# Relative Accuracy and Compliance Test Report

## Duke Energy Florida, LLC
## Bartow Plant

## Unit 4B (EU-039), Unit 4C (EU-040), and Unit 4D (EU-041)
## HRSG and Bypass Stacks
St. Petersburg, Florida

C.E.M. Solutions, Inc. Project No. 16167-1

Testing Completed: February 9 - 11, 2021

C.E.M. Solutions, Inc. Report Number: 16167-1-CR

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ACCREDITED
TO ASTM D7036 ONLY
CERT #3820.01

# Declaration of Conformance to ASTM D 7036-04: Standard Practice for Competence of Air Emission Testing Bodies

C.E.M. Solutions, Inc. operates in conformance with the requirements of ASTM D 7036-04: Standard Practice for Competence of Air Emission Testing Bodies using a quality system which incorporates a quality manual, internal audit system, systematic training of personnel and rigorous review of test methods and operating procedures. C.E.M. Solutions, Inc. collects performance data related to the quality system and this data is available upon request.

Joe Conti

Joe Conti
Quality Assurance Manager,
C.E.M. Solutions, Inc.

## Statement of Validity

I hereby certify the information provided in this test report is complete and accurate to the best of my knowledge and conforms to the requirements of ASTM D7036-04.

Joe Conti

Joe Conti
Quality Assurance Manager
C.E.M. Solutions, Inc.

I have reviewed this document in its entirety and certify that the details and information contained herein are accurate to the best of my knowledge and conform to the requirements of ASTM D7036-04.

James M. Conn

James M. Conn
Test Team Leader
C.E.M. Solutions, Inc.

# Project Background

| | |
|---|---|
| Name of Source Owner: | Duke Energy Florida, LLC |
| Address of Owner: | 299 First Avenue North<br>St. Petersburg, Florida 33701 |
| Source Identification: | Facility ID: 1030011<br>Emission Units: 4B (EU-039), 4C (EU-040), and 4D (EU-041) |
| Location of Source: | Pinellas County, Florida |
| Type of Operation: | SIC Code: 4911 |
| Tests Performed: | Method 1 – Traverse Points<br>Method 3A – Determination of Oxygen and Carbon Dioxide<br>Method 7E – Determination of Nitrogen Oxides<br>Method 10 – Determination of Carbon Monoxide<br>Method 19 – Determination of Nitrogen Oxide Emissions Rates |
| Test Supervisor (QI): | James M. Conn |
| Non-working Supervisor: | Jay Baker |
| Test Technician(s): | Stephen Knight |
| Date(s) Tests Conducted: | February 9, 2021: 4D HRSG & 4C Bypass<br>February 10, 2021: 4C HRSG & 4D Bypass<br>February 11, 2021: 4B HRSG & 4B Bypass |
| Site Test Coordinator: | Charles Dufeny |
| State Regulatory Observers: | William Froberg of PCAQD |

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# 1.0 Introduction

Duke Energy Florida, LLC (DEF) retained C.E.M. Solutions, Inc. to perform compliance source emissions testing and a Relative Accuracy Test Audit (RATA) on Units 4B through 4D (EU -039 through -041) located at the Bartow Plant in St. Petersburg, Florida.

A RATA was conducted on the nitrogen oxides ($NO_X$), carbon monoxide (CO), and oxygen ($O_2$) Heat Recovery Steam Generator (HRSG) Continuous Emissions Monitoring System (CEMS) analyzers and the $NO_X$, CO, and $O_2$ Bypass CEMS analyzers to evaluate the accuracy of the CEMS in accordance with the United States Environmental Protection Agency (USEPA) requirements in the Code of Federal Regulations, Title 40, Part 60 (40CFR60) and 75 and TV Permit number 1030011-027-AV. The test program and methods are presented and discussed in this report.

All testing was conducted in accordance with test methods promulgated or approved by the USEPA.

## 1.1 Test Notes

C.E.M. Solutions, Inc. protocol 16167-1-CR was used for this test program.

**Table 1: Summary of RATA and Compliance Tests**
**Duke Energy Florida**
**Bartow Plant**
**Unit 4B**

| Pollutant | Unit | Emission Limit, Performance Specification | Measured Value | Pass/Fail |
|---|---|---|---|---|
| $NO_X$ | 4B HRSG | RA ≤ 7.5% or ±0.015 lb/MMBtu[a] | 6.26 % RA, (BAF = 1.051) | PASS |
| CO ppm @ 15% $O_2$ | 4B HRSG | 4.1 ppm @ 15% $O_2$ 20.8 lb/hr | 0.4 ppm @ 15% $O_2$ 1.9 lb/hr | PASS |
| CO | 4B HRSG | RA ≤ 5.0% or ± 5.0 ppmv[b] | 0.41 ppm | PASS |
| $O_2$ | 4B HRSG | RA ≤ 7.5% | 0.8 % RA | PASS |
| $NO_X$ | 4B Bypass | RA ≤ 7.5% or ±0.015 lb/MMBtu[a] | 0.002 lb/MMBtu, (BAF = 1.075) | PASS |
| CO ppm @ 15% $O_2$ | 4B Bypass | 4.1 ppm @ 15% $O_2$ 20.8 lb/hr | 0.1 ppm @ 15% $O_2$ 0.0 lb/hr | PASS |
| CO | 4B Bypass | RA ≤ 5.0% or ± 5.0 ppmv[b] | 1.8 % RA | PASS |
| $O_2$ | 4B Bypass | RA ≤ 7.5% | 0.6 % RA | PASS |

[a] **40CFR75, Appendix A, section 3.3.2**
[b] **PS 4A of 40CFR60**

**Table 1 Continued: Summary of RATA and Compliance Tests**
**Duke Energy Florida**
**Bartow Plant**
**Units 4C & 4D**

| Pollutant | Unit | Emission Limit, Performance Specification | Measured Value | Pass/Fail |
|---|---|---|---|---|
| $NO_X$ | 4C HRSG | RA ≤ 7.5% or ±0.015 lb/MMBtu[a] | 4.71 % RA, (BAF = 1.000) | PASS |
| CO ppm @ 15% $O_2$ | 4C HRSG | 4.1 ppm @ 15% $O_2$ 20.8 lb/hr | 0.4 ppm @ 15% $O_2$ 1.9 lb/hr | PASS |
| CO | 4C HRSG | RA ≤ 5.0% or ± 5.0 ppmv[b] | 0.37 ppm | PASS |
| $O_2$ | 4C HRSG | RA ≤ 7.5% | 2.8 % RA | PASS |
| $NO_X$ | 4C Bypass | RA ≤ 7.5% or ±0.015 lb/MMBtu[a] | 0.002 lb/MMBtu, (BAF = 1.081) | PASS |
| CO ppm @ 15% $O_2$ | 4C Bypass | 4.1 ppm @ 15% $O_2$ 20.8 lb/hr | 0.1 ppm @ 15% $O_2$ 0.0 lb/hr | PASS |
| CO | 4C Bypass | RA ≤ 5.0% or ± 5.0 ppmv[b] | 0.79 ppm | PASS |
| $O_2$ | 4C Bypass | RA ≤ 7.5% | 0.3 % RA | PASS |
| | | | | |
| $NO_X$ | 4D HRSG | RA ≤ 7.5% or ±0.015 lb/MMBtu[a] | 7.12 % RA, (BAF = 1.060) | PASS |
| CO ppm @ 15% $O_2$ | 4D HRSG | 4.1 ppm @ 15% $O_2$ 20.8 lb/hr | 0.9 ppm @ 15% $O_2$ 3.3 lb/hr | PASS |
| CO | 4D HRSG | RA ≤ 5.0% or ± 5.0 ppmv[b] | 1.74 ppm | PASS |
| $O_2$ | 4D HRSG | RA ≤ 7.5% | 0.4 % RA | PASS |
| $NO_X$ | 4D Bypass | RA ≤ 7.5% or ±0.015 lb/MMBtu[a] | 0.003 lb/MMBtu, (BAF = 1.111) | PASS |
| CO ppm @ 15% $O_2$ | 4D Bypass | 4.1 ppm @ 15% $O_2$ 20.8 lb/hr | 0.1 ppm @ 15% $O_2$ 0.0 lb/hr | PASS |
| CO | 4D Bypass | RA ≤ 5.0% or ± 5.0 ppmv[b] | 1.16 ppm | PASS |
| $O_2$ | 4D Bypass | RA ≤ 7.5% | 0.4 % RA | PASS |

[a] **40CFR75, Appendix A, section 3.3.2**
[b] **PS 4A of 40CFR60**

# 2.0 Facility Description

Bartow Plant Units 4B through 4D are Siemens SGT6-501F gas turbine electrical generators, each with a generating capacity of 215 MW. Exhaust from the gas turbine passes through a supplementary gas-fired HRSG. These units can operate in simple-cycle mode by directing the exhaust to the 120-foot bypass stack instead of the HRSG.

## 2.1 Process Equipment

Units 4B through 4D have nominal heat input ratings of 1,972 Million British Thermal Units per hour (MMBtu/hr) when firing natural gas based on a 4-hour rolling average, compressor inlet air temperature of 59ºF, the HHV, and 100% load. In combined-cycle, $NO_X$ emissions are controlled continuously employing Ultra-Low $NO_X$ (ULN) burners and Selective Catalyst Reduction (SCR). Operation of the SCR is not required when the $NO_X$ emission limits can be met without their use. When operating in simple-cycle, $NO_X$ emissions are controlled by ULN.

## 2.2 Regulatory Requirements

DEF is required to conduct annual emissions tests for the following pollutants while operating at 90-100 percent of the heat input curve.

In accordance with permit condition B.26, CEMS are used to determine compliance for CO and $NO_X$ on both the HRSG and Bypass stacks. A 40CFR75 $NO_X$ RATA was conducted during the compliance testing on the HRSG exhaust stack and the bypass stack to validate CEMS data collected for the Acid Rain Program (ARP). 40CFR60 CO RATAs were conducted simultaneously with the $NO_X$ RATAs.

Table 2 summarizes the applicable emissions and CEMS accuracy limits for Units 4B through 4D.

**Table 2: Summary of Emissions and CEMS Accuracy Limits**
**Duke Energy Florida**
**Bartow Plant**
**Units 4B through 4D**

| Pollutant | Emission Limit, Performance Specification | Permit Condition |
|---|---|---|
| $NO_X$ | Annual: RA ≤ 7.5% or ± 0.015 lb/MMBtu,<br>Semiannual: RA ≤ 10.0% of average RM value or ± 0.020 lb/MMBtu[a] | B.26.b |
| CO | Primary: RA ≤ 10% of average RM value,<br>Secondary: RA ≤ 5% of applicable standard,<br>Tertiary: absolute difference of 5 ppmv plus confidence coefficient[b] | B.26.a |
| CO<br>ppm @ 15% $O_2$ | 7.6 ppm @15% $O_2$ and 38.3 lb/hr (CT + Duct Burners)<br>4.1 ppm @ 15% $O_2$ and 20.8 lb/hr (CT only) | B.16 |
| $O_2$ | Annual: RA ≤ 7.5% or ± 0.7% $O_2$<br>Semiannual: RA ≤ 10.0% or ± 1.0% $O_2$ | B.26.c |

[a] **40CFR75, Appendix A, section 3.3.2**
[b] **PS 4A of 40CFR60**

# 3.0 Test Program/Operating Conditions

Turbine operating data was collected and provided by facility personnel during the entire test program. Data provided include, but was not limited to:

- Unit Generation (MW)
- Compressor inlet air temperature
- Fuel flow rate
- Heat Input rate

Table 3 presents the percentage of the maximum heat input, for each unit, during each test.

**Table 3: Heat Input During Test Program**
**Duke Energy Florida**
**Bartow Plant**
**Units 4B through 4D**

| Unit | Average Inlet Temperature (°F) | Calculated Heat Input (MMBtu/hr) | Permitted Heat Input At Inlet Temp. (MMBtu/hr) | Percent Nominal Max H.I. |
|---|---|---|---|---|
| Unit 4B HRSG | 71.5 | 1,866 | 1,905 | 98 % |
| Unit 4C HRSG | 68.6 | 1,910 | 1,921 | 100 % |
| Unit 4D HRSG | 73.1 | 1,758 | 1,896 | 93 % |
| Unit 4B Bypass | 77.4 | 1,833 | 1,872 | 98 % |
| Unit 4C Bypass | 70.3 | 1,914 | 1,911 | 100 % |
| Unit 4D Bypass | 72.0 | 1,868 | 1,902 | 98 % |

Unit operating data can be viewed in Appendix A.

# 4.0 Test Methods

All testing was performed in accordance with methods approved by the USEPA and FDEP. The following discusses the methods, as well as quality assurance and sample handling procedures.

## 4.1 Sampling Location/Traverse Points/Test Run Duration

The exhaust stack inner diameter for the HRSG and Bypass stacks of Units 4B through 4D are 22 feet (264”). Diagrams of the sample locations can be viewed in Appendix D.

Three (3) reference method (RM) measurement points were used for the duration of the RATA test program in accordance with 40CFR60, Appendix B, Performance Specification 2, Section 8.1.3.2 on the HRSG and Bypass stacks. The points were located at 0.4, 1.2, and 2.0 meters from the inner stack wall. The sample probe was located at each sample point for seven (7) minutes for a total RATA run duration of 21 minutes. A CO compliance run is compiled from three (3) RATA runs for a total of 63 minutes.

## 4.2 Instrument Analyzer Procedures

$NO_X$, CO, and $O_2$ RM data were determined using instrument analyzer procedures. The $O_2$ data was used to calculate $NO_x$ lbs/MMBtu, and $NO_X$ and CO in parts per million corrected to fifteen percent $O_2$ (ppm @ 15% $O_2$) for the RATA conducted on the Combustion Turbine CEMS. Mathematical equations used to determine calculated emissions standards are located in Appendix B.

Gas samples were continuously extracted from the stack by a discrete sampling bundle probe consisting of three (3) distinct sample tubes of different lengths. The different tube lengths were sampled independently of one another, one at a time, through the use of a 4-way valve housed in a heated filter box assembly, remotely controlled from the test trailer. The sample then passed through a gas sample conditioner that lowered the dew point of the sample gas to approximately 5 ºC through minimum interference heat exchangers. The dry, cool sample was then sent to the gas analyzers, located in the environmentally-controlled test trailer for analysis by the RM analyzers.

Instrument outputs were recorded continuously with a Windows-compatible personal computer, compiled into 15-second averages, and stored in a database for future reference. All RM analyzers used meet or exceed applicable performance specifications detailed in the appropriate method.

Instrument ranges and calibration gases were chosen in accordance with each pollutant's applicable EPA method. Calibration gas Certificates of Analysis can be found in Appendix C.

### 4.2.1 Quality Assurance/Quality Control Procedures

All sampling, analytical, and Quality Assurance/Quality Control (QA/QC) procedures outlined in the USEPA methods were followed. All test equipment was calibrated before or during use in the field. Interference checks, response time checks, and $NO_2$ to NO converter checks were performed on each instrumental analyzer, as applicable, before field use. In the field, each analyzer and the entire instrument measurement system was checked for system bias before and following each test run using the calibration gases listed in Appendix C.

Appendix E contains the QA/QC checks.

# 5.0 Test Results

The test program $NO_X$ and CO RATA and CO compliance results are summarized in Tables 4 through 27. Supporting RM field data, fuel analysis reports, and calculated values are presented in Appendix F.

## 5.1 Unit 4B (EU -039)

**Table 4: Unit 4B HRSG Part 75 $NO_X$ RATA Summary**
**Duke Energy Florida**
**Bartow Plant**

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | $NO_X$ RM lb/MMBtu | CEM lb/MMBtu | Difference Like lb/MMBtu |
|---|---|---|---|---|---|---|---|
| Run 1 | 11-Feb | 7:50:00 | 8:11:00 | 281 | 0.028 | 0.027 | 0.001 |
| Run 2 | 11-Feb | 8:26:00 | 8:47:00 | 281 | 0.028 | 0.026 | 0.002 |
| Run 3 | 11-Feb | 8:57:00 | 9:18:00 | 279 | 0.027 | 0.026 | 0.001 |
| Run 4 | 11-Feb | 9:28:00 | 9:49:00 | 279 | 0.028 | 0.026 | 0.002 |
| Run 5 | 11-Feb | 10:00:00 | 10:21:00 | 276 | 0.027 | 0.026 | 0.001 |
| Run 6 | 11-Feb | 10:30:00 | 10:51:00 | 273 | 0.027 | 0.026 | 0.001 |
| Run 7 | 11-Feb | 11:00:00 | 11:21:00 | 270 | 0.028 | 0.026 | 0.002 |
| Run 8 | 11-Feb | 11:30:00 | 11:51:00 | 265 | 0.027 | 0.026 | 0.001 |
| Run 9 | 11-Feb | 12:09:00 | 12:30:00 | 257 | 0.027 | 0.026 | 0.001 |
| | | Average: | | 273 | 0.027 | 0.026 | 0.001 lb/MMBtu |

| | | | |
|---|---|---|---|
| **Bias Test (pass/fail):** | **Failed** | Standard Deviation: | 0.0005 |
| **Bias Adjustment Factor:** | **1.051** | Confidence Coefficient: | 0.0004 |
| **Method of RA Determination:** | **Part 75, Standard Emitter** | T-Factor: | 2.306 |
| | **Passed Annual Criteria** | Number of runs Reported: | 9 |

| | | |
|---|---|---|
| Note: | **Relative Accuracy:** | **6.26** |
| All ppm values are corrected to lb/MMBtu NOX | Maximum RA | 7.5 |
| using RM O2 and CEM O2 as diluents | **RA Status** | **Passed** |

# Table 5: Unit 4B HRSG CO ppm @ 15% $O_2$ Compliance Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Units | Run 1 | Run 2 | Run 3 | Run 4 | Run 5 | Run 6 | Run 7 | Run 8 | Run 9 | Average | Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Run | 2021 | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | | |
| Start Time | | 7:50:00 | 8:26:00 | 8:57:00 | 9:28:00 | 10:00:00 | 10:30:00 | 11:00:00 | 11:30:00 | 12:09:00 | | |
| Stop Time | | 8:11:00 | 8:47:00 | 9:18:00 | 9:49:00 | 10:21:00 | 10:51:00 | 11:21:00 | 11:51:00 | 12:30:00 | | |
| Unit Load | MW | 281 | 281 | 279 | 279 | 276 | 273 | 270 | 265 | 257 | 273 | |
| Heat Input | MMBtu/hr | 1892.2 | 1889.1 | 1883.1 | 1877.3 | 1870.2 | 1859.1 | 1851.9 | 1841.4 | 1832.1 | 1866.3 | |
| $NO_X$ / $O_2$ | lb/MMBtu | 0.028 | 0.028 | 0.027 | 0.028 | 0.027 | 0.027 | 0.028 | 0.027 | 0.027 | 0.027 | |
| $NO_X$ / $O_2$ | ppm@15% O2 | 7.6 | 7.5 | 7.4 | 7.5 | 7.4 | 7.4 | 7.5 | 7.3 | 7.3 | 7.4 | |
| $NO_X$ / $O_2$ | lb/hr | 53.0 | 52.9 | 50.8 | 52.6 | 50.5 | 50.2 | 51.9 | 49.7 | 49.5 | 51.2 | |
| CO / $O_2$ | lb/MMBtu | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | |
| CO / $O_2$ | ppm@15% O2 | 0.6 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | |
| CO / $O_2$ | lb/hr | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 | 1.9 | |
| Compliance Runs | | | Run 1 | | | Run 2 | | | Run 3 | | | |
| Heat Input | MMBtu/hr | | 1888.1 | | | 1868.9 | | | 1841.8 | | 1866.3 | |
| CO / $O_2$ | ppm@15% O2 | | 0.5 | | | 0.3 | | | 0.3 | | 0.4 | 4.1 |
| CO / $O_2$ | lb/hr | | 1.9 | | | 1.9 | | | 1.8 | | 1.9 | 20.8 |

# Table 6: Unit 4B HRSG CO RATA Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | CO RM DRY ppm | CO CEM DRY ppm | Difference Like ppm |
|---|---|---|---|---|---|---|---|
| Run 1 | 11-Feb | 7:50:00 | 8:11:00 | 281 | 0.7 | 1.1 | -0.4 |
| Run 2 | 11-Feb | 8:26:00 | 8:47:00 | 281 | 0.5 | 0.8 | -0.3 |
| Run 3 | 11-Feb | 8:57:00 | 9:18:00 | 279 | 0.5 | 0.8 | -0.3 |
| Run 4 | 11-Feb | 9:28:00 | 9:49:00 | 279 | 0.4 | 0.8 | -0.4 |
| Run 5 | 11-Feb | 10:00:00 | 10:21:00 | 276 | 0.4 | 0.8 | -0.4 |
| Run 6 | 11-Feb | 10:30:00 | 10:51:00 | 273 | 0.4 | 0.8 | -0.4 |
| Run 7 | 11-Feb | 11:00:00 | 11:21:00 | 270 | 0.4 | 0.8 | -0.4 |
| Run 8 | 11-Feb | 11:30:00 | 11:51:00 | 265 | 0.4 | 0.8 | -0.4 |
| Run 9 | 11-Feb | 12:09:00 | 12:30:00 | 257 | 0.4 | 0.7 | -0.3 |
| | | Average: | | 273 | 0.5 ppm | 0.8 ppm | -0.4 ppm |

**Method of RA Determination: PS 4A 5 ppm Rule**

| | |
|---|---|
| Standard Deviation: | 0.0500 |
| Confidence Coefficient: | 0.0384 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.41** |
| Maximum RA | 5 ppm |
| **RA Status** | **Passed** |

# Table 7: Unit 4B HRSG $O_2$ RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | O2 RM DRY % V/V | $O_2$ CEM DRY % V/V | $O_2$ Difference Like % V/V |
|---|---|---|---|---|---|---|---|
| Run 1 | 11-Feb | 7:50:00 | 8:11:00 | 281 | 13.8 | 13.9 | -0.1 |
| Run 2 | 11-Feb | 8:26:00 | 8:47:00 | 281 | 13.9 | 13.9 | 0.0 |
| Run 3 | 11-Feb | 8:57:00 | 9:18:00 | 279 | 13.8 | 13.9 | -0.1 |
| Run 4 | 11-Feb | 9:28:00 | 9:49:00 | 279 | 13.8 | 13.9 | -0.1 |
| Run 5 | 11-Feb | 10:00:00 | 10:21:00 | 276 | 13.8 | 13.9 | -0.1 |
| Run 6 | 11-Feb | 10:30:00 | 10:51:00 | 273 | 13.8 | 13.9 | -0.1 |
| Run 7 | 11-Feb | 11:00:00 | 11:21:00 | 270 | 13.8 | 13.9 | -0.1 |
| Run 8 | 11-Feb | 11:30:00 | 11:51:00 | 265 | 13.9 | 13.9 | 0.0 |
| Run 9 | 11-Feb | 12:09:00 | 12:30:00 | 257 | 13.9 | 13.9 | 0.0 |
| | | Average: | | 274 | 13.8 % | 13.9 % | -0.1 % |

| | |
|---|---|
| Standard Deviation: | 0.0500 |
| Confidence Coefficient: | 0.0384 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.8** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

**Method of RA Determination: Part 75, Average RM Value**
**Passed Annual Criteria**

# Table 8: Unit 4B Bypass Part 75 $NO_X$ RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | $NO_X$ RM lb/MMBtu | CEM lb/MMBtu | Difference Like lb/MMBtu |
|---|---|---|---|---|---|---|---|
| Run 1 | 11-Feb | 14:55:00 | 15:16:00 | 170 | 0.033 | 0.030 | 0.003 |
| Run 2 | 11-Feb | 15:27:00 | 15:48:00 | 170 | 0.031 | 0.029 | 0.002 |
| Run 3 | 11-Feb | 15:58:00 | 16:19:00 | 170 | 0.030 | 0.028 | 0.002 |
| Run 4 | 11-Feb | 16:29:00 | 16:50:00 | 170 | 0.030 | 0.028 | 0.002 |
| Run 5 | 11-Feb | 16:59:00 | 17:20:00 | 171 | 0.030 | 0.028 | 0.002 |
| Run 6 | 11-Feb | 17:28:00 | 17:49:00 | 171 | 0.030 | 0.028 | 0.002 |
| Run 7 | 11-Feb | 17:57:00 | 18:18:00 | 172 | 0.030 | 0.028 | 0.002 |
| Run 8 | 11-Feb | 18:26:00 | 18:47:00 | 173 | 0.030 | 0.028 | 0.002 |
| Run 9 | 11-Feb | 18:55:00 | 19:16:00 | 174 | 0.030 | 0.028 | 0.002 |
| | | Average: | | 171 | 0.030 | 0.028 | 0.002 lb/MMBtu |

**Bias Test (pass/fail): Failed**
**Bias Adjustment Factor: 1.075**
**Method of RA Determination: Part 75, Standard Emitter**
**Passed Alternate Annual Criteria**

| | |
|---|---|
| Standard Deviation: | 0.0003 |
| Confidence Coefficient: | 0.0003 |
| T-Factor: | 2.306 |
| Runs Reported: | 9 |
| **Relative Accuracy:** | **0.002** |
| Maximum RA | 0.015 |
| **RA Status** | **Passed** |

Note:
All ppm values are corrected to lb/MMBtu NOX
using RM O2 and CEM O2 as diluents

# Table 9: Unit 4B Bypass CO ppm @ 15% $O_2$ Compliance Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Units | Run 1 | Run 2 | Run 3 | Run 4 | Run 5 | Run 6 | Run 7 | Run 8 | Run 9 | Average | Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Run | 2021 | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | 11-Feb | | |
| Start Time | | 14:55:00 | 15:27:00 | 15:58:00 | 16:29:00 | 16:59:00 | 17:28:00 | 17:57:00 | 18:26:00 | 18:55:00 | | |
| Stop Time | | 15:16:00 | 15:48:00 | 16:19:00 | 16:50:00 | 17:20:00 | 17:49:00 | 18:18:00 | 18:47:00 | 19:16:00 | | |
| Unit Load | MW | 170 | 170 | 170 | 170 | 171 | 171 | 172 | 173 | 174 | 171 | |
| Heat Input | MMBtu/hr | 1823.4 | 1823.6 | 1827.1 | 1821.9 | 1831.3 | 1835.4 | 1839.4 | 1845.0 | 1850.8 | 1833.1 | |
| $NO_X$ / $O_2$ | lb/MMBtu | 0.033 | 0.031 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | |
| $NO_X$ / $O_2$ | ppm@15% O2 | 8.9 | 8.3 | 8.1 | 8.2 | 8.3 | 8.1 | 8.3 | 8.1 | 8.1 | 8.3 | |
| $NO_X$ / $O_2$ | lb/hr | 60.2 | 56.5 | 54.8 | 54.7 | 54.9 | 55.1 | 55.2 | 55.4 | 55.5 | 55.8 | |
| CO / $O_2$ | lb/MMBtu | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| CO / $O_2$ | ppm@15% O2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | |
| CO / $O_2$ | lb/hr | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Compliance Runs | | | Run 1 | | | Run 2 | | | Run 3 | | | |
| Heat Input | MMBtu/hr | | 1824.7 | | | 1829.5 | | | 1845.1 | | 1833.1 | |
| CO / $O_2$ | ppm@15% O2 | | 0.1 | | | 0.1 | | | 0.2 | | 0.1 | 4.1 |
| CO / $O_2$ | lb/hr | | 0.0 | | | 0.0 | | | 0.0 | | 0.0 | 20.8 |

# Table 10: Unit 4B Bypass CO RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | CO RM (Dry) ppm@15% O2 | CO CEM (Dry) ppm@15% O2 | Difference ppm@15% O2 |
|---|---|---|---|---|---|---|---|
| Run 1 | 11-Feb | 14:55:00 | 15:16:00 | 170 | 0.2 | 0.1 | 0.1 |
| Run 2 | 11-Feb | 15:27:00 | 15:48:00 | 170 | 0.1 | 0.1 | 0.0 |
| Run 3 | 11-Feb | 15:58:00 | 16:19:00 | 170 | 0.1 | 0.1 | 0.0 |
| Run 4 | 11-Feb | 16:29:00 | 16:50:00 | 170 | 0.1 | 0.1 | 0.0 |
| Run 5 | 11-Feb | 16:59:00 | 17:20:00 | 171 | 0.1 | 0.1 | 0.0 |
| Run 6 | 11-Feb | 17:28:00 | 17:49:00 | 171 | 0.1 | 0.1 | 0.0 |
| Run 7 | 11-Feb | 17:57:00 | 18:18:00 | 172 | 0.2 | 0.1 | 0.1 |
| Run 8 | 11-Feb | 18:26:00 | 18:47:00 | 173 | 0.2 | 0.1 | 0.1 |
| Run 9 | 11-Feb | 18:55:00 | 19:16:00 | 174 | 0.1 | 0.1 | 0.0 |
| | | Average: | | 171 | 0.1 | 0.1 | 0.0 ppm |

| | |
|---|---|
| Standard Deviation: | 0.0500 |
| Confidence Coefficient: | 0.0384 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| Applicable Standard: | 4.1 ppm |
| **Relative Accuracy:** | **1.8 %** |
| Maximum RA | 5.0 % |
| **RA Status** | **Passed** |

**Method of RA Determination: Applicable Standard**

Note:
All ppm values are corrected to 15 % O2
using RM O2 and CEM O2 as diluents

# Table 11: Unit 4B Bypass $O_2$ RATA Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | O2 RM DRY % V/V | $O_2$ CEM DRY % V/V | $O_2$ Difference Like % V/V |
|---|---|---|---|---|---|---|---|
| Run 1 | 11-Feb | 14:55:00 | 15:16:00 | 170 | 13.9 | 13.9 | 0.0 |
| Run 2 | 11-Feb | 15:27:00 | 15:48:00 | 170 | 13.9 | 13.9 | 0.0 |
| Run 3 | 11-Feb | 15:58:00 | 16:19:00 | 170 | 13.8 | 13.9 | -0.1 |
| Run 4 | 11-Feb | 16:29:00 | 16:50:00 | 170 | 13.9 | 13.9 | 0.0 |
| Run 5 | 11-Feb | 16:59:00 | 17:20:00 | 171 | 13.9 | 13.9 | 0.0 |
| Run 6 | 11-Feb | 17:28:00 | 17:49:00 | 171 | 13.8 | 13.9 | -0.1 |
| Run 7 | 11-Feb | 17:57:00 | 18:18:00 | 172 | 13.9 | 13.9 | 0.0 |
| Run 8 | 11-Feb | 18:26:00 | 18:47:00 | 173 | 13.8 | 13.9 | -0.1 |
| Run 9 | 11-Feb | 18:55:00 | 19:16:00 | 174 | 13.8 | 13.9 | -0.1 |
| | | Average: | | 171 | 13.9 % | 13.9 % | 0.0 % |

| | |
|---|---|
| Standard Deviation: | 0.0527 |
| Confidence Coefficient: | 0.0405 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.6** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

**Method of RA Determination: Part 75, Average RM Value**
**Passed Annual Criteria**

## 5.2 Unit 4C (EU -040)

### Table 12: Unit 4C HRSG Part 75 $NO_X$ RATA Summary
### Duke Energy Florida
### Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | $NO_X$ RM lb/MMBtu | CEM lb/MMBtu | Difference Like lb/MMBtu |
|---|---|---|---|---|---|---|---|
| Run 1 | 10-Feb | 8:25:00 | 8:46:00 | 271 | 0.029 | 0.030 | -0.001 |
| Run 2 | 10-Feb | 9:03:00 | 9:24:00 | 270 | 0.029 | 0.030 | -0.001 |
| Run 3 | 10-Feb | 9:36:00 | 9:57:00 | 269 | 0.029 | 0.030 | -0.001 |
| Run 4 | 10-Feb | 10:09:00 | 10:30:00 | 270 | 0.029 | 0.030 | -0.001 |
| Run 5 | 10-Feb | 10:41:00 | 11:02:00 | 270 | 0.029 | 0.031 | -0.002 |
| Run 6 | 10-Feb | 11:13:00 | 11:34:00 | 268 | 0.029 | 0.030 | -0.001 |
| Run 7 | 10-Feb | 11:45:00 | 12:06:00 | 266 | 0.029 | 0.030 | -0.001 |
| Run 8 | 10-Feb | 12:17:00 | 12:38:00 | 263 | 0.029 | 0.030 | -0.001 |
| Run 9 | 10-Feb | 12:49:00 | 13:10:00 | 259 | 0.029 | 0.030 | -0.001 |
| | | Average: | | 267 | 0.029 | 0.030 | -0.001 lb/MMBtu |

| | | | |
|---|---|---|---|
| **Bias Test (pass/fail):** | **Passed** | Standard Deviation: | 0.0003 |
| **Bias Adjustment Factor:** | **1.000** | Confidence Coefficient: | 0.0003 |
| **Method of RA Determination:** | **Part 75, Standard Emitter** | T-Factor: | 2.306 |
| | **Passed Annual Criteria** | Number of runs Reported: | 9 |

Note:
All ppm values are corrected to lb/MMBtu NOX
using RM O2 and CEM O2 as diluents

| | |
|---|---|
| **Relative Accuracy:** | **4.71** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

# Table 13: Unit 4C HRSG CO ppm @ 15% $O_2$ Compliance Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Units | Run 1 | Run 2 | Run 3 | Run 4 | Run 5 | Run 6 | Run 7 | Run 8 | Run 9 | Average | Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Run | 2021 | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | | |
| Start Time | | 8:25:00 | 9:03:00 | 9:36:00 | 10:09:00 | 10:41:00 | 11:13:00 | 11:45:00 | 12:17:00 | 12:49:00 | | |
| Stop Time | | 8:46:00 | 9:24:00 | 9:57:00 | 10:30:00 | 11:02:00 | 11:34:00 | 12:06:00 | 12:38:00 | 13:10:00 | | |
| Unit Load | MW | 271 | 270 | 269 | 270 | 270 | 268 | 266 | 263 | 259 | 267 | |
| Heat Input | MMBtu/hr | 1929.9 | 1924.6 | 1923.6 | 1928.3 | 1929.4 | 1914.8 | 1902.2 | 1880.4 | 1860.4 | 1910.4 | |
| $NO_X$ / $O_2$ | lb/MMBtu | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | 0.029 | |
| $NO_X$ / $O_2$ | ppm@15% O2 | 8.0 | 8.0 | 7.9 | 7.9 | 8.0 | 8.0 | 7.8 | 7.8 | 7.8 | 7.9 | |
| $NO_X$ / $O_2$ | lb/hr | 56.0 | 55.8 | 55.8 | 55.9 | 56.0 | 55.5 | 55.2 | 54.5 | 54.0 | 55.4 | |
| CO / $O_2$ | lb/MMBtu | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | |
| CO / $O_2$ | ppm@15% O2 | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | |
| CO / $O_2$ | lb/hr | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | |
| Compliance Runs | | | Run 1 | | | Run 2 | | | Run 3 | | | |
| Heat Input | MMBtu/hr | | 1926.0 | | | 1924.2 | | | 1881.0 | | 1910.4 | |
| CO / $O_2$ | ppm@15% O2 | | 0.5 | | | 0.4 | | | 0.3 | | 0.4 | 4.1 |
| CO / $O_2$ | lb/hr | | 1.9 | | | 1.9 | | | 1.9 | | 1.9 | 20.8 |

# Table 14: Unit 4C HRSG CO RATA Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | CO RM DRY ppm | CO CEM DRY ppm | Difference Like ppm |
|---|---|---|---|---|---|---|---|
| Run 1 | 10-Feb | 8:25:00 | 8:46:00 | 271 | 0.7 | 0.8 | -0.1 |
| Run 2 | 10-Feb | 9:03:00 | 9:24:00 | 270 | 0.5 | 0.8 | -0.3 |
| Run 3 | 10-Feb | 9:36:00 | 9:57:00 | 269 | 0.5 | 0.8 | -0.3 |
| Run 4 | 10-Feb | 10:09:00 | 10:30:00 | 270 | 0.5 | 0.8 | -0.3 |
| Run 5 | 10-Feb | 10:41:00 | 11:02:00 | 270 | 0.5 | 0.8 | -0.3 |
| Run 6 | 10-Feb | 11:13:00 | 11:34:00 | 268 | 0.4 | 0.8 | -0.4 |
| Run 7 | 10-Feb | 11:45:00 | 12:06:00 | 266 | 0.4 | 0.7 | -0.3 |
| Run 8 | 10-Feb | 12:17:00 | 12:38:00 | 263 | 0.3 | 0.7 | -0.4 |
| Run 9 | 10-Feb | 12:49:00 | 13:10:00 | 259 | 0.3 | 0.6 | -0.3 |
| | | Average: | | 267 | 0.5 ppm | 0.8 ppm | -0.3 ppm |

**Method of RA Determination: PS 4A 5 ppm Rule**

| | |
|---|---|
| Standard Deviation: | 0.0866 |
| Confidence Coefficient: | 0.0666 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.37** |
| Maximum RA | 5 ppm |
| **RA Status** | **Passed** |

# Table 15: Unit 4C HRSG $O_2$ RATA Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | O2 RM DRY % V/V | $O_2$ CEM DRY % V/V | $O_2$ Difference Like % V/V |
|---|---|---|---|---|---|---|---|
| Run 1 | 10-Feb | 8:25:00 | 8:46:00 | 271 | 13.9 | 14.2 | -0.3 |
| Run 2 | 10-Feb | 9:03:00 | 9:24:00 | 270 | 13.9 | 14.2 | -0.3 |
| Run 3 | 10-Feb | 9:36:00 | 9:57:00 | 269 | 13.9 | 14.2 | -0.3 |
| Run 4 | 10-Feb | 10:09:00 | 10:30:00 | 270 | 13.8 | 14.2 | -0.4 |
| Run 5 | 10-Feb | 10:41:00 | 11:02:00 | 270 | 13.8 | 14.2 | -0.4 |
| Run 6 | 10-Feb | 11:13:00 | 11:34:00 | 268 | 13.8 | 14.2 | -0.4 |
| Run 7 | 10-Feb | 11:45:00 | 12:06:00 | 266 | 13.8 | 14.2 | -0.4 |
| Run 8 | 10-Feb | 12:17:00 | 12:38:00 | 263 | 13.9 | 14.2 | -0.3 |
| Run 9 | 10-Feb | 12:49:00 | 13:10:00 | 259 | 13.9 | 14.2 | -0.3 |
| | | Average: | | 268 | 13.9 % | 14.2 % | -0.3 % |

| | |
|---|---|
| Standard Deviation: | 0.0527 |
| Confidence Coefficient: | 0.0405 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **2.8** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

**Method of RA Determination: Part 75, Average RM Value**
**Passed Annual Criteria**

# Table 16: Unit 4C Bypass Part 75 $NO_X$ RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | $NO_X$ RM lb/MMBtu | CEM lb/MMBtu | Difference Like lb/MMBtu |
|---|---|---|---|---|---|---|---|
| Run 1 | 9-Feb | 8:35:00 | 8:56:00 | 185 | 0.030 | 0.028 | 0.002 |
| Run 2 | 9-Feb | 9:25:00 | 9:46:00 | 184 | 0.029 | 0.027 | 0.002 |
| Run 3 | 9-Feb | 10:01:00 | 10:22:00 | 184 | 0.029 | 0.026 | 0.003 |
| Run 4 | 9-Feb | 10:34:00 | 10:55:00 | 184 | 0.028 | 0.026 | 0.002 |
| Run 5 | 9-Feb | 11:08:00 | 11:29:00 | 183 | 0.028 | 0.026 | 0.002 |
| Run 6 | 9-Feb | 11:42:00 | 12:03:00 | 181 | 0.028 | 0.026 | 0.002 |
| Run 7 | 9-Feb | 12:14:00 | 12:35:00 | 180 | 0.028 | 0.026 | 0.002 |
| Run 8 | 9-Feb | 12:46:00 | 13:07:00 | 174 | 0.027 | 0.025 | 0.002 |
| Run 9 | 9-Feb | 13:18:00 | 13:39:00 | 174 | 0.027 | 0.025 | 0.002 |
| | | Average: | | 181 | 0.028 | 0.026 | 0.002 lb/MMBtu |

| | | | |
|---|---|---|---|
| **Bias Test (pass/fail):** | **Failed** | Standard Deviation: | 0.0003 |
| **Bias Adjustment Factor:** | **1.081** | Confidence Coefficient: | 0.0003 |
| **Method of RA Determination:** | **Part 75, Standard Emitter** | T-Factor: | 2.306 |
| | **Passed Alternate Annual Criteria** | Runs Reported: | 9 |

Note:
All ppm values are corrected to lb/MMBtu NOX
using RM O2 and CEM O2 as diluents

| | |
|---|---|
| **Relative Accuracy:** | **0.002** |
| Maximum RA | 0.015 |
| **RA Status** | **Passed** |

# Table 17: Unit 4C Bypass CO ppm @ 15% $O_2$ Compliance Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Units | Run 1 | Run 2 | Run 3 | Run 4 | Run 5 | Run 6 | Run 7 | Run 8 | Run 9 | Average | Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Run | 2021 | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | | |
| Start Time | | 8:35:00 | 9:25:00 | 10:01:00 | 10:34:00 | 11:08:00 | 11:42:00 | 12:14:00 | 12:46:00 | 13:18:00 | | |
| Stop Time | | 8:56:00 | 9:46:00 | 10:22:00 | 10:55:00 | 11:29:00 | 12:03:00 | 12:35:00 | 13:07:00 | 13:39:00 | | |
| Unit Load | MW | 185 | 184 | 184 | 184 | 183 | 181 | 180 | 174 | 174 | 181 | |
| Heat Input | MMBtu/hr | 1945.2 | 1939.6 | 1936.1 | 1933.2 | 1927.8 | 1918.2 | 1907.1 | 1861.4 | 1858.9 | 1914.2 | |
| $NO_X$ / $O_2$ | lb/MMBtu | 0.030 | 0.029 | 0.029 | 0.028 | 0.028 | 0.028 | 0.028 | 0.027 | 0.027 | 0.028 | |
| $NO_X$ / $O_2$ | ppm@15% O2 | 8.1 | 7.9 | 7.8 | 7.7 | 7.6 | 7.5 | 7.6 | 7.4 | 7.4 | 7.7 | |
| $NO_X$ / $O_2$ | lb/hr | 58.4 | 56.2 | 56.1 | 54.1 | 54.0 | 53.7 | 53.4 | 50.3 | 50.2 | 54.0 | |
| CO / $O_2$ | lb/MMBtu | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| CO / $O_2$ | ppm@15% O2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | |
| CO / $O_2$ | lb/hr | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Compliance Runs | | | Run 1 | | | Run 2 | | | Run 3 | | | |
| Heat Input | MMBtu/hr | | 1940.3 | | | 1926.4 | | | 1875.8 | | 1914.2 | |
| CO / $O_2$ | ppm@15% O2 | | 0.1 | | | 0.1 | | | 0.1 | | 0.1 | 4.1 |
| CO / $O_2$ | lb/hr | | 0.0 | | | 0.0 | | | 0.0 | | 0.0 | 20.8 |

# Table 18: Unit 4C Bypass CO RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | CO RM DRY ppm | CO CEM DRY ppm | Difference Like ppm |
|---|---|---|---|---|---|---|---|
| Run 1 | 9-Feb | 8:35:00 | 8:56:00 | 185 | 0.1 | 0.8 | -0.7 |
| Run 2 | 9-Feb | 9:25:00 | 9:46:00 | 184 | 0.1 | 0.8 | -0.7 |
| Run 3 | 9-Feb | 10:01:00 | 10:22:00 | 184 | 0.2 | 0.9 | -0.7 |
| Run 4 | 9-Feb | 10:34:00 | 10:55:00 | 184 | 0.1 | 0.9 | -0.8 |
| Run 5 | 9-Feb | 11:08:00 | 11:29:00 | 183 | 0.1 | 0.9 | -0.8 |
| Run 6 | 9-Feb | 11:42:00 | 12:03:00 | 181 | 0.2 | 0.9 | -0.7 |
| Run 7 | 9-Feb | 12:14:00 | 12:35:00 | 180 | 0.2 | 0.8 | -0.6 |
| Run 8 | 9-Feb | 12:46:00 | 13:07:00 | 174 | 0.0 | 0.8 | -0.8 |
| Run 9 | 9-Feb | 13:18:00 | 13:39:00 | 174 | 0.0 | 0.8 | -0.8 |
| | | Average: | | 181 | 0.1 ppm | 0.8 ppm | -0.7 ppm |

**Method of RA Determination: PS 4A 5 ppm Rule**

| | |
|---|---|
| Standard Deviation: | 0.0707 |
| Confidence Coefficient: | 0.0544 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.79** |
| Maximum RA | 5 ppm |
| **RA Status** | **Passed** |

# Table 19: Unit 4C Bypass $O_2$ RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | O2 RM DRY % V/V | $O_2$ CEM DRY % V/V | $O_2$ Difference Like % V/V |
|---|---|---|---|---|---|---|---|
| Run 1 | 9-Feb | 8:35:00 | 8:56:00 | 185 | 13.8 | 13.8 | 0.0 |
| Run 2 | 9-Feb | 9:25:00 | 9:46:00 | 184 | 13.9 | 13.9 | 0.0 |
| Run 3 | 9-Feb | 10:01:00 | 10:22:00 | 184 | 13.9 | 13.9 | 0.0 |
| Run 4 | 9-Feb | 10:34:00 | 10:55:00 | 184 | 13.9 | 13.9 | 0.0 |
| Run 5 | 9-Feb | 11:08:00 | 11:29:00 | 183 | 13.9 | 13.9 | 0.0 |
| Run 6 | 9-Feb | 11:42:00 | 12:03:00 | 181 | 13.9 | 13.9 | 0.0 |
| Run 7 | 9-Feb | 12:14:00 | 12:35:00 | 180 | 13.9 | 13.9 | 0.0 |
| Run 8 | 9-Feb | 12:46:00 | 13:07:00 | 174 | 13.9 | 13.9 | 0.0 |
| Run 9 | 9-Feb | 13:18:00 | 13:39:00 | 174 | 14.0 | 13.9 | 0.1 |
| | | Average: | | 181 | 13.9 % | 13.9 % | 0.0 % |

| | |
|---|---|
| Standard Deviation: | 0.0333 |
| Confidence Coefficient: | 0.0256 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.3** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

**Method of RA Determination: Part 75, Average RM Value**
**Passed Annual Criteria**

## 5.3 Unit 4D (EU -041)

### Table 20: Unit 4D HRSG Part 75 $NO_X$ RATA Summary
### Duke Energy Florida
### Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | $NO_X$ RM lb/MMBtu | CEM lb/MMBtu | Difference Like lb/MMBtu |
|---|---|---|---|---|---|---|---|
| Run 1 | 9-Feb | 8:35:00 | 8:56:00 | 251 | 0.027 | 0.025 | 0.002 |
| Run 2 | 9-Feb | 9:25:00 | 9:46:00 | 251 | 0.027 | 0.025 | 0.002 |
| Run 3 | 9-Feb | 10:01:00 | 10:22:00 | 251 | 0.026 | 0.025 | 0.001 |
| Run 4 | 9-Feb | 10:34:00 | 10:55:00 | 251 | 0.026 | 0.025 | 0.001 |
| Run 5 | 9-Feb | 11:08:00 | 11:29:00 | 251 | 0.026 | 0.025 | 0.001 |
| Run 6 | 9-Feb | 11:42:00 | 12:03:00 | 252 | 0.026 | 0.025 | 0.001 |
| Run 7 | 9-Feb | 12:14:00 | 12:35:00 | 252 | 0.028 | 0.026 | 0.002 |
| Run 8 | 9-Feb | 12:46:00 | 13:07:00 | 253 | 0.032 | 0.030 | 0.002 |
| Run 9 | 9-Feb | 13:18:00 | 13:39:00 | 254 | 0.030 | 0.028 | 0.002 |
| | | Average: | | 252 | 0.028 | 0.026 | 0.002 lb/MMBtu |

**Bias Test (pass/fail): Failed**
**Bias Adjustment Factor: 1.060**
**Method of RA Determination: Part 75, Standard Emitter**
**Passed Annual Criteria**

| | |
|---|---|
| Standard Deviation: | 0.0005 |
| Confidence Coefficient: | 0.0004 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **7.12** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

Note:
All ppm values are corrected to lb/MMBtu NOX
using RM O2 and CEM O2 as diluents

# Table 21: Unit 4D HRSG CO ppm @ 15% O2 Compliance Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Units | Run 1 | Run 2 | Run 3 | Run 4 | Run 5 | Run 6 | Run 7 | Run 8 | Run 9 | Average | Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Run | 2021 | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | 9-Feb | | |
| Start Time | | 8:35:00 | 9:25:00 | 10:01:00 | 10:34:00 | 11:08:00 | 11:42:00 | 12:14:00 | 12:46:00 | 13:18:00 | | |
| Stop Time | | 8:56:00 | 9:46:00 | 10:22:00 | 10:55:00 | 11:29:00 | 12:03:00 | 12:35:00 | 13:07:00 | 13:39:00 | | |
| Unit Load | MW | 251 | 251 | 251 | 251 | 251 | 252 | 252 | 253 | 254 | 252 | |
| Heat Input | MMBtu/hr | 1758.7 | 1758.6 | 1760.4 | 1753.7 | 1755.5 | 1756.2 | 1755.7 | 1760.6 | 1766.6 | 1758.4 | |
| $NO_X$ / $O_2$ | lb/MMBtu | 0.027 | 0.027 | 0.026 | 0.026 | 0.026 | 0.026 | 0.028 | 0.032 | 0.030 | 0.028 | |
| $NO_X$ / $O_2$ | ppm@15% O2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.6 | 8.7 | 8.1 | 7.5 | |
| $NO_X$ / $O_2$ | lb/hr | 47.5 | 47.5 | 45.8 | 45.6 | 45.6 | 45.7 | 49.2 | 56.3 | 53.0 | 48.5 | |
| CO / $O_2$ | lb/MMBtu | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | |
| CO / $O_2$ | ppm@15% O2 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.7 | 0.5 | 0.9 | |
| CO / $O_2$ | lb/hr | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 1.8 | 3.3 | |
| Compliance Runs | | | Run 1 | | | Run 2 | | | Run 3 | | | |
| Heat Input | MMBtu/hr | | 1759.2 | | | 1755.1 | | | 1761.0 | | 1758.4 | |
| CO / $O_2$ | ppm@15% O2 | | 1.0 | | | 1.0 | | | 0.7 | | 0.9 | 4.1 |
| CO / $O_2$ | lb/hr | | 3.5 | | | 3.5 | | | 2.9 | | 3.3 | 20.8 |

# Table 22: Unit 4D HRSG CO RATA Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | CO RM DRY ppm | CO CEM DRY ppm | Difference Like ppm |
|---|---|---|---|---|---|---|---|
| Run 1 | 9-Feb | 8:35:00 | 8:56:00 | 251 | 1.1 | 2.8 | -1.7 |
| Run 2 | 9-Feb | 9:25:00 | 9:46:00 | 251 | 1.2 | 2.8 | -1.6 |
| Run 3 | 9-Feb | 10:01:00 | 10:22:00 | 251 | 1.2 | 2.9 | -1.7 |
| Run 4 | 9-Feb | 10:34:00 | 10:55:00 | 251 | 1.2 | 2.9 | -1.7 |
| Run 5 | 9-Feb | 11:08:00 | 11:29:00 | 251 | 1.2 | 2.9 | -1.7 |
| Run 6 | 9-Feb | 11:42:00 | 12:03:00 | 252 | 1.1 | 2.8 | -1.7 |
| Run 7 | 9-Feb | 12:14:00 | 12:35:00 | 252 | 1.1 | 2.8 | -1.7 |
| Run 8 | 9-Feb | 12:46:00 | 13:07:00 | 253 | 0.8 | 2.5 | -1.7 |
| Run 9 | 9-Feb | 13:18:00 | 13:39:00 | 254 | 0.6 | 2.4 | -1.8 |
| | | Average: | | 252 | 1.1 ppm | 2.8 ppm | -1.7 ppm |

**Method of RA Determination: PS 4A 5 ppm Rule**

| | |
|---|---|
| Standard Deviation: | 0.0500 |
| Confidence Coefficient: | 0.0384 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **1.74** |
| Maximum RA | 5 ppm |
| **RA Status** | **Passed** |

# Table 23: Unit 4D HRSG $O_2$ RATA Summary
## Duke Energy Florida
## Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | O2 RM DRY % V/V | $O_2$ CEM DRY % V/V | $O_2$ Difference Like % V/V |
|---|---|---|---|---|---|---|---|
| Run 1 | 9-Feb | 8:35:00 | 8:56:00 | 251 | 13.9 | 13.9 | 0.0 |
| Run 2 | 9-Feb | 9:25:00 | 9:46:00 | 251 | 13.9 | 13.9 | 0.0 |
| Run 3 | 9-Feb | 10:01:00 | 10:22:00 | 251 | 13.9 | 13.9 | 0.0 |
| Run 4 | 9-Feb | 10:34:00 | 10:55:00 | 251 | 13.9 | 13.9 | 0.0 |
| Run 5 | 9-Feb | 11:08:00 | 11:29:00 | 251 | 13.9 | 13.9 | 0.0 |
| Run 6 | 9-Feb | 11:42:00 | 12:03:00 | 252 | 14.0 | 13.9 | 0.1 |
| Run 7 | 9-Feb | 12:14:00 | 12:35:00 | 252 | 13.9 | 13.9 | 0.0 |
| Run 8 | 9-Feb | 12:46:00 | 13:07:00 | 253 | 14.0 | 13.9 | 0.1 |
| Run 9 | 9-Feb | 13:18:00 | 13:39:00 | 254 | 14.0 | 14.0 | 0.0 |
| | | Average: | | 252 | 13.9 % | 13.9 % | 0.0 % |

| | |
|---|---|
| Standard Deviation: | 0.0441 |
| Confidence Coefficient: | 0.0339 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.4** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

**Method of RA Determination: Part 75, Average RM Value**
**Passed Annual Criteria**

# Table 24: Unit 4D Bypass Part 75 $NO_X$ RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | $NO_X$ RM lb/MMBtu | CEM lb/MMBtu | Difference Like lb/MMBtu |
|---|---|---|---|---|---|---|---|
| Run 1 | 10-Feb | 8:25:00 | 8:46:00 | 181 | 0.027 | 0.025 | 0.002 |
| Run 2 | 10-Feb | 9:03:00 | 9:24:00 | 181 | 0.028 | 0.025 | 0.003 |
| Run 3 | 10-Feb | 9:36:00 | 9:57:00 | 180 | 0.029 | 0.026 | 0.003 |
| Run 4 | 10-Feb | 10:09:00 | 10:30:00 | 181 | 0.030 | 0.027 | 0.003 |
| Run 5 | 10-Feb | 10:41:00 | 11:02:00 | 182 | 0.030 | 0.027 | 0.003 |
| Run 6 | 10-Feb | 11:13:00 | 11:34:00 | 181 | 0.030 | 0.027 | 0.003 |
| Run 7 | 10-Feb | 11:45:00 | 12:06:00 | 179 | 0.029 | 0.026 | 0.003 |
| Run 8 | 10-Feb | 12:17:00 | 12:38:00 | 177 | 0.029 | 0.026 | 0.003 |
| Run 9 | 10-Feb | 12:49:00 | 13:10:00 | 174 | 0.029 | 0.026 | 0.003 |
| | | Average: | | 180 | 0.029 | 0.026 | 0.003 lb/MMBtu |

**Bias Test (pass/fail): Low Emitter-Failed**
**Bias Adjustment Factor: 1.111**
**Method of RA Determination: Part 75, Low Emitter**
**Passed Alternate Annual Criteria**

| | |
|---|---|
| Standard Deviation: | 0.0003 |
| Confidence Coefficient: | 0.0003 |
| T-Factor: | 2.306 |
| Runs Reported: | 9 |
| **Relative Accuracy:** | **0.003** |
| Maximum RA | 0.015 |
| **RA Status** | **Passed** |

Note:
All ppm values are corrected to lb/MMBtu NOX
using RM O2 and CEM O2 as diluents

# Table 25: Unit 4D Bypass CO ppm @ 15% $O_2$ Compliance Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Units | Run 1 | Run 2 | Run 3 | Run 4 | Run 5 | Run 6 | Run 7 | Run 8 | Run 9 | Average | Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Run | 2021 | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | 10-Feb | | |
| Start Time | | 8:25:00 | 9:03:00 | 9:36:00 | 10:09:00 | 10:41:00 | 11:13:00 | 11:45:00 | 12:17:00 | 12:49:00 | | |
| Stop Time | | 8:46:00 | 9:24:00 | 9:57:00 | 10:30:00 | 11:02:00 | 11:34:00 | 12:06:00 | 12:38:00 | 13:10:00 | | |
| Unit Load | MW | 181 | 181 | 180 | 181 | 182 | 181 | 179 | 177 | 174 | 180 | |
| Heat Input | MMBtu/hr | 1883.4 | 1876.3 | 1876.1 | 1880.3 | 1884.2 | 1876.3 | 1864.5 | 1846.6 | 1823.3 | 1867.9 | |
| $NO_X$ / $O_2$ | lb/MMBtu | 0.027 | 0.028 | 0.029 | 0.030 | 0.030 | 0.030 | 0.029 | 0.029 | 0.029 | 0.029 | |
| $NO_X$ / $O_2$ | ppm@15% O2 | 7.4 | 7.5 | 7.9 | 8.2 | 8.2 | 8.1 | 7.9 | 7.8 | 7.8 | 7.9 | |
| $NO_X$ / $O_2$ | lb/hr | 50.9 | 52.5 | 54.4 | 56.4 | 56.5 | 56.3 | 54.1 | 53.6 | 52.9 | 54.2 | |
| CO / $O_2$ | lb/MMBtu | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| CO / $O_2$ | ppm@15% O2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | |
| CO / $O_2$ | lb/hr | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Compliance Runs | | | Run 1 | | | Run 2 | | | Run 3 | | | |
| Heat Input | MMBtu/hr | | 1878.6 | | | 1880.3 | | | 1844.8 | | 1867.9 | |
| CO / $O_2$ | ppm@15% O2 | | 0.1 | | | 0.1 | | | 0.0 | | 0.1 | 4.1 |
| CO / $O_2$ | lb/hr | | 0.0 | | | 0.0 | | | 0.0 | | 0.0 | 20.8 |

# Table 26: Unit 4D Bypass CO RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | CO RM DRY ppm | CO CEM DRY ppm | Difference Like ppm |
|---|---|---|---|---|---|---|---|
| Run 1 | 10-Feb | 8:25:00 | 8:46:00 | 181 | 0.1 | 1.2 | -1.1 |
| Run 2 | 10-Feb | 9:03:00 | 9:24:00 | 181 | 0.1 | 1.2 | -1.1 |
| Run 3 | 10-Feb | 9:36:00 | 9:57:00 | 180 | 0.2 | 1.2 | -1.0 |
| Run 4 | 10-Feb | 10:09:00 | 10:30:00 | 181 | 0.1 | 1.2 | -1.1 |
| Run 5 | 10-Feb | 10:41:00 | 11:02:00 | 182 | 0.1 | 1.3 | -1.2 |
| Run 6 | 10-Feb | 11:13:00 | 11:34:00 | 181 | 0.1 | 1.2 | -1.1 |
| Run 7 | 10-Feb | 11:45:00 | 12:06:00 | 179 | 0.1 | 1.2 | -1.1 |
| Run 8 | 10-Feb | 12:17:00 | 12:38:00 | 177 | 0.0 | 1.2 | -1.2 |
| Run 9 | 10-Feb | 12:49:00 | 13:10:00 | 174 | 0.0 | 1.1 | -1.1 |
| | | Average: | | 180 | 0.1 ppm | 1.2 ppm | -1.1 ppm |

**Method of RA Determination: PS 4A 5 ppm Rule**

| | |
|---|---|
| Standard Deviation: | 0.0601 |
| Confidence Coefficient: | 0.0462 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **1.16** |
| Maximum RA | 5 ppm |
| **RA Status** | **Passed** |

# Table 27: Unit 4D Bypass $O_2$ RATA Summary
# Duke Energy Florida
# Bartow Plant

| Run Number | Date of Run | Start Time | Stop Time | Unit Load MW | O2 RM DRY % V/V | $O_2$ CEM DRY % V/V | $O_2$ Difference Like % V/V |
|---|---|---|---|---|---|---|---|
| Run 1 | 10-Feb | 8:25:00 | 8:46:00 | 181 | 13.8 | 13.8 | 0.0 |
| Run 2 | 10-Feb | 9:03:00 | 9:24:00 | 181 | 13.9 | 13.8 | 0.1 |
| Run 3 | 10-Feb | 9:36:00 | 9:57:00 | 180 | 13.9 | 13.8 | 0.1 |
| Run 4 | 10-Feb | 10:09:00 | 10:30:00 | 181 | 13.8 | 13.8 | 0.0 |
| Run 5 | 10-Feb | 10:41:00 | 11:02:00 | 182 | 13.8 | 13.8 | 0.0 |
| Run 6 | 10-Feb | 11:13:00 | 11:34:00 | 181 | 13.8 | 13.8 | 0.0 |
| Run 7 | 10-Feb | 11:45:00 | 12:06:00 | 179 | 13.8 | 13.8 | 0.0 |
| Run 8 | 10-Feb | 12:17:00 | 12:38:00 | 177 | 13.8 | 13.8 | 0.0 |
| Run 9 | 10-Feb | 12:49:00 | 13:10:00 | 174 | 13.8 | 13.8 | 0.0 |
| | | Average: | | 180 | 13.8 % | 13.8 % | 0.0 % |

| | |
|---|---|
| Standard Deviation: | 0.0441 |
| Confidence Coefficient: | 0.0339 |
| T-Factor: | 2.306 |
| Number of runs Reported: | 9 |
| **Relative Accuracy:** | **0.4** |
| Maximum RA | 7.5 |
| **RA Status** | **Passed** |

**Method of RA Determination: Part 75, Average RM Value**
**Passed Annual Criteria**

# Appendix A:  Facility Operating Data

**Heat Input**
**CEMS Data**

# Unit 4B HRSG

**Bartow - 4B HRSG Stack (*EU -039*) RATA Data**

**February 11, 2021**

| Run | Start *EST* | End *EST* | CO *ppm* | CO @ 15% *ppm@15% $O_2$* | CT Gas Flow *HSCF/hr* | DB Gas Flow *HSCF/hr* | Unit Load *MW* | Heat Input (HHV) *mmBtu/hr* | Compressor Inlet Temp *°F* | NOx @ 15% *ppm@15% $O_2$* | NOx Rate *lb/mmBtu* | $O_2$ *%* | Steam Flow *KPPH* | Average Heat Input (HHV) *mmBtu/hr* | Average Inlet Temp *°F* | Permit CT Heat Input (HHV) *mmBtu/hr @59°F* | Permit CT Heat Input at Inlet Temp (HHV) *mmBtu/hr* | CT Capacity *%* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7:50 AM | 8:11 AM | 1.1 | 0.9 | 18,517.5 | 0 | 281.3 | 1,892.2 | 67.1 | 7.3 | 0.027 | 13.9 | 237 | | | | | |
| 2 | 8:26 AM | 8:47 AM | 0.8 | 0.7 | 18,487.5 | 0 | 280.6 | 1,889.1 | 67.7 | 7.1 | 0.026 | 13.9 | 236 | 1,888 | 67.8 | | 1,925 | 98% |
| 3 | 8:57 AM | 9:18 AM | 0.8 | 0.7 | 18,428.6 | 0 | 279.5 | 1,883.1 | 68.6 | 7.2 | 0.026 | 13.9 | 236 | | | | | |
| 4 | 9:28 AM | 9:49 AM | 0.8 | 0.7 | 18,371.8 | 0 | 278.6 | 1,877.3 | 69.5 | 7.2 | 0.026 | 13.9 | 234 | | | | | |
| 5 | 10:00 AM | 10:21 AM | 0.8 | 0.7 | 18,302.1 | 0 | 276.4 | 1,870.2 | 70.7 | 7.1 | 0.026 | 13.9 | 232 | 1,869 | 70.8 | 1,972 | 1,909 | 98% |
| 6 | 10:30 AM | 10:51 AM | 0.8 | 0.7 | 18,193.9 | 0 | 272.8 | 1,859.1 | 72.2 | 7.1 | 0.026 | 13.9 | 228 | | | | | |
| 7 | 11:00 AM | 11:21 AM | 0.8 | 0.7 | 18,123.2 | 0 | 270.2 | 1,851.9 | 73.9 | 7.1 | 0.026 | 13.9 | 225 | | | | | |
| 8 | 11:30 AM | 11:51 AM | 0.8 | 0.7 | 18,020.4 | 0 | 264.6 | 1,841.4 | 76.0 | 7.0 | 0.026 | 13.9 | 217 | 1,842 | 75.8 | | 1,881 | 98% |
| 9 | 12:09 PM | 12:30 PM | 0.7 | 0.6 | 17,929.3 | 0 | 257.3 | 1,832.1 | 77.4 | 7.0 | 0.026 | 13.9 | 202 | | | | | |
| | | **Average** | **0.8** | **0.7** | **18,263.8** | **0** | **273.5** | **1,866.3** | **71.5** | **7.1** | **0.026** | **13.9** | **227** | **1,866** | **71.5** | | **1,905** | **98%** |

| Date/Time | 4B: CO_HRSG (PPM) Raw Value | 4B: CO_HRSG_C15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GAS_DB_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_HRSG_C15 (PPM) Raw Value | 4B: NOX_RT (LBMMBTU) Raw Value | 4B: O2_HRSG (PCT) Raw Value | 4B: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 7:50 | 0.9 | 0.8 | 18,517.5 | 0 | 281.6 | 1,892.2 | 67.0 | 7.4 | 0.027 | 13.9 | 238 |
| 2/11/2021 7:51 | 1.0 | 0.8 | 18,517.5 | 0 | 281.4 | 1,892.2 | 67.0 | 7.3 | 0.027 | 13.9 | 238 |
| 2/11/2021 7:52 | 1.1 | 0.9 | 18,517.5 | 0 | 281.3 | 1,892.2 | 67.0 | 7.3 | 0.027 | 13.9 | 238 |
| 2/11/2021 7:53 | 1.0 | 0.8 | 18,517.5 | 0 | 281.0 | 1,892.2 | 67.0 | 7.3 | 0.027 | 13.9 | 237 |
| 2/11/2021 7:54 | 0.9 | 0.8 | 18,517.5 | 0 | 280.9 | 1,892.2 | 67.1 | 7.4 | 0.027 | 13.9 | 237 |
| 2/11/2021 7:55 | 0.9 | 0.8 | 18,495.0 | 0 | 281.0 | 1,889.9 | 67.1 | 7.5 | 0.028 | 13.9 | 237 |
| 2/11/2021 7:56 | 1.2 | 1.0 | 18,495.0 | 0 | 281.1 | 1,889.9 | 67.1 | 7.4 | 0.027 | 13.9 | 237 |
| 2/11/2021 7:57 | 1.6 | 1.3 | 18,517.5 | 0 | 281.3 | 1,892.2 | 67.1 | 7.4 | 0.027 | 13.9 | 237 |
| 2/11/2021 7:58 | 1.6 | 1.3 | 18,540.0 | 0 | 281.4 | 1,894.5 | 67.2 | 7.4 | 0.027 | 13.9 | 237 |
| 2/11/2021 7:59 | 1.2 | 1.0 | 18,540.0 | 0 | 281.4 | 1,894.5 | 67.2 | 7.4 | 0.027 | 13.9 | 237 |
| 2/11/2021 8:00 | 1.1 | 0.9 | 18,562.5 | 0 | 281.6 | 1,896.8 | 67.2 | 7.6 | 0.028 | 13.9 | 237 |
| 2/11/2021 8:01 | 1.1 | 0.9 | 18,540.0 | 0 | 281.7 | 1,894.5 | 67.2 | 7.6 | 0.028 | 13.9 | 238 |
| 2/11/2021 8:02 | 1.2 | 1.0 | 18,540.0 | 0 | 281.5 | 1,894.5 | 67.2 | 7.7 | 0.028 | 13.9 | 237 |
| 2/11/2021 8:03 | 1.0 | 0.8 | 18,517.5 | 0 | 281.7 | 1,892.2 | 67.2 | 7.5 | 0.028 | 13.9 | 238 |
| 2/11/2021 8:04 | 1.0 | 0.8 | 18,517.5 | 0 | 281.5 | 1,892.2 | 67.1 | 7.2 | 0.026 | 13.9 | 238 |
| 2/11/2021 8:05 | 1.1 | 0.9 | 18,517.5 | 0 | 281.5 | 1,892.2 | 67.1 | 7.0 | 0.026 | 13.9 | 238 |
| 2/11/2021 8:06 | 1.0 | 0.8 | 18,495.0 | 0 | 281.4 | 1,889.9 | 67.1 | 7.0 | 0.026 | 13.9 | 238 |
| 2/11/2021 8:07 | 1.1 | 0.9 | 18,517.5 | 0 | 281.3 | 1,892.2 | 67.1 | 7.1 | 0.026 | 13.9 | 238 |
| 2/11/2021 8:08 | 1.0 | 0.8 | 18,495.0 | 0 | 280.9 | 1,889.9 | 67.1 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:09 | 0.9 | 0.8 | 18,472.5 | 0 | 280.9 | 1,887.6 | 67.1 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:10 | 0.9 | 0.8 | 18,517.5 | 0 | 281.0 | 1,892.2 | 67.2 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:11 | 0.9 | 0.8 | 18,540.0 | 0 | 281.4 | 1,894.5 | 67.2 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:12 | 0.8 | 0.7 | 18,517.5 | 0 | 281.4 | 1,892.2 | 67.2 | 7.1 | 0.026 | 13.9 | 238 |
| 2/11/2021 8:13 | 0.8 | 0.7 | 18,517.5 | 0 | 281.3 | 1,892.2 | 67.2 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:14 | 0.8 | 0.7 | 18,517.5 | 0 | 281.3 | 1,892.2 | 67.3 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:15 | 0.8 | 0.7 | 18,517.5 | 0 | 281.4 | 1,892.2 | 67.3 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:16 | 0.8 | 0.7 | 18,495.0 | 0 | 281.1 | 1,889.9 | 67.3 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:17 | 0.8 | 0.7 | 18,495.0 | 0 | 281.1 | 1,889.9 | 67.3 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:18 | 0.8 | 0.7 | 18,517.5 | 0 | 281.0 | 1,892.2 | 67.3 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:19 | 0.8 | 0.7 | 18,472.5 | 0 | 280.8 | 1,887.6 | 67.3 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:20 | 0.8 | 0.7 | 18,495.0 | 0 | 280.8 | 1,889.9 | 67.3 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:21 | 0.8 | 0.7 | 18,495.0 | 0 | 280.9 | 1,889.9 | 67.3 | 7.0 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:22 | 0.8 | 0.7 | 18,517.5 | 0 | 281.1 | 1,892.2 | 67.3 | 6.9 | 0.025 | 13.9 | 238 |
| 2/11/2021 8:23 | 0.8 | 0.7 | 18,495.0 | 0 | 281.0 | 1,889.9 | 67.3 | 7.1 | 0.026 | 13.9 | 237 |

| Date/Time | 4B: CO_HRSG (PPM) Raw Value | 4B: CO_HRSG_C15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GAS_DB_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_HRSG_C15 (PPM) Raw Value | 4B: NOX_RT (LBMMBTU) Raw Value | 4B: O2_HRSG (PCT) Raw Value | 4B: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 8:24 | 0.8 | 0.7 | 18,517.5 | 0 | 280.8 | 1,892.2 | 67.4 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:25 | 0.8 | 0.7 | 18,540.0 | 0 | 280.9 | 1,894.5 | 67.5 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:26 | 0.8 | 0.7 | 18,517.5 | 0 | 281.2 | 1,892.2 | 67.5 | 7.0 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:27 | 0.8 | 0.7 | 18,517.5 | 0 | 281.1 | 1,892.2 | 67.5 | 7.0 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:28 | 0.8 | 0.7 | 18,495.0 | 0 | 280.9 | 1,889.9 | 67.5 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:29 | 0.8 | 0.7 | 18,495.0 | 0 | 280.8 | 1,889.9 | 67.5 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:30 | 0.8 | 0.7 | 18,495.0 | 0 | 280.6 | 1,889.9 | 67.5 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:31 | 0.9 | 0.8 | 18,495.0 | 0 | 280.6 | 1,889.9 | 67.6 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:32 | 0.9 | 0.8 | 18,472.5 | 0 | 280.5 | 1,887.6 | 67.6 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:33 | 0.9 | 0.8 | 18,472.5 | 0 | 280.5 | 1,887.6 | 67.7 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:34 | 1.1 | 0.9 | 18,472.5 | 0 | 280.3 | 1,887.6 | 67.7 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:35 | 1.0 | 0.8 | 18,540.0 | 0 | 280.7 | 1,894.5 | 67.7 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:36 | 0.9 | 0.8 | 18,495.0 | 0 | 281.0 | 1,889.9 | 67.8 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:37 | 0.8 | 0.7 | 18,517.5 | 0 | 281.0 | 1,892.2 | 67.9 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:38 | 0.8 | 0.7 | 18,517.5 | 0 | 281.0 | 1,892.2 | 67.9 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:39 | 0.8 | 0.7 | 18,495.0 | 0 | 280.6 | 1,889.9 | 67.9 | 7.2 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:40 | 0.8 | 0.7 | 18,495.0 | 0 | 280.3 | 1,889.9 | 67.9 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:41 | 0.8 | 0.7 | 18,495.0 | 0 | 280.5 | 1,889.9 | 67.9 | 7.0 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:42 | 0.8 | 0.7 | 18,472.5 | 0 | 280.5 | 1,887.6 | 67.9 | 7.0 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:43 | 0.8 | 0.7 | 18,450.0 | 0 | 280.4 | 1,885.3 | 67.9 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:44 | 0.8 | 0.7 | 18,472.5 | 0 | 280.4 | 1,887.6 | 67.9 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:45 | 0.8 | 0.7 | 18,427.5 | 0 | 280.1 | 1,883.0 | 67.9 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:46 | 0.8 | 0.7 | 18,427.5 | 0 | 279.8 | 1,883.0 | 67.9 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:47 | 0.8 | 0.7 | 18,472.5 | 0 | 280.2 | 1,887.6 | 67.9 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:48 | 0.8 | 0.7 | 18,472.5 | 0 | 280.2 | 1,887.6 | 68.0 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:49 | 0.8 | 0.7 | 18,495.0 | 0 | 280.5 | 1,889.9 | 68.0 | 7.3 | 0.027 | 13.9 | 236 |
| 2/11/2021 8:50 | 0.8 | 0.7 | 18,495.0 | 0 | 280.9 | 1,889.9 | 68.0 | 7.2 | 0.027 | 13.9 | 236 |
| 2/11/2021 8:51 | 0.7 | 0.6 | 18,495.0 | 0 | 280.7 | 1,889.9 | 68.1 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:52 | 0.7 | 0.6 | 18,472.5 | 0 | 280.7 | 1,887.6 | 68.1 | 7.1 | 0.026 | 13.9 | 237 |
| 2/11/2021 8:53 | 0.8 | 0.7 | 18,427.5 | 0 | 280.0 | 1,883.0 | 68.1 | 6.9 | 0.025 | 13.9 | 236 |
| 2/11/2021 8:54 | 0.8 | 0.7 | 18,450.0 | 0 | 280.2 | 1,885.3 | 68.1 | 6.9 | 0.025 | 13.9 | 237 |
| 2/11/2021 8:55 | 0.8 | 0.7 | 18,472.5 | 0 | 279.9 | 1,887.6 | 68.1 | 6.9 | 0.025 | 13.9 | 237 |
| 2/11/2021 8:56 | 0.8 | 0.7 | 18,450.0 | 0 | 279.5 | 1,885.3 | 68.1 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 8:57 | 0.8 | 0.7 | 18,450.0 | 0 | 279.4 | 1,885.3 | 68.1 | 7.2 | 0.027 | 13.9 | 236 |
| 2/11/2021 8:58 | 0.8 | 0.7 | 18,427.5 | 0 | 279.3 | 1,883.0 | 68.1 | 7.2 | 0.027 | 13.9 | 236 |
| 2/11/2021 8:59 | 0.8 | 0.7 | 18,405.0 | 0 | 279.4 | 1,880.7 | 68.2 | 7.2 | 0.027 | 13.9 | 236 |
| 2/11/2021 9:00 | 0.8 | 0.7 | 18,427.5 | 0 | 279.3 | 1,883.0 | 68.2 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:01 | 0.9 | 0.8 | 18,450.0 | 0 | 279.5 | 1,885.3 | 68.2 | 7.1 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:02 | 0.8 | 0.7 | 18,472.5 | 0 | 279.4 | 1,887.6 | 68.3 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:03 | 0.8 | 0.7 | 18,450.0 | 0 | 279.4 | 1,885.3 | 68.4 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:04 | 0.8 | 0.7 | 18,450.0 | 0 | 279.8 | 1,885.3 | 68.5 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:05 | 0.8 | 0.7 | 18,450.0 | 0 | 279.4 | 1,885.3 | 68.5 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:06 | 0.8 | 0.7 | 18,427.5 | 0 | 279.7 | 1,883.0 | 68.5 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:07 | 0.8 | 0.7 | 18,405.0 | 0 | 279.4 | 1,880.7 | 68.6 | 7.2 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:08 | 0.9 | 0.8 | 18,405.0 | 0 | 279.4 | 1,880.7 | 68.7 | 7.2 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:09 | 0.9 | 0.8 | 18,427.5 | 0 | 279.7 | 1,883.0 | 68.8 | 7.1 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:10 | 0.9 | 0.8 | 18,405.0 | 0 | 279.4 | 1,880.7 | 68.8 | 7.0 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:11 | 0.9 | 0.8 | 18,382.5 | 0 | 279.0 | 1,878.4 | 68.8 | 7.0 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:12 | 0.9 | 0.8 | 18,382.5 | 0 | 279.1 | 1,878.4 | 68.8 | 7.0 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:13 | 0.9 | 0.8 | 18,427.5 | 0 | 279.1 | 1,883.0 | 68.8 | 7.0 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:14 | 0.9 | 0.8 | 18,450.0 | 0 | 279.7 | 1,885.3 | 68.9 | 7.1 | 0.026 | 13.9 | 235 |

| Date/Time | 4B: CO_HRSG (PPM) Raw Value | 4B: CO_HRSG_C15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GAS_DB_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_HRSG_C15 (PPM) Raw Value | 4B: NOX_RT (LBMMBTU) Raw Value | 4B: O2_HRSG (PCT) Raw Value | 4B: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 9:15 | 0.8 | 0.7 | 18,450.0 | 0 | 280.1 | 1,885.3 | 68.9 | 7.2 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:16 | 0.8 | 0.7 | 18,427.5 | 0 | 279.6 | 1,883.0 | 68.9 | 7.3 | 0.027 | 13.9 | 235 |
| 2/11/2021 9:17 | 0.8 | 0.7 | 18,427.5 | 0 | 279.6 | 1,883.0 | 68.9 | 7.3 | 0.027 | 13.9 | 236 |
| 2/11/2021 9:18 | 0.8 | 0.7 | 18,405.0 | 0 | 279.3 | 1,880.7 | 68.9 | 7.0 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:19 | 0.8 | 0.7 | 18,382.5 | 0 | 278.9 | 1,878.4 | 68.9 | 6.9 | 0.025 | 13.9 | 235 |
| 2/11/2021 9:20 | 0.8 | 0.7 | 18,337.5 | 0 | 278.8 | 1,873.8 | 69.0 | 7.0 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:21 | 0.8 | 0.7 | 18,360.0 | 0 | 278.9 | 1,876.1 | 69.0 | 7.1 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:22 | 0.8 | 0.7 | 18,337.5 | 0 | 279.0 | 1,873.8 | 69.0 | 7.0 | 0.026 | 13.9 | 236 |
| 2/11/2021 9:23 | 0.8 | 0.7 | 18,360.0 | 0 | 278.7 | 1,876.1 | 69.0 | 7.1 | 0.026 | 13.9 | 235 |
| 2/11/2021 9:24 | 0.8 | 0.7 | 18,360.0 | 0 | 278.5 | 1,876.1 | 69.0 | 7.2 | 0.026 | 13.9 | 234 |
| 2/11/2021 9:25 | 0.8 | 0.7 | 18,405.0 | 0 | 278.6 | 1,880.7 | 69.0 | 7.1 | 0.026 | 13.9 | 233.9 |
| 2/11/2021 9:26 | 0.8 | 0.7 | 18,405.0 | 0 | 279.2 | 1,880.7 | 69.1 | 7.2 | 0.026 | 13.9 | 234.6 |
| 2/11/2021 9:27 | 0.8 | 0.7 | 18,427.5 | 0 | 279.4 | 1,883.0 | 69.1 | 7.2 | 0.027 | 13.9 | 235.2 |
| 2/11/2021 9:28 | 0.8 | 0.7 | 18,405.0 | 0 | 279.3 | 1,880.7 | 69.1 | 7.2 | 0.027 | 13.9 | 234.7 |
| 2/11/2021 9:29 | 0.8 | 0.7 | 18,405.0 | 0 | 279.3 | 1,880.7 | 69.1 | 7.2 | 0.027 | 13.9 | 235.1 |
| 2/11/2021 9:30 | 0.8 | 0.7 | 18,360.0 | 0 | 278.9 | 1,876.1 | 69.2 | 7.2 | 0.026 | 13.9 | 234.7 |
| 2/11/2021 9:31 | 0.8 | 0.7 | 18,360.0 | 0 | 278.8 | 1,876.1 | 69.2 | 7.1 | 0.026 | 13.9 | 235.2 |
| 2/11/2021 9:32 | 0.8 | 0.7 | 18,315.0 | 0 | 278.3 | 1,871.5 | 69.3 | 7.0 | 0.026 | 13.9 | 234.4 |
| 2/11/2021 9:33 | 0.8 | 0.7 | 18,337.5 | 0 | 278.2 | 1,873.8 | 69.3 | 7.0 | 0.026 | 13.9 | 234.2 |
| 2/11/2021 9:34 | 0.8 | 0.7 | 18,382.5 | 0 | 278.1 | 1,878.4 | 69.3 | 7.1 | 0.026 | 13.9 | 233.5 |
| 2/11/2021 9:35 | 0.8 | 0.7 | 18,405.0 | 0 | 278.8 | 1,880.7 | 69.4 | 7.2 | 0.026 | 13.9 | 234.4 |
| 2/11/2021 9:36 | 0.8 | 0.7 | 18,382.5 | 0 | 278.7 | 1,878.4 | 69.5 | 7.2 | 0.027 | 13.9 | 234.3 |
| 2/11/2021 9:37 | 0.8 | 0.7 | 18,405.0 | 0 | 278.7 | 1,880.7 | 69.6 | 7.2 | 0.027 | 13.9 | 234.5 |
| 2/11/2021 9:38 | 0.8 | 0.7 | 18,405.0 | 0 | 279.0 | 1,880.7 | 69.6 | 7.2 | 0.027 | 13.9 | 234.6 |
| 2/11/2021 9:39 | 0.8 | 0.7 | 18,382.5 | 0 | 278.5 | 1,878.4 | 69.6 | 7.2 | 0.027 | 13.9 | 234.2 |
| 2/11/2021 9:40 | 0.8 | 0.7 | 18,360.0 | 0 | 278.2 | 1,876.1 | 69.6 | 7.2 | 0.027 | 13.9 | 234 |
| 2/11/2021 9:41 | 0.8 | 0.7 | 18,337.5 | 0 | 278.1 | 1,873.8 | 69.7 | 7.2 | 0.026 | 13.9 | 233.6 |
| 2/11/2021 9:42 | 0.8 | 0.7 | 18,360.0 | 0 | 278.5 | 1,876.1 | 69.7 | 7.0 | 0.026 | 13.9 | 233.9 |
| 2/11/2021 9:43 | 0.8 | 0.7 | 18,405.0 | 0 | 278.7 | 1,880.7 | 69.7 | 7.0 | 0.026 | 13.9 | 234.5 |
| 2/11/2021 9:44 | 0.7 | 0.6 | 18,360.0 | 0 | 278.5 | 1,876.1 | 69.8 | 7.2 | 0.026 | 13.9 | 234.6 |
| 2/11/2021 9:45 | 0.7 | 0.6 | 18,382.5 | 0 | 278.5 | 1,878.4 | 69.8 | 7.2 | 0.027 | 13.9 | 234.9 |
| 2/11/2021 9:46 | 0.8 | 0.7 | 18,337.5 | 0 | 278.0 | 1,873.8 | 69.9 | 7.2 | 0.026 | 13.9 | 234.5 |
| 2/11/2021 9:47 | 0.8 | 0.7 | 18,360.0 | 0 | 278.2 | 1,876.1 | 70.0 | 7.2 | 0.026 | 13.9 | 234.3 |
| 2/11/2021 9:48 | 0.8 | 0.7 | 18,360.0 | 0 | 278.6 | 1,876.1 | 70.1 | 7.2 | 0.026 | 13.9 | 234.4 |
| 2/11/2021 9:49 | 0.7 | 0.6 | 18,360.0 | 0 | 278.2 | 1,876.1 | 70.1 | 7.2 | 0.026 | 13.9 | 234.4 |
| 2/11/2021 9:50 | 0.7 | 0.6 | 18,360.0 | 0 | 278.4 | 1,876.1 | 70.2 | 7.1 | 0.026 | 13.9 | 234.8 |
| 2/11/2021 9:51 | 0.8 | 0.7 | 18,405.0 | 0 | 278.9 | 1,880.7 | 70.2 | 7.1 | 0.026 | 13.9 | 235.1 |
| 2/11/2021 9:52 | 0.7 | 0.6 | 18,382.5 | 0 | 278.4 | 1,878.4 | 70.2 | 7.2 | 0.026 | 13.9 | 234.7 |
| 2/11/2021 9:53 | 0.8 | 0.7 | 18,382.5 | 0 | 277.8 | 1,878.4 | 70.2 | 7.2 | 0.027 | 13.9 | 232.9 |
| 2/11/2021 9:54 | 0.8 | 0.7 | 18,360.0 | 0 | 277.5 | 1,876.1 | 70.3 | 7.2 | 0.026 | 13.9 | 232.6 |
| 2/11/2021 9:55 | 0.8 | 0.7 | 18,337.5 | 0 | 278.0 | 1,873.8 | 70.3 | 7.2 | 0.026 | 13.9 | 234.5 |
| 2/11/2021 9:56 | 0.8 | 0.7 | 18,292.5 | 0 | 277.7 | 1,869.2 | 70.3 | 7.2 | 0.027 | 13.9 | 234.9 |
| 2/11/2021 9:57 | 0.9 | 0.8 | 18,315.0 | 0 | 277.4 | 1,871.5 | 70.5 | 7.2 | 0.026 | 13.9 | 233.5 |
| 2/11/2021 9:58 | 0.8 | 0.7 | 18,337.5 | 0 | 277.2 | 1,873.8 | 70.6 | 7.0 | 0.026 | 13.9 | 232.9 |
| 2/11/2021 9:59 | 0.8 | 0.7 | 18,337.5 | 0 | 277.6 | 1,873.8 | 70.7 | 7.0 | 0.026 | 13.9 | 233 |
| 2/11/2021 10:00 | 0.8 | 0.7 | 18,337.5 | 0 | 277.8 | 1,873.8 | 70.7 | 7.0 | 0.026 | 13.9 | 234 |
| 2/11/2021 10:01 | 0.8 | 0.7 | 18,337.5 | 0 | 278.1 | 1,873.8 | 70.7 | 7.1 | 0.026 | 13.9 | 234 |
| 2/11/2021 10:02 | 0.8 | 0.7 | 18,337.5 | 0 | 276.9 | 1,873.8 | 70.7 | 7.2 | 0.026 | 13.9 | 232 |
| 2/11/2021 10:03 | 0.8 | 0.7 | 18,315.0 | 0 | 276.4 | 1,871.5 | 70.8 | 7.2 | 0.026 | 13.9 | 231 |
| 2/11/2021 10:04 | 0.8 | 0.7 | 18,292.5 | 0 | 275.8 | 1,869.2 | 70.8 | 7.2 | 0.027 | 13.9 | 231 |
| 2/11/2021 10:05 | 0.8 | 0.7 | 18,292.5 | 0 | 276.0 | 1,869.2 | 70.9 | 7.2 | 0.026 | 13.9 | 231 |

| Date/Time | 4B: CO_HRSG (PPM) Raw Value | 4B: CO_HRSG_C15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GAS_DB_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_HRSG_C15 (PPM) Raw Value | 4B: NOX_RT (LBMMBTU) Raw Value | 4B: O2_HRSG (PCT) Raw Value | 4B: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 10:06 | 0.8 | 0.7 | 18,315.0 | 0 | 276.6 | 1,871.5 | 70.9 | 7.0 | 0.026 | 13.9 | 232 |
| 2/11/2021 10:07 | 0.8 | 0.7 | 18,292.5 | 0 | 276.5 | 1,869.2 | 70.9 | 7.0 | 0.026 | 13.9 | 232 |
| 2/11/2021 10:08 | 0.8 | 0.7 | 18,270.0 | 0 | 276.7 | 1,866.9 | 70.9 | 7.0 | 0.026 | 13.9 | 233 |
| 2/11/2021 10:09 | 0.8 | 0.7 | 18,292.5 | 0 | 276.5 | 1,869.2 | 70.9 | 7.1 | 0.026 | 13.9 | 233 |
| 2/11/2021 10:10 | 0.8 | 0.7 | 18,292.5 | 0 | 276.5 | 1,869.2 | 70.7 | 7.1 | 0.026 | 13.9 | 233 |
| 2/11/2021 10:11 | 0.8 | 0.7 | 18,292.5 | 0 | 276.5 | 1,869.2 | 70.7 | 7.1 | 0.026 | 13.9 | 232 |
| 2/11/2021 10:12 | 0.8 | 0.7 | 18,292.5 | 0 | 276.7 | 1,869.2 | 70.6 | 7.2 | 0.026 | 13.9 | 233 |
| 2/11/2021 10:13 | 0.8 | 0.7 | 18,292.5 | 0 | 276.4 | 1,869.2 | 70.6 | 7.2 | 0.026 | 13.9 | 232 |
| 2/11/2021 10:14 | 0.8 | 0.7 | 18,315.0 | 0 | 276.5 | 1,871.5 | 70.6 | 7.2 | 0.027 | 13.9 | 232 |
| 2/11/2021 10:15 | 0.8 | 0.7 | 18,315.0 | 0 | 276.7 | 1,871.5 | 70.6 | 7.2 | 0.027 | 13.9 | 233 |
| 2/11/2021 10:16 | 0.8 | 0.7 | 18,292.5 | 0 | 276.2 | 1,869.2 | 70.6 | 7.2 | 0.026 | 13.9 | 232 |
| 2/11/2021 10:17 | 0.8 | 0.7 | 18,292.5 | 0 | 276.1 | 1,869.2 | 70.6 | 7.1 | 0.026 | 13.9 | 231 |
| 2/11/2021 10:18 | 0.8 | 0.7 | 18,292.5 | 0 | 275.5 | 1,869.2 | 70.7 | 6.8 | 0.025 | 13.9 | 230 |
| 2/11/2021 10:19 | 0.8 | 0.7 | 18,292.5 | 0 | 275.5 | 1,869.2 | 70.7 | 6.9 | 0.025 | 13.9 | 230 |
| 2/11/2021 10:20 | 0.8 | 0.7 | 18,292.5 | 0 | 275.4 | 1,869.2 | 70.7 | 7.0 | 0.026 | 13.9 | 230 |
| 2/11/2021 10:21 | 0.8 | 0.7 | 18,315.0 | 0 | 275.5 | 1,871.5 | 70.8 | 7.2 | 0.026 | 13.9 | 230 |
| 2/11/2021 10:22 | 0.8 | 0.7 | 18,270.0 | 0 | 275.4 | 1,866.9 | 70.8 | 7.3 | 0.027 | 13.9 | 230 |
| 2/11/2021 10:23 | 0.8 | 0.7 | 18,270.0 | 0 | 275.6 | 1,866.9 | 70.9 | 7.2 | 0.027 | 13.9 | 231 |
| 2/11/2021 10:24 | 0.8 | 0.7 | 18,292.5 | 0 | 275.2 | 1,869.2 | 70.9 | 7.0 | 0.026 | 13.9 | 230 |
| 2/11/2021 10:25 | 0.8 | 0.7 | 18,292.5 | 0 | 275.0 | 1,869.2 | 70.9 | 7.0 | 0.026 | 13.9 | 229.6 |
| 2/11/2021 10:26 | 0.8 | 0.7 | 18,292.5 | 0 | 275.0 | 1,869.2 | 70.9 | 7.1 | 0.026 | 13.9 | 229.9 |
| 2/11/2021 10:27 | 0.8 | 0.7 | 18,292.5 | 0 | 275.5 | 1,869.2 | 70.9 | 7.2 | 0.026 | 13.9 | 230.6 |
| 2/11/2021 10:28 | 0.7 | 0.6 | 18,292.5 | 0 | 275.5 | 1,869.2 | 71.0 | 7.2 | 0.026 | 13.9 | 230.9 |
| 2/11/2021 10:29 | 0.8 | 0.7 | 18,292.5 | 0 | 275.6 | 1,869.2 | 71.1 | 7.2 | 0.026 | 13.9 | 231.3 |
| 2/11/2021 10:30 | 0.8 | 0.7 | 18,270.0 | 0 | 275.1 | 1,866.9 | 71.2 | 7.2 | 0.026 | 13.9 | 231 |
| 2/11/2021 10:31 | 0.8 | 0.7 | 18,247.5 | 0 | 274.7 | 1,864.6 | 71.3 | 7.1 | 0.026 | 13.9 | 230.4 |
| 2/11/2021 10:32 | 0.8 | 0.7 | 18,225.0 | 0 | 274.5 | 1,862.3 | 71.4 | 7.0 | 0.026 | 13.9 | 230.2 |
| 2/11/2021 10:33 | 0.8 | 0.7 | 18,225.0 | 0 | 274.4 | 1,862.3 | 71.5 | 7.1 | 0.026 | 13.9 | 230.2 |
| 2/11/2021 10:34 | 0.8 | 0.7 | 18,180.0 | 0 | 273.9 | 1,857.7 | 71.7 | 7.2 | 0.026 | 13.9 | 229.9 |
| 2/11/2021 10:35 | 0.8 | 0.7 | 18,202.5 | 0 | 273.6 | 1,860.0 | 71.8 | 7.2 | 0.026 | 13.9 | 229 |
| 2/11/2021 10:36 | 0.8 | 0.7 | 18,180.0 | 0 | 272.8 | 1,857.7 | 71.9 | 7.0 | 0.026 | 13.9 | 227.3 |
| 2/11/2021 10:37 | 0.8 | 0.7 | 18,225.0 | 0 | 271.6 | 1,862.3 | 72.1 | 7.0 | 0.026 | 13.9 | 224.6 |
| 2/11/2021 10:38 | 0.8 | 0.7 | 18,270.0 | 0 | 271.8 | 1,866.9 | 72.1 | 7.0 | 0.026 | 13.9 | 224.3 |
| 2/11/2021 10:39 | 0.8 | 0.7 | 18,225.0 | 0 | 272.0 | 1,862.3 | 72.2 | 7.2 | 0.026 | 13.9 | 225.1 |
| 2/11/2021 10:40 | 0.8 | 0.7 | 18,225.0 | 0 | 273.4 | 1,862.3 | 72.3 | 7.2 | 0.027 | 13.9 | 229.3 |
| 2/11/2021 10:41 | 0.7 | 0.6 | 18,202.5 | 0 | 273.5 | 1,860.0 | 72.4 | 7.0 | 0.026 | 13.9 | 230.4 |
| 2/11/2021 10:42 | 0.8 | 0.7 | 18,202.5 | 0 | 272.6 | 1,860.0 | 72.5 | 6.9 | 0.025 | 13.9 | 228.1 |
| 2/11/2021 10:43 | 0.8 | 0.7 | 18,157.5 | 0 | 272.4 | 1,855.4 | 72.6 | 6.9 | 0.025 | 13.9 | 227.9 |
| 2/11/2021 10:44 | 0.8 | 0.7 | 18,157.5 | 0 | 271.9 | 1,855.4 | 72.7 | 7.0 | 0.026 | 13.9 | 227.1 |
| 2/11/2021 10:45 | 0.8 | 0.7 | 18,135.0 | 0 | 271.4 | 1,853.1 | 72.7 | 7.0 | 0.026 | 13.9 | 226 |
| 2/11/2021 10:46 | 0.8 | 0.7 | 18,135.0 | 0 | 271.3 | 1,853.1 | 72.8 | 6.9 | 0.025 | 13.9 | 226.1 |
| 2/11/2021 10:47 | 0.8 | 0.7 | 18,135.0 | 0 | 272.1 | 1,853.1 | 72.9 | 7.1 | 0.026 | 13.9 | 228 |
| 2/11/2021 10:48 | 0.8 | 0.7 | 18,157.5 | 0 | 271.9 | 1,855.4 | 72.9 | 7.2 | 0.026 | 13.9 | 227.3 |
| 2/11/2021 10:49 | 0.8 | 0.7 | 18,157.5 | 0 | 271.6 | 1,855.4 | 72.9 | 7.2 | 0.026 | 13.9 | 226.6 |
| 2/11/2021 10:50 | 0.8 | 0.7 | 18,157.5 | 0 | 272.0 | 1,855.4 | 72.9 | 7.2 | 0.026 | 13.9 | 227.4 |
| 2/11/2021 10:51 | 0.8 | 0.7 | 18,180.0 | 0 | 271.6 | 1,857.7 | 73.0 | 7.0 | 0.026 | 13.9 | 226.1 |
| 2/11/2021 10:52 | 0.8 | 0.7 | 18,157.5 | 0 | 271.2 | 1,855.4 | 73.0 | 7.1 | 0.026 | 13.9 | 225.8 |
| 2/11/2021 10:53 | 0.7 | 0.6 | 18,157.5 | 0 | 270.9 | 1,855.4 | 73.1 | 7.2 | 0.026 | 13.9 | 225.4 |
| 2/11/2021 10:54 | 0.8 | 0.7 | 18,157.5 | 0 | 271.1 | 1,855.4 | 73.2 | 7.1 | 0.026 | 13.9 | 225.7 |
| 2/11/2021 10:55 | 0.8 | 0.7 | 18,180.0 | 0 | 271.1 | 1,857.7 | 73.3 | 7.1 | 0.026 | 13.9 | 225.4 |
| 2/11/2021 10:56 | 0.8 | 0.7 | 18,202.5 | 0 | 271.3 | 1,860.0 | 73.3 | 7.1 | 0.026 | 13.9 | 225.4 |

| Date/Time | 4B: CO_HRSG (PPM) Raw Value | 4B: CO_HRSG_C15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GAS_DB_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_HRSG_C15 (PPM) Raw Value | 4B: NOX_RT (LBMMBTU) Raw Value | 4B: O2_HRSG (PCT) Raw Value | 4B: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 10:57 | 0.7 | 0.6 | 18,135.0 | 0 | 270.2 | 1,853.1 | 73.3 | 7.2 | 0.027 | 13.9 | 224.7 |
| 2/11/2021 10:58 | 0.8 | 0.7 | 18,112.5 | 0 | 270.9 | 1,850.8 | 73.3 | 7.1 | 0.026 | 13.9 | 225.9 |
| 2/11/2021 10:59 | 0.8 | 0.7 | 18,135.0 | 0 | 271.1 | 1,853.1 | 73.4 | 7.0 | 0.026 | 13.9 | 226.9 |
| 2/11/2021 11:00 | 0.8 | 0.7 | 18,135.0 | 0 | 271.9 | 1,853.1 | 73.4 | 7.0 | 0.026 | 13.9 | 228.1 |
| 2/11/2021 11:01 | 0.7 | 0.6 | 18,112.5 | 0 | 271.4 | 1,850.8 | 73.5 | 7.2 | 0.026 | 13.9 | 228 |
| 2/11/2021 11:02 | 0.7 | 0.6 | 18,157.5 | 0 | 271.3 | 1,855.4 | 73.6 | 7.2 | 0.026 | 13.9 | 226.8 |
| 2/11/2021 11:03 | 0.7 | 0.6 | 18,157.5 | 0 | 271.7 | 1,855.4 | 73.6 | 7.1 | 0.026 | 13.9 | 227.7 |
| 2/11/2021 11:04 | 0.8 | 0.7 | 18,180.0 | 0 | 271.5 | 1,857.7 | 73.7 | 7.2 | 0.026 | 13.9 | 227.2 |
| 2/11/2021 11:05 | 0.8 | 0.7 | 18,157.5 | 0 | 271.4 | 1,855.4 | 73.7 | 7.2 | 0.026 | 13.9 | 226.7 |
| 2/11/2021 11:06 | 0.7 | 0.6 | 18,135.0 | 0 | 271.2 | 1,853.1 | 73.8 | 7.2 | 0.026 | 13.9 | 226.7 |
| 2/11/2021 11:07 | 0.8 | 0.7 | 18,112.5 | 0 | 270.6 | 1,850.8 | 73.8 | 7.2 | 0.027 | 13.9 | 226.5 |
| 2/11/2021 11:08 | 0.8 | 0.7 | 18,090.0 | 0 | 270.3 | 1,848.5 | 73.8 | 7.1 | 0.026 | 13.9 | 225.8 |
| 2/11/2021 11:09 | 0.7 | 0.6 | 18,090.0 | 0 | 269.7 | 1,848.5 | 73.8 | 7.0 | 0.026 | 13.9 | 224.4 |
| 2/11/2021 11:10 | 0.7 | 0.6 | 18,090.0 | 0 | 269.6 | 1,848.5 | 73.8 | 7.1 | 0.026 | 13.9 | 224 |
| 2/11/2021 11:11 | 0.8 | 0.7 | 18,112.5 | 0 | 270.1 | 1,850.8 | 74.0 | 7.0 | 0.026 | 13.9 | 225.5 |
| 2/11/2021 11:12 | 0.8 | 0.7 | 18,135.0 | 0 | 270.0 | 1,853.1 | 74.0 | 7.0 | 0.026 | 13.9 | 224.8 |
| 2/11/2021 11:13 | 0.8 | 0.7 | 18,135.0 | 0 | 269.6 | 1,853.1 | 74.1 | 7.1 | 0.026 | 13.9 | 224.1 |
| 2/11/2021 11:14 | 0.8 | 0.7 | 18,090.0 | 0 | 268.9 | 1,848.5 | 74.1 | 7.1 | 0.026 | 13.9 | 222.2 |
| 2/11/2021 11:15 | 0.8 | 0.7 | 18,112.5 | 0 | 268.6 | 1,850.8 | 74.1 | 7.1 | 0.026 | 13.9 | 221.3 |
| 2/11/2021 11:16 | 0.8 | 0.7 | 18,157.5 | 0 | 269.4 | 1,855.4 | 74.1 | 7.2 | 0.026 | 13.9 | 222.8 |
| 2/11/2021 11:17 | 0.7 | 0.6 | 18,090.0 | 0 | 270.0 | 1,848.5 | 74.2 | 7.2 | 0.027 | 13.9 | 224.8 |
| 2/11/2021 11:18 | 0.7 | 0.6 | 18,180.0 | 0 | 269.6 | 1,857.7 | 74.2 | 7.2 | 0.026 | 13.9 | 223.9 |
| 2/11/2021 11:19 | 0.7 | 0.6 | 18,090.0 | 0 | 269.3 | 1,848.5 | 74.3 | 7.1 | 0.026 | 13.9 | 223.6 |
| 2/11/2021 11:20 | 0.7 | 0.6 | 18,067.5 | 0 | 268.5 | 1,846.2 | 74.4 | 7.0 | 0.026 | 13.9 | 222.7 |
| 2/11/2021 11:21 | 0.8 | 0.7 | 18,112.5 | 0 | 268.3 | 1,850.8 | 74.4 | 7.0 | 0.026 | 13.9 | 221.8 |
| 2/11/2021 11:22 | 0.8 | 0.7 | 18,090.0 | 0 | 267.5 | 1,848.5 | 74.5 | 7.0 | 0.026 | 13.9 | 220.7 |
| 2/11/2021 11:23 | 0.8 | 0.7 | 18,067.5 | 0 | 267.4 | 1,846.2 | 74.6 | 6.9 | 0.025 | 13.9 | 220.4 |
| 2/11/2021 11:24 | 0.8 | 0.7 | 18,045.0 | 0 | 267.4 | 1,843.9 | 74.7 | 7.0 | 0.026 | 13.9 | 220.7 |
| 2/11/2021 11:25 | 0.7 | 0.6 | 18,067.5 | 0 | 268.0 | 1,846.2 | 74.7 | 6.9 | 0.025 | 13.9 | 221.8 |
| 2/11/2021 11:26 | 0.7 | 0.6 | 18,067.5 | 0 | 268.4 | 1,846.2 | 74.8 | 7.0 | 0.026 | 13.9 | 222.6 |
| 2/11/2021 11:27 | 0.8 | 0.7 | 18,112.5 | 0 | 268.2 | 1,850.8 | 74.9 | 7.2 | 0.026 | 13.9 | 222.3 |
| 2/11/2021 11:28 | 0.8 | 0.7 | 18,090.0 | 0 | 267.9 | 1,848.5 | 75.0 | 7.0 | 0.026 | 13.9 | 221.6 |
| 2/11/2021 11:29 | 0.8 | 0.7 | 18,157.5 | 0 | 267.1 | 1,855.4 | 75.0 | 7.2 | 0.026 | 13.9 | 220 |
| 2/11/2021 11:30 | 0.8 | 0.7 | 18,067.5 | 0 | 267.0 | 1,846.2 | 75.2 | 7.2 | 0.026 | 13.9 | 220 |
| 2/11/2021 11:31 | 0.7 | 0.6 | 18,067.5 | 0 | 266.1 | 1,846.2 | 75.3 | 7.1 | 0.026 | 13.9 | 219 |
| 2/11/2021 11:32 | 0.8 | 0.7 | 18,067.5 | 0 | 266.1 | 1,846.2 | 75.4 | 7.0 | 0.026 | 13.9 | 219 |
| 2/11/2021 11:33 | 0.8 | 0.7 | 18,022.5 | 0 | 265.9 | 1,841.6 | 75.5 | 7.0 | 0.026 | 13.9 | 219 |
| 2/11/2021 11:34 | 0.8 | 0.7 | 18,022.5 | 0 | 265.5 | 1,841.6 | 75.6 | 7.1 | 0.026 | 13.9 | 218 |
| 2/11/2021 11:35 | 0.8 | 0.7 | 18,022.5 | 0 | 265.3 | 1,841.6 | 75.7 | 6.9 | 0.025 | 13.9 | 218 |
| 2/11/2021 11:36 | 0.8 | 0.7 | 18,000.0 | 0 | 264.6 | 1,839.3 | 75.8 | 7.0 | 0.026 | 13.9 | 217 |
| 2/11/2021 11:37 | 0.8 | 0.7 | 18,022.5 | 0 | 264.6 | 1,841.6 | 75.8 | 6.9 | 0.025 | 13.9 | 217 |
| 2/11/2021 11:38 | 0.8 | 0.7 | 17,977.5 | 0 | 264.8 | 1,837.0 | 75.9 | 6.9 | 0.025 | 13.9 | 217 |
| 2/11/2021 11:39 | 0.7 | 0.6 | 18,022.5 | 0 | 265.1 | 1,841.6 | 75.9 | 6.9 | 0.025 | 13.9 | 218 |
| 2/11/2021 11:40 | 0.7 | 0.6 | 18,022.5 | 0 | 265.4 | 1,841.6 | 76.0 | 7.1 | 0.026 | 13.9 | 219 |
| 2/11/2021 11:41 | 0.7 | 0.6 | 18,045.0 | 0 | 264.7 | 1,843.9 | 76.1 | 7.2 | 0.026 | 13.9 | 217 |
| 2/11/2021 11:42 | 0.7 | 0.6 | 18,022.5 | 0 | 263.3 | 1,841.6 | 76.1 | 7.2 | 0.026 | 13.9 | 214 |
| 2/11/2021 11:43 | 0.8 | 0.7 | 18,022.5 | 0 | 263.0 | 1,841.6 | 76.2 | 7.0 | 0.026 | 13.9 | 213 |
| 2/11/2021 11:44 | 0.8 | 0.7 | 18,022.5 | 0 | 263.4 | 1,841.6 | 76.3 | 7.2 | 0.026 | 13.9 | 215 |
| 2/11/2021 11:45 | 0.8 | 0.7 | 18,022.5 | 0 | 263.8 | 1,841.6 | 76.4 | 7.0 | 0.026 | 13.9 | 216 |
| 2/11/2021 11:46 | 0.7 | 0.6 | 18,000.0 | 0 | 263.4 | 1,839.3 | 76.4 | 6.9 | 0.025 | 13.9 | 216 |
| 2/11/2021 11:47 | 0.7 | 0.6 | 18,000.0 | 0 | 263.2 | 1,839.3 | 76.5 | 6.8 | 0.025 | 13.9 | 216 |

| Date/Time | 4B: CO_HRSG (PPM) Raw Value | 4B: CO_HRSG_C15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GAS_DB_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_HRSG_C15 (PPM) Raw Value | 4B: NOX_RT (LBMMBTU) Raw Value | 4B: O2_HRSG (PCT) Raw Value | 4B: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 11:48 | 0.8 | 0.7 | 17,977.5 | 0 | 263.1 | 1,837.0 | 76.5 | 6.8 | 0.025 | 13.9 | 216 |
| 2/11/2021 11:49 | 0.7 | 0.6 | 17,977.5 | 0 | 264.0 | 1,837.0 | 76.6 | 7.1 | 0.026 | 13.9 | 217 |
| 2/11/2021 11:50 | 0.8 | 0.7 | 18,022.5 | 0 | 263.9 | 1,841.6 | 76.6 | 7.0 | 0.026 | 13.9 | 217 |
| 2/11/2021 11:51 | 0.7 | 0.6 | 17,955.0 | 0 | 263.5 | 1,834.7 | 76.6 | 7.0 | 0.026 | 13.9 | 216 |
| 2/11/2021 11:52 | 0.7 | 0.6 | 17,977.5 | 0 | 262.9 | 1,837.0 | 76.6 | 7.1 | 0.026 | 13.9 | 216 |
| 2/11/2021 11:53 | 0.7 | 0.6 | 17,977.5 | 0 | 263.1 | 1,837.0 | 76.7 | 7.1 | 0.026 | 13.9 | 216 |
| 2/11/2021 11:54 | 0.7 | 0.6 | 17,955.0 | 0 | 262.8 | 1,834.7 | 76.7 | 7.0 | 0.026 | 13.9 | 216 |
| 2/11/2021 11:55 | 0.7 | 0.6 | 17,977.5 | 0 | 262.2 | 1,837.0 | 76.8 | 7.2 | 0.026 | 13.9 | 214 |
| 2/11/2021 11:56 | 0.7 | 0.6 | 17,977.5 | 0 | 261.6 | 1,837.0 | 76.9 | 7.0 | 0.026 | 13.9 | 213 |
| 2/11/2021 11:57 | 0.7 | 0.6 | 17,955.0 | 0 | 260.2 | 1,834.7 | 77.0 | 7.2 | 0.026 | 13.9 | 210 |
| 2/11/2021 11:58 | 0.8 | 0.7 | 17,932.5 | 0 | 258.7 | 1,832.4 | 77.0 | 7.1 | 0.026 | 13.9 | 207 |
| 2/11/2021 11:59 | 0.8 | 0.7 | 17,955.0 | 0 | 258.2 | 1,834.7 | 77.0 | 7.0 | 0.026 | 13.9 | 206 |
| 2/11/2021 12:00 | 0.8 | 0.7 | 17,910.0 | 0 | 257.1 | 1,830.1 | 77.2 | 7.1 | 0.026 | 13.9 | 204 |
| 2/11/2021 12:01 | 0.7 | 0.6 | 17,932.5 | 0 | 256.9 | 1,832.4 | 77.2 | 7.0 | 0.026 | 13.9 | 203 |
| 2/11/2021 12:02 | 0.8 | 0.7 | 17,932.5 | 0 | 256.8 | 1,832.4 | 77.3 | 7.0 | 0.026 | 13.9 | 203 |
| 2/11/2021 12:03 | 0.8 | 0.7 | 17,955.0 | 0 | 256.8 | 1,834.7 | 77.3 | 7.0 | 0.026 | 13.9 | 202 |
| 2/11/2021 12:04 | 0.7 | 0.6 | 17,932.5 | 0 | 256.7 | 1,832.4 | 77.4 | 7.2 | 0.027 | 13.9 | 201 |
| 2/11/2021 12:05 | 0.7 | 0.6 | 17,932.5 | 0 | 257.1 | 1,832.4 | 77.5 | 7.0 | 0.026 | 13.9 | 203 |
| 2/11/2021 12:06 | 0.7 | 0.6 | 17,955.0 | 0 | 257.4 | 1,834.7 | 77.5 | 7.1 | 0.026 | 13.9 | 203 |
| 2/11/2021 12:07 | 0.7 | 0.6 | 17,955.0 | 0 | 257.4 | 1,834.7 | 77.5 | 7.1 | 0.026 | 13.9 | 203 |
| 2/11/2021 12:08 | 0.7 | 0.6 | 17,932.5 | 0 | 258.0 | 1,832.4 | 77.6 | 7.2 | 0.026 | 13.9 | 204 |
| 2/11/2021 12:09 | 0.7 | 0.6 | 17,932.5 | 0 | 258.0 | 1,832.4 | 77.6 | 7.0 | 0.026 | 13.9 | 204 |
| 2/11/2021 12:10 | 0.7 | 0.6 | 17,932.5 | 0 | 257.9 | 1,832.4 | 77.6 | 7.1 | 0.026 | 13.9 | 204 |
| 2/11/2021 12:11 | 0.7 | 0.6 | 17,910.0 | 0 | 257.6 | 1,830.1 | 77.6 | 7.1 | 0.026 | 13.9 | 204 |
| 2/11/2021 12:12 | 0.8 | 0.7 | 17,932.5 | 0 | 257.5 | 1,832.4 | 77.6 | 6.9 | 0.025 | 13.9 | 204 |
| 2/11/2021 12:13 | 0.7 | 0.6 | 17,887.5 | 0 | 256.3 | 1,827.8 | 77.6 | 7.0 | 0.026 | 13.9 | 201 |
| 2/11/2021 12:14 | 0.7 | 0.6 | 17,887.5 | 0 | 253.4 | 1,827.8 | 77.6 | 6.9 | 0.025 | 13.9 | 194 |
| 2/11/2021 12:15 | 0.8 | 0.7 | 17,887.5 | 0 | 251.9 | 1,827.8 | 77.6 | 6.9 | 0.025 | 13.9 | 189 |
| 2/11/2021 12:16 | 0.7 | 0.6 | 17,910.0 | 0 | 251.1 | 1,830.1 | 77.6 | 7.0 | 0.026 | 13.9 | 186 |
| 2/11/2021 12:17 | 0.7 | 0.6 | 17,910.0 | 0 | 251.7 | 1,830.1 | 77.7 | 6.9 | 0.025 | 13.9 | 187 |
| 2/11/2021 12:18 | 0.7 | 0.6 | 17,910.0 | 0 | 251.6 | 1,830.1 | 77.7 | 7.0 | 0.026 | 13.9 | 186 |
| 2/11/2021 12:19 | 0.7 | 0.6 | 17,932.5 | 0 | 255.3 | 1,832.4 | 77.7 | 7.0 | 0.026 | 13.9 | 192 |
| 2/11/2021 12:20 | 0.7 | 0.6 | 17,887.5 | 0 | 259.7 | 1,827.8 | 77.7 | 7.1 | 0.026 | 13.9 | 205 |
| 2/11/2021 12:21 | 0.7 | 0.6 | 17,977.5 | 0 | 262.2 | 1,837.0 | 77.5 | 7.1 | 0.026 | 13.9 | 211 |
| 2/11/2021 12:22 | 0.7 | 0.6 | 17,955.0 | 0 | 262.9 | 1,834.7 | 77.5 | 7.1 | 0.026 | 13.9 | 215 |
| 2/11/2021 12:23 | 0.7 | 0.6 | 17,932.5 | 0 | 262.6 | 1,832.4 | 77.3 | 7.2 | 0.026 | 13.9 | 215 |
| 2/11/2021 12:24 | 0.7 | 0.6 | 17,955.0 | 0 | 262.4 | 1,834.7 | 77.3 | 7.0 | 0.026 | 13.9 | 215 |
| 2/11/2021 12:25 | 0.7 | 0.6 | 17,955.0 | 0 | 261.8 | 1,834.7 | 77.2 | 6.9 | 0.025 | 13.9 | 214 |
| 2/11/2021 12:26 | 0.7 | 0.6 | 17,955.0 | 0 | 258.5 | 1,834.7 | 77.1 | 6.9 | 0.025 | 13.9 | 206 |
| 2/11/2021 12:27 | 0.7 | 0.6 | 17,955.0 | 0 | 256.8 | 1,834.7 | 77.0 | 6.9 | 0.025 | 13.9 | 201 |
| 2/11/2021 12:28 | 0.7 | 0.6 | 17,955.0 | 0 | 255.8 | 1,834.7 | 77.0 | 6.9 | 0.025 | 13.9 | 197 |
| 2/11/2021 12:29 | 0.7 | 0.6 | 17,955.0 | 0 | 258.0 | 1,834.7 | 76.9 | 7.0 | 0.026 | 13.9 | 202 |
| 2/11/2021 12:30 | 0.7 | 0.6 | 17,977.5 | 0 | 260.0 | 1,837.0 | 76.9 | 6.9 | 0.025 | 13.9 | 207 |

# Unit 4B Bypass

**Bartow - 4B Bypass Stack (*EU -039*)** **RATA Data**

**February 11, 2021**

| Run | Start | End | CO | CO @ 15% | CT Gas Flow | Unit Load | Heat Input (HHV) | Compressor Inlet Temp | NOx @ 15% | NOx Rate | $O_2$ | Average Heat Input (HHV) | Average Inlet Temp | Permit CT Heat Input (HHV) | Permit CT Heat Input at Inlet Temp (HHV) | CT Capacity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *ppm* | *ppm@15% $O_2$* | *HSCF* | *MW* | *mmBtu/hr* | *°F* | *ppm@15% $O_2$* | *lb/mmBtu* | *%* | *mmBtu/hr* | *°F* | *mmBtu/hr @59°F* | *mmBtu/hr* | *%* |
| 1 | 2:55 PM | 3:16 PM | 0.1 | 0.1 | 17,844.6 | 170.2 | 1,823.4 | 79.4 | 8.2 | 0.030 | 13.9 | | | | | |
| 2 | 3:27 PM | 3:48 PM | 0.1 | 0.1 | 17,846.8 | 170.1 | 1,823.6 | 79.3 | 7.7 | 0.029 | 13.9 | 1,825 | 79.2 | | 1,862 | 98% |
| 3 | 3:58 PM | 4:19 PM | 0.1 | 0.1 | 17,881.1 | 170.4 | 1,827.1 | 78.9 | 7.5 | 0.028 | 13.9 | | | | | |
| 4 | 4:29 PM | 4:50 PM | 0.1 | 0.1 | 17,829.6 | 170.0 | 1,821.9 | 78.8 | 7.5 | 0.028 | 13.9 | | | | | |
| 5 | 4:59 PM | 5:20 PM | 0.1 | 0.1 | 17,921.8 | 170.9 | 1,831.3 | 77.9 | 7.5 | 0.028 | 13.9 | 1,830 | 78.0 | 1,972 | 1,869 | 98% |
| 6 | 5:28 PM | 5:49 PM | 0.1 | 0.1 | 17,961.4 | 171.4 | 1,835.4 | 77.1 | 7.5 | 0.028 | 13.9 | | | | | |
| 7 | 5:57 PM | 6:18 PM | 0.1 | 0.1 | 18,001.1 | 172.2 | 1,839.4 | 76.0 | 7.5 | 0.028 | 13.9 | | | | | |
| 8 | 6:26 PM | 6:47 PM | 0.1 | 0.1 | 18,055.7 | 173.0 | 1,845.0 | 74.9 | 7.5 | 0.028 | 13.9 | 1,845 | 75.0 | | 1,886 | 98% |
| 9 | 6:55 PM | 7:16 PM | 0.1 | 0.1 | 18,112.5 | 173.8 | 1,850.8 | 74.1 | 7.5 | 0.028 | 13.9 | | | | | |
| | | **Average** | **0.1** | **0.1** | **17,939.4** | **171.3** | **1,833.1** | **77.4** | **7.6** | **0.028** | **13.9** | **1,833** | **77.4** | | **1,872** | **98%** |

| Date/Time | 4B: CO_BYP (PPM) Raw Value | 4B: CO_BYP_C 15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_BYP_C 15 (PPM) Raw Value | 4B: NOX_RT (LBMMBTU) Raw Value | 4B: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 14:55 | 0.2 | 0.2 | 17,865.0 | 170.6 | 1,825.5 | 79.2 | 8 | 0.029 | 13.9 |
| 2/11/2021 14:56 | 0.1 | 0.1 | 17,842.5 | 170.2 | 1,823.2 | 79.2 | 8 | 0.029 | 13.9 |
| 2/11/2021 14:57 | 0.1 | 0.1 | 17,842.5 | 170.2 | 1,823.2 | 79.3 | 8.1 | 0.03 | 13.9 |
| 2/11/2021 14:58 | 0.1 | 0.1 | 17,842.5 | 170.3 | 1,823.2 | 79.5 | 8.1 | 0.03 | 13.9 |
| 2/11/2021 14:59 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 79.5 | 8.2 | 0.03 | 13.9 |
| 2/11/2021 15:00 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 79.5 | 8.2 | 0.03 | 13.9 |
| 2/11/2021 15:01 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 79.5 | 8.2 | 0.03 | 13.9 |
| 2/11/2021 15:02 | 0.1 | 0.1 | 17,865.0 | 170.5 | 1,825.5 | 79.5 | 8.3 | 0.031 | 13.9 |
| 2/11/2021 15:03 | 0.1 | 0.1 | 17,842.5 | 170.4 | 1,823.2 | 79.4 | 8.4 | 0.031 | 13.9 |
| 2/11/2021 15:04 | 0.1 | 0.1 | 17,865.0 | 170.5 | 1,825.5 | 79.3 | 8.4 | 0.031 | 13.9 |
| 2/11/2021 15:05 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 79.3 | 8.6 | 0.032 | 13.9 |
| 2/11/2021 15:06 | 0.1 | 0.1 | 17,842.5 | 170.3 | 1,823.2 | 79.4 | 8.4 | 0.031 | 13.9 |
| 2/11/2021 15:07 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.4 | 8.6 | 0.032 | 13.9 |
| 2/11/2021 15:08 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 79.3 | 8.4 | 0.031 | 13.9 |
| 2/11/2021 15:09 | 0.1 | 0.1 | 17,797.5 | 169.6 | 1,818.6 | 79.3 | 8.2 | 0.03 | 13.9 |
| 2/11/2021 15:10 | 0.1 | 0.1 | 17,820.0 | 170.0 | 1,820.9 | 79.3 | 8 | 0.029 | 13.9 |
| 2/11/2021 15:11 | 0.1 | 0.1 | 17,842.5 | 169.8 | 1,823.2 | 79.3 | 8.1 | 0.03 | 13.9 |
| 2/11/2021 15:12 | 0.2 | 0.2 | 17,820.0 | 169.7 | 1,820.9 | 79.3 | 8.1 | 0.03 | 13.9 |
| 2/11/2021 15:13 | 0.1 | 0.1 | 17,820.0 | 169.9 | 1,820.9 | 79.4 | 7.9 | 0.029 | 13.9 |
| 2/11/2021 15:14 | 0.1 | 0.1 | 17,797.5 | 169.7 | 1,818.6 | 79.6 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:15 | 0.1 | 0.1 | 17,820.0 | 169.8 | 1,820.9 | 79.6 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 15:16 | 0.1 | 0.1 | 17,820.0 | 169.6 | 1,820.9 | 79.6 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:17 | 0.1 | 0.1 | 17,797.5 | 169.5 | 1,818.6 | 79.7 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:18 | 0.1 | 0.1 | 17,820.0 | 169.6 | 1,820.9 | 79.7 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 15:19 | 0.1 | 0.1 | 17,797.5 | 169.7 | 1,818.6 | 79.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:20 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 79.9 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 15:21 | 0.1 | 0.1 | 17,865.0 | 170.1 | 1,825.5 | 79.7 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:22 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 79.6 | 7.9 | 0.029 | 13.9 |

| Date/Time | 4B: CO_BYP (PPM) Raw Value | 4B: CO_BYP_C 15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_BYP_C 15 (PPM) Raw Value | NOX_RT (LBMMBTU) Raw Value | 4B: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 15:23 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 79.4 | 8 | 0.029 | 13.9 |
| 2/11/2021 15:24 | 0.1 | 0.1 | 17,797.5 | 169.6 | 1,818.6 | 79.4 | 8.1 | 0.03 | 13.9 |
| 2/11/2021 15:25 | 0.1 | 0.1 | 17,842.5 | 169.8 | 1,823.2 | 79.4 | 8 | 0.029 | 13.9 |
| 2/11/2021 15:26 | 0.1 | 0.1 | 17,820.0 | 169.7 | 1,820.9 | 79.5 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:27 | 0.1 | 0.1 | 17,820.0 | 169.5 | 1,820.9 | 79.5 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:28 | 0.1 | 0.1 | 17,797.5 | 169.4 | 1,818.6 | 79.6 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:29 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 79.6 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 15:30 | 0.1 | 0.1 | 17,820.0 | 169.7 | 1,820.9 | 79.4 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 15:31 | 0.1 | 0.1 | 17,820.0 | 169.8 | 1,820.9 | 79.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:32 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 79.4 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 15:33 | 0.1 | 0.1 | 17,842.5 | 169.8 | 1,823.2 | 79.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:34 | 0.1 | 0.1 | 17,887.5 | 170.3 | 1,827.8 | 79.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:35 | 0.1 | 0.1 | 17,842.5 | 169.9 | 1,823.2 | 79.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:36 | 0.1 | 0.1 | 17,842.5 | 170.1 | 1,823.2 | 79.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:37 | 0.1 | 0.1 | 17,820.0 | 170.0 | 1,820.9 | 79.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:38 | 0.1 | 0.1 | 17,842.5 | 170.2 | 1,823.2 | 79.4 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:39 | 0.1 | 0.1 | 17,865.0 | 170.4 | 1,825.5 | 79.4 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:40 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.3 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:41 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.2 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:42 | 0.1 | 0.1 | 17,865.0 | 170.4 | 1,825.5 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:43 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:44 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:45 | 0.1 | 0.1 | 17,842.5 | 170.3 | 1,823.2 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:46 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:47 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:48 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:49 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 79.1 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 15:50 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 79.0 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 15:51 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 15:52 | 0.1 | 0.1 | 17,842.5 | 170.1 | 1,823.2 | 79.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:53 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 78.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:54 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 78.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:55 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 79.1 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 15:56 | 0.1 | 0.1 | 17,887.5 | 170.3 | 1,827.8 | 79.1 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 15:57 | 0.1 | 0.1 | 17,842.5 | 169.9 | 1,823.2 | 79.1 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:58 | 0.1 | 0.1 | 17,887.5 | 170.2 | 1,827.8 | 79.1 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 15:59 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 79.1 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:00 | 0.1 | 0.1 | 17,910.0 | 170.6 | 1,830.1 | 79.1 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:01 | 0 | 0 | 17,842.5 | 169.9 | 1,823.2 | 79.1 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 16:02 | 0.1 | 0.1 | 17,887.5 | 170.4 | 1,827.8 | 79.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:03 | 0.1 | 0.1 | 17,887.5 | 170.6 | 1,827.8 | 79.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:04 | 0.1 | 0.1 | 17,887.5 | 170.3 | 1,827.8 | 78.8 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:05 | 0.1 | 0.1 | 17,910.0 | 170.6 | 1,830.1 | 78.8 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 16:06 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 78.8 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:07 | 0.1 | 0.1 | 17,910.0 | 170.8 | 1,830.1 | 78.8 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:08 | 0.1 | 0.1 | 17,910.0 | 170.4 | 1,830.1 | 78.8 | 7.5 | 0.028 | 13.9 |

| Date/Time | 4B: CO_BYP (PPM) Raw Value | 4B: CO_BYP_C 15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_BYP_C 15 (PPM) Raw Value | NOX_RT (LBMMBTU) Raw Value | 4B: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 16:09 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 78.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:10 | 0.1 | 0.1 | 17,887.5 | 170.3 | 1,827.8 | 78.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:11 | 0.1 | 0.1 | 17,887.5 | 170.4 | 1,827.8 | 78.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:12 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 78.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:13 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 78.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:14 | 0.2 | 0.2 | 17,865.0 | 170.2 | 1,825.5 | 78.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:15 | 0.1 | 0.1 | 17,842.5 | 170.2 | 1,823.2 | 78.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:16 | 0.2 | 0.2 | 17,865.0 | 170.2 | 1,825.5 | 78.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:17 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:18 | 0.1 | 0.1 | 17,865.0 | 170.1 | 1,825.5 | 78.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:19 | 0.1 | 0.1 | 17,865.0 | 170.1 | 1,825.5 | 78.9 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 16:20 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:21 | 0.1 | 0.1 | 17,842.5 | 170.1 | 1,823.2 | 79.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:22 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 79.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:23 | 0.2 | 0.2 | 17,865.0 | 170.2 | 1,825.5 | 79.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:24 | 0.1 | 0.1 | 17,842.5 | 170.1 | 1,823.2 | 79.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:25 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 79.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:26 | 0.1 | 0.1 | 17,865.0 | 170.2 | 1,825.5 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:27 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 78.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:28 | 0.1 | 0.1 | 17,842.5 | 170.1 | 1,823.2 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:29 | 0.1 | 0.1 | 17,820.0 | 170.1 | 1,820.9 | 78.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:30 | 0.2 | 0.2 | 17,820.0 | 169.8 | 1,820.9 | 78.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:31 | 0.2 | 0.2 | 17,775.0 | 169.6 | 1,816.3 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:32 | 0.2 | 0.2 | 17,797.5 | 169.7 | 1,818.6 | 78.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:33 | 0.1 | 0.1 | 17,797.5 | 169.8 | 1,818.6 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:34 | 0.1 | 0.1 | 17,820.0 | 169.7 | 1,820.9 | 78.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:35 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 78.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:36 | 0.1 | 0.1 | 17,842.5 | 170.2 | 1,823.2 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:37 | 0.1 | 0.1 | 17,842.5 | 170.3 | 1,823.2 | 78.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:38 | 0.1 | 0.1 | 17,842.5 | 170.2 | 1,823.2 | 78.8 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:39 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 78.7 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 16:40 | 0.1 | 0.1 | 17,865.0 | 170.3 | 1,825.5 | 78.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:41 | 0.1 | 0.1 | 17,842.5 | 170.3 | 1,823.2 | 78.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:42 | 0.1 | 0.1 | 17,842.5 | 170.1 | 1,823.2 | 78.6 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 16:43 | 0.1 | 0.1 | 17,820.0 | 169.8 | 1,820.9 | 78.6 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 16:44 | 0.1 | 0.1 | 17,797.5 | 169.6 | 1,818.6 | 78.6 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:45 | 0.1 | 0.1 | 17,797.5 | 169.7 | 1,818.6 | 78.6 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:46 | 0.1 | 0.1 | 17,820.0 | 170.0 | 1,820.9 | 78.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:47 | 0.1 | 0.1 | 17,842.5 | 170.0 | 1,823.2 | 78.8 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:48 | 0.1 | 0.1 | 17,865.0 | 170.4 | 1,825.5 | 78.8 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:49 | 0.1 | 0.1 | 17,865.0 | 170.5 | 1,825.5 | 78.7 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:50 | 0.1 | 0.1 | 17,842.5 | 170.4 | 1,823.2 | 78.5 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:51 | 0.1 | 0.1 | 17,865.0 | 170.4 | 1,825.5 | 78.5 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 16:52 | 0.1 | 0.1 | 17,865.0 | 170.5 | 1,825.5 | 78.5 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 16:53 | 0.1 | 0.1 | 17,865.0 | 170.4 | 1,825.5 | 78.5 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 16:54 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 78.5 | 7.6 | 0.028 | 13.9 |

| Date/Time | 4B: CO_BYP (PPM) Raw Value | 4B: CO_BYP_C 15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_BYP_C 15 (PPM) Raw Value | NOX_RT (LBMMBTU) Raw Value | 4B: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 16:55 | 0.1 | 0.1 | 17,887.5 | 170.4 | 1,827.8 | 78.5 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:56 | 0.1 | 0.1 | 17,842.5 | 170.3 | 1,823.2 | 78.4 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 16:57 | 0.1 | 0.1 | 17,865.0 | 170.4 | 1,825.5 | 78.3 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 16:58 | 0.1 | 0.1 | 17,842.5 | 170.3 | 1,823.2 | 78.3 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 16:59 | 0.1 | 0.1 | 17,887.5 | 170.5 | 1,827.8 | 78.3 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:00 | 0.1 | 0.1 | 17,932.5 | 170.8 | 1,832.4 | 78.2 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:01 | 0.1 | 0.1 | 17,910.0 | 170.9 | 1,830.1 | 78.2 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:02 | 0.1 | 0.1 | 17,910.0 | 170.9 | 1,830.1 | 78.1 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:03 | 0.1 | 0.1 | 17,887.5 | 170.9 | 1,827.8 | 78.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:04 | 0.1 | 0.1 | 17,932.5 | 171.0 | 1,832.4 | 78.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:05 | 0.1 | 0.1 | 17,932.5 | 171.1 | 1,832.4 | 78.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:06 | 0.1 | 0.1 | 17,932.5 | 171.1 | 1,832.4 | 78.0 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:07 | 0.1 | 0.1 | 17,887.5 | 170.6 | 1,827.8 | 78.0 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:08 | 0.1 | 0.1 | 17,910.0 | 170.8 | 1,830.1 | 77.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:09 | 0.1 | 0.1 | 17,910.0 | 170.8 | 1,830.1 | 77.9 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 17:10 | 0.1 | 0.1 | 17,887.5 | 170.4 | 1,827.8 | 77.9 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 17:11 | 0.1 | 0.1 | 17,910.0 | 170.8 | 1,830.1 | 77.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:12 | 0.1 | 0.1 | 17,910.0 | 170.9 | 1,830.1 | 77.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:13 | 0.1 | 0.1 | 17,932.5 | 171.0 | 1,832.4 | 77.8 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:14 | 0.1 | 0.1 | 17,932.5 | 171.0 | 1,832.4 | 77.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:15 | 0.1 | 0.1 | 17,932.5 | 171.0 | 1,832.4 | 77.8 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:16 | 0.1 | 0.1 | 17,932.5 | 171.1 | 1,832.4 | 77.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:17 | 0.1 | 0.1 | 17,955.0 | 171.3 | 1,834.7 | 77.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:18 | 0.1 | 0.1 | 17,977.5 | 171.3 | 1,837.0 | 77.7 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:19 | 0.1 | 0.1 | 17,955.0 | 171.3 | 1,834.7 | 77.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:20 | 0.1 | 0.1 | 17,932.5 | 171.1 | 1,832.4 | 77.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:21 | 0.1 | 0.1 | 17,932.5 | 171.2 | 1,832.4 | 77.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:22 | 0.1 | 0.1 | 17,910.0 | 170.8 | 1,830.1 | 77.6 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:23 | 0.1 | 0.1 | 17,932.5 | 171.0 | 1,832.4 | 77.5 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:24 | 0.1 | 0.1 | 17,910.0 | 170.8 | 1,830.1 | 77.5 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 17:25 | 0.1 | 0.1 | 17,932.5 | 171.0 | 1,832.4 | 77.5 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 17:26 | 0.1 | 0.1 | 17,955.0 | 170.9 | 1,834.7 | 77.5 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 17:27 | 0.1 | 0.1 | 17,932.5 | 171.2 | 1,832.4 | 77.5 | 7.2 | 0.027 | 13.9 |
| 2/11/2021 17:28 | 0.1 | 0.1 | 17,955.0 | 171.3 | 1,834.7 | 77.5 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 17:29 | 0.1 | 0.1 | 17,977.5 | 171.5 | 1,837.0 | 77.5 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:30 | 0.1 | 0.1 | 17,955.0 | 171.5 | 1,834.7 | 77.5 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 17:31 | 0.1 | 0.1 | 17,955.0 | 171.3 | 1,834.7 | 77.4 | 7.8 | 0.029 | 13.9 |
| 2/11/2021 17:32 | 0.1 | 0.1 | 17,977.5 | 171.4 | 1,837.0 | 77.4 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 17:33 | 0.1 | 0.1 | 17,977.5 | 171.3 | 1,837.0 | 77.3 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 17:34 | 0.1 | 0.1 | 17,955.0 | 171.4 | 1,834.7 | 77.3 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:35 | 0.1 | 0.1 | 17,955.0 | 171.3 | 1,834.7 | 77.3 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:36 | 0.1 | 0.1 | 17,932.5 | 171.3 | 1,832.4 | 77.2 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 17:37 | 0.1 | 0.1 | 17,955.0 | 171.3 | 1,834.7 | 77.2 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 17:38 | 0.1 | 0.1 | 17,932.5 | 171.2 | 1,832.4 | 77.2 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:39 | 0.1 | 0.1 | 17,932.5 | 171.3 | 1,832.4 | 77.1 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:40 | 0.1 | 0.1 | 17,977.5 | 171.5 | 1,837.0 | 77.0 | 7.6 | 0.028 | 13.9 |

| Date/Time | 4B: CO_BYP (PPM) Raw Value | 4B: CO_BYP_C 15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_BYP_C 15 (PPM) Raw Value | NOX_RT (LBMMBTU) Raw Value | 4B: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 17:41 | 0.2 | 0.2 | 17,977.5 | 171.7 | 1,837.0 | 77.0 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:42 | 0.1 | 0.1 | 17,977.5 | 171.6 | 1,837.0 | 77.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:43 | 0.1 | 0.1 | 17,955.0 | 171.5 | 1,834.7 | 76.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:44 | 0.1 | 0.1 | 17,955.0 | 171.5 | 1,834.7 | 76.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:45 | 0.1 | 0.1 | 17,977.5 | 171.7 | 1,837.0 | 76.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:46 | 0.1 | 0.1 | 17,977.5 | 171.6 | 1,837.0 | 76.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:47 | 0.2 | 0.2 | 17,977.5 | 171.5 | 1,837.0 | 76.8 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:48 | 0.1 | 0.1 | 17,955.0 | 171.5 | 1,834.7 | 76.8 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:49 | 0.2 | 0.2 | 17,955.0 | 171.4 | 1,834.7 | 76.8 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:50 | 0.2 | 0.2 | 17,955.0 | 171.3 | 1,834.7 | 76.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:51 | 0.2 | 0.2 | 17,977.5 | 171.4 | 1,837.0 | 76.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:52 | 0.2 | 0.2 | 17,955.0 | 171.7 | 1,834.7 | 76.7 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:53 | 0.1 | 0.1 | 17,977.5 | 171.7 | 1,837.0 | 76.7 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 17:54 | 0.1 | 0.1 | 17,977.5 | 171.8 | 1,837.0 | 76.6 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:55 | 0.1 | 0.1 | 18,000.0 | 172.1 | 1,839.3 | 76.6 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:56 | 0.1 | 0.1 | 18,000.0 | 172.0 | 1,839.3 | 76.5 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:57 | 0.1 | 0.1 | 18,000.0 | 172.2 | 1,839.3 | 76.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 17:58 | 0.1 | 0.1 | 17,977.5 | 171.9 | 1,837.0 | 76.4 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 17:59 | 0.1 | 0.1 | 18,000.0 | 172.1 | 1,839.3 | 76.3 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:00 | 0.1 | 0.1 | 18,022.5 | 172.2 | 1,841.6 | 76.3 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:01 | 0.1 | 0.1 | 18,000.0 | 172.0 | 1,839.3 | 76.3 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:02 | 0.1 | 0.1 | 17,977.5 | 172.0 | 1,837.0 | 76.2 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:03 | 0.1 | 0.1 | 18,000.0 | 172.0 | 1,839.3 | 76.2 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:04 | 0.1 | 0.1 | 17,977.5 | 171.9 | 1,837.0 | 76.2 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:05 | 0.2 | 0.2 | 18,000.0 | 172.0 | 1,839.3 | 76.1 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:06 | 0.2 | 0.2 | 18,022.5 | 172.3 | 1,841.6 | 76.1 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:07 | 0.1 | 0.1 | 18,022.5 | 172.4 | 1,841.6 | 76.1 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:08 | 0.1 | 0.1 | 18,000.0 | 172.3 | 1,839.3 | 75.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:09 | 0.1 | 0.1 | 18,022.5 | 172.6 | 1,841.6 | 75.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:10 | 0.1 | 0.1 | 18,022.5 | 172.6 | 1,841.6 | 75.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:11 | 0.1 | 0.1 | 18,022.5 | 172.5 | 1,841.6 | 75.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:12 | 0.1 | 0.1 | 18,000.0 | 172.5 | 1,839.3 | 75.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:13 | 0.1 | 0.1 | 18,000.0 | 172.4 | 1,839.3 | 75.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:14 | 0.1 | 0.1 | 18,000.0 | 172.3 | 1,839.3 | 75.7 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:15 | 0.1 | 0.1 | 17,977.5 | 172.1 | 1,837.0 | 75.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:16 | 0.1 | 0.1 | 18,000.0 | 172.3 | 1,839.3 | 75.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:17 | 0.1 | 0.1 | 17,977.5 | 172.2 | 1,837.0 | 75.6 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:18 | 0.1 | 0.1 | 18,022.5 | 172.7 | 1,841.6 | 75.6 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:19 | 0.1 | 0.1 | 18,022.5 | 172.5 | 1,841.6 | 75.6 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 18:20 | 0.1 | 0.1 | 18,022.5 | 172.6 | 1,841.6 | 75.5 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:21 | 0.1 | 0.1 | 18,045.0 | 172.8 | 1,843.9 | 75.5 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:22 | 0.1 | 0.1 | 18,045.0 | 172.7 | 1,843.9 | 75.4 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 18:23 | 0.1 | 0.1 | 18,045.0 | 172.9 | 1,843.9 | 75.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:24 | 0.1 | 0.1 | 18,045.0 | 172.9 | 1,843.9 | 75.4 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:25 | 0.1 | 0.1 | 18,045.0 | 172.9 | 1,843.9 | 75.3 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:26 | 0.1 | 0.1 | 18,045.0 | 172.8 | 1,843.9 | 75.3 | 7.4 | 0.027 | 13.9 |

| Date/Time | 4B: CO_BYP (PPM) Raw Value | 4B: CO_BYP_C 15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_BYP_C 15 (PPM) Raw Value | NOX_RT (LBMMBTU) Raw Value | 4B: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 18:27 | 0.1 | 0.1 | 18,022.5 | 172.7 | 1,841.6 | 75.3 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:28 | 0.1 | 0.1 | 18,022.5 | 172.6 | 1,841.6 | 75.2 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:29 | 0.1 | 0.1 | 18,022.5 | 172.6 | 1,841.6 | 75.2 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:30 | 0.1 | 0.1 | 18,022.5 | 172.7 | 1,841.6 | 75.1 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:31 | 0.1 | 0.1 | 18,022.5 | 172.6 | 1,841.6 | 75.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:32 | 0.1 | 0.1 | 18,045.0 | 172.9 | 1,843.9 | 75.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:33 | 0.1 | 0.1 | 18,045.0 | 172.8 | 1,843.9 | 75.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:34 | 0.1 | 0.1 | 18,067.5 | 173.2 | 1,846.2 | 74.9 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:35 | 0.1 | 0.1 | 18,090.0 | 173.3 | 1,848.5 | 74.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:36 | 0.1 | 0.1 | 18,090.0 | 173.5 | 1,848.5 | 74.9 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:37 | 0.1 | 0.1 | 18,090.0 | 173.3 | 1,848.5 | 74.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:38 | 0.1 | 0.1 | 18,067.5 | 173.4 | 1,846.2 | 74.8 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:39 | 0.1 | 0.1 | 18,067.5 | 173.2 | 1,846.2 | 74.8 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 18:40 | 0.1 | 0.1 | 18,067.5 | 173.2 | 1,846.2 | 74.7 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:41 | 0.1 | 0.1 | 18,067.5 | 173.1 | 1,846.2 | 74.7 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:42 | 0.1 | 0.1 | 18,045.0 | 173.2 | 1,843.9 | 74.7 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:43 | 0.1 | 0.1 | 18,067.5 | 173.1 | 1,846.2 | 74.7 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:44 | 0.1 | 0.1 | 18,045.0 | 173.1 | 1,843.9 | 74.6 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:45 | 0.1 | 0.1 | 18,067.5 | 173.2 | 1,846.2 | 74.6 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:46 | 0.2 | 0.2 | 18,090.0 | 173.3 | 1,848.5 | 74.6 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:47 | 0.1 | 0.1 | 18,067.5 | 173.3 | 1,846.2 | 74.6 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:48 | 0.1 | 0.1 | 18,090.0 | 173.5 | 1,848.5 | 74.5 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:49 | 0.1 | 0.1 | 18,112.5 | 173.7 | 1,850.8 | 74.5 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:50 | 0.1 | 0.1 | 18,090.0 | 173.5 | 1,848.5 | 74.5 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:51 | 0.1 | 0.1 | 18,112.5 | 173.6 | 1,850.8 | 74.4 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:52 | 0.1 | 0.1 | 18,090.0 | 173.6 | 1,848.5 | 74.4 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:53 | 0.1 | 0.1 | 18,090.0 | 173.4 | 1,848.5 | 74.4 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 18:54 | 0.1 | 0.1 | 18,067.5 | 173.5 | 1,846.2 | 74.4 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:55 | 0.2 | 0.2 | 18,067.5 | 173.5 | 1,846.2 | 74.3 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:56 | 0.1 | 0.1 | 18,090.0 | 173.2 | 1,848.5 | 74.3 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 18:57 | 0.2 | 0.2 | 18,067.5 | 173.4 | 1,846.2 | 74.3 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 18:58 | 0.1 | 0.1 | 18,112.5 | 173.7 | 1,850.8 | 74.2 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 18:59 | 0.1 | 0.1 | 18,112.5 | 173.8 | 1,850.8 | 74.2 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 19:00 | 0.1 | 0.1 | 18,112.5 | 173.8 | 1,850.8 | 74.2 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 19:01 | 0.1 | 0.1 | 18,135.0 | 173.9 | 1,853.1 | 74.2 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 19:02 | 0.1 | 0.1 | 18,112.5 | 173.8 | 1,850.8 | 74.2 | 7.6 | 0.028 | 13.9 |
| 2/11/2021 19:03 | 0.1 | 0.1 | 18,135.0 | 173.8 | 1,853.1 | 74.2 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 19:04 | 0.2 | 0.2 | 18,135.0 | 173.7 | 1,853.1 | 74.1 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 19:05 | 0.1 | 0.1 | 18,090.0 | 173.6 | 1,848.5 | 74.1 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 19:06 | 0.1 | 0.1 | 18,112.5 | 173.7 | 1,850.8 | 74.1 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 19:07 | 0.1 | 0.1 | 18,112.5 | 173.7 | 1,850.8 | 74.1 | 7.3 | 0.027 | 13.9 |
| 2/11/2021 19:08 | 0.2 | 0.2 | 18,112.5 | 173.6 | 1,850.8 | 74.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 19:09 | 0.2 | 0.2 | 18,090.0 | 173.6 | 1,848.5 | 74.0 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 19:10 | 0.2 | 0.2 | 18,112.5 | 173.8 | 1,850.8 | 73.9 | 7.4 | 0.027 | 13.9 |
| 2/11/2021 19:11 | 0.2 | 0.2 | 18,112.5 | 173.9 | 1,850.8 | 73.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 19:12 | 0.2 | 0.2 | 18,135.0 | 174.0 | 1,853.1 | 73.8 | 7.7 | 0.028 | 13.9 |

| Date/Time | 4B: CO_BYP (PPM) Raw Value | 4B: CO_BYP_C 15 (PPM) Raw Value | 4B: GAS_CT_EPA (HSCF) Raw Value | 4B: GEN (MW) Raw Value | 4B: HTIP (MMBTUHR) Raw Value | 4B: INLET_TEMP (DEGF) Raw Value | 4B: NOX_BYP_C 15 (PPM) Raw Value | NOX_RT (LBMMBTU) Raw Value | 4B: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/11/2021 19:13 | 0.2 | 0.2 | 18,135.0 | 174.1 | 1,853.1 | 73.8 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 19:14 | 0.1 | 0.1 | 18,135.0 | 174.1 | 1,853.1 | 73.8 | 7.7 | 0.028 | 13.9 |
| 2/11/2021 19:15 | 0.1 | 0.1 | 18,135.0 | 174.1 | 1,853.1 | 73.8 | 7.5 | 0.028 | 13.9 |
| 2/11/2021 19:16 | 0.1 | 0.1 | 18,135.0 | 174.1 | 1,853.1 | 73.8 | 7.4 | 0.027 | 13.9 |

# 4C HRSG

**Bartow - 4C HRSG Stack (*EU -040*) RATA Data**

**February 10, 2021**

| Run | Start *EST* | End *EST* | CO *ppm* | CO @ 15% *ppm@15% $O_2$* | CT Gas Flow *HSCF/hr* | DB Gas Flow *HSCF/hr* | Unit Load *MW* | Heat Input (HHV) *mmBtu/hr* | Compressor Inlet Temp *°F* | NOx @ 15% *ppm@15% $O_2$* | NOx Rate *lb/mmBtu* | $O_2$ *%* | Steam Flow *KPPH* | Average Heat Input (HHV) *mmBtu/hr* | Average Inlet Temp *°F* | Permit CT Heat Input (HHV) *mmBtu/hr @59°F* | Permit CT Heat Input at Inlet Temp (HHV) *mmBtu/hr* | CT Capacity *%* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8:25 AM | 8:46 AM | 0.8 | 0.7 | 18,886.1 | 0 | 270.5 | 1,929.9 | 65.2 | 8.2 | 0.030 | 14.2 | 297 | | | | | |
| 2 | 9:03 AM | 9:24 AM | 0.8 | 0.7 | 18,834.6 | 0 | 269.9 | 1,924.6 | 65.9 | 8.3 | 0.030 | 14.2 | 295 | 1,926 | 65.8 | | 1,936 | 100% |
| 3 | 9:36 AM | 9:57 AM | 0.8 | 0.7 | 18,825.0 | 0 | 269.5 | 1,923.6 | 66.4 | 8.2 | 0.030 | 14.2 | 294 | | | | | |
| 4 | 10:09 AM | 10:30 AM | 0.8 | 0.7 | 18,871.1 | 0 | 270.2 | 1,928.3 | 65.6 | 8.3 | 0.030 | 14.2 | 295 | | | | | |
| 5 | 10:41 AM | 11:02 AM | 0.8 | 0.7 | 18,881.8 | 0 | 270.2 | 1,929.4 | 65.4 | 8.3 | 0.031 | 14.2 | 295 | 1,924 | 66.1 | 1,972 | 1,934 | 99% |
| 6 | 11:13 AM | 11:34 AM | 0.8 | 0.7 | 18,738.2 | 0 | 268.4 | 1,914.8 | 67.4 | 8.3 | 0.030 | 14.2 | 294 | | | | | |
| 7 | 11:45 AM | 12:06 PM | 0.7 | 0.6 | 18,615.0 | 0 | 266.1 | 1,902.2 | 69.9 | 8.1 | 0.030 | 14.2 | 292 | | | | | |
| 8 | 12:17 PM | 12:38 PM | 0.7 | 0.6 | 18,401.8 | 0 | 262.5 | 1,880.4 | 73.9 | 8.0 | 0.030 | 14.2 | 289 | 1,881 | 73.7 | | 1,893 | 99% |
| 9 | 12:49 PM | 1:10 PM | 0.6 | 0.5 | 18,206.8 | 0 | 258.8 | 1,860.4 | 77.3 | 8.0 | 0.030 | 14.2 | 284 | | | | | |
| | | **Average** | **0.8** | **0.7** | **18,695.6** | **0** | **267.4** | **1,910.4** | **68.6** | **8.2** | **0.030** | **14.2** | **293** | **1,910** | **68.6** | | **1,921** | **99%** |

| Date/Time | 4C: CO_HRSG (PPM) Raw Value | 4C: CO_HRSG_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GAS_DB_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_HRSG_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_HRSG (PCT) Raw Value | 4C: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 8:25 | 0.8 | 0.7 | 18,900.0 | 0 | 269.5 | 1,931.3 | 65.1 | 8.1 | 0.030 | 14.1 | 293 |
| 2/10/2021 8:26 | 0.8 | 0.7 | 18,922.5 | 0 | 270.2 | 1,933.6 | 65.1 | 8.1 | 0.030 | 14.1 | 295 |
| 2/10/2021 8:27 | 0.8 | 0.7 | 18,900.0 | 0 | 270.4 | 1,931.3 | 65.1 | 8.0 | 0.029 | 14.1 | 296 |
| 2/10/2021 8:28 | 0.8 | 0.7 | 18,877.5 | 0 | 270.6 | 1,929.0 | 65.1 | 8.0 | 0.029 | 14.1 | 297 |
| 2/10/2021 8:29 | 0.8 | 0.7 | 18,900.0 | 0 | 271.1 | 1,931.3 | 65.1 | 8.1 | 0.030 | 14.1 | 299 |
| 2/10/2021 8:30 | 0.8 | 0.7 | 18,877.5 | 0 | 270.7 | 1,929.0 | 65.1 | 8.1 | 0.030 | 14.2 | 298 |
| 2/10/2021 8:31 | 0.8 | 0.7 | 18,900.0 | 0 | 271.4 | 1,931.3 | 65.2 | 8.1 | 0.030 | 14.1 | 301 |
| 2/10/2021 8:32 | 0.8 | 0.7 | 18,877.5 | 0 | 270.2 | 1,929.0 | 65.2 | 8.2 | 0.030 | 14.2 | 297 |
| 2/10/2021 8:33 | 0.8 | 0.7 | 18,900.0 | 0 | 270.1 | 1,931.3 | 65.2 | 8.1 | 0.030 | 14.2 | 296 |
| 2/10/2021 8:34 | 0.8 | 0.7 | 18,877.5 | 0 | 270.5 | 1,929.0 | 65.2 | 8.1 | 0.030 | 14.2 | 296 |
| 2/10/2021 8:35 | 0.8 | 0.7 | 18,877.5 | 0 | 270.3 | 1,929.0 | 65.2 | 8.2 | 0.030 | 14.2 | 296 |
| 2/10/2021 8:36 | 0.8 | 0.7 | 18,900.0 | 0 | 270.5 | 1,931.3 | 65.2 | 8.2 | 0.030 | 14.1 | 297 |
| 2/10/2021 8:37 | 0.8 | 0.7 | 18,900.0 | 0 | 270.4 | 1,931.3 | 65.2 | 8.3 | 0.030 | 14.2 | 296 |
| 2/10/2021 8:38 | 0.8 | 0.7 | 18,877.5 | 0 | 271.0 | 1,929.0 | 65.2 | 8.2 | 0.030 | 14.1 | 297 |
| 2/10/2021 8:39 | 0.8 | 0.7 | 18,877.5 | 0 | 270.8 | 1,929.0 | 65.3 | 8.3 | 0.030 | 14.2 | 297 |
| 2/10/2021 8:40 | 0.8 | 0.7 | 18,900.0 | 0 | 271.0 | 1,931.3 | 65.3 | 8.3 | 0.030 | 14.2 | 297 |
| 2/10/2021 8:41 | 0.8 | 0.7 | 18,855.0 | 0 | 271.3 | 1,926.7 | 65.3 | 8.3 | 0.030 | 14.2 | 299 |
| 2/10/2021 8:42 | 0.8 | 0.7 | 18,877.5 | 0 | 270.7 | 1,929.0 | 65.3 | 8.4 | 0.031 | 14.2 | 297 |
| 2/10/2021 8:43 | 0.8 | 0.7 | 18,855.0 | 0 | 270.7 | 1,926.7 | 65.3 | 8.4 | 0.031 | 14.2 | 298 |
| 2/10/2021 8:44 | 0.8 | 0.7 | 18,877.5 | 0 | 270.2 | 1,929.0 | 65.3 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 8:45 | 0.8 | 0.7 | 18,877.5 | 0 | 269.8 | 1,929.0 | 65.5 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 8:46 | 0.8 | 0.7 | 18,900.0 | 0 | 269.5 | 1,931.3 | 65.5 | 8.3 | 0.030 | 14.2 | 293 |
| 2/10/2021 8:47 | 0.8 | 0.7 | 18,900.0 | 0 | 269.3 | 1,931.3 | 65.5 | 8.4 | 0.031 | 14.2 | 292 |
| 2/10/2021 8:48 | 0.8 | 0.7 | 18,877.5 | 0 | 269.6 | 1,929.0 | 65.5 | 8.4 | 0.031 | 14.2 | 293 |
| 2/10/2021 8:49 | 0.8 | 0.7 | 18,877.5 | 0 | 269.3 | 1,929.0 | 65.5 | 8.2 | 0.030 | 14.2 | 292 |
| 2/10/2021 8:50 | 0.8 | 0.7 | 18,855.0 | 0 | 269.7 | 1,926.7 | 65.5 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 8:51 | 0.8 | 0.7 | 18,855.0 | 0 | 269.7 | 1,926.7 | 65.5 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 8:52 | 0.8 | 0.7 | 18,877.5 | 0 | 269.8 | 1,929.0 | 65.5 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 8:53 | 0.8 | 0.7 | 18,855.0 | 0 | 269.8 | 1,926.7 | 65.5 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 8:57 | 0.8 | 0.7 | 18,832.5 | 0 | 270.1 | 1,924.4 | 65.6 | 8.5 | 0.031 | 14.2 | 295 |
| 2/10/2021 8:58 | 0.8 | 0.7 | 18,855.0 | 0 | 270.2 | 1,926.7 | 65.6 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 8:59 | 0.8 | 0.7 | 18,877.5 | 0 | 270.3 | 1,929.0 | 65.6 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:00 | 0.8 | 0.7 | 18,877.5 | 0 | 270.5 | 1,929.0 | 65.6 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 9:01 | 0.8 | 0.7 | 18,855.0 | 0 | 270.1 | 1,926.7 | 65.6 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:02 | 0.8 | 0.7 | 18,855.0 | 0 | 270.4 | 1,926.7 | 65.6 | 8.2 | 0.030 | 14.2 | 296 |

| Date/Time | 4C: CO_HRSG (PPM) Raw Value | 4C: CO_HRSG_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GAS_DB_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_HRSG_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_HRSG (PCT) Raw Value | 4C: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 9:03 | 0.8 | 0.7 | 18,832.5 | 0 | 270.2 | 1,924.4 | 65.6 | 8.5 | 0.031 | 14.2 | 296 |
| 2/10/2021 9:04 | 0.8 | 0.7 | 18,832.5 | 0 | 270.2 | 1,924.4 | 65.6 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:05 | 0.8 | 0.7 | 18,855.0 | 0 | 270.1 | 1,926.7 | 65.6 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:06 | 0.8 | 0.7 | 18,855.0 | 0 | 270.0 | 1,926.7 | 65.6 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:07 | 0.8 | 0.7 | 18,855.0 | 0 | 270.3 | 1,926.7 | 65.6 | 8.3 | 0.030 | 14.2 | 296 |
| 2/10/2021 9:08 | 0.8 | 0.7 | 18,877.5 | 0 | 270.0 | 1,929.0 | 65.6 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 9:09 | 0.8 | 0.7 | 18,855.0 | 0 | 270.1 | 1,926.7 | 65.6 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:10 | 0.8 | 0.7 | 18,832.5 | 0 | 269.9 | 1,924.4 | 65.7 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:11 | 0.8 | 0.7 | 18,832.5 | 0 | 269.9 | 1,924.4 | 65.7 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:12 | 0.8 | 0.7 | 18,810.0 | 0 | 270.1 | 1,922.1 | 65.8 | 8.2 | 0.030 | 14.2 | 296 |
| 2/10/2021 9:13 | 0.8 | 0.7 | 18,832.5 | 0 | 269.7 | 1,924.4 | 65.8 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 9:14 | 0.8 | 0.7 | 18,810.0 | 0 | 270.1 | 1,922.1 | 65.9 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:15 | 0.8 | 0.7 | 18,832.5 | 0 | 269.8 | 1,924.4 | 66.0 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 9:16 | 0.8 | 0.7 | 18,832.5 | 0 | 269.9 | 1,924.4 | 66.0 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:17 | 0.8 | 0.7 | 18,810.0 | 0 | 269.8 | 1,922.1 | 66.0 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:18 | 0.8 | 0.7 | 18,810.0 | 0 | 269.6 | 1,922.1 | 66.1 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:19 | 0.8 | 0.7 | 18,855.0 | 0 | 270.0 | 1,926.7 | 66.1 | 8.2 | 0.030 | 14.2 | 296 |
| 2/10/2021 9:20 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 66.1 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 9:21 | 0.8 | 0.7 | 18,832.5 | 0 | 269.8 | 1,924.4 | 66.1 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:22 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 66.2 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:23 | 0.8 | 0.7 | 18,810.0 | 0 | 269.4 | 1,922.1 | 66.2 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:24 | 0.8 | 0.7 | 18,810.0 | 0 | 269.9 | 1,922.1 | 66.4 | 8.2 | 0.030 | 14.2 | 296 |
| 2/10/2021 9:25 | 0.8 | 0.7 | 18,832.5 | 0 | 269.4 | 1,924.4 | 66.4 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:26 | 0.8 | 0.7 | 18,832.5 | 0 | 269.9 | 1,924.4 | 66.4 | 8.1 | 0.030 | 14.2 | 296 |
| 2/10/2021 9:27 | 0.8 | 0.7 | 18,810.0 | 0 | 269.5 | 1,922.1 | 66.4 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:28 | 0.8 | 0.7 | 18,810.0 | 0 | 269.7 | 1,922.1 | 66.4 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:29 | 0.8 | 0.7 | 18,832.5 | 0 | 269.5 | 1,924.4 | 66.4 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:30 | 0.8 | 0.7 | 18,832.5 | 0 | 269.5 | 1,924.4 | 66.4 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:31 | 0.8 | 0.7 | 18,810.0 | 0 | 269.7 | 1,922.1 | 66.3 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:32 | 0.8 | 0.7 | 18,810.0 | 0 | 269.4 | 1,922.1 | 66.3 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:33 | 0.8 | 0.7 | 18,832.5 | 0 | 269.9 | 1,924.4 | 66.3 | 8.2 | 0.030 | 14.2 | 296 |
| 2/10/2021 9:34 | 0.8 | 0.7 | 18,855.0 | 0 | 269.5 | 1,926.7 | 66.3 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:35 | 0.8 | 0.7 | 18,832.5 | 0 | 269.7 | 1,924.4 | 66.2 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:36 | 0.8 | 0.7 | 18,832.5 | 0 | 269.5 | 1,924.4 | 66.3 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:37 | 0.8 | 0.7 | 18,832.5 | 0 | 269.4 | 1,924.4 | 66.3 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:38 | 0.8 | 0.7 | 18,832.5 | 0 | 269.4 | 1,924.4 | 66.3 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:39 | 0.8 | 0.7 | 18,787.5 | 0 | 269.0 | 1,919.8 | 66.5 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 9:40 | 0.8 | 0.7 | 18,877.5 | 0 | 269.7 | 1,929.0 | 66.5 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:41 | 0.8 | 0.7 | 18,832.5 | 0 | 269.5 | 1,924.4 | 66.5 | 8.0 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:42 | 0.8 | 0.7 | 18,832.5 | 0 | 269.5 | 1,924.4 | 66.5 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:43 | 0.8 | 0.7 | 18,832.5 | 0 | 269.4 | 1,924.4 | 66.4 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:44 | 0.8 | 0.7 | 18,832.5 | 0 | 269.7 | 1,924.4 | 66.4 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:45 | 0.8 | 0.7 | 18,832.5 | 0 | 269.7 | 1,924.4 | 66.4 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:46 | 0.8 | 0.7 | 18,855.0 | 0 | 269.5 | 1,926.7 | 66.4 | 8.1 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:47 | 0.8 | 0.7 | 18,810.0 | 0 | 269.9 | 1,922.1 | 66.4 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 9:48 | 0.8 | 0.7 | 18,832.5 | 0 | 269.3 | 1,924.4 | 66.4 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:49 | 0.8 | 0.7 | 18,810.0 | 0 | 269.5 | 1,922.1 | 66.4 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:50 | 0.8 | 0.7 | 18,810.0 | 0 | 269.4 | 1,922.1 | 66.4 | 8.0 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:51 | 0.8 | 0.7 | 18,810.0 | 0 | 269.3 | 1,922.1 | 66.5 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:52 | 0.8 | 0.7 | 18,787.5 | 0 | 269.6 | 1,919.8 | 66.5 | 8.3 | 0.030 | 14.2 | 296 |
| 2/10/2021 9:53 | 0.8 | 0.7 | 18,832.5 | 0 | 269.3 | 1,924.4 | 66.5 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 9:54 | 0.8 | 0.7 | 18,810.0 | 0 | 269.7 | 1,922.1 | 66.5 | 8.0 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:55 | 0.8 | 0.7 | 18,832.5 | 0 | 269.3 | 1,924.4 | 66.5 | 8.1 | 0.030 | 14.2 | 294 |

| Date/Time | 4C: CO_HRSG (PPM) Raw Value | 4C: CO_HRSG_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GAS_DB_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_HRSG_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_HRSG (PCT) Raw Value | 4C: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 9:56 | 0.8 | 0.7 | 18,810.0 | 0 | 269.5 | 1,922.1 | 66.5 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 9:57 | 0.8 | 0.7 | 18,810.0 | 0 | 269.4 | 1,922.1 | 66.5 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:58 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 66.5 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 9:59 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 66.5 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:00 | 0.8 | 0.7 | 18,810.0 | 0 | 269.7 | 1,922.1 | 66.5 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:01 | 0.8 | 0.7 | 18,810.0 | 0 | 269.7 | 1,922.1 | 66.4 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:02 | 0.8 | 0.7 | 18,832.5 | 0 | 269.3 | 1,924.4 | 66.4 | 8.1 | 0.030 | 14.2 | 294 |
| 2/10/2021 10:03 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 66.2 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 10:04 | 0.8 | 0.7 | 18,855.0 | 0 | 269.7 | 1,926.7 | 66.1 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:05 | 0.8 | 0.7 | 18,855.0 | 0 | 269.7 | 1,926.7 | 66.1 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 10:06 | 0.8 | 0.7 | 18,832.5 | 0 | 269.8 | 1,924.4 | 66.0 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:07 | 0.8 | 0.7 | 18,855.0 | 0 | 269.6 | 1,926.7 | 66.0 | 8.1 | 0.030 | 14.2 | 294 |
| 2/10/2021 10:08 | 0.8 | 0.7 | 18,855.0 | 0 | 270.1 | 1,926.7 | 65.9 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:09 | 0.8 | 0.7 | 18,832.5 | 0 | 269.9 | 1,924.4 | 65.8 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:10 | 0.8 | 0.7 | 18,832.5 | 0 | 270.0 | 1,924.4 | 65.8 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:11 | 0.8 | 0.7 | 18,855.0 | 0 | 270.1 | 1,926.7 | 65.7 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:12 | 0.8 | 0.7 | 18,832.5 | 0 | 269.7 | 1,924.4 | 65.7 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 10:13 | 0.8 | 0.7 | 18,832.5 | 0 | 270.0 | 1,924.4 | 65.7 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:14 | 0.8 | 0.7 | 18,855.0 | 0 | 269.8 | 1,926.7 | 65.7 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:15 | 0.8 | 0.7 | 18,877.5 | 0 | 269.8 | 1,929.0 | 65.7 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 10:16 | 0.8 | 0.7 | 18,855.0 | 0 | 270.1 | 1,926.7 | 65.8 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:17 | 0.8 | 0.7 | 18,877.5 | 0 | 269.9 | 1,929.0 | 65.8 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 10:18 | 0.8 | 0.7 | 18,855.0 | 0 | 270.4 | 1,926.7 | 65.7 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:19 | 0.8 | 0.7 | 18,900.0 | 0 | 270.6 | 1,931.3 | 65.7 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:20 | 0.8 | 0.7 | 18,900.0 | 0 | 270.1 | 1,931.3 | 65.5 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:21 | 0.8 | 0.7 | 18,900.0 | 0 | 270.6 | 1,931.3 | 65.5 | 8.5 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:22 | 0.8 | 0.7 | 18,922.5 | 0 | 270.5 | 1,933.6 | 65.5 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:23 | 0.8 | 0.7 | 18,900.0 | 0 | 270.6 | 1,931.3 | 65.4 | 8.3 | 0.030 | 14.2 | 296 |
| 2/10/2021 10:24 | 0.8 | 0.7 | 18,900.0 | 0 | 270.4 | 1,931.3 | 65.4 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:25 | 0.8 | 0.7 | 18,877.5 | 0 | 270.5 | 1,929.0 | 65.4 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:26 | 0.8 | 0.7 | 18,877.5 | 0 | 270.4 | 1,929.0 | 65.4 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 10:27 | 0.8 | 0.7 | 18,877.5 | 0 | 270.1 | 1,929.0 | 65.4 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:28 | 0.8 | 0.7 | 18,877.5 | 0 | 270.6 | 1,929.0 | 65.4 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 10:29 | 0.8 | 0.7 | 18,855.0 | 0 | 270.2 | 1,926.7 | 65.4 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 10:30 | 0.8 | 0.7 | 18,900.0 | 0 | 270.2 | 1,931.3 | 65.4 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:31 | 0.8 | 0.7 | 18,877.5 | 0 | 270.0 | 1,929.0 | 65.4 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:32 | 0.8 | 0.7 | 18,855.0 | 0 | 269.9 | 1,926.7 | 65.4 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 10:33 | 0.9 | 0.8 | 18,855.0 | 0 | 270.3 | 1,926.7 | 65.3 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:34 | 0.8 | 0.7 | 18,877.5 | 0 | 270.1 | 1,929.0 | 65.3 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:35 | 0.8 | 0.7 | 18,855.0 | 0 | 270.5 | 1,926.7 | 65.3 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 10:36 | 0.8 | 0.7 | 18,877.5 | 0 | 269.9 | 1,929.0 | 65.3 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:37 | 0.8 | 0.7 | 18,877.5 | 0 | 269.9 | 1,929.0 | 65.5 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 10:38 | 0.9 | 0.8 | 18,900.0 | 0 | 270.5 | 1,931.3 | 65.5 | 8.2 | 0.030 | 14.2 | 296 |
| 2/10/2021 10:39 | 0.8 | 0.7 | 18,877.5 | 0 | 269.9 | 1,929.0 | 65.5 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:40 | 0.8 | 0.7 | 18,900.0 | 0 | 270.5 | 1,931.3 | 65.5 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 10:41 | 0.8 | 0.7 | 18,900.0 | 0 | 270.2 | 1,931.3 | 65.5 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:42 | 0.8 | 0.7 | 18,877.5 | 0 | 270.1 | 1,929.0 | 65.4 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:43 | 0.8 | 0.7 | 18,877.5 | 0 | 270.5 | 1,929.0 | 65.4 | 8.1 | 0.030 | 14.2 | 296 |
| 2/10/2021 10:44 | 0.8 | 0.7 | 18,877.5 | 0 | 270.1 | 1,929.0 | 65.4 | 8.5 | 0.031 | 14.2 | 294 |
| 2/10/2021 10:45 | 0.8 | 0.7 | 18,855.0 | 0 | 270.3 | 1,926.7 | 65.4 | 8.5 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:46 | 0.8 | 0.7 | 18,922.5 | 0 | 270.3 | 1,933.6 | 65.3 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:47 | 0.8 | 0.7 | 18,900.0 | 0 | 270.2 | 1,931.3 | 65.3 | 8.2 | 0.030 | 14.2 | 295 |

| Date/Time | 4C: CO_HRSG (PPM) Raw Value | 4C: CO_HRSG_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GAS_DB_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_HRSG_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_HRSG (PCT) Raw Value | 4C: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 10:48 | 0.8 | 0.7 | 18,877.5 | 0 | 270.4 | 1,929.0 | 65.3 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 10:49 | 0.8 | 0.7 | 18,900.0 | 0 | 270.5 | 1,931.3 | 65.3 | 8.5 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:50 | 0.8 | 0.7 | 18,877.5 | 0 | 270.5 | 1,929.0 | 65.3 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:51 | 0.8 | 0.7 | 18,900.0 | 0 | 270.3 | 1,931.3 | 65.3 | 8.3 | 0.030 | 14.2 | 296 |
| 2/10/2021 10:52 | 0.8 | 0.7 | 18,877.5 | 0 | 269.9 | 1,929.0 | 65.3 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:53 | 0.8 | 0.7 | 18,855.0 | 0 | 270.4 | 1,926.7 | 65.4 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:54 | 0.8 | 0.7 | 18,877.5 | 0 | 269.8 | 1,929.0 | 65.5 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 10:55 | 0.8 | 0.7 | 18,877.5 | 0 | 270.4 | 1,929.0 | 65.5 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:56 | 0.8 | 0.7 | 18,855.0 | 0 | 270.0 | 1,926.7 | 65.6 | 8.2 | 0.030 | 14.2 | 296 |
| 2/10/2021 10:57 | 0.8 | 0.7 | 18,877.5 | 0 | 270.1 | 1,929.0 | 65.6 | 8.5 | 0.031 | 14.2 | 295 |
| 2/10/2021 10:58 | 0.9 | 0.8 | 18,900.0 | 0 | 270.4 | 1,931.3 | 65.6 | 8.1 | 0.030 | 14.2 | 295 |
| 2/10/2021 10:59 | 0.8 | 0.7 | 18,877.5 | 0 | 270.2 | 1,929.0 | 65.6 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 11:00 | 0.8 | 0.7 | 18,877.5 | 0 | 270.6 | 1,929.0 | 65.5 | 8.4 | 0.031 | 14.2 | 296 |
| 2/10/2021 11:01 | 0.8 | 0.7 | 18,877.5 | 0 | 270.0 | 1,929.0 | 65.5 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 11:02 | 0.8 | 0.7 | 18,855.0 | 0 | 270.1 | 1,926.7 | 65.5 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 11:03 | 0.8 | 0.7 | 18,877.5 | 0 | 270.1 | 1,929.0 | 65.6 | 8.3 | 0.030 | 14.2 | 296 |
| 2/10/2021 11:04 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 65.6 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:05 | 0.8 | 0.7 | 18,855.0 | 0 | 269.8 | 1,926.7 | 65.8 | 8.5 | 0.031 | 14.2 | 295 |
| 2/10/2021 11:06 | 0.9 | 0.8 | 18,832.5 | 0 | 269.7 | 1,924.4 | 65.8 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 11:07 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 65.9 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 11:08 | 0.8 | 0.7 | 18,810.0 | 0 | 269.6 | 1,922.1 | 66.0 | 8.5 | 0.031 | 14.2 | 294 |
| 2/10/2021 11:09 | 0.8 | 0.7 | 18,832.5 | 0 | 269.3 | 1,924.4 | 66.1 | 8.3 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:10 | 0.8 | 0.7 | 18,832.5 | 0 | 269.6 | 1,924.4 | 66.1 | 8.3 | 0.030 | 14.2 | 295 |
| 2/10/2021 11:11 | 0.8 | 0.7 | 18,832.5 | 0 | 269.2 | 1,924.4 | 66.3 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:12 | 0.8 | 0.7 | 18,832.5 | 0 | 269.4 | 1,924.4 | 66.3 | 8.2 | 0.030 | 14.2 | 295 |
| 2/10/2021 11:13 | 0.8 | 0.7 | 18,787.5 | 0 | 269.0 | 1,919.8 | 66.5 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 11:14 | 0.8 | 0.7 | 18,787.5 | 0 | 268.9 | 1,919.8 | 66.6 | 8.4 | 0.031 | 14.2 | 295 |
| 2/10/2021 11:15 | 0.8 | 0.7 | 18,787.5 | 0 | 268.9 | 1,919.8 | 66.7 | 8.4 | 0.031 | 14.2 | 294 |
| 2/10/2021 11:16 | 0.8 | 0.7 | 18,675.0 | 0 | 268.4 | 1,908.3 | 66.9 | 8.4 | 0.031 | 14.2 | 293 |
| 2/10/2021 11:17 | 0.8 | 0.7 | 18,787.5 | 0 | 268.8 | 1,919.8 | 66.9 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:18 | 0.8 | 0.7 | 18,720.0 | 0 | 268.6 | 1,912.9 | 67.1 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:19 | 0.8 | 0.7 | 18,765.0 | 0 | 269.0 | 1,917.5 | 67.1 | 8.1 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:20 | 0.8 | 0.7 | 18,742.5 | 0 | 268.7 | 1,915.2 | 67.1 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:21 | 0.8 | 0.7 | 18,742.5 | 0 | 268.8 | 1,915.2 | 67.2 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:22 | 0.8 | 0.7 | 18,765.0 | 0 | 268.8 | 1,917.5 | 67.2 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:23 | 0.8 | 0.7 | 18,742.5 | 0 | 268.5 | 1,915.2 | 67.3 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:24 | 0.8 | 0.7 | 18,765.0 | 0 | 268.6 | 1,917.5 | 67.3 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:25 | 0.8 | 0.7 | 18,765.0 | 0 | 268.2 | 1,917.5 | 67.5 | 8.3 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:26 | 0.8 | 0.7 | 18,697.5 | 0 | 268.6 | 1,910.6 | 67.5 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:27 | 0.8 | 0.7 | 18,765.0 | 0 | 268.2 | 1,917.5 | 67.7 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:28 | 0.8 | 0.7 | 18,697.5 | 0 | 268.1 | 1,910.6 | 67.8 | 8.3 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:29 | 0.8 | 0.7 | 18,697.5 | 0 | 267.9 | 1,910.6 | 68.0 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:30 | 0.8 | 0.7 | 18,697.5 | 0 | 267.8 | 1,910.6 | 68.1 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:31 | 0.8 | 0.7 | 18,720.0 | 0 | 268.1 | 1,912.9 | 68.2 | 8.2 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:32 | 0.8 | 0.7 | 18,720.0 | 0 | 267.3 | 1,912.9 | 68.3 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:33 | 0.8 | 0.7 | 18,675.0 | 0 | 267.6 | 1,908.3 | 68.5 | 8.3 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:34 | 0.8 | 0.7 | 18,652.5 | 0 | 267.0 | 1,906.0 | 68.6 | 8.1 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:35 | 0.8 | 0.7 | 18,697.5 | 0 | 267.5 | 1,910.6 | 68.7 | 8.1 | 0.030 | 14.2 | 294 |
| 2/10/2021 11:36 | 0.8 | 0.7 | 18,720.0 | 0 | 267.5 | 1,912.9 | 68.7 | 8.1 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:37 | 0.8 | 0.7 | 18,720.0 | 0 | 267.4 | 1,912.9 | 68.8 | 8.0 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:38 | 0.8 | 0.7 | 18,697.5 | 0 | 267.5 | 1,910.6 | 68.8 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:39 | 0.8 | 0.7 | 18,697.5 | 0 | 267.2 | 1,910.6 | 68.8 | 8.2 | 0.030 | 14.2 | 292 |

| Date/Time | 4C: CO_HRSG (PPM) Raw Value | 4C: CO_HRSG_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GAS_DB_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_HRSG_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_HRSG (PCT) Raw Value | 4C: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 11:40 | 0.8 | 0.7 | 18,675.0 | 0 | 267.4 | 1,908.3 | 68.8 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:41 | 0.8 | 0.7 | 18,675.0 | 0 | 266.9 | 1,908.3 | 68.8 | 8.2 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:42 | 0.8 | 0.7 | 18,652.5 | 0 | 267.3 | 1,906.0 | 68.8 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:43 | 0.8 | 0.7 | 18,652.5 | 0 | 267.2 | 1,906.0 | 69.0 | 8.1 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:44 | 0.8 | 0.7 | 18,652.5 | 0 | 267.1 | 1,906.0 | 69.0 | 7.8 | 0.029 | 14.2 | 292 |
| 2/10/2021 11:45 | 0.8 | 0.7 | 18,652.5 | 0 | 266.6 | 1,906.0 | 69.1 | 8.1 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:46 | 0.8 | 0.7 | 18,675.0 | 0 | 266.7 | 1,908.3 | 69.1 | 8.2 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:47 | 0.8 | 0.7 | 18,675.0 | 0 | 267.1 | 1,908.3 | 69.2 | 8.2 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:48 | 0.8 | 0.7 | 18,652.5 | 0 | 266.6 | 1,906.0 | 69.3 | 8.2 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:49 | 0.8 | 0.7 | 18,675.0 | 0 | 266.9 | 1,908.3 | 69.4 | 7.9 | 0.029 | 14.2 | 293 |
| 2/10/2021 11:50 | 0.7 | 0.6 | 18,630.0 | 0 | 266.4 | 1,903.7 | 69.4 | 8.2 | 0.030 | 14.2 | 291 |
| 2/10/2021 11:51 | 0.8 | 0.7 | 18,652.5 | 0 | 266.6 | 1,906.0 | 69.5 | 8.2 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:52 | 0.7 | 0.6 | 18,607.5 | 0 | 266.4 | 1,901.4 | 69.6 | 8.1 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:53 | 0.7 | 0.6 | 18,607.5 | 0 | 266.1 | 1,901.4 | 69.8 | 8.0 | 0.030 | 14.2 | 291 |
| 2/10/2021 11:54 | 0.7 | 0.6 | 18,652.5 | 0 | 266.3 | 1,906.0 | 69.8 | 8.0 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:55 | 0.7 | 0.6 | 18,607.5 | 0 | 266.0 | 1,901.4 | 70.0 | 8.0 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:56 | 0.8 | 0.7 | 18,607.5 | 0 | 266.2 | 1,901.4 | 70.0 | 8.0 | 0.030 | 14.2 | 293 |
| 2/10/2021 11:57 | 0.7 | 0.6 | 18,607.5 | 0 | 265.8 | 1,901.4 | 70.2 | 8.0 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:58 | 0.8 | 0.7 | 18,607.5 | 0 | 266.1 | 1,901.4 | 70.2 | 8.0 | 0.030 | 14.2 | 292 |
| 2/10/2021 11:59 | 0.8 | 0.7 | 18,607.5 | 0 | 265.6 | 1,901.4 | 70.3 | 8.0 | 0.030 | 14.2 | 291 |
| 2/10/2021 12:00 | 0.7 | 0.6 | 18,585.0 | 0 | 265.7 | 1,899.1 | 70.4 | 8.3 | 0.030 | 14.2 | 292 |
| 2/10/2021 12:01 | 0.7 | 0.6 | 18,585.0 | 0 | 265.4 | 1,899.1 | 70.5 | 8.2 | 0.030 | 14.2 | 291 |
| 2/10/2021 12:02 | 0.8 | 0.7 | 18,540.0 | 0 | 265.3 | 1,894.5 | 70.6 | 8.1 | 0.030 | 14.2 | 291 |
| 2/10/2021 12:03 | 0.7 | 0.6 | 18,562.5 | 0 | 265.5 | 1,896.8 | 70.7 | 8.0 | 0.030 | 14.2 | 292 |
| 2/10/2021 12:04 | 0.7 | 0.6 | 18,562.5 | 0 | 265.2 | 1,896.8 | 70.8 | 8.0 | 0.030 | 14.2 | 291 |
| 2/10/2021 12:05 | 0.7 | 0.6 | 18,562.5 | 0 | 265.1 | 1,896.8 | 70.8 | 8.2 | 0.030 | 14.2 | 292 |
| 2/10/2021 12:06 | 0.7 | 0.6 | 18,540.0 | 0 | 264.7 | 1,894.5 | 71.0 | 8.1 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:07 | 0.8 | 0.7 | 18,517.5 | 0 | 265.1 | 1,892.2 | 71.0 | 7.9 | 0.029 | 14.2 | 292 |
| 2/10/2021 12:08 | 0.8 | 0.7 | 18,517.5 | 0 | 264.5 | 1,892.2 | 71.2 | 8.3 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:09 | 0.8 | 0.7 | 18,517.5 | 0 | 264.8 | 1,892.2 | 71.2 | 8.2 | 0.030 | 14.2 | 292 |
| 2/10/2021 12:10 | 0.8 | 0.7 | 18,540.0 | 0 | 264.5 | 1,894.5 | 71.4 | 8.1 | 0.030 | 14.2 | 291 |
| 2/10/2021 12:11 | 0.8 | 0.7 | 18,540.0 | 0 | 264.4 | 1,894.5 | 71.4 | 8.1 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:12 | 0.7 | 0.6 | 18,540.0 | 0 | 264.2 | 1,894.5 | 71.6 | 8.1 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:13 | 0.7 | 0.6 | 18,495.0 | 0 | 264.2 | 1,889.9 | 71.8 | 8.1 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:14 | 0.7 | 0.6 | 18,495.0 | 0 | 264.3 | 1,889.9 | 71.9 | 8.0 | 0.030 | 14.2 | 291 |
| 2/10/2021 12:15 | 0.7 | 0.6 | 18,495.0 | 0 | 264.3 | 1,889.9 | 72.0 | 8.1 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:16 | 0.7 | 0.6 | 18,495.0 | 0 | 263.9 | 1,889.9 | 72.2 | 8.1 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:17 | 0.7 | 0.6 | 18,472.5 | 0 | 263.4 | 1,887.6 | 72.5 | 8.2 | 0.030 | 14.2 | 289 |
| 2/10/2021 12:18 | 0.7 | 0.6 | 18,450.0 | 0 | 263.8 | 1,885.3 | 72.7 | 8.2 | 0.030 | 14.2 | 291 |
| 2/10/2021 12:19 | 0.7 | 0.6 | 18,450.0 | 0 | 263.1 | 1,885.3 | 72.9 | 7.8 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:20 | 0.7 | 0.6 | 18,427.5 | 0 | 263.1 | 1,883.0 | 73.2 | 8.2 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:21 | 0.7 | 0.6 | 18,405.0 | 0 | 262.6 | 1,880.7 | 73.4 | 8.1 | 0.030 | 14.2 | 288 |
| 2/10/2021 12:22 | 0.7 | 0.6 | 18,427.5 | 0 | 263.1 | 1,883.0 | 73.5 | 7.9 | 0.029 | 14.2 | 290 |
| 2/10/2021 12:23 | 0.7 | 0.6 | 18,427.5 | 0 | 262.8 | 1,883.0 | 73.6 | 7.9 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:24 | 0.7 | 0.6 | 18,450.0 | 0 | 263.1 | 1,885.3 | 73.7 | 7.9 | 0.029 | 14.2 | 290 |
| 2/10/2021 12:25 | 0.7 | 0.6 | 18,405.0 | 0 | 262.6 | 1,880.7 | 73.7 | 7.9 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:26 | 0.7 | 0.6 | 18,427.5 | 0 | 262.4 | 1,883.0 | 73.8 | 7.9 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:27 | 0.7 | 0.6 | 18,405.0 | 0 | 262.7 | 1,880.7 | 73.8 | 7.9 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:28 | 0.7 | 0.6 | 18,382.5 | 0 | 262.6 | 1,878.4 | 74.0 | 7.9 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:29 | 0.7 | 0.6 | 18,405.0 | 0 | 262.6 | 1,880.7 | 74.1 | 7.9 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:30 | 0.7 | 0.6 | 18,405.0 | 0 | 262.0 | 1,880.7 | 74.2 | 7.9 | 0.029 | 14.2 | 289 |
| 2/10/2021 12:31 | 0.7 | 0.6 | 18,405.0 | 0 | 262.5 | 1,880.7 | 74.4 | 8.0 | 0.030 | 14.2 | 290 |

| Date/Time | 4C: CO_HRSG (PPM) Raw Value | 4C: CO_HRSG_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GAS_DB_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_HRSG_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_HRSG (PCT) Raw Value | 4C: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 12:32 | 0.7 | 0.6 | 18,337.5 | 0 | 261.7 | 1,873.8 | 74.5 | 8.0 | 0.030 | 14.2 | 289 |
| 2/10/2021 12:33 | 0.7 | 0.6 | 18,360.0 | 0 | 262.3 | 1,876.1 | 74.6 | 8.1 | 0.030 | 14.2 | 290 |
| 2/10/2021 12:34 | 0.7 | 0.6 | 18,337.5 | 0 | 261.6 | 1,873.8 | 74.7 | 8.1 | 0.030 | 14.2 | 288 |
| 2/10/2021 12:35 | 0.7 | 0.6 | 18,360.0 | 0 | 262.1 | 1,876.1 | 74.8 | 8.1 | 0.030 | 14.2 | 289 |
| 2/10/2021 12:36 | 0.6 | 0.5 | 18,360.0 | 0 | 261.4 | 1,876.1 | 74.9 | 8.1 | 0.030 | 14.2 | 288 |
| 2/10/2021 12:37 | 0.7 | 0.6 | 18,337.5 | 0 | 261.7 | 1,873.8 | 75.1 | 8.1 | 0.030 | 14.2 | 289 |
| 2/10/2021 12:38 | 0.7 | 0.6 | 18,292.5 | 0 | 261.3 | 1,869.2 | 75.3 | 7.7 | 0.029 | 14.2 | 288 |
| 2/10/2021 12:39 | 0.7 | 0.6 | 18,315.0 | 0 | 261.5 | 1,871.5 | 75.5 | 8.1 | 0.030 | 14.2 | 289 |
| 2/10/2021 12:40 | 0.7 | 0.6 | 18,315.0 | 0 | 261.1 | 1,871.5 | 75.6 | 8.1 | 0.030 | 14.2 | 287 |
| 2/10/2021 12:41 | 0.7 | 0.6 | 18,315.0 | 0 | 261.5 | 1,871.5 | 75.6 | 8.0 | 0.030 | 14.2 | 289 |
| 2/10/2021 12:42 | 0.7 | 0.6 | 18,315.0 | 0 | 261.2 | 1,871.5 | 75.6 | 7.9 | 0.029 | 14.2 | 288 |
| 2/10/2021 12:43 | 0.7 | 0.6 | 18,270.0 | 0 | 261.2 | 1,866.9 | 75.7 | 7.9 | 0.029 | 14.2 | 288 |
| 2/10/2021 12:44 | 0.7 | 0.6 | 18,337.5 | 0 | 261.2 | 1,873.8 | 75.8 | 7.9 | 0.029 | 14.2 | 288 |
| 2/10/2021 12:45 | 0.7 | 0.6 | 18,292.5 | 0 | 261.1 | 1,869.2 | 75.9 | 8.1 | 0.030 | 14.2 | 289 |
| 2/10/2021 12:46 | 0.7 | 0.6 | 18,225.0 | 0 | 260.4 | 1,862.3 | 76.1 | 8.1 | 0.030 | 14.2 | 287 |
| 2/10/2021 12:47 | 0.7 | 0.6 | 18,270.0 | 0 | 260.1 | 1,866.9 | 76.3 | 8.1 | 0.030 | 14.2 | 286 |
| 2/10/2021 12:48 | 0.7 | 0.6 | 18,270.0 | 0 | 259.5 | 1,866.9 | 76.4 | 8.0 | 0.030 | 14.2 | 284 |
| 2/10/2021 12:49 | 0.7 | 0.6 | 18,270.0 | 0 | 259.2 | 1,866.9 | 76.5 | 8.1 | 0.030 | 14.2 | 285 |
| 2/10/2021 12:50 | 0.6 | 0.5 | 18,270.0 | 0 | 259.2 | 1,866.9 | 76.6 | 8.2 | 0.030 | 14.2 | 284 |
| 2/10/2021 12:51 | 0.7 | 0.6 | 18,202.5 | 0 | 258.6 | 1,860.0 | 76.8 | 8.2 | 0.030 | 14.2 | 283 |
| 2/10/2021 12:52 | 0.7 | 0.6 | 18,247.5 | 0 | 259.3 | 1,864.6 | 76.9 | 7.9 | 0.029 | 14.2 | 284 |
| 2/10/2021 12:53 | 0.7 | 0.6 | 18,247.5 | 0 | 259.0 | 1,864.6 | 77.0 | 7.9 | 0.029 | 14.2 | 284 |
| 2/10/2021 12:54 | 0.7 | 0.6 | 18,225.0 | 0 | 258.8 | 1,862.3 | 77.1 | 8.2 | 0.030 | 14.2 | 283 |
| 2/10/2021 12:55 | 0.7 | 0.6 | 18,202.5 | 0 | 259.0 | 1,860.0 | 77.2 | 8.1 | 0.030 | 14.2 | 284 |
| 2/10/2021 12:56 | 0.7 | 0.6 | 18,225.0 | 0 | 258.5 | 1,862.3 | 77.2 | 8.0 | 0.030 | 14.2 | 283 |
| 2/10/2021 12:57 | 0.6 | 0.5 | 18,202.5 | 0 | 258.7 | 1,860.0 | 77.3 | 8.0 | 0.030 | 14.2 | 284 |
| 2/10/2021 12:58 | 0.7 | 0.6 | 18,180.0 | 0 | 258.7 | 1,857.7 | 77.3 | 8.0 | 0.030 | 14.2 | 284 |
| 2/10/2021 12:59 | 0.7 | 0.6 | 18,202.5 | 0 | 258.8 | 1,860.0 | 77.5 | 7.7 | 0.029 | 14.2 | 284 |
| 2/10/2021 13:00 | 0.6 | 0.5 | 18,202.5 | 0 | 258.9 | 1,860.0 | 77.5 | 7.9 | 0.029 | 14.2 | 284 |
| 2/10/2021 13:01 | 0.6 | 0.5 | 18,225.0 | 0 | 258.9 | 1,862.3 | 77.5 | 8.2 | 0.030 | 14.2 | 284 |
| 2/10/2021 13:02 | 0.6 | 0.5 | 18,180.0 | 0 | 258.7 | 1,857.7 | 77.5 | 8.0 | 0.030 | 14.2 | 284 |
| 2/10/2021 13:03 | 0.6 | 0.5 | 18,180.0 | 0 | 258.6 | 1,857.7 | 77.5 | 8.0 | 0.030 | 14.2 | 285 |
| 2/10/2021 13:04 | 0.6 | 0.5 | 18,180.0 | 0 | 258.5 | 1,857.7 | 77.7 | 7.9 | 0.029 | 14.2 | 285 |
| 2/10/2021 13:05 | 0.6 | 0.5 | 18,202.5 | 0 | 258.7 | 1,860.0 | 77.7 | 7.8 | 0.029 | 14.2 | 284 |
| 2/10/2021 13:06 | 0.6 | 0.5 | 18,180.0 | 0 | 258.7 | 1,857.7 | 77.7 | 7.9 | 0.029 | 14.2 | 284 |
| 2/10/2021 13:07 | 0.6 | 0.5 | 18,157.5 | 0 | 258.5 | 1,855.4 | 77.8 | 8.3 | 0.030 | 14.2 | 284 |
| 2/10/2021 13:08 | 0.6 | 0.5 | 18,180.0 | 0 | 258.4 | 1,857.7 | 77.8 | 8.1 | 0.030 | 14.2 | 284 |
| 2/10/2021 13:09 | 0.6 | 0.5 | 18,180.0 | 0 | 258.3 | 1,857.7 | 77.9 | 8.0 | 0.030 | 14.2 | 284 |
| 2/10/2021 13:10 | 0.7 | 0.6 | 18,157.5 | 0 | 258.3 | 1,855.4 | 77.9 | 7.9 | 0.029 | 14.2 | 283 |

# 4C Bypass

**Bartow - 4C Bypass Stack (*EU -040*)** **RATA Data**

**February 9, 2021**

| Run | Start | End | CO | CO @ 15% | CT Gas Flow | Unit Load | Heat Input (HHV) | Compressor Inlet Temp | NOx @ 15% | NOx Rate | $O_2$ | Average Heat Input (HHV) | Average Inlet Temp | Permit CT Heat Input (HHV) | Permit CT Heat Input at Inlet Temp (HHV) | CT Capacity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *ppm* | *ppm@15% $O_2$* | *HSCF* | *MW* | *mmBtu/hr* | *°F* | *ppm@15% $O_2$* | *lb/mmBtu* | *%* | *mmBtu/hr* | *°F* | *mmBtu/hr @59°F* | *mmBtu/hr* | *%* |
| 1 | 8:35 AM | 8:56 AM | 0.8 | 0.7 | 18,977.1 | 185.3 | 1,945.2 | 66.3 | 7.5 | 0.028 | 13.8 | | | | | |
| 2 | 9:25 AM | 9:46 AM | 0.8 | 0.7 | 18,922.5 | 184.4 | 1,939.6 | 66.2 | 7.3 | 0.027 | 13.9 | 1,940 | 66.2 | | 1,934 | 100% |
| 3 | 10:01 AM | 10:22 AM | 0.9 | 0.8 | 18,888.2 | 183.7 | 1,936.1 | 66.2 | 7.2 | 0.026 | 13.9 | | | | | |
| 4 | 10:34 AM | 10:55 AM | 0.9 | 0.8 | 18,918.2 | 183.5 | 1,933.2 | 66.7 | 7.1 | 0.026 | 13.9 | | | | | |
| 5 | 11:08 AM | 11:29 AM | 0.9 | 0.8 | 18,865.7 | 182.7 | 1,927.8 | 67.6 | 7.0 | 0.026 | 13.9 | 1,926 | 67.8 | 1,972 | 1,925 | 100% |
| 6 | 11:42 AM | 12:03 PM | 0.9 | 0.8 | 18,771.4 | 181.4 | 1,918.2 | 69.1 | 7.0 | 0.026 | 13.9 | | | | | |
| 7 | 12:14 PM | 12:35 PM | 0.8 | 0.7 | 18,663.2 | 180.2 | 1,907.1 | 70.9 | 7.0 | 0.026 | 13.9 | | | | | |
| 8 | 12:46 PM | 1:07 PM | 0.8 | 0.7 | 18,216.4 | 174.1 | 1,861.4 | 79.3 | 6.9 | 0.025 | 13.9 | 1,876 | 76.7 | | 1,876 | 100% |
| 9 | 1:18 PM | 1:39 PM | 0.8 | 0.7 | 18,191.8 | 173.6 | 1,858.9 | 80.0 | 6.8 | 0.025 | 13.9 | | | | | |
| | | **Average** | **0.8** | **0.7** | **18,712.7** | **181.0** | **1,914.2** | **70.3** | **7.1** | **0.026** | **13.9** | **1,914** | **70.3** | | **1,911** | **100%** |

| Date/Time | 4C: CO_BYP (PPM) Raw Value | 4C: CO_BYP_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_BYP_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 8:35 | 0.7 | 0.6 | 18,945.0 | 184.9 | 1,941.9 | 66.3 | 7.6 | 0.028 | 13.8 |
| 2/9/2021 8:36 | 0.7 | 0.6 | 18,967.5 | 185.0 | 1,944.2 | 66.3 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:37 | 0.8 | 0.7 | 18,967.5 | 185.4 | 1,944.2 | 66.3 | 7.3 | 0.027 | 13.8 |
| 2/9/2021 8:38 | 0.8 | 0.7 | 18,990.0 | 185.7 | 1,946.5 | 66.3 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:39 | 0.7 | 0.6 | 18,990.0 | 185.5 | 1,946.5 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:40 | 0.7 | 0.6 | 18,990.0 | 185.4 | 1,946.5 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:41 | 0.8 | 0.7 | 18,990.0 | 185.6 | 1,946.5 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:42 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:43 | 0.8 | 0.7 | 18,990.0 | 185.2 | 1,946.5 | 66.1 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:44 | 0.8 | 0.7 | 18,967.5 | 185.5 | 1,944.2 | 66.1 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:45 | 0.8 | 0.7 | 18,967.5 | 185.5 | 1,944.2 | 66.1 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:46 | 0.8 | 0.7 | 18,990.0 | 185.3 | 1,946.5 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:47 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:48 | 0.8 | 0.7 | 19,012.5 | 185.3 | 1,948.8 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:49 | 0.8 | 0.7 | 18,990.0 | 185.3 | 1,946.5 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:50 | 0.8 | 0.7 | 18,945.0 | 185.4 | 1,941.9 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:51 | 0.8 | 0.7 | 18,990.0 | 185.3 | 1,946.5 | 66.4 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:52 | 0.8 | 0.7 | 18,990.0 | 185.0 | 1,946.5 | 66.4 | 7.6 | 0.028 | 13.8 |
| 2/9/2021 8:53 | 0.8 | 0.7 | 18,967.5 | 185.2 | 1,944.2 | 66.4 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:54 | 0.8 | 0.7 | 18,922.5 | 185.0 | 1,939.6 | 66.5 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:55 | 0.8 | 0.7 | 18,967.5 | 185.1 | 1,944.2 | 66.5 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 8:56 | 0.8 | 0.7 | 18,967.5 | 185.2 | 1,944.2 | 66.5 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:57 | 0.8 | 0.7 | 18,967.5 | 185.3 | 1,944.2 | 66.5 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 8:58 | 0.8 | 0.7 | 18,990.0 | 185.3 | 1,946.5 | 66.5 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 8:59 | 0.8 | 0.7 | 18,990.0 | 185.5 | 1,946.5 | 66.4 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:00 | 0.8 | 0.7 | 19,012.5 | 185.4 | 1,948.8 | 66.3 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:01 | 0.8 | 0.7 | 19,012.5 | 185.5 | 1,948.8 | 66.2 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:02 | 0.8 | 0.7 | 18,990.0 | 185.6 | 1,946.5 | 66.1 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:03 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.0 | 7.5 | 0.028 | 13.8 |

| Date/Time | 4C: CO_BYP (PPM) Raw Value | 4C: CO_BYP_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_BYP_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 9:04 | 0.8 | 0.7 | 18,990.0 | 185.7 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:05 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:06 | 0.8 | 0.7 | 18,967.5 | 185.4 | 1,944.2 | 66.0 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:07 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:08 | 0.8 | 0.7 | 18,990.0 | 185.5 | 1,946.5 | 66.0 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:09 | 0.8 | 0.7 | 18,990.0 | 185.5 | 1,946.5 | 66.0 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:10 | 0.8 | 0.7 | 18,967.5 | 185.4 | 1,944.2 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:11 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:12 | 0.8 | 0.7 | 18,990.0 | 185.5 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:13 | 0.8 | 0.7 | 18,967.5 | 185.5 | 1,944.2 | 66.0 | 7.3 | 0.027 | 13.8 |
| 2/9/2021 9:14 | 0.8 | 0.7 | 18,967.5 | 185.5 | 1,944.2 | 66.0 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:15 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:16 | 0.8 | 0.7 | 18,990.0 | 185.2 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:17 | 0.8 | 0.7 | 18,990.0 | 185.4 | 1,946.5 | 66.0 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:18 | 0.8 | 0.7 | 18,967.5 | 185.4 | 1,944.2 | 66.1 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:19 | 0.8 | 0.7 | 18,967.5 | 185.3 | 1,944.2 | 66.1 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:20 | 0.8 | 0.7 | 18,945.0 | 185.2 | 1,941.9 | 66.1 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:21 | 0.8 | 0.7 | 19,012.5 | 185.5 | 1,948.8 | 66.1 | 7.3 | 0.027 | 13.9 |
| 2/9/2021 9:22 | 0.8 | 0.7 | 18,967.5 | 185.4 | 1,944.2 | 66.2 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:23 | 0.8 | 0.7 | 18,967.5 | 185.2 | 1,944.2 | 66.2 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:24 | 0.8 | 0.7 | 18,967.5 | 185.2 | 1,944.2 | 66.2 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:25 | 0.8 | 0.7 | 18,967.5 | 185.0 | 1,944.2 | 66.3 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:26 | 0.8 | 0.7 | 18,922.5 | 184.2 | 1,939.6 | 66.3 | 7.3 | 0.027 | 13.8 |
| 2/9/2021 9:27 | 0.8 | 0.7 | 18,877.5 | 183.5 | 1,935.0 | 66.3 | 7.3 | 0.027 | 13.8 |
| 2/9/2021 9:28 | 0.9 | 0.8 | 18,877.5 | 183.5 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:29 | 0.9 | 0.8 | 18,877.5 | 183.7 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:30 | 0.8 | 0.7 | 18,900.0 | 183.7 | 1,937.3 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:31 | 0.8 | 0.7 | 18,900.0 | 183.6 | 1,937.3 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:32 | 0.9 | 0.8 | 18,967.5 | 185.1 | 1,944.2 | 66.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 9:33 | 0.9 | 0.8 | 18,990.0 | 185.4 | 1,946.5 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:34 | 0.8 | 0.7 | 19,012.5 | 185.4 | 1,948.8 | 66.1 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:35 | 0.8 | 0.7 | 18,990.0 | 185.5 | 1,946.5 | 66.1 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:36 | 0.8 | 0.7 | 18,967.5 | 185.2 | 1,944.2 | 66.1 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:37 | 0.8 | 0.7 | 19,012.5 | 185.5 | 1,948.8 | 66.1 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:38 | 0.8 | 0.7 | 18,967.5 | 185.3 | 1,944.2 | 66.1 | 7.5 | 0.028 | 13.8 |
| 2/9/2021 9:39 | 0.8 | 0.7 | 18,945.0 | 184.9 | 1,941.9 | 66.1 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:40 | 0.8 | 0.7 | 18,855.0 | 183.6 | 1,932.7 | 66.1 | 7.4 | 0.027 | 13.8 |
| 2/9/2021 9:41 | 0.8 | 0.7 | 18,877.5 | 183.8 | 1,935.0 | 66.1 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:42 | 0.8 | 0.7 | 18,877.5 | 183.7 | 1,935.0 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:43 | 0.8 | 0.7 | 18,832.5 | 183.4 | 1,930.4 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:44 | 0.8 | 0.7 | 18,877.5 | 183.6 | 1,935.0 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:45 | 0.8 | 0.7 | 18,877.5 | 183.8 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:46 | 0.8 | 0.7 | 18,855.0 | 183.7 | 1,932.7 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:47 | 0.8 | 0.7 | 18,900.0 | 183.6 | 1,937.3 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 9:48 | 0.8 | 0.7 | 18,877.5 | 183.7 | 1,935.0 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 9:49 | 0.8 | 0.7 | 18,877.5 | 183.6 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:50 | 0.8 | 0.7 | 18,855.0 | 183.6 | 1,932.7 | 66.3 | 7.2 | 0.026 | 13.9 |

| Date/Time | 4C: CO_BYP (PPM) Raw Value | 4C: CO_BYP_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_BYP_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 9:51 | 0.8 | 0.7 | 18,900.0 | 183.7 | 1,937.3 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 9:52 | 0.8 | 0.7 | 18,877.5 | 183.6 | 1,935.0 | 66.4 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 9:53 | 0.8 | 0.7 | 18,855.0 | 183.6 | 1,932.7 | 66.4 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:54 | 0.9 | 0.8 | 18,855.0 | 183.7 | 1,932.7 | 66.4 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:55 | 0.9 | 0.8 | 18,877.5 | 183.8 | 1,935.0 | 66.4 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:56 | 0.8 | 0.7 | 18,900.0 | 183.5 | 1,937.3 | 66.4 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:57 | 0.8 | 0.7 | 18,877.5 | 183.8 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 9:58 | 0.8 | 0.7 | 18,855.0 | 183.7 | 1,932.7 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 9:59 | 0.8 | 0.7 | 18,877.5 | 184.0 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:00 | 0.9 | 0.8 | 18,900.0 | 183.9 | 1,937.3 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:01 | 0.8 | 0.7 | 18,877.5 | 183.8 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:02 | 0.9 | 0.8 | 18,900.0 | 183.8 | 1,937.3 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:03 | 0.8 | 0.7 | 18,877.5 | 183.7 | 1,935.0 | 66.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:04 | 0.8 | 0.7 | 18,877.5 | 183.8 | 1,935.0 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:05 | 0.9 | 0.8 | 18,855.0 | 183.8 | 1,932.7 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:06 | 0.9 | 0.8 | 18,877.5 | 183.6 | 1,935.0 | 66.1 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:07 | 0.9 | 0.8 | 18,877.5 | 183.7 | 1,935.0 | 66.1 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:08 | 0.9 | 0.8 | 18,855.0 | 184.2 | 1,932.7 | 66.1 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:09 | 0.9 | 0.8 | 18,877.5 | 183.8 | 1,935.0 | 66.1 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:10 | 0.9 | 0.8 | 18,877.5 | 183.8 | 1,935.0 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:11 | 0.9 | 0.8 | 18,900.0 | 183.9 | 1,937.3 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:12 | 0.9 | 0.8 | 18,900.0 | 183.7 | 1,937.3 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:13 | 0.9 | 0.8 | 18,900.0 | 183.6 | 1,937.3 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:14 | 0.9 | 0.8 | 18,900.0 | 183.8 | 1,937.3 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:15 | 0.9 | 0.8 | 18,900.0 | 183.6 | 1,937.3 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:16 | 0.9 | 0.8 | 18,877.5 | 183.7 | 1,935.0 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:17 | 0.9 | 0.8 | 18,877.5 | 183.8 | 1,935.0 | 66.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:18 | 0.9 | 0.8 | 18,922.5 | 183.6 | 1,939.6 | 66.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:19 | 0.9 | 0.8 | 18,900.0 | 183.8 | 1,937.3 | 66.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:20 | 0.9 | 0.8 | 18,922.5 | 183.9 | 1,939.6 | 66.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:21 | 0.8 | 0.7 | 18,900.0 | 183.3 | 1,937.3 | 66.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:22 | 0.9 | 0.8 | 18,922.5 | 183.3 | 1,939.6 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:23 | 0.9 | 0.8 | 18,900.0 | 183.7 | 1,931.3 | 66.4 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:24 | 0.9 | 0.8 | 18,945.0 | 183.5 | 1,935.9 | 66.5 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:25 | 0.9 | 0.8 | 18,900.0 | 183.5 | 1,931.3 | 66.5 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:26 | 0.9 | 0.8 | 18,900.0 | 183.4 | 1,931.3 | 66.5 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:27 | 0.9 | 0.8 | 18,900.0 | 183.7 | 1,931.3 | 66.5 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:28 | 0.8 | 0.7 | 18,877.5 | 183.3 | 1,929.0 | 66.4 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:29 | 0.9 | 0.8 | 18,900.0 | 183.3 | 1,931.3 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:30 | 0.8 | 0.7 | 18,922.5 | 183.9 | 1,933.6 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:31 | 0.9 | 0.8 | 18,922.5 | 183.4 | 1,933.6 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:32 | 0.9 | 0.8 | 18,877.5 | 183.7 | 1,929.0 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:33 | 0.9 | 0.8 | 18,877.5 | 183.7 | 1,929.0 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:34 | 0.9 | 0.8 | 18,945.0 | 183.8 | 1,935.9 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:35 | 0.9 | 0.8 | 18,922.5 | 183.5 | 1,933.6 | 66.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:36 | 0.9 | 0.8 | 18,922.5 | 183.8 | 1,933.6 | 66.3 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:37 | 0.9 | 0.8 | 18,900.0 | 183.4 | 1,931.3 | 66.4 | 7.2 | 0.026 | 13.9 |

| Date/Time | 4C: CO_BYP (PPM) Raw Value | 4C: CO_BYP_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_BYP_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 10:38 | 0.9 | 0.8 | 18,922.5 | 183.3 | 1,933.6 | 66.6 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:39 | 0.9 | 0.8 | 18,900.0 | 183.3 | 1,931.3 | 66.6 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:40 | 0.9 | 0.8 | 18,900.0 | 183.5 | 1,931.3 | 66.8 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 10:41 | 0.9 | 0.8 | 18,900.0 | 183.1 | 1,931.3 | 66.8 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:42 | 0.9 | 0.8 | 18,900.0 | 183.2 | 1,931.3 | 67.0 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:43 | 0.9 | 0.8 | 18,877.5 | 183.1 | 1,929.0 | 67.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:44 | 0.9 | 0.8 | 18,877.5 | 183.5 | 1,929.0 | 67.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:45 | 0.9 | 0.8 | 18,945.0 | 183.6 | 1,935.9 | 67.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:46 | 0.9 | 0.8 | 18,922.5 | 183.5 | 1,933.6 | 66.8 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:47 | 0.9 | 0.8 | 18,922.5 | 183.6 | 1,933.6 | 66.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:48 | 0.8 | 0.7 | 18,922.5 | 183.6 | 1,933.6 | 66.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:49 | 0.8 | 0.7 | 18,922.5 | 183.6 | 1,933.6 | 66.7 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:50 | 0.9 | 0.8 | 18,945.0 | 183.8 | 1,935.9 | 66.7 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:51 | 0.9 | 0.8 | 18,945.0 | 183.6 | 1,935.9 | 66.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:52 | 0.8 | 0.7 | 18,922.5 | 184.1 | 1,933.6 | 66.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:53 | 0.8 | 0.7 | 18,922.5 | 183.6 | 1,933.6 | 66.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:54 | 0.8 | 0.7 | 18,945.0 | 183.6 | 1,935.9 | 66.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:55 | 0.9 | 0.8 | 18,922.5 | 183.6 | 1,933.6 | 66.7 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:56 | 0.9 | 0.8 | 18,922.5 | 183.5 | 1,933.6 | 66.7 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:57 | 0.8 | 0.7 | 18,922.5 | 183.3 | 1,933.6 | 66.9 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 10:58 | 0.9 | 0.8 | 18,922.5 | 183.2 | 1,933.6 | 66.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 10:59 | 0.8 | 0.7 | 18,900.0 | 183.3 | 1,931.3 | 67.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:00 | 0.8 | 0.7 | 18,900.0 | 183.0 | 1,931.3 | 67.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:01 | 0.9 | 0.8 | 18,900.0 | 183.0 | 1,931.3 | 67.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:02 | 0.9 | 0.8 | 18,877.5 | 182.7 | 1,929.0 | 67.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:03 | 0.9 | 0.8 | 18,877.5 | 182.8 | 1,929.0 | 67.1 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:04 | 0.9 | 0.8 | 18,900.0 | 183.1 | 1,931.3 | 67.1 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:05 | 0.9 | 0.8 | 18,900.0 | 182.8 | 1,931.3 | 67.1 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:06 | 0.9 | 0.8 | 18,877.5 | 183.1 | 1,929.0 | 67.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:07 | 0.9 | 0.8 | 18,855.0 | 182.7 | 1,926.7 | 67.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:08 | 0.9 | 0.8 | 18,877.5 | 182.9 | 1,929.0 | 67.5 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:09 | 0.9 | 0.8 | 18,877.5 | 182.7 | 1,929.0 | 67.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:10 | 0.9 | 0.8 | 18,877.5 | 182.8 | 1,929.0 | 67.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:11 | 0.9 | 0.8 | 18,877.5 | 182.8 | 1,929.0 | 67.4 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:12 | 0.9 | 0.8 | 18,877.5 | 182.6 | 1,929.0 | 67.4 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:13 | 0.9 | 0.8 | 18,900.0 | 182.7 | 1,931.3 | 67.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:14 | 0.9 | 0.8 | 18,877.5 | 182.7 | 1,929.0 | 67.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:15 | 0.9 | 0.8 | 18,877.5 | 182.8 | 1,929.0 | 67.4 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:16 | 0.9 | 0.8 | 18,832.5 | 182.5 | 1,924.4 | 67.4 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:17 | 0.9 | 0.8 | 18,855.0 | 182.5 | 1,926.7 | 67.4 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:18 | 0.9 | 0.8 | 18,855.0 | 182.7 | 1,926.7 | 67.4 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:19 | 0.9 | 0.8 | 18,855.0 | 182.7 | 1,926.7 | 67.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:20 | 0.9 | 0.8 | 18,832.5 | 182.8 | 1,924.4 | 67.6 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:21 | 0.9 | 0.8 | 18,855.0 | 182.5 | 1,926.7 | 67.6 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:22 | 0.9 | 0.8 | 18,877.5 | 182.7 | 1,929.0 | 67.6 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 11:23 | 0.9 | 0.8 | 18,855.0 | 182.6 | 1,926.7 | 67.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:24 | 0.8 | 0.7 | 18,855.0 | 182.2 | 1,926.7 | 67.8 | 7.0 | 0.026 | 13.9 |

| Date/Time | 4C: CO_BYP (PPM) Raw Value | 4C: CO_BYP_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_BYP_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 11:25 | 0.9 | 0.8 | 18,855.0 | 182.5 | 1,926.7 | 67.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:26 | 0.9 | 0.8 | 18,900.0 | 182.7 | 1,931.3 | 67.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:27 | 0.9 | 0.8 | 18,855.0 | 182.7 | 1,926.7 | 67.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:28 | 0.8 | 0.7 | 18,855.0 | 182.6 | 1,926.7 | 67.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:29 | 0.9 | 0.8 | 18,855.0 | 182.8 | 1,926.7 | 67.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:30 | 0.9 | 0.8 | 18,877.5 | 182.5 | 1,929.0 | 67.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:31 | 0.9 | 0.8 | 18,855.0 | 182.2 | 1,926.7 | 67.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:32 | 0.9 | 0.8 | 18,832.5 | 182.5 | 1,924.4 | 68.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:33 | 0.8 | 0.7 | 18,855.0 | 182.3 | 1,926.7 | 68.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:34 | 0.8 | 0.7 | 18,832.5 | 182.5 | 1,924.4 | 68.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:35 | 0.9 | 0.8 | 18,810.0 | 182.1 | 1,922.1 | 68.1 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:36 | 0.9 | 0.8 | 18,832.5 | 182.0 | 1,924.4 | 68.2 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:37 | 0.9 | 0.8 | 18,810.0 | 182.1 | 1,922.1 | 68.2 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:38 | 0.9 | 0.8 | 18,787.5 | 182.1 | 1,919.8 | 68.3 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:39 | 0.9 | 0.8 | 18,765.0 | 181.8 | 1,917.5 | 68.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:40 | 0.9 | 0.8 | 18,787.5 | 181.6 | 1,919.8 | 68.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:41 | 0.9 | 0.8 | 18,832.5 | 181.4 | 1,924.4 | 68.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:42 | 0.9 | 0.8 | 18,765.0 | 181.7 | 1,917.5 | 68.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:43 | 0.9 | 0.8 | 18,720.0 | 181.2 | 1,912.9 | 69.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:44 | 0.9 | 0.8 | 18,787.5 | 181.4 | 1,919.8 | 69.1 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:45 | 0.9 | 0.8 | 18,742.5 | 181.3 | 1,915.2 | 69.2 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 11:46 | 0.9 | 0.8 | 18,855.0 | 181.2 | 1,926.7 | 69.3 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:47 | 0.9 | 0.8 | 18,765.0 | 181.3 | 1,917.5 | 69.3 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:48 | 0.9 | 0.8 | 18,742.5 | 181.3 | 1,915.2 | 69.3 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 11:49 | 0.9 | 0.8 | 18,765.0 | 181.4 | 1,917.5 | 69.3 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 11:50 | 0.9 | 0.8 | 18,720.0 | 181.3 | 1,912.9 | 69.3 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 11:51 | 0.9 | 0.8 | 18,787.5 | 181.0 | 1,919.8 | 69.3 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 11:52 | 0.9 | 0.8 | 18,765.0 | 181.3 | 1,917.5 | 69.3 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:53 | 0.9 | 0.8 | 18,765.0 | 181.6 | 1,917.5 | 69.2 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 11:54 | 0.9 | 0.8 | 18,787.5 | 181.6 | 1,919.8 | 69.1 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 11:55 | 0.9 | 0.8 | 18,765.0 | 181.2 | 1,917.5 | 69.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:56 | 0.9 | 0.8 | 18,787.5 | 181.6 | 1,919.8 | 69.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:57 | 0.9 | 0.8 | 18,787.5 | 181.7 | 1,919.8 | 68.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:58 | 0.8 | 0.7 | 18,787.5 | 181.8 | 1,919.8 | 68.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 11:59 | 0.9 | 0.8 | 18,765.0 | 181.3 | 1,917.5 | 68.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:00 | 0.9 | 0.8 | 18,765.0 | 181.4 | 1,917.5 | 68.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:01 | 0.8 | 0.7 | 18,787.5 | 181.1 | 1,919.8 | 69.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:02 | 0.8 | 0.7 | 18,787.5 | 181.5 | 1,919.8 | 69.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:03 | 0.8 | 0.7 | 18,765.0 | 181.3 | 1,917.5 | 69.1 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:04 | 0.8 | 0.7 | 18,765.0 | 181.5 | 1,917.5 | 69.1 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:05 | 0.8 | 0.7 | 18,765.0 | 181.6 | 1,917.5 | 69.1 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:06 | 0.9 | 0.8 | 18,765.0 | 181.6 | 1,917.5 | 69.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:07 | 0.9 | 0.8 | 18,742.5 | 181.1 | 1,915.2 | 69.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:08 | 0.9 | 0.8 | 18,742.5 | 181.1 | 1,915.2 | 69.1 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:09 | 0.9 | 0.8 | 18,697.5 | 181.2 | 1,910.6 | 69.2 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:10 | 0.9 | 0.8 | 18,720.0 | 180.8 | 1,912.9 | 69.4 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:11 | 0.9 | 0.8 | 18,697.5 | 180.5 | 1,910.6 | 69.6 | 7.1 | 0.026 | 13.9 |

| Date/Time | 4C: CO_BYP (PPM) Raw Value | 4C: CO_BYP_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_BYP_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 12:12 | 0.9 | 0.8 | 18,697.5 | 180.3 | 1,910.6 | 70.1 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 12:13 | 0.9 | 0.8 | 18,652.5 | 179.8 | 1,906.0 | 70.4 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 12:14 | 0.9 | 0.8 | 18,630.0 | 180.0 | 1,903.7 | 70.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:15 | 0.9 | 0.8 | 18,630.0 | 179.5 | 1,903.7 | 70.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:16 | 0.9 | 0.8 | 18,630.0 | 179.8 | 1,903.7 | 71.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:17 | 0.9 | 0.8 | 18,630.0 | 179.9 | 1,903.7 | 71.1 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:18 | 0.8 | 0.7 | 18,607.5 | 179.7 | 1,901.4 | 71.3 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:19 | 0.8 | 0.7 | 18,630.0 | 179.4 | 1,903.7 | 71.4 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:20 | 0.9 | 0.8 | 18,630.0 | 180.2 | 1,903.7 | 71.6 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:21 | 0.9 | 0.8 | 18,697.5 | 180.5 | 1,910.6 | 71.4 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:22 | 0.9 | 0.8 | 18,675.0 | 180.6 | 1,908.3 | 71.1 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:23 | 0.8 | 0.7 | 18,675.0 | 180.7 | 1,908.3 | 70.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:24 | 0.8 | 0.7 | 18,675.0 | 180.5 | 1,908.3 | 70.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:25 | 0.8 | 0.7 | 18,675.0 | 180.5 | 1,908.3 | 70.7 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:26 | 0.8 | 0.7 | 18,675.0 | 180.3 | 1,908.3 | 70.6 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:27 | 0.8 | 0.7 | 18,697.5 | 180.3 | 1,910.6 | 70.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:28 | 0.8 | 0.7 | 18,720.0 | 180.3 | 1,912.9 | 70.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:29 | 0.8 | 0.7 | 18,720.0 | 180.4 | 1,912.9 | 70.5 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:30 | 0.8 | 0.7 | 18,652.5 | 180.0 | 1,906.0 | 70.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:31 | 0.8 | 0.7 | 18,675.0 | 180.3 | 1,908.3 | 70.7 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:32 | 0.8 | 0.7 | 18,697.5 | 180.4 | 1,910.6 | 70.7 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:33 | 0.8 | 0.7 | 18,652.5 | 180.0 | 1,906.0 | 70.9 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:34 | 0.8 | 0.7 | 18,652.5 | 180.0 | 1,906.0 | 71.0 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:35 | 0.8 | 0.7 | 18,652.5 | 180.0 | 1,906.0 | 71.1 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:36 | 0.8 | 0.7 | 18,630.0 | 179.6 | 1,903.7 | 71.1 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:37 | 0.8 | 0.7 | 18,675.0 | 179.8 | 1,908.3 | 71.2 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:38 | 0.8 | 0.7 | 18,607.5 | 178.8 | 1,901.4 | 71.6 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:39 | 0.8 | 0.7 | 18,562.5 | 178.6 | 1,896.8 | 72.1 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:40 | 0.8 | 0.7 | 18,540.0 | 177.8 | 1,894.5 | 72.8 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:41 | 0.8 | 0.7 | 18,450.0 | 177.3 | 1,885.3 | 73.6 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:42 | 0.7 | 0.6 | 18,427.5 | 176.8 | 1,883.0 | 74.5 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 12:43 | 0.7 | 0.6 | 18,450.0 | 176.3 | 1,885.3 | 75.2 | 7.2 | 0.026 | 13.9 |
| 2/9/2021 12:44 | 0.8 | 0.7 | 18,360.0 | 176.0 | 1,876.1 | 75.8 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:45 | 0.8 | 0.7 | 18,337.5 | 175.6 | 1,873.8 | 76.3 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:46 | 0.8 | 0.7 | 18,315.0 | 175.1 | 1,871.5 | 77.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:47 | 0.8 | 0.7 | 18,270.0 | 174.9 | 1,866.9 | 77.6 | 7.1 | 0.026 | 13.9 |
| 2/9/2021 12:48 | 0.8 | 0.7 | 18,247.5 | 174.9 | 1,864.6 | 78.1 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 12:49 | 0.8 | 0.7 | 18,270.0 | 175.0 | 1,866.9 | 78.3 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:50 | 0.8 | 0.7 | 18,247.5 | 174.7 | 1,864.6 | 78.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:51 | 0.8 | 0.7 | 18,270.0 | 174.6 | 1,866.9 | 78.6 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:52 | 0.8 | 0.7 | 18,225.0 | 174.1 | 1,862.3 | 78.7 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:53 | 0.8 | 0.7 | 18,247.5 | 174.2 | 1,864.6 | 78.8 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:54 | 0.8 | 0.7 | 18,247.5 | 174.4 | 1,864.6 | 79.0 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 12:55 | 0.8 | 0.7 | 18,202.5 | 173.9 | 1,860.0 | 79.2 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:56 | 0.7 | 0.6 | 18,180.0 | 173.8 | 1,857.7 | 79.5 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 12:57 | 0.8 | 0.7 | 18,202.5 | 173.7 | 1,860.0 | 79.7 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 12:58 | 0.7 | 0.6 | 18,180.0 | 173.5 | 1,857.7 | 79.9 | 6.8 | 0.025 | 13.9 |

| Date/Time | 4C: CO_BYP (PPM) Raw Value | 4C: CO_BYP_C15 (PPM) Raw Value | 4C: GAS_CT_EPA (HSCF) Raw Value | 4C: GEN (MW) Raw Value | 4C: HTIP (MMBTUHR) Raw Value | 4C: INLET_TEMP (DEGF) Raw Value | 4C: NOX_BYP_C15 (PPM) Raw Value | 4C: NOX_RT (LBMMBTU) Raw Value | 4C: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 12:59 | 0.7 | 0.6 | 18,180.0 | 173.5 | 1,857.7 | 80.0 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:00 | 0.7 | 0.6 | 18,225.0 | 173.7 | 1,862.3 | 80.2 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:01 | 0.7 | 0.6 | 18,180.0 | 173.3 | 1,857.7 | 80.3 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:02 | 0.8 | 0.7 | 18,157.5 | 173.3 | 1,855.4 | 80.4 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:03 | 0.8 | 0.7 | 18,157.5 | 173.4 | 1,855.4 | 80.5 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:04 | 0.8 | 0.7 | 18,157.5 | 173.5 | 1,855.4 | 80.5 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:05 | 0.8 | 0.7 | 18,202.5 | 173.9 | 1,860.0 | 80.3 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:06 | 0.8 | 0.7 | 18,180.0 | 173.8 | 1,857.7 | 80.2 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:07 | 0.8 | 0.7 | 18,225.0 | 174.0 | 1,862.3 | 79.9 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:08 | 0.8 | 0.7 | 18,270.0 | 173.9 | 1,866.9 | 79.6 | 6.7 | 0.025 | 13.9 |
| 2/9/2021 13:09 | 0.7 | 0.6 | 18,202.5 | 173.6 | 1,860.0 | 79.5 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:10 | 0.7 | 0.6 | 18,202.5 | 173.6 | 1,860.0 | 79.7 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:11 | 0.7 | 0.6 | 18,157.5 | 173.3 | 1,855.4 | 80.0 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:12 | 0.7 | 0.6 | 18,157.5 | 173.4 | 1,855.4 | 80.3 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 13:13 | 0.7 | 0.6 | 18,180.0 | 173.6 | 1,857.7 | 80.4 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:14 | 0.7 | 0.6 | 18,180.0 | 173.5 | 1,857.7 | 80.2 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:15 | 0.8 | 0.7 | 18,157.5 | 173.4 | 1,855.4 | 80.2 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:16 | 0.8 | 0.7 | 18,157.5 | 173.0 | 1,855.4 | 80.2 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:17 | 0.8 | 0.7 | 18,135.0 | 173.0 | 1,853.1 | 80.4 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:18 | 0.8 | 0.7 | 18,180.0 | 173.1 | 1,857.7 | 80.6 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:19 | 0.8 | 0.7 | 18,157.5 | 173.5 | 1,855.4 | 80.6 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:20 | 0.8 | 0.7 | 18,202.5 | 173.6 | 1,860.0 | 80.5 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:21 | 0.8 | 0.7 | 18,202.5 | 174.0 | 1,860.0 | 80.1 | 6.7 | 0.025 | 13.9 |
| 2/9/2021 13:22 | 0.8 | 0.7 | 18,180.0 | 173.8 | 1,857.7 | 79.9 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:23 | 0.8 | 0.7 | 18,202.5 | 173.4 | 1,860.0 | 79.8 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:24 | 0.8 | 0.7 | 18,157.5 | 173.5 | 1,855.4 | 80.0 | 7.0 | 0.026 | 13.9 |
| 2/9/2021 13:25 | 0.8 | 0.7 | 18,180.0 | 173.3 | 1,857.7 | 80.1 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:26 | 0.8 | 0.7 | 18,157.5 | 173.5 | 1,855.4 | 80.2 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:27 | 0.8 | 0.7 | 18,202.5 | 173.7 | 1,860.0 | 80.1 | 6.7 | 0.025 | 13.9 |
| 2/9/2021 13:28 | 0.8 | 0.7 | 18,225.0 | 173.7 | 1,862.3 | 80.0 | 6.7 | 0.025 | 13.9 |
| 2/9/2021 13:29 | 0.8 | 0.7 | 18,180.0 | 173.5 | 1,857.7 | 80.0 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:30 | 0.8 | 0.7 | 18,202.5 | 173.6 | 1,860.0 | 79.9 | 6.9 | 0.025 | 13.9 |
| 2/9/2021 13:31 | 0.8 | 0.7 | 18,202.5 | 173.7 | 1,860.0 | 79.8 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:32 | 0.8 | 0.7 | 18,202.5 | 173.8 | 1,860.0 | 79.8 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:33 | 0.8 | 0.7 | 18,202.5 | 173.7 | 1,860.0 | 79.8 | 6.7 | 0.025 | 13.9 |
| 2/9/2021 13:34 | 0.8 | 0.7 | 18,202.5 | 173.7 | 1,860.0 | 79.8 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:35 | 0.8 | 0.7 | 18,225.0 | 173.8 | 1,862.3 | 79.8 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:36 | 0.8 | 0.7 | 18,202.5 | 173.4 | 1,860.0 | 79.8 | 6.7 | 0.025 | 13.9 |
| 2/9/2021 13:37 | 0.8 | 0.7 | 18,202.5 | 174.0 | 1,860.0 | 80.0 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:38 | 0.8 | 0.7 | 18,157.5 | 173.8 | 1,855.4 | 80.0 | 6.8 | 0.025 | 13.9 |
| 2/9/2021 13:39 | 0.8 | 0.7 | 18,202.5 | 173.8 | 1,860.0 | 80.0 | 6.7 | 0.025 | 13.9 |

# Unit 4D HRSG

**Bartow - 4D HRSG Stack (*EU -041*)** **RATA Data**

**February 9, 2021**

| Run | Start *EST* | End *EST* | CO *ppm* | CO @ 15% *ppm@15% $O_2$* | CT Gas Flow *HSCF/hr* | DB Gas Flow *HSCF/hr* | Unit Load *MW* | Heat Input (HHV) *mmBtu/hr* | Compressor Inlet Temp *°F* | NOx @ 15% *ppm@15% $O_2$* | NOx Rate *lb/mmBtu* | $O_2$ *%* | Steam Flow *KPPH* | Average Heat Input (HHV) *mmBtu/hr* | Average Inlet Temp *°F* | Permit CT Heat Input (HHV) *mmBtu/hr @59°F* | Permit CT Heat Input at Inlet Temp (HHV) *mmBtu/hr* | CT Capacity *%* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8:35 AM | 8:56 AM | 2.8 | 2.4 | 17,157.9 | 0 | 250.9 | 1,758.7 | 69.8 | 6.8 | 0.025 | 13.9 | 283 | | | | | |
| 2 | 9:25 AM | 9:46 AM | 2.8 | 2.4 | 17,156.8 | 0 | 250.7 | 1,758.6 | 69.9 | 6.8 | 0.025 | 13.9 | 282 | 1,759 | 69.9 | | 1,914 | 92% |
| 3 | 10:01 AM | 10:22 AM | 2.9 | 2.4 | 17,173.9 | 0 | 251.0 | 1,760.4 | 70.0 | 6.8 | 0.025 | 13.9 | 282 | | | | | |
| 4 | 10:34 AM | 10:55 AM | 2.9 | 2.4 | 17,162.1 | 0 | 250.8 | 1,753.7 | 70.5 | 6.8 | 0.025 | 13.9 | 281 | | | | | |
| 5 | 11:08 AM | 11:29 AM | 2.9 | 2.4 | 17,180.4 | 0 | 251.3 | 1,755.5 | 71.3 | 6.7 | 0.025 | 13.9 | 282 | 1,755 | 71.4 | 1,972 | 1,906 | 92% |
| 6 | 11:42 AM | 12:03 PM | 2.8 | 2.4 | 17,186.8 | 0 | 251.6 | 1,756.2 | 72.5 | 6.7 | 0.025 | 13.9 | 283 | | | | | |
| 7 | 12:14 PM | 12:35 PM | 2.8 | 2.4 | 17,182.5 | 0 | 251.7 | 1,755.7 | 73.7 | 7.2 | 0.026 | 13.9 | 283 | | | | | |
| 8 | 12:46 PM | 1:07 PM | 2.5 | 2.2 | 17,229.6 | 0 | 252.7 | 1,760.6 | 78.6 | 8.1 | 0.030 | 13.9 | 287 | 1,761 | 78.0 | | 1,868 | 94% |
| 9 | 1:18 PM | 1:39 PM | 2.4 | 2.0 | 17,288.6 | 0 | 254.1 | 1,766.6 | 81.8 | 7.7 | 0.028 | 14.0 | 290 | | | | | |
| | | **Average** | **2.8** | **2.3** | **17,191.0** | **0** | **251.6** | **1,758.4** | **73.1** | **7.1** | **0.026** | **13.9** | **284** | **1,758** | **73.1** | | **1,896** | **93%** |

| Date/Time | 4D: CO_HRSG (PPM) Raw Value | 4D: CO_HRSG_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GAS_DB_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_HRSG_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_HRSG (PCT) Raw Value | 4D: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 8:35 | 2.8 | 2.4 | 17,122.5 | 0 | 250.8 | 1,755.1 | 69.8 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:36 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,759.7 | 69.8 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:37 | 2.8 | 2.4 | 17,167.5 | 0 | 251.2 | 1,759.7 | 69.8 | 6.8 | 0.025 | 13.9 | 284 |
| 2/9/2021 8:38 | 2.9 | 2.4 | 17,190.0 | 0 | 251.1 | 1,762.0 | 69.8 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:39 | 2.8 | 2.4 | 17,145.0 | 0 | 251.1 | 1,757.4 | 69.8 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:40 | 2.8 | 2.4 | 17,167.5 | 0 | 251.2 | 1,759.7 | 69.8 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:41 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,759.7 | 69.8 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:42 | 2.8 | 2.4 | 17,145.0 | 0 | 251.1 | 1,757.4 | 69.8 | 6.8 | 0.025 | 13.9 | 284 |
| 2/9/2021 8:43 | 2.8 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.6 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:44 | 2.8 | 2.4 | 17,145.0 | 0 | 250.6 | 1,757.4 | 69.6 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:45 | 2.8 | 2.4 | 17,100.0 | 0 | 250.3 | 1,752.8 | 69.6 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 8:46 | 2.8 | 2.4 | 17,122.5 | 0 | 250.3 | 1,755.1 | 69.7 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 8:47 | 2.8 | 2.4 | 17,167.5 | 0 | 250.4 | 1,759.7 | 69.8 | 7.0 | 0.026 | 13.9 | 283 |
| 2/9/2021 8:48 | 2.8 | 2.4 | 17,145.0 | 0 | 250.7 | 1,757.4 | 69.8 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:49 | 2.8 | 2.4 | 17,145.0 | 0 | 250.7 | 1,757.4 | 69.8 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 8:50 | 2.8 | 2.4 | 17,190.0 | 0 | 251.1 | 1,762.0 | 69.8 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:51 | 2.9 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.9 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 8:52 | 2.8 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.9 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:53 | 2.9 | 2.4 | 17,167.5 | 0 | 251.3 | 1,759.7 | 69.9 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 8:54 | 2.8 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.9 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:55 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,762.0 | 69.9 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 8:56 | 2.8 | 2.4 | 17,145.0 | 0 | 251.0 | 1,757.4 | 70.1 | 6.8 | 0.025 | 13.9 | 284 |
| 2/9/2021 8:57 | 2.9 | 2.4 | 17,167.5 | 0 | 251.2 | 1,759.7 | 70.1 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 8:58 | 2.9 | 2.4 | 17,122.5 | 0 | 250.7 | 1,755.1 | 70.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 8:59 | 2.9 | 2.4 | 17,145.0 | 0 | 250.5 | 1,757.4 | 69.9 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:00 | 2.7 | 2.3 | 17,122.5 | 0 | 250.1 | 1,755.1 | 69.9 | 7.0 | 0.026 | 13.9 | 282 |
| 2/9/2021 9:01 | 2.8 | 2.4 | 17,122.5 | 0 | 250.2 | 1,755.1 | 69.8 | 7.0 | 0.026 | 13.9 | 282 |
| 2/9/2021 9:02 | 2.8 | 2.4 | 17,167.5 | 0 | 250.5 | 1,759.7 | 69.7 | 7.0 | 0.026 | 13.9 | 282 |
| 2/9/2021 9:03 | 2.8 | 2.4 | 17,167.5 | 0 | 250.8 | 1,759.7 | 69.7 | 7.0 | 0.026 | 13.9 | 282 |
| 2/9/2021 9:04 | 2.8 | 2.4 | 17,167.5 | 0 | 251.2 | 1,759.7 | 69.6 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:05 | 2.9 | 2.4 | 17,145.0 | 0 | 251.2 | 1,757.4 | 69.6 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 9:06 | 2.9 | 2.4 | 17,190.0 | 0 | 251.4 | 1,762.0 | 69.6 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:07 | 2.9 | 2.4 | 17,212.5 | 0 | 251.6 | 1,764.3 | 69.6 | 6.8 | 0.025 | 13.9 | 284 |
| 2/9/2021 9:08 | 2.9 | 2.4 | 17,167.5 | 0 | 251.2 | 1,759.7 | 69.7 | 6.7 | 0.025 | 13.9 | 283 |

| Date/Time | 4D: CO_HRSG (PPM) Raw Value | 4D: CO_HRSG_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GAS_DB_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_HRSG_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_HRSG (PCT) Raw Value | 4D: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 9:09 | 2.9 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.7 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:10 | 2.9 | 2.4 | 17,190.0 | 0 | 251.0 | 1,762.0 | 69.7 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:11 | 2.9 | 2.4 | 17,190.0 | 0 | 250.9 | 1,762.0 | 69.7 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:12 | 2.9 | 2.4 | 17,122.5 | 0 | 250.1 | 1,755.1 | 69.7 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:13 | 2.9 | 2.4 | 17,145.0 | 0 | 250.2 | 1,757.4 | 69.7 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:14 | 2.8 | 2.4 | 17,122.5 | 0 | 250.3 | 1,755.1 | 69.7 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:15 | 2.8 | 2.4 | 17,145.0 | 0 | 250.6 | 1,757.4 | 69.8 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:16 | 2.8 | 2.4 | 17,145.0 | 0 | 250.3 | 1,757.4 | 69.8 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:17 | 2.9 | 2.4 | 17,167.5 | 0 | 250.5 | 1,759.7 | 69.8 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:18 | 2.8 | 2.4 | 17,190.0 | 0 | 251.0 | 1,762.0 | 69.8 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:19 | 2.8 | 2.4 | 17,190.0 | 0 | 251.1 | 1,762.0 | 69.8 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:20 | 2.9 | 2.4 | 17,190.0 | 0 | 251.1 | 1,762.0 | 69.9 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:21 | 2.9 | 2.4 | 17,190.0 | 0 | 251.1 | 1,762.0 | 69.9 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:22 | 2.9 | 2.4 | 17,167.5 | 0 | 250.9 | 1,759.7 | 69.9 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:23 | 2.8 | 2.4 | 17,190.0 | 0 | 251.0 | 1,762.0 | 69.9 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:24 | 2.8 | 2.4 | 17,167.5 | 0 | 250.7 | 1,759.7 | 69.8 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:25 | 2.8 | 2.4 | 17,145.0 | 0 | 250.9 | 1,757.4 | 69.9 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:26 | 2.9 | 2.4 | 17,122.5 | 0 | 250.4 | 1,755.1 | 69.9 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:27 | 2.8 | 2.4 | 17,145.0 | 0 | 250.2 | 1,757.4 | 69.9 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:28 | 2.8 | 2.4 | 17,145.0 | 0 | 250.2 | 1,757.4 | 69.9 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:29 | 2.8 | 2.4 | 17,122.5 | 0 | 250.4 | 1,755.1 | 69.9 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:30 | 2.8 | 2.4 | 17,145.0 | 0 | 250.3 | 1,757.4 | 69.9 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:31 | 2.8 | 2.4 | 17,167.5 | 0 | 250.6 | 1,759.7 | 69.9 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:32 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,759.7 | 69.9 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:33 | 2.8 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.9 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:34 | 2.9 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.9 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:35 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,762.0 | 69.8 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:36 | 2.9 | 2.4 | 17,190.0 | 0 | 250.9 | 1,762.0 | 69.8 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:37 | 2.9 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 69.8 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:38 | 2.8 | 2.4 | 17,122.5 | 0 | 250.9 | 1,755.1 | 69.8 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:39 | 2.8 | 2.4 | 17,235.0 | 0 | 251.2 | 1,766.6 | 69.9 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:40 | 2.9 | 2.4 | 17,145.0 | 0 | 250.5 | 1,757.4 | 69.9 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:41 | 2.9 | 2.4 | 17,122.5 | 0 | 250.2 | 1,755.1 | 69.9 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:42 | 2.7 | 2.3 | 17,167.5 | 0 | 250.1 | 1,759.7 | 69.9 | 7.0 | 0.026 | 13.9 | 281 |
| 2/9/2021 9:43 | 2.7 | 2.3 | 17,100.0 | 0 | 250.1 | 1,752.8 | 69.9 | 7.1 | 0.026 | 13.9 | 281 |
| 2/9/2021 9:44 | 2.8 | 2.4 | 17,167.5 | 0 | 250.5 | 1,759.7 | 69.9 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:45 | 2.8 | 2.4 | 17,190.0 | 0 | 251.2 | 1,762.0 | 69.9 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:46 | 2.9 | 2.4 | 17,167.5 | 0 | 251.3 | 1,759.7 | 69.9 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:47 | 2.9 | 2.4 | 17,190.0 | 0 | 251.1 | 1,762.0 | 69.9 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:48 | 2.8 | 2.4 | 17,190.0 | 0 | 251.4 | 1,762.0 | 69.9 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:49 | 2.8 | 2.4 | 17,212.5 | 0 | 251.3 | 1,764.3 | 69.9 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:50 | 2.8 | 2.4 | 17,190.0 | 0 | 251.3 | 1,762.0 | 69.9 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:51 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,762.0 | 70.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 9:52 | 2.8 | 2.4 | 17,190.0 | 0 | 251.0 | 1,762.0 | 70.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:53 | 2.8 | 2.4 | 17,145.0 | 0 | 250.8 | 1,757.4 | 70.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:54 | 2.8 | 2.4 | 17,122.5 | 0 | 250.5 | 1,755.1 | 70.0 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 9:55 | 2.8 | 2.4 | 17,122.5 | 0 | 250.0 | 1,755.1 | 70.0 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:56 | 2.8 | 2.4 | 17,145.0 | 0 | 250.2 | 1,757.4 | 70.1 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:57 | 2.8 | 2.4 | 17,167.5 | 0 | 250.7 | 1,759.7 | 70.1 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:58 | 2.8 | 2.4 | 17,167.5 | 0 | 250.8 | 1,759.7 | 70.1 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 9:59 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,759.7 | 70.1 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:00 | 2.9 | 2.4 | 17,190.0 | 0 | 251.6 | 1,762.0 | 70.1 | 6.8 | 0.025 | 13.9 | 282 |

| Date/Time | 4D: CO_HRSG (PPM) Raw Value | 4D: CO_HRSG_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GAS_DB_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_HRSG_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_HRSG (PCT) Raw Value | 4D: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 10:01 | 2.9 | 2.4 | 17,212.5 | 0 | 251.3 | 1,764.3 | 70.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 10:02 | 2.9 | 2.4 | 17,190.0 | 0 | 251.4 | 1,762.0 | 70.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 10:03 | 2.9 | 2.4 | 17,190.0 | 0 | 251.4 | 1,762.0 | 70.1 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:04 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,762.0 | 70.1 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:05 | 2.8 | 2.4 | 17,167.5 | 0 | 251.4 | 1,759.7 | 70.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 10:06 | 2.9 | 2.4 | 17,167.5 | 0 | 250.7 | 1,759.7 | 70.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:07 | 2.9 | 2.4 | 17,145.0 | 0 | 250.5 | 1,757.4 | 70.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:08 | 2.8 | 2.4 | 17,145.0 | 0 | 250.4 | 1,757.4 | 70.0 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:09 | 2.8 | 2.4 | 17,145.0 | 0 | 250.2 | 1,757.4 | 70.0 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:10 | 2.8 | 2.4 | 17,167.5 | 0 | 250.5 | 1,759.7 | 70.0 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:11 | 2.8 | 2.4 | 17,167.5 | 0 | 250.1 | 1,759.7 | 70.0 | 6.9 | 0.025 | 13.9 | 280 |
| 2/9/2021 10:12 | 2.8 | 2.4 | 17,167.5 | 0 | 251.0 | 1,759.7 | 70.0 | 7.0 | 0.026 | 13.9 | 282 |
| 2/9/2021 10:13 | 2.9 | 2.4 | 17,212.5 | 0 | 251.3 | 1,764.3 | 70.0 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:14 | 2.9 | 2.4 | 17,167.5 | 0 | 251.2 | 1,759.7 | 70.0 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:15 | 2.9 | 2.4 | 17,167.5 | 0 | 251.1 | 1,759.7 | 70.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:16 | 2.9 | 2.4 | 17,167.5 | 0 | 251.2 | 1,759.7 | 70.0 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 10:17 | 2.9 | 2.4 | 17,167.5 | 0 | 251.3 | 1,759.7 | 70.0 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:18 | 2.9 | 2.4 | 17,190.0 | 0 | 251.2 | 1,762.0 | 70.1 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:19 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,762.0 | 70.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 10:20 | 2.9 | 2.4 | 17,167.5 | 0 | 251.1 | 1,759.7 | 70.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 10:21 | 2.9 | 2.4 | 17,167.5 | 0 | 250.8 | 1,759.7 | 70.1 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:22 | 2.8 | 2.4 | 17,122.5 | 0 | 250.6 | 1,755.1 | 70.1 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:23 | 2.8 | 2.4 | 17,145.0 | 0 | 250.4 | 1,751.9 | 70.2 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:24 | 2.8 | 2.4 | 17,122.5 | 0 | 250.4 | 1,749.6 | 70.2 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:25 | 2.8 | 2.4 | 17,145.0 | 0 | 250.4 | 1,751.9 | 70.3 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:26 | 2.8 | 2.4 | 17,145.0 | 0 | 250.7 | 1,751.9 | 70.3 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:27 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,754.2 | 70.3 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:28 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,754.2 | 70.3 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:29 | 2.8 | 2.4 | 17,167.5 | 0 | 251.4 | 1,754.2 | 70.3 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:30 | 2.9 | 2.4 | 17,167.5 | 0 | 251.3 | 1,754.2 | 70.3 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:31 | 2.9 | 2.4 | 17,167.5 | 0 | 251.5 | 1,754.2 | 70.3 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 10:32 | 2.9 | 2.4 | 17,167.5 | 0 | 251.3 | 1,754.2 | 70.3 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:33 | 2.8 | 2.4 | 17,145.0 | 0 | 251.0 | 1,751.9 | 70.3 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:34 | 2.9 | 2.4 | 17,145.0 | 0 | 251.2 | 1,751.9 | 70.3 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:35 | 2.9 | 2.4 | 17,122.5 | 0 | 250.7 | 1,749.6 | 70.3 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:36 | 2.9 | 2.4 | 17,122.5 | 0 | 250.8 | 1,749.6 | 70.4 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:37 | 2.8 | 2.4 | 17,145.0 | 0 | 250.6 | 1,751.9 | 70.4 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:38 | 2.9 | 2.4 | 17,145.0 | 0 | 250.4 | 1,751.9 | 70.5 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:39 | 2.8 | 2.4 | 17,167.5 | 0 | 250.6 | 1,754.2 | 70.5 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:40 | 2.8 | 2.4 | 17,145.0 | 0 | 250.4 | 1,751.9 | 70.5 | 6.9 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:41 | 2.8 | 2.4 | 17,167.5 | 0 | 250.5 | 1,754.2 | 70.5 | 6.8 | 0.025 | 13.9 | 280 |
| 2/9/2021 10:42 | 2.9 | 2.4 | 17,167.5 | 0 | 250.8 | 1,754.2 | 70.5 | 6.8 | 0.025 | 13.9 | 280 |
| 2/9/2021 10:43 | 2.8 | 2.4 | 17,212.5 | 0 | 251.2 | 1,758.8 | 70.5 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:44 | 2.9 | 2.4 | 17,167.5 | 0 | 251.4 | 1,754.2 | 70.5 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:45 | 3.0 | 2.5 | 17,167.5 | 0 | 251.1 | 1,754.2 | 70.5 | 6.6 | 0.024 | 13.9 | 281 |
| 2/9/2021 10:46 | 2.9 | 2.4 | 17,212.5 | 0 | 251.2 | 1,758.8 | 70.5 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:47 | 2.8 | 2.4 | 17,167.5 | 0 | 251.2 | 1,754.2 | 70.5 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:48 | 2.8 | 2.4 | 17,190.0 | 0 | 251.1 | 1,756.5 | 70.5 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:49 | 2.8 | 2.4 | 17,167.5 | 0 | 251.0 | 1,754.2 | 70.5 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:50 | 2.9 | 2.4 | 17,167.5 | 0 | 250.7 | 1,754.2 | 70.5 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:51 | 2.9 | 2.4 | 17,145.0 | 0 | 250.4 | 1,751.9 | 70.5 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:52 | 2.8 | 2.4 | 17,167.5 | 0 | 250.6 | 1,754.2 | 70.4 | 6.9 | 0.025 | 13.9 | 280 |

| Date/Time | 4D: CO_HRSG (PPM) Raw Value | 4D: CO_HRSG_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GAS_DB_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_HRSG_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_HRSG (PCT) Raw Value | 4D: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 10:53 | 2.8 | 2.4 | 17,167.5 | 0 | 250.6 | 1,754.2 | 70.4 | 7.0 | 0.026 | 13.9 | 281 |
| 2/9/2021 10:54 | 2.8 | 2.4 | 17,145.0 | 0 | 250.7 | 1,751.9 | 70.4 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 10:55 | 2.8 | 2.4 | 17,190.0 | 0 | 251.2 | 1,756.5 | 70.5 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:56 | 2.9 | 2.4 | 17,212.5 | 0 | 251.3 | 1,758.8 | 70.5 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:57 | 2.9 | 2.4 | 17,190.0 | 0 | 251.6 | 1,756.5 | 70.5 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:58 | 2.9 | 2.4 | 17,167.5 | 0 | 251.2 | 1,754.2 | 70.5 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 10:59 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,756.5 | 70.6 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:00 | 2.9 | 2.4 | 17,190.0 | 0 | 251.6 | 1,756.5 | 70.6 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:01 | 2.9 | 2.4 | 17,212.5 | 0 | 251.3 | 1,758.8 | 70.7 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:02 | 2.9 | 2.4 | 17,167.5 | 0 | 251.1 | 1,754.2 | 70.7 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:03 | 2.8 | 2.4 | 17,145.0 | 0 | 250.8 | 1,751.9 | 70.7 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:04 | 2.9 | 2.4 | 17,145.0 | 0 | 250.9 | 1,751.9 | 70.7 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 11:05 | 2.9 | 2.4 | 17,145.0 | 0 | 250.7 | 1,751.9 | 70.7 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:06 | 2.8 | 2.4 | 17,167.5 | 0 | 250.6 | 1,754.2 | 70.7 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 11:07 | 2.9 | 2.4 | 17,100.0 | 0 | 250.2 | 1,747.3 | 70.7 | 6.8 | 0.025 | 13.9 | 281 |
| 2/9/2021 11:08 | 2.8 | 2.4 | 17,145.0 | 0 | 250.7 | 1,751.9 | 70.9 | 6.9 | 0.025 | 13.9 | 280 |
| 2/9/2021 11:09 | 2.8 | 2.4 | 17,167.5 | 0 | 251.5 | 1,754.2 | 70.9 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:10 | 2.8 | 2.4 | 17,190.0 | 0 | 251.6 | 1,756.5 | 71.0 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:11 | 2.9 | 2.4 | 17,167.5 | 0 | 251.5 | 1,754.2 | 71.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:12 | 2.9 | 2.4 | 17,190.0 | 0 | 251.4 | 1,756.5 | 71.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:13 | 2.8 | 2.4 | 17,167.5 | 0 | 251.8 | 1,754.2 | 71.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:14 | 2.8 | 2.4 | 17,167.5 | 0 | 251.4 | 1,754.2 | 71.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:15 | 2.9 | 2.4 | 17,235.0 | 0 | 251.8 | 1,761.1 | 71.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:16 | 2.8 | 2.4 | 17,122.5 | 0 | 251.4 | 1,749.6 | 71.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:17 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,756.5 | 71.3 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:18 | 2.9 | 2.4 | 17,167.5 | 0 | 250.9 | 1,754.2 | 71.3 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:19 | 2.9 | 2.4 | 17,145.0 | 0 | 250.4 | 1,751.9 | 71.3 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 11:20 | 2.8 | 2.4 | 17,145.0 | 0 | 250.6 | 1,751.9 | 71.4 | 6.9 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:21 | 2.8 | 2.4 | 17,145.0 | 0 | 251.0 | 1,751.9 | 71.5 | 6.9 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:22 | 2.8 | 2.4 | 17,145.0 | 0 | 251.1 | 1,751.9 | 71.6 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:23 | 2.8 | 2.4 | 17,190.0 | 0 | 251.3 | 1,756.5 | 71.6 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:24 | 2.9 | 2.4 | 17,212.5 | 0 | 251.6 | 1,758.8 | 71.6 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:25 | 2.8 | 2.4 | 17,235.0 | 0 | 251.6 | 1,761.1 | 71.6 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:26 | 2.9 | 2.4 | 17,235.0 | 0 | 252.1 | 1,761.1 | 71.6 | 6.6 | 0.024 | 13.9 | 284 |
| 2/9/2021 11:27 | 3.0 | 2.5 | 17,212.5 | 0 | 251.6 | 1,758.8 | 71.4 | 6.6 | 0.024 | 13.9 | 283 |
| 2/9/2021 11:28 | 2.9 | 2.4 | 17,212.5 | 0 | 251.7 | 1,758.8 | 71.4 | 6.6 | 0.024 | 13.9 | 282 |
| 2/9/2021 11:29 | 2.8 | 2.4 | 17,190.0 | 0 | 251.3 | 1,756.5 | 71.2 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 11:30 | 2.8 | 2.4 | 17,190.0 | 0 | 251.1 | 1,756.5 | 71.3 | 6.7 | 0.025 | 13.9 | 281 |
| 2/9/2021 11:31 | 2.8 | 2.4 | 17,212.5 | 0 | 251.0 | 1,758.8 | 71.5 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:32 | 2.9 | 2.4 | 17,167.5 | 0 | 250.9 | 1,754.2 | 71.7 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:33 | 2.9 | 2.4 | 17,145.0 | 0 | 250.9 | 1,751.9 | 71.7 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:34 | 2.9 | 2.4 | 17,167.5 | 0 | 251.0 | 1,754.2 | 71.8 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:35 | 2.8 | 2.4 | 17,167.5 | 0 | 250.8 | 1,754.2 | 71.9 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:36 | 2.8 | 2.4 | 17,212.5 | 0 | 251.3 | 1,758.8 | 72.0 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:37 | 2.8 | 2.4 | 17,190.0 | 0 | 251.7 | 1,756.5 | 72.2 | 6.8 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:38 | 2.8 | 2.4 | 17,235.0 | 0 | 251.8 | 1,761.1 | 72.3 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:39 | 2.9 | 2.4 | 17,212.5 | 0 | 252.4 | 1,758.8 | 72.4 | 6.6 | 0.024 | 13.9 | 285 |
| 2/9/2021 11:40 | 2.9 | 2.4 | 17,190.0 | 0 | 252.0 | 1,756.5 | 72.5 | 6.6 | 0.024 | 13.9 | 284 |
| 2/9/2021 11:41 | 2.9 | 2.4 | 17,235.0 | 0 | 252.1 | 1,761.1 | 72.6 | 6.5 | 0.024 | 13.9 | 284 |
| 2/9/2021 11:42 | 2.9 | 2.4 | 17,190.0 | 0 | 251.8 | 1,756.5 | 72.6 | 6.6 | 0.024 | 13.9 | 283 |
| 2/9/2021 11:43 | 2.9 | 2.4 | 17,212.5 | 0 | 251.5 | 1,758.8 | 72.7 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:44 | 2.9 | 2.4 | 17,235.0 | 0 | 251.8 | 1,761.1 | 72.8 | 6.7 | 0.025 | 13.9 | 284 |

| Date/Time | 4D: CO_HRSG (PPM) Raw Value | 4D: CO_HRSG_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GAS_DB_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_HRSG_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_HRSG (PCT) Raw Value | 4D: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 11:45 | 2.8 | 2.4 | 17,145.0 | 0 | 251.3 | 1,751.9 | 73.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:46 | 2.9 | 2.4 | 17,280.0 | 0 | 251.4 | 1,765.7 | 73.0 | 6.6 | 0.024 | 13.9 | 283 |
| 2/9/2021 11:47 | 2.9 | 2.4 | 17,190.0 | 0 | 251.3 | 1,756.5 | 73.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:48 | 2.9 | 2.4 | 17,167.5 | 0 | 251.4 | 1,754.2 | 73.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:49 | 2.8 | 2.4 | 17,190.0 | 0 | 251.8 | 1,756.5 | 73.0 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 11:50 | 2.8 | 2.4 | 17,145.0 | 0 | 251.6 | 1,751.9 | 73.0 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:51 | 2.8 | 2.4 | 17,257.5 | 0 | 252.3 | 1,763.4 | 72.9 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 11:52 | 2.8 | 2.4 | 17,190.0 | 0 | 252.2 | 1,756.5 | 72.8 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:53 | 2.8 | 2.4 | 17,212.5 | 0 | 252.1 | 1,758.8 | 72.6 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 11:54 | 2.8 | 2.4 | 17,190.0 | 0 | 251.9 | 1,756.5 | 72.4 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 11:55 | 2.8 | 2.4 | 17,190.0 | 0 | 251.9 | 1,756.5 | 72.2 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:56 | 2.8 | 2.4 | 17,190.0 | 0 | 252.1 | 1,756.5 | 72.1 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 11:57 | 2.9 | 2.4 | 17,167.5 | 0 | 251.5 | 1,754.2 | 71.9 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 11:58 | 2.8 | 2.4 | 17,145.0 | 0 | 251.2 | 1,751.9 | 71.7 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 11:59 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,754.2 | 71.7 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 12:00 | 2.8 | 2.4 | 17,145.0 | 0 | 251.1 | 1,751.9 | 71.9 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 12:01 | 2.8 | 2.4 | 17,145.0 | 0 | 250.9 | 1,751.9 | 72.0 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 12:02 | 2.9 | 2.4 | 17,167.5 | 0 | 251.1 | 1,754.2 | 72.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 12:03 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,754.2 | 72.1 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 12:04 | 2.8 | 2.4 | 17,190.0 | 0 | 251.1 | 1,756.5 | 72.1 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 12:05 | 2.8 | 2.4 | 17,190.0 | 0 | 251.4 | 1,756.5 | 72.1 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 12:06 | 2.7 | 2.3 | 17,190.0 | 0 | 251.7 | 1,756.5 | 72.1 | 6.8 | 0.025 | 13.9 | 282 |
| 2/9/2021 12:07 | 2.8 | 2.4 | 17,212.5 | 0 | 251.9 | 1,758.8 | 72.1 | 6.7 | 0.025 | 13.9 | 283 |
| 2/9/2021 12:08 | 2.9 | 2.4 | 17,212.5 | 0 | 251.9 | 1,758.8 | 72.3 | 6.6 | 0.024 | 13.9 | 283 |
| 2/9/2021 12:09 | 2.9 | 2.4 | 17,190.0 | 0 | 252.0 | 1,756.5 | 72.3 | 6.6 | 0.024 | 13.9 | 284 |
| 2/9/2021 12:10 | 2.8 | 2.4 | 17,212.5 | 0 | 252.1 | 1,758.8 | 72.5 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 12:11 | 2.8 | 2.4 | 17,212.5 | 0 | 252.1 | 1,758.8 | 72.7 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 12:12 | 2.8 | 2.4 | 17,167.5 | 0 | 251.8 | 1,754.2 | 73.0 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 12:13 | 2.9 | 2.4 | 17,167.5 | 0 | 251.7 | 1,754.2 | 73.4 | 6.6 | 0.024 | 13.9 | 284 |
| 2/9/2021 12:14 | 2.8 | 2.4 | 17,167.5 | 0 | 251.7 | 1,754.2 | 73.8 | 6.6 | 0.024 | 13.9 | 284 |
| 2/9/2021 12:15 | 2.9 | 2.4 | 17,145.0 | 0 | 251.3 | 1,751.9 | 74.0 | 6.6 | 0.024 | 13.9 | 283 |
| 2/9/2021 12:16 | 2.9 | 2.4 | 17,190.0 | 0 | 251.4 | 1,756.5 | 74.2 | 6.6 | 0.024 | 13.9 | 284 |
| 2/9/2021 12:17 | 2.8 | 2.4 | 17,167.5 | 0 | 251.4 | 1,754.2 | 74.4 | 6.6 | 0.024 | 13.9 | 283 |
| 2/9/2021 12:18 | 2.8 | 2.4 | 17,212.5 | 0 | 251.8 | 1,758.8 | 74.4 | 6.7 | 0.025 | 13.9 | 282 |
| 2/9/2021 12:19 | 2.8 | 2.4 | 17,190.0 | 0 | 251.9 | 1,756.5 | 74.4 | 6.7 | 0.025 | 13.9 | 284 |
| 2/9/2021 12:20 | 2.8 | 2.4 | 17,212.5 | 0 | 252.3 | 1,758.8 | 74.4 | 6.6 | 0.024 | 13.9 | 284 |
| 2/9/2021 12:21 | 2.9 | 2.4 | 17,212.5 | 0 | 252.3 | 1,758.8 | 74.3 | 6.5 | 0.024 | 13.9 | 284 |
| 2/9/2021 12:22 | 3.0 | 2.6 | 17,190.0 | 0 | 251.9 | 1,756.5 | 73.7 | 6.5 | 0.024 | 14.0 | 283 |
| 2/9/2021 12:23 | 2.7 | 2.3 | 17,212.5 | 0 | 251.7 | 1,758.8 | 73.4 | 7.7 | 0.028 | 13.9 | 283 |
| 2/9/2021 12:24 | 2.7 | 2.3 | 17,212.5 | 0 | 251.8 | 1,758.8 | 73.3 | 7.8 | 0.029 | 13.9 | 282 |
| 2/9/2021 12:25 | 2.7 | 2.3 | 17,167.5 | 0 | 251.6 | 1,754.2 | 73.3 | 7.7 | 0.028 | 13.9 | 282 |
| 2/9/2021 12:26 | 2.8 | 2.4 | 17,145.0 | 0 | 251.7 | 1,751.9 | 73.3 | 7.6 | 0.028 | 13.9 | 283 |
| 2/9/2021 12:27 | 2.8 | 2.4 | 17,167.5 | 0 | 251.7 | 1,754.2 | 73.2 | 7.4 | 0.027 | 13.9 | 284 |
| 2/9/2021 12:28 | 2.8 | 2.4 | 17,145.0 | 0 | 251.2 | 1,751.9 | 73.2 | 7.5 | 0.028 | 13.9 | 282 |
| 2/9/2021 12:29 | 2.8 | 2.4 | 17,167.5 | 0 | 251.3 | 1,754.2 | 73.2 | 7.5 | 0.028 | 13.9 | 282 |
| 2/9/2021 12:30 | 2.8 | 2.4 | 17,167.5 | 0 | 251.1 | 1,754.2 | 73.3 | 7.6 | 0.028 | 13.9 | 283 |
| 2/9/2021 12:31 | 2.7 | 2.3 | 17,167.5 | 0 | 251.5 | 1,754.2 | 73.3 | 7.6 | 0.028 | 13.9 | 283 |
| 2/9/2021 12:32 | 2.7 | 2.3 | 17,190.0 | 0 | 251.8 | 1,756.5 | 73.4 | 7.6 | 0.028 | 13.9 | 283 |
| 2/9/2021 12:33 | 2.8 | 2.4 | 17,212.5 | 0 | 252.1 | 1,758.8 | 73.5 | 7.5 | 0.028 | 13.9 | 284 |
| 2/9/2021 12:34 | 2.8 | 2.4 | 17,190.0 | 0 | 252.2 | 1,756.5 | 73.8 | 7.5 | 0.028 | 13.9 | 284 |
| 2/9/2021 12:35 | 2.8 | 2.4 | 17,212.5 | 0 | 252.5 | 1,758.8 | 74.0 | 7.4 | 0.027 | 13.9 | 285 |
| 2/9/2021 12:36 | 3.0 | 2.5 | 17,212.5 | 0 | 252.5 | 1,758.8 | 74.0 | 7.2 | 0.026 | 13.9 | 286 |

| Date/Time | 4D: CO_HRSG (PPM) Raw Value | 4D: CO_HRSG_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GAS_DB_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_HRSG_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_HRSG (PCT) Raw Value | 4D: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 12:37 | 2.9 | 2.4 | 17,212.5 | 0 | 251.8 | 1,758.8 | 74.0 | 7.3 | 0.027 | 13.9 | 284 |
| 2/9/2021 12:38 | 2.7 | 2.3 | 17,190.0 | 0 | 252.2 | 1,756.5 | 74.4 | 7.6 | 0.028 | 13.9 | 285 |
| 2/9/2021 12:39 | 2.7 | 2.3 | 17,190.0 | 0 | 252.0 | 1,756.5 | 74.8 | 7.5 | 0.028 | 13.9 | 285 |
| 2/9/2021 12:40 | 2.8 | 2.4 | 17,167.5 | 0 | 251.8 | 1,754.2 | 75.0 | 7.3 | 0.027 | 13.9 | 284 |
| 2/9/2021 12:41 | 2.7 | 2.3 | 17,190.0 | 0 | 251.9 | 1,756.5 | 75.4 | 7.5 | 0.028 | 13.9 | 284 |
| 2/9/2021 12:42 | 2.7 | 2.3 | 17,167.5 | 0 | 251.7 | 1,754.2 | 75.6 | 7.4 | 0.027 | 13.9 | 285 |
| 2/9/2021 12:43 | 2.7 | 2.3 | 17,167.5 | 0 | 251.9 | 1,754.2 | 75.8 | 7.5 | 0.028 | 13.9 | 284 |
| 2/9/2021 12:44 | 2.6 | 2.2 | 17,190.0 | 0 | 252.2 | 1,756.5 | 76.1 | 7.7 | 0.028 | 13.9 | 286 |
| 2/9/2021 12:45 | 2.6 | 2.2 | 17,190.0 | 0 | 252.1 | 1,756.5 | 76.3 | 7.6 | 0.028 | 13.9 | 285 |
| 2/9/2021 12:46 | 2.7 | 2.3 | 17,212.5 | 0 | 252.4 | 1,758.8 | 76.5 | 7.4 | 0.027 | 13.9 | 286 |
| 2/9/2021 12:47 | 2.6 | 2.2 | 17,212.5 | 0 | 252.5 | 1,758.8 | 76.9 | 7.6 | 0.028 | 13.9 | 287 |
| 2/9/2021 12:48 | 3.0 | 2.6 | 17,212.5 | 0 | 252.9 | 1,758.8 | 77.2 | 7.2 | 0.026 | 14.0 | 288 |
| 2/9/2021 12:49 | 3.2 | 2.7 | 17,235.0 | 0 | 252.1 | 1,761.1 | 77.3 | 6.7 | 0.025 | 14.0 | 285 |
| 2/9/2021 12:50 | 2.7 | 2.3 | 17,235.0 | 0 | 252.2 | 1,761.1 | 77.4 | 8.6 | 0.032 | 14.0 | 286 |
| 2/9/2021 12:51 | 2.5 | 2.1 | 17,235.0 | 0 | 251.7 | 1,761.1 | 77.6 | 8.9 | 0.033 | 13.9 | 284 |
| 2/9/2021 12:52 | 2.4 | 2.0 | 17,212.5 | 0 | 251.7 | 1,758.8 | 77.8 | 8.9 | 0.033 | 13.9 | 284 |
| 2/9/2021 12:53 | 2.5 | 2.1 | 17,190.0 | 0 | 251.9 | 1,756.5 | 77.9 | 8.8 | 0.032 | 13.9 | 286 |
| 2/9/2021 12:54 | 2.6 | 2.2 | 17,190.0 | 0 | 252.2 | 1,756.5 | 78.0 | 8.5 | 0.031 | 13.9 | 286 |
| 2/9/2021 12:55 | 2.5 | 2.1 | 17,212.5 | 0 | 252.3 | 1,758.8 | 78.3 | 8.5 | 0.031 | 13.9 | 286 |
| 2/9/2021 12:56 | 2.5 | 2.1 | 17,190.0 | 0 | 252.5 | 1,756.5 | 78.5 | 8.5 | 0.031 | 13.9 | 287 |
| 2/9/2021 12:57 | 2.5 | 2.1 | 17,212.5 | 0 | 252.4 | 1,758.8 | 78.7 | 8.5 | 0.031 | 13.9 | 286 |
| 2/9/2021 12:58 | 2.5 | 2.1 | 17,212.5 | 0 | 252.7 | 1,758.8 | 79.0 | 8.4 | 0.031 | 13.9 | 286 |
| 2/9/2021 12:59 | 2.4 | 2.0 | 17,212.5 | 0 | 252.7 | 1,758.8 | 79.2 | 8.4 | 0.031 | 13.9 | 287 |
| 2/9/2021 13:00 | 2.4 | 2.0 | 17,235.0 | 0 | 253.0 | 1,761.1 | 79.6 | 8.3 | 0.030 | 13.9 | 287 |
| 2/9/2021 13:01 | 2.4 | 2.0 | 17,280.0 | 0 | 253.5 | 1,765.7 | 80.0 | 8.2 | 0.030 | 13.9 | 288 |
| 2/9/2021 13:02 | 2.4 | 2.0 | 17,280.0 | 0 | 253.8 | 1,765.7 | 80.1 | 8.0 | 0.029 | 13.9 | 288 |
| 2/9/2021 13:03 | 2.4 | 2.1 | 17,257.5 | 0 | 254.2 | 1,763.4 | 80.2 | 7.9 | 0.029 | 14.0 | 290 |
| 2/9/2021 13:04 | 2.4 | 2.1 | 17,302.5 | 0 | 253.9 | 1,768.0 | 80.2 | 7.9 | 0.029 | 14.0 | 289 |
| 2/9/2021 13:05 | 2.4 | 2.1 | 17,257.5 | 0 | 253.7 | 1,763.4 | 80.2 | 7.9 | 0.029 | 14.0 | 289 |
| 2/9/2021 13:06 | 2.4 | 2.1 | 17,235.0 | 0 | 253.1 | 1,761.1 | 80.2 | 8.0 | 0.029 | 14.0 | 289 |
| 2/9/2021 13:07 | 2.4 | 2.1 | 17,257.5 | 0 | 253.2 | 1,763.4 | 80.4 | 8.0 | 0.029 | 14.0 | 288 |
| 2/9/2021 13:08 | 2.4 | 2.1 | 17,257.5 | 0 | 253.3 | 1,763.4 | 80.5 | 8.0 | 0.030 | 14.0 | 289 |
| 2/9/2021 13:09 | 2.4 | 2.1 | 17,235.0 | 0 | 253.3 | 1,761.1 | 80.7 | 8.1 | 0.030 | 14.0 | 289 |
| 2/9/2021 13:10 | 2.4 | 2.1 | 17,235.0 | 0 | 253.1 | 1,761.1 | 80.9 | 8.0 | 0.030 | 14.0 | 288 |
| 2/9/2021 13:11 | 2.4 | 2.1 | 17,257.5 | 0 | 253.3 | 1,763.4 | 80.9 | 8.0 | 0.030 | 14.0 | 288 |
| 2/9/2021 13:12 | 2.3 | 2.0 | 17,235.0 | 0 | 253.4 | 1,761.1 | 81.0 | 8.1 | 0.030 | 14.0 | 289 |
| 2/9/2021 13:13 | 2.3 | 1.9 | 17,257.5 | 0 | 253.5 | 1,763.4 | 81.1 | 8.0 | 0.029 | 13.9 | 289 |
| 2/9/2021 13:14 | 2.3 | 1.9 | 17,280.0 | 0 | 253.7 | 1,765.7 | 81.1 | 8.0 | 0.029 | 13.9 | 289 |
| 2/9/2021 13:15 | 2.3 | 1.9 | 17,302.5 | 0 | 254.1 | 1,768.0 | 81.2 | 7.9 | 0.029 | 13.9 | 290 |
| 2/9/2021 13:16 | 2.4 | 2.1 | 17,302.5 | 0 | 254.3 | 1,768.0 | 81.2 | 7.9 | 0.029 | 14.0 | 291 |
| 2/9/2021 13:17 | 2.4 | 2.1 | 17,302.5 | 0 | 254.2 | 1,768.0 | 81.2 | 7.7 | 0.028 | 14.0 | 290 |
| 2/9/2021 13:18 | 2.3 | 2.0 | 17,325.0 | 0 | 254.4 | 1,770.3 | 81.4 | 7.7 | 0.028 | 14.0 | 291 |
| 2/9/2021 13:19 | 2.3 | 2.0 | 17,280.0 | 0 | 254.3 | 1,765.7 | 81.5 | 7.8 | 0.029 | 14.0 | 291 |
| 2/9/2021 13:20 | 2.4 | 2.1 | 17,280.0 | 0 | 254.0 | 1,765.7 | 81.7 | 7.6 | 0.028 | 14.0 | 291 |
| 2/9/2021 13:21 | 2.4 | 2.1 | 17,257.5 | 0 | 254.1 | 1,763.4 | 81.7 | 7.6 | 0.028 | 14.0 | 291 |
| 2/9/2021 13:22 | 2.4 | 2.1 | 17,280.0 | 0 | 253.7 | 1,765.7 | 81.7 | 7.7 | 0.028 | 14.0 | 290 |
| 2/9/2021 13:23 | 2.3 | 2.0 | 17,257.5 | 0 | 253.8 | 1,763.4 | 81.8 | 7.9 | 0.029 | 14.0 | 290 |
| 2/9/2021 13:24 | 2.4 | 2.1 | 17,302.5 | 0 | 253.7 | 1,768.0 | 82.0 | 8.0 | 0.029 | 14.0 | 290 |
| 2/9/2021 13:25 | 2.3 | 2.0 | 17,280.0 | 0 | 253.9 | 1,765.7 | 82.1 | 7.9 | 0.029 | 14.0 | 291 |
| 2/9/2021 13:26 | 2.3 | 2.0 | 17,280.0 | 0 | 254.0 | 1,765.7 | 82.1 | 7.8 | 0.029 | 14.0 | 290 |
| 2/9/2021 13:27 | 2.4 | 2.1 | 17,280.0 | 0 | 254.0 | 1,765.7 | 81.9 | 7.8 | 0.029 | 14.0 | 290 |
| 2/9/2021 13:28 | 2.3 | 2.0 | 17,325.0 | 0 | 254.2 | 1,770.3 | 81.9 | 7.8 | 0.029 | 14.0 | 290 |

| Date/Time | 4D: CO_HRSG (PPM) Raw Value | 4D: CO_HRSG_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GAS_DB_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_HRSG_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_HRSG (PCT) Raw Value | 4D: STEAM (KLBHR) Raw Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2021 13:29 | 2.3 | 1.9 | 17,325.0 | 0 | 254.4 | 1,770.3 | 81.8 | 7.7 | 0.028 | 13.9 | 291 |
| 2/9/2021 13:30 | 2.4 | 2.1 | 17,325.0 | 0 | 254.4 | 1,770.3 | 81.8 | 7.4 | 0.027 | 14.0 | 291 |
| 2/9/2021 13:31 | 2.4 | 2.1 | 17,325.0 | 0 | 254.4 | 1,770.3 | 81.8 | 7.6 | 0.028 | 14.0 | 291 |
| 2/9/2021 13:32 | 2.3 | 2.0 | 17,302.5 | 0 | 254.5 | 1,768.0 | 81.8 | 7.5 | 0.028 | 14.0 | 291 |
| 2/9/2021 13:33 | 2.4 | 2.1 | 17,302.5 | 0 | 254.2 | 1,768.0 | 81.8 | 7.5 | 0.028 | 14.0 | 291 |
| 2/9/2021 13:34 | 2.4 | 2.1 | 17,257.5 | 0 | 254.0 | 1,763.4 | 81.8 | 7.4 | 0.027 | 14.0 | 291 |
| 2/9/2021 13:35 | 2.4 | 2.1 | 17,257.5 | 0 | 253.9 | 1,763.4 | 81.8 | 7.6 | 0.028 | 14.0 | 290 |
| 2/9/2021 13:36 | 2.4 | 2.1 | 17,280.0 | 0 | 253.7 | 1,765.7 | 81.8 | 7.7 | 0.028 | 14.0 | 290 |
| 2/9/2021 13:37 | 2.3 | 2.0 | 17,257.5 | 0 | 253.9 | 1,763.4 | 81.9 | 7.9 | 0.029 | 14.0 | 290 |
| 2/9/2021 13:38 | 2.3 | 2.0 | 17,280.0 | 0 | 253.6 | 1,765.7 | 81.9 | 7.8 | 0.029 | 14.0 | 289 |
| 2/9/2021 13:39 | 2.4 | 2.1 | 17,257.5 | 0 | 253.7 | 1,763.4 | 81.8 | 7.8 | 0.029 | 14.0 | 290 |

# 4D Bypass

**Bartow - 4D Bypass Stack (*EU -041*)** **RATA Data**

**February 10, 2021**

| Run | Start | End | CO | CO @ 15% | CT Gas Flow | Unit Load | Heat Input (HHV) | Compressor Inlet Temp | NOx @ 15% | NOx Rate | $O_2$ | Average Heat Input (HHV) | Average Inlet Temp | Permit CT Heat Input (HHV) | Permit CT Heat Input at Inlet Temp (HHV) | CT Capacity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *ppm* | *ppm@15% $O_2$* | *HSCF* | *MW* | *mmBtu/hr* | *°F* | *ppm@15% $O_2$* | *lb/mmBtu* | *%* | *mmBtu/hr* | *°F* | *mmBtu/hr @59°F* | *mmBtu/hr* | *%* |
| 1 | 8:25 AM | 8:46 AM | 1.2 | 1.0 | 18,431.8 | 181.5 | 1,883.4 | 68.9 | 6.8 | 0.025 | 13.8 | | | | | |
| 2 | 9:03 AM | 9:24 AM | 1.2 | 1.0 | 18,362.1 | 180.7 | 1,876.3 | 69.6 | 6.7 | 0.025 | 13.8 | 1,879 | 69.6 | | 1,916 | 98% |
| 3 | 9:36 AM | 9:57 AM | 1.2 | 1.0 | 18,360.0 | 180.4 | 1,876.1 | 70.1 | 7.0 | 0.026 | 13.8 | | | | | |
| 4 | 10:09 AM | 10:30 AM | 1.2 | 1.0 | 18,400.7 | 181.0 | 1,880.3 | 69.4 | 7.4 | 0.027 | 13.8 | | | | | |
| 5 | 10:41 AM | 11:02 AM | 1.3 | 1.1 | 18,439.3 | 181.6 | 1,884.2 | 69.0 | 7.3 | 0.027 | 13.8 | 1,880 | 69.7 | 1,972 | 1,915 | 98% |
| 6 | 11:13 AM | 11:34 AM | 1.2 | 1.0 | 18,362.1 | 180.7 | 1,876.3 | 70.6 | 7.2 | 0.027 | 13.8 | | | | | |
| 7 | 11:45 AM | 12:06 PM | 1.2 | 1.0 | 18,246.4 | 178.9 | 1,864.5 | 73.1 | 7.1 | 0.026 | 13.8 | | | | | |
| 8 | 12:17 PM | 12:38 PM | 1.2 | 1.0 | 18,071.8 | 176.6 | 1,846.6 | 76.5 | 7.0 | 0.026 | 13.8 | 1,845 | 76.8 | | 1,876 | 98% |
| 9 | 12:49 PM | 1:10 PM | 1.1 | 0.9 | 17,843.6 | 173.7 | 1,823.3 | 80.7 | 7.0 | 0.026 | 13.8 | | | | | |
| | | **Average** | **1.2** | **1.0** | **18,279.8** | **179.4** | **1,867.9** | **72.0** | **7.1** | **0.026** | **13.8** | **1,868** | **72.0** | | **1,902** | **98%** |

| Date/Time | 4D: CO_BYP (PPM) Raw Value | 4D: CO_BYP_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_BYP_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 8:25 | 1.2 | 1.0 | 18,450.0 | 181.8 | 1,885.3 | 68.8 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:26 | 1.2 | 1.0 | 18,450.0 | 182.0 | 1,885.3 | 68.8 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:27 | 1.2 | 1.0 | 18,450.0 | 182.3 | 1,885.3 | 68.8 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:28 | 1.2 | 1.0 | 18,472.5 | 181.8 | 1,887.6 | 68.8 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:29 | 1.2 | 1.0 | 18,427.5 | 181.7 | 1,883.0 | 68.9 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:30 | 1.2 | 1.0 | 18,450.0 | 182.0 | 1,885.3 | 68.9 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:31 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 68.9 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:32 | 1.2 | 1.0 | 18,450.0 | 181.3 | 1,885.3 | 68.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:33 | 1.2 | 1.0 | 18,427.5 | 181.4 | 1,883.0 | 68.9 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 8:34 | 1.2 | 1.0 | 18,405.0 | 181.0 | 1,880.7 | 68.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:35 | 1.2 | 1.0 | 18,405.0 | 181.5 | 1,880.7 | 68.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:36 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 68.9 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:37 | 1.2 | 1.0 | 18,427.5 | 181.4 | 1,883.0 | 68.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:38 | 1.2 | 1.0 | 18,427.5 | 181.3 | 1,883.0 | 68.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:39 | 1.2 | 1.0 | 18,405.0 | 180.8 | 1,880.7 | 69.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:40 | 1.2 | 1.0 | 18,450.0 | 181.4 | 1,885.3 | 69.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:41 | 1.2 | 1.0 | 18,450.0 | 181.6 | 1,885.3 | 69.0 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:42 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 69.0 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 8:43 | 1.2 | 1.0 | 18,405.0 | 181.3 | 1,880.7 | 69.0 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:44 | 1.2 | 1.0 | 18,405.0 | 181.0 | 1,880.7 | 69.0 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:45 | 1.2 | 1.0 | 18,427.5 | 181.3 | 1,883.0 | 69.1 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:46 | 1.2 | 1.0 | 18,405.0 | 181.0 | 1,880.7 | 69.2 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:47 | 1.2 | 1.0 | 18,405.0 | 181.1 | 1,880.7 | 69.2 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 8:48 | 1.2 | 1.0 | 18,405.0 | 181.3 | 1,880.7 | 69.2 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 8:49 | 1.2 | 1.0 | 18,382.5 | 180.9 | 1,878.4 | 69.2 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:50 | 1.2 | 1.0 | 18,427.5 | 181.4 | 1,883.0 | 69.2 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 8:51 | 1.2 | 1.0 | 18,405.0 | 180.8 | 1,880.7 | 69.2 | 6.6 | 0.024 | 13.8 |

| Date/Time | 4D: CO_BYP (PPM) Raw Value | 4D: CO_BYP_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_BYP_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 8:52 | 1.2 | 1.0 | 18,382.5 | 181.3 | 1,878.4 | 69.2 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 8:53 | 1.2 | 1.0 | 18,405.0 | 181.0 | 1,880.7 | 69.2 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:54 | 1.2 | 1.0 | 18,405.0 | 181.4 | 1,880.7 | 69.2 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:55 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 69.2 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:56 | 1.2 | 1.0 | 18,427.5 | 181.3 | 1,883.0 | 69.3 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:57 | 1.2 | 1.0 | 18,450.0 | 181.2 | 1,885.3 | 69.3 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 8:58 | 1.2 | 1.0 | 18,427.5 | 180.6 | 1,883.0 | 69.3 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 8:59 | 1.2 | 1.0 | 18,360.0 | 180.6 | 1,876.1 | 69.4 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 9:00 | 1.2 | 1.0 | 18,382.5 | 180.9 | 1,878.4 | 69.4 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:01 | 1.2 | 1.0 | 18,405.0 | 181.0 | 1,880.7 | 69.4 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:02 | 1.2 | 1.0 | 18,360.0 | 180.7 | 1,876.1 | 69.4 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:03 | 1.2 | 1.0 | 18,382.5 | 181.0 | 1,878.4 | 69.4 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:04 | 1.2 | 1.0 | 18,337.5 | 180.5 | 1,873.8 | 69.4 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:05 | 1.2 | 1.0 | 18,360.0 | 180.8 | 1,876.1 | 69.4 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:06 | 1.2 | 1.0 | 18,382.5 | 180.7 | 1,878.4 | 69.4 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:07 | 1.2 | 1.0 | 18,337.5 | 180.7 | 1,873.8 | 69.4 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:08 | 1.2 | 1.0 | 18,405.0 | 181.1 | 1,880.7 | 69.4 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:09 | 1.2 | 1.0 | 18,337.5 | 180.4 | 1,873.8 | 69.4 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:10 | 1.2 | 1.0 | 18,360.0 | 180.7 | 1,876.1 | 69.4 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:11 | 1.2 | 1.0 | 18,405.0 | 180.9 | 1,880.7 | 69.5 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:12 | 1.2 | 1.0 | 18,360.0 | 180.6 | 1,876.1 | 69.6 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:13 | 1.2 | 1.0 | 18,382.5 | 180.7 | 1,878.4 | 69.6 | 6.8 | 0.025 | 13.8 |
| 2/10/2021 9:14 | 1.2 | 1.0 | 18,360.0 | 180.6 | 1,876.1 | 69.7 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:15 | 1.2 | 1.0 | 18,337.5 | 180.6 | 1,873.8 | 69.7 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:16 | 1.2 | 1.0 | 18,337.5 | 180.7 | 1,873.8 | 69.8 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:17 | 1.2 | 1.0 | 18,360.0 | 180.9 | 1,876.1 | 69.9 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:18 | 1.2 | 1.0 | 18,382.5 | 180.8 | 1,878.4 | 69.9 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:19 | 1.2 | 1.0 | 18,337.5 | 180.3 | 1,873.8 | 69.9 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:20 | 1.2 | 1.0 | 18,337.5 | 180.3 | 1,873.8 | 69.9 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:21 | 1.2 | 1.0 | 18,360.0 | 180.4 | 1,876.1 | 69.9 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:22 | 1.2 | 1.0 | 18,382.5 | 180.6 | 1,878.4 | 69.9 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:23 | 1.2 | 1.0 | 18,360.0 | 180.5 | 1,876.1 | 70.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:24 | 1.2 | 1.0 | 18,360.0 | 180.6 | 1,876.1 | 70.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:25 | 1.2 | 1.0 | 18,382.5 | 180.8 | 1,878.4 | 70.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:26 | 1.2 | 1.0 | 18,405.0 | 180.7 | 1,880.7 | 70.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:27 | 1.2 | 1.0 | 18,360.0 | 180.7 | 1,876.1 | 70.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:28 | 1.2 | 1.0 | 18,337.5 | 180.2 | 1,873.8 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:29 | 1.2 | 1.0 | 18,360.0 | 180.3 | 1,876.1 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:30 | 1.2 | 1.0 | 18,360.0 | 180.2 | 1,876.1 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:31 | 1.2 | 1.0 | 18,337.5 | 180.4 | 1,873.8 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:32 | 1.2 | 1.0 | 18,360.0 | 180.7 | 1,876.1 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:33 | 1.2 | 1.0 | 18,337.5 | 180.2 | 1,873.8 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:34 | 1.2 | 1.0 | 18,337.5 | 180.2 | 1,873.8 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:35 | 1.3 | 1.1 | 18,337.5 | 180.3 | 1,873.8 | 70.0 | 6.7 | 0.025 | 13.9 |
| 2/10/2021 9:36 | 1.3 | 1.1 | 18,382.5 | 180.6 | 1,878.4 | 69.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:37 | 1.2 | 1.0 | 18,405.0 | 180.4 | 1,880.7 | 69.9 | 6.6 | 0.024 | 13.8 |

| Date/Time | 4D: CO_BYP (PPM) Raw Value | 4D: CO_BYP_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_BYP_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 9:38 | 1.2 | 1.0 | 18,360.0 | 180.6 | 1,876.1 | 69.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:39 | 1.2 | 1.0 | 18,360.0 | 180.5 | 1,876.1 | 69.9 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:40 | 1.2 | 1.0 | 18,382.5 | 180.8 | 1,878.4 | 70.0 | 6.7 | 0.025 | 13.8 |
| 2/10/2021 9:41 | 1.2 | 1.0 | 18,360.0 | 180.7 | 1,876.1 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:42 | 1.2 | 1.0 | 18,360.0 | 180.0 | 1,876.1 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:43 | 1.2 | 1.0 | 18,337.5 | 180.1 | 1,873.8 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:44 | 1.2 | 1.0 | 18,360.0 | 180.2 | 1,876.1 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:45 | 1.2 | 1.0 | 18,382.5 | 180.7 | 1,878.4 | 70.0 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:46 | 1.2 | 1.0 | 18,337.5 | 180.3 | 1,873.8 | 70.2 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:47 | 1.2 | 1.0 | 18,315.0 | 180.0 | 1,871.5 | 70.2 | 6.6 | 0.024 | 13.8 |
| 2/10/2021 9:48 | 1.2 | 1.0 | 18,360.0 | 180.1 | 1,876.1 | 70.2 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 9:49 | 1.3 | 1.1 | 18,315.0 | 179.9 | 1,871.5 | 70.2 | 7.6 | 0.028 | 13.8 |
| 2/10/2021 9:50 | 1.3 | 1.1 | 18,360.0 | 180.4 | 1,876.1 | 70.2 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 9:51 | 1.3 | 1.1 | 18,360.0 | 180.5 | 1,876.1 | 70.2 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 9:52 | 1.2 | 1.0 | 18,360.0 | 180.3 | 1,876.1 | 70.2 | 7.6 | 0.028 | 13.8 |
| 2/10/2021 9:53 | 1.2 | 1.0 | 18,337.5 | 180.3 | 1,873.8 | 70.2 | 7.6 | 0.028 | 13.8 |
| 2/10/2021 9:54 | 1.2 | 1.0 | 18,360.0 | 180.3 | 1,876.1 | 70.3 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 9:55 | 1.2 | 1.0 | 18,382.5 | 180.5 | 1,878.4 | 70.3 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 9:56 | 1.2 | 1.0 | 18,382.5 | 180.3 | 1,878.4 | 70.3 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 9:57 | 1.2 | 1.0 | 18,292.5 | 179.6 | 1,869.2 | 70.3 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 9:58 | 1.2 | 1.0 | 18,405.0 | 181.0 | 1,880.7 | 70.3 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 9:59 | 1.2 | 1.0 | 18,315.0 | 180.2 | 1,871.5 | 70.3 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:00 | 1.2 | 1.0 | 18,360.0 | 180.5 | 1,876.1 | 70.2 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:01 | 1.2 | 1.0 | 18,315.0 | 180.2 | 1,871.5 | 70.2 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:02 | 1.2 | 1.0 | 18,337.5 | 180.1 | 1,873.8 | 70.2 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:03 | 1.3 | 1.1 | 18,337.5 | 180.0 | 1,873.8 | 70.2 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:04 | 1.2 | 1.0 | 18,360.0 | 180.1 | 1,876.1 | 70.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:05 | 1.2 | 1.0 | 18,382.5 | 180.5 | 1,878.4 | 70.1 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:06 | 1.2 | 1.0 | 18,382.5 | 180.7 | 1,878.4 | 70.0 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:07 | 1.2 | 1.0 | 18,382.5 | 180.8 | 1,878.4 | 69.9 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:08 | 1.2 | 1.0 | 18,405.0 | 181.1 | 1,880.7 | 69.8 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:09 | 1.2 | 1.0 | 18,405.0 | 180.9 | 1,880.7 | 69.8 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:10 | 1.2 | 1.0 | 18,382.5 | 180.6 | 1,878.4 | 69.7 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:11 | 1.2 | 1.0 | 18,382.5 | 180.9 | 1,878.4 | 69.6 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:12 | 1.2 | 1.0 | 18,360.0 | 180.8 | 1,876.1 | 69.6 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:13 | 1.2 | 1.0 | 18,405.0 | 180.9 | 1,880.7 | 69.5 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:14 | 1.2 | 1.0 | 18,382.5 | 180.6 | 1,878.4 | 69.4 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:15 | 1.2 | 1.0 | 18,405.0 | 180.9 | 1,880.7 | 69.4 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:16 | 1.2 | 1.0 | 18,405.0 | 180.7 | 1,880.7 | 69.4 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:17 | 1.2 | 1.0 | 18,360.0 | 180.8 | 1,876.1 | 69.4 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:18 | 1.2 | 1.0 | 18,382.5 | 180.6 | 1,878.4 | 69.5 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:19 | 1.2 | 1.0 | 18,405.0 | 181.2 | 1,880.7 | 69.6 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:20 | 1.2 | 1.0 | 18,360.0 | 180.9 | 1,876.1 | 69.5 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:21 | 1.2 | 1.0 | 18,427.5 | 181.0 | 1,883.0 | 69.4 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:22 | 1.2 | 1.0 | 18,450.0 | 181.4 | 1,885.3 | 69.3 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:23 | 1.2 | 1.0 | 18,405.0 | 181.3 | 1,880.7 | 69.3 | 7.5 | 0.028 | 13.8 |

| Date/Time | 4D: CO_BYP (PPM) Raw Value | 4D: CO_BYP_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_BYP_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 10:24 | 1.2 | 1.0 | 18,450.0 | 181.2 | 1,885.3 | 69.3 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:25 | 1.2 | 1.0 | 18,405.0 | 181.4 | 1,880.7 | 69.2 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:26 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:27 | 1.2 | 1.0 | 18,405.0 | 180.8 | 1,880.7 | 69.1 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:28 | 1.2 | 1.0 | 18,405.0 | 180.8 | 1,880.7 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:29 | 1.2 | 1.0 | 18,405.0 | 181.3 | 1,880.7 | 69.1 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:30 | 1.2 | 1.0 | 18,405.0 | 180.9 | 1,880.7 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:31 | 1.2 | 1.0 | 18,427.5 | 181.2 | 1,883.0 | 69.0 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:32 | 1.2 | 1.0 | 18,405.0 | 181.1 | 1,880.7 | 69.0 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:33 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 69.0 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:34 | 1.2 | 1.0 | 18,450.0 | 181.7 | 1,885.3 | 69.0 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:35 | 1.2 | 1.0 | 18,427.5 | 181.3 | 1,883.0 | 69.1 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:36 | 1.2 | 1.0 | 18,450.0 | 181.3 | 1,885.3 | 69.1 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:37 | 1.2 | 1.0 | 18,405.0 | 181.4 | 1,880.7 | 69.2 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:38 | 1.2 | 1.0 | 18,427.5 | 181.3 | 1,883.0 | 69.2 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:39 | 1.2 | 1.0 | 18,382.5 | 180.9 | 1,878.4 | 69.2 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:40 | 1.3 | 1.1 | 18,405.0 | 181.5 | 1,880.7 | 69.2 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:41 | 1.3 | 1.1 | 18,405.0 | 181.3 | 1,880.7 | 69.2 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 10:42 | 1.3 | 1.1 | 18,427.5 | 181.5 | 1,883.0 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:43 | 1.3 | 1.1 | 18,427.5 | 181.2 | 1,883.0 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:44 | 1.3 | 1.1 | 18,405.0 | 181.6 | 1,880.7 | 69.1 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:45 | 1.2 | 1.0 | 18,405.0 | 181.5 | 1,880.7 | 68.9 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:46 | 1.3 | 1.1 | 18,450.0 | 181.3 | 1,885.3 | 68.9 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:47 | 1.3 | 1.1 | 18,427.5 | 181.7 | 1,883.0 | 68.9 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:48 | 1.2 | 1.0 | 18,472.5 | 182.3 | 1,887.6 | 68.9 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:49 | 1.2 | 1.0 | 18,472.5 | 182.0 | 1,887.6 | 68.9 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 10:50 | 1.2 | 1.0 | 18,472.5 | 181.3 | 1,887.6 | 68.9 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:51 | 1.3 | 1.1 | 18,495.0 | 182.0 | 1,889.9 | 68.9 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:52 | 1.2 | 1.0 | 18,450.0 | 181.7 | 1,885.3 | 68.9 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:53 | 1.2 | 1.0 | 18,450.0 | 181.5 | 1,885.3 | 69.0 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 10:54 | 1.3 | 1.1 | 18,405.0 | 181.3 | 1,880.7 | 69.0 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:55 | 1.3 | 1.1 | 18,405.0 | 181.3 | 1,880.7 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:56 | 1.3 | 1.1 | 18,427.5 | 181.5 | 1,883.0 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:57 | 1.2 | 1.0 | 18,405.0 | 181.5 | 1,880.7 | 69.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 10:58 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 69.0 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 10:59 | 1.3 | 1.1 | 18,450.0 | 182.0 | 1,885.3 | 69.0 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:00 | 1.3 | 1.1 | 18,495.0 | 182.0 | 1,889.9 | 69.0 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:01 | 1.3 | 1.1 | 18,450.0 | 181.6 | 1,885.3 | 69.0 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:02 | 1.3 | 1.1 | 18,450.0 | 181.9 | 1,885.3 | 69.0 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 11:03 | 1.3 | 1.1 | 18,450.0 | 181.9 | 1,885.3 | 69.0 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 11:04 | 1.2 | 1.0 | 18,427.5 | 181.5 | 1,883.0 | 69.1 | 7.5 | 0.028 | 13.8 |
| 2/10/2021 11:05 | 1.2 | 1.0 | 18,427.5 | 181.8 | 1,883.0 | 69.1 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 11:06 | 1.3 | 1.1 | 18,450.0 | 181.5 | 1,885.3 | 69.2 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:07 | 1.3 | 1.1 | 18,405.0 | 181.2 | 1,880.7 | 69.3 | 7.4 | 0.027 | 13.8 |
| 2/10/2021 11:08 | 1.2 | 1.0 | 18,360.0 | 180.9 | 1,876.1 | 69.3 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:09 | 1.2 | 1.0 | 18,405.0 | 181.4 | 1,880.7 | 69.4 | 7.3 | 0.027 | 13.8 |

| Date/Time | 4D: CO_BYP (PPM) Raw Value | 4D: CO_BYP_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_BYP_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 11:10 | 1.2 | 1.0 | 18,382.5 | 181.0 | 1,878.4 | 69.6 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:11 | 1.3 | 1.1 | 18,405.0 | 181.2 | 1,880.7 | 69.6 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:12 | 1.3 | 1.1 | 18,360.0 | 180.8 | 1,876.1 | 69.7 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:13 | 1.2 | 1.0 | 18,405.0 | 180.9 | 1,880.7 | 69.8 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:14 | 1.2 | 1.0 | 18,382.5 | 180.9 | 1,878.4 | 70.0 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:15 | 1.2 | 1.0 | 18,360.0 | 181.1 | 1,876.1 | 70.1 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:16 | 1.3 | 1.1 | 18,315.0 | 181.0 | 1,871.5 | 70.2 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:17 | 1.2 | 1.0 | 18,405.0 | 181.3 | 1,880.7 | 70.2 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:18 | 1.2 | 1.0 | 18,382.5 | 181.2 | 1,878.4 | 70.3 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:19 | 1.2 | 1.0 | 18,405.0 | 181.2 | 1,880.7 | 70.3 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:20 | 1.2 | 1.0 | 18,382.5 | 180.6 | 1,878.4 | 70.3 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:21 | 1.2 | 1.0 | 18,337.5 | 180.7 | 1,873.8 | 70.3 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:22 | 1.3 | 1.1 | 18,360.0 | 180.6 | 1,876.1 | 70.3 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:23 | 1.2 | 1.0 | 18,337.5 | 180.7 | 1,873.8 | 70.3 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:24 | 1.2 | 1.0 | 18,360.0 | 180.5 | 1,876.1 | 70.4 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:25 | 1.3 | 1.1 | 18,360.0 | 180.6 | 1,876.1 | 70.6 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:26 | 1.2 | 1.0 | 18,315.0 | 180.5 | 1,871.5 | 70.7 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:27 | 1.2 | 1.0 | 18,382.5 | 180.4 | 1,878.4 | 70.8 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:28 | 1.2 | 1.0 | 18,315.0 | 180.2 | 1,871.5 | 70.9 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:29 | 1.2 | 1.0 | 18,360.0 | 180.5 | 1,876.1 | 71.1 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:30 | 1.3 | 1.1 | 18,315.0 | 180.5 | 1,871.5 | 71.2 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:31 | 1.2 | 1.0 | 18,382.5 | 180.3 | 1,878.4 | 71.3 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:32 | 1.2 | 1.0 | 18,382.5 | 180.0 | 1,878.4 | 71.5 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:33 | 1.2 | 1.0 | 18,360.0 | 180.2 | 1,876.1 | 71.6 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:34 | 1.2 | 1.0 | 18,292.5 | 180.0 | 1,869.2 | 71.7 | 7.3 | 0.027 | 13.8 |
| 2/10/2021 11:35 | 1.2 | 1.0 | 18,292.5 | 179.2 | 1,869.2 | 71.9 | 7.2 | 0.027 | 13.8 |
| 2/10/2021 11:36 | 1.2 | 1.0 | 18,270.0 | 179.5 | 1,866.9 | 71.9 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:37 | 1.2 | 1.0 | 18,292.5 | 179.8 | 1,869.2 | 72.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:38 | 1.2 | 1.0 | 18,292.5 | 179.6 | 1,869.2 | 72.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:39 | 1.2 | 1.0 | 18,292.5 | 179.6 | 1,869.2 | 72.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:40 | 1.2 | 1.0 | 18,292.5 | 179.7 | 1,869.2 | 72.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:41 | 1.2 | 1.0 | 18,292.5 | 179.3 | 1,869.2 | 72.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:42 | 1.2 | 1.0 | 18,292.5 | 179.5 | 1,869.2 | 72.1 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:43 | 1.2 | 1.0 | 18,292.5 | 179.7 | 1,869.2 | 72.1 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:44 | 1.2 | 1.0 | 18,292.5 | 179.7 | 1,869.2 | 72.3 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:45 | 1.2 | 1.0 | 18,270.0 | 179.6 | 1,866.9 | 72.3 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:46 | 1.2 | 1.0 | 18,315.0 | 179.7 | 1,871.5 | 72.3 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:47 | 1.2 | 1.0 | 18,247.5 | 179.4 | 1,864.6 | 72.5 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:48 | 1.2 | 1.0 | 18,270.0 | 179.1 | 1,866.9 | 72.5 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:49 | 1.2 | 1.0 | 18,247.5 | 179.1 | 1,864.6 | 72.6 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:50 | 1.2 | 1.0 | 18,270.0 | 179.2 | 1,866.9 | 72.7 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 11:51 | 1.2 | 1.0 | 18,247.5 | 179.1 | 1,864.6 | 72.8 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 11:52 | 1.2 | 1.0 | 18,247.5 | 178.8 | 1,864.6 | 72.8 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:53 | 1.2 | 1.0 | 18,225.0 | 179.0 | 1,862.3 | 72.9 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:54 | 1.2 | 1.0 | 18,247.5 | 178.9 | 1,864.6 | 73.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:55 | 1.2 | 1.0 | 18,247.5 | 178.8 | 1,864.6 | 73.1 | 7.0 | 0.026 | 13.8 |

| Date/Time | 4D: CO_BYP (PPM) Raw Value | 4D: CO_BYP_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_BYP_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 11:56 | 1.2 | 1.0 | 18,247.5 | 179.0 | 1,864.6 | 73.1 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 11:57 | 1.2 | 1.0 | 18,247.5 | 179.0 | 1,864.6 | 73.2 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 11:58 | 1.2 | 1.0 | 18,247.5 | 179.2 | 1,864.6 | 73.3 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 11:59 | 1.2 | 1.0 | 18,247.5 | 179.2 | 1,864.6 | 73.4 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:00 | 1.1 | 0.9 | 18,270.0 | 178.6 | 1,866.9 | 73.4 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:01 | 1.2 | 1.0 | 18,225.0 | 178.7 | 1,862.3 | 73.5 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:02 | 1.1 | 0.9 | 18,247.5 | 178.5 | 1,864.6 | 73.6 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:03 | 1.1 | 0.9 | 18,202.5 | 178.6 | 1,860.0 | 73.7 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:04 | 1.2 | 1.0 | 18,202.5 | 178.1 | 1,860.0 | 73.8 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:05 | 1.2 | 1.0 | 18,202.5 | 178.2 | 1,860.0 | 73.9 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:06 | 1.2 | 1.0 | 18,157.5 | 178.2 | 1,855.4 | 74.0 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:07 | 1.2 | 1.0 | 18,157.5 | 177.8 | 1,855.4 | 74.1 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:08 | 1.2 | 1.0 | 18,202.5 | 178.1 | 1,860.0 | 74.1 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:09 | 1.2 | 1.0 | 18,180.0 | 178.3 | 1,857.7 | 74.2 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:10 | 1.2 | 1.0 | 18,202.5 | 178.4 | 1,860.0 | 74.3 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:11 | 1.2 | 1.0 | 18,180.0 | 178.3 | 1,857.7 | 74.3 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:12 | 1.2 | 1.0 | 18,202.5 | 178.2 | 1,860.0 | 74.4 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:13 | 1.2 | 1.0 | 18,202.5 | 178.0 | 1,860.0 | 74.5 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:14 | 1.2 | 1.0 | 18,202.5 | 178.3 | 1,860.0 | 74.6 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:15 | 1.2 | 1.0 | 18,135.0 | 177.6 | 1,853.1 | 74.9 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:16 | 1.2 | 1.0 | 18,135.0 | 177.5 | 1,853.1 | 75.0 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:17 | 1.2 | 1.0 | 18,135.0 | 177.8 | 1,853.1 | 75.1 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:18 | 1.2 | 1.0 | 18,135.0 | 177.4 | 1,853.1 | 75.3 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:19 | 1.2 | 1.0 | 18,112.5 | 177.1 | 1,850.8 | 75.5 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:20 | 1.1 | 0.9 | 18,090.0 | 177.0 | 1,848.5 | 75.6 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:21 | 1.2 | 1.0 | 18,112.5 | 177.2 | 1,850.8 | 75.7 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:22 | 1.2 | 1.0 | 18,135.0 | 177.0 | 1,853.1 | 75.8 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:23 | 1.2 | 1.0 | 18,112.5 | 176.9 | 1,850.8 | 76.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:24 | 1.2 | 1.0 | 18,112.5 | 177.2 | 1,850.8 | 76.1 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:25 | 1.2 | 1.0 | 18,090.0 | 176.7 | 1,848.5 | 76.2 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:26 | 1.2 | 1.0 | 18,112.5 | 176.9 | 1,850.8 | 76.3 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:27 | 1.2 | 1.0 | 18,112.5 | 177.3 | 1,850.8 | 76.4 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:28 | 1.2 | 1.0 | 18,067.5 | 176.8 | 1,846.2 | 76.5 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:29 | 1.1 | 0.9 | 18,067.5 | 176.4 | 1,846.2 | 76.7 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:30 | 1.1 | 0.9 | 18,067.5 | 176.3 | 1,846.2 | 76.9 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:31 | 1.1 | 0.9 | 18,045.0 | 176.0 | 1,843.9 | 77.0 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:32 | 1.2 | 1.0 | 18,022.5 | 175.9 | 1,841.6 | 77.2 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:33 | 1.2 | 1.0 | 18,022.5 | 175.8 | 1,841.6 | 77.3 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:34 | 1.2 | 1.0 | 17,977.5 | 175.4 | 1,837.0 | 77.5 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:35 | 1.2 | 1.0 | 18,022.5 | 175.5 | 1,841.6 | 77.7 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:36 | 1.2 | 1.0 | 18,000.0 | 175.8 | 1,839.3 | 77.9 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:37 | 1.1 | 0.9 | 17,955.0 | 175.5 | 1,834.7 | 78.1 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:38 | 1.1 | 0.9 | 18,000.0 | 175.6 | 1,839.3 | 78.2 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:39 | 1.1 | 0.9 | 17,977.5 | 175.4 | 1,837.0 | 78.4 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:40 | 1.1 | 0.9 | 17,932.5 | 175.3 | 1,832.4 | 78.6 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:41 | 1.1 | 0.9 | 17,955.0 | 175.3 | 1,834.7 | 78.7 | 7.0 | 0.026 | 13.8 |

| Date/Time | 4D: CO_BYP (PPM) Raw Value | 4D: CO_BYP_C15 (PPM) Raw Value | 4D: GAS_CT_EPA (HSCF) Raw Value | 4D: GEN (MW) Raw Value | 4D: HTIP (MMBTUHR) Raw Value | 4D: INLET_TEMP (DEGF) Raw Value | 4D: NOX_BYP_C15 (PPM) Raw Value | 4D: NOX_RT (LBMMBTU) Raw Value | 4D: O2_BYP (PCT) Raw Value |
|---|---|---|---|---|---|---|---|---|---|
| 2/10/2021 12:42 | 1.1 | 0.9 | 17,977.5 | 175.2 | 1,837.0 | 78.8 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:43 | 1.1 | 0.9 | 17,932.5 | 175.1 | 1,832.4 | 79.0 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:44 | 1.1 | 0.9 | 17,955.0 | 175.0 | 1,834.7 | 79.0 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:45 | 1.1 | 0.9 | 17,910.0 | 174.7 | 1,830.1 | 79.2 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:46 | 1.1 | 0.9 | 17,887.5 | 174.6 | 1,827.8 | 79.3 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:47 | 1.2 | 1.0 | 17,887.5 | 174.3 | 1,827.8 | 79.5 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:48 | 1.2 | 1.0 | 17,887.5 | 174.2 | 1,827.8 | 79.7 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:49 | 1.1 | 0.9 | 17,887.5 | 174.3 | 1,827.8 | 79.7 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:50 | 1.1 | 0.9 | 17,887.5 | 174.4 | 1,827.8 | 79.8 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 12:51 | 1.1 | 0.9 | 17,887.5 | 174.4 | 1,827.8 | 79.8 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:52 | 1.2 | 1.0 | 17,887.5 | 174.2 | 1,827.8 | 80.0 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:53 | 1.1 | 0.9 | 17,887.5 | 174.1 | 1,827.8 | 80.2 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:54 | 1.1 | 0.9 | 17,865.0 | 174.3 | 1,825.5 | 80.3 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:55 | 1.1 | 0.9 | 17,865.0 | 173.6 | 1,825.5 | 80.5 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:56 | 1.1 | 0.9 | 17,887.5 | 173.7 | 1,827.8 | 80.5 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 12:57 | 1.1 | 0.9 | 17,865.0 | 174.1 | 1,825.5 | 80.6 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:58 | 1.1 | 0.9 | 17,820.0 | 173.7 | 1,820.9 | 80.6 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 12:59 | 1.1 | 0.9 | 17,820.0 | 173.6 | 1,820.9 | 80.7 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 13:00 | 1.1 | 0.9 | 17,820.0 | 173.5 | 1,820.9 | 80.8 | 7.0 | 0.026 | 13.9 |
| 2/10/2021 13:01 | 1.1 | 0.9 | 17,820.0 | 173.4 | 1,820.9 | 81.0 | 6.9 | 0.025 | 13.8 |
| 2/10/2021 13:02 | 1.1 | 0.9 | 17,820.0 | 173.4 | 1,820.9 | 81.0 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 13:03 | 1.1 | 0.9 | 17,797.5 | 173.4 | 1,818.6 | 81.2 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 13:04 | 1.1 | 0.9 | 17,820.0 | 173.6 | 1,820.9 | 81.2 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 13:05 | 1.1 | 0.9 | 17,820.0 | 173.3 | 1,820.9 | 81.4 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 13:06 | 1.1 | 0.9 | 17,820.0 | 173.1 | 1,820.9 | 81.4 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 13:07 | 1.1 | 0.9 | 17,820.0 | 173.6 | 1,820.9 | 81.4 | 7.0 | 0.026 | 13.8 |
| 2/10/2021 13:08 | 1.1 | 0.9 | 17,820.0 | 173.7 | 1,820.9 | 81.4 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 13:09 | 1.1 | 0.9 | 17,797.5 | 173.2 | 1,818.6 | 81.5 | 7.1 | 0.026 | 13.8 |
| 2/10/2021 13:10 | 1.1 | 0.9 | 17,797.5 | 173.3 | 1,818.6 | 81.5 | 7.0 | 0.026 | 13.8 |

# Appendix B: Mathematical Equations

## Relative Accuracy Calculations

### Average

The average is referred to in 40 CFR 60, Subpart A, Sect 60.8, subsection f as the arithmetic mean of the results of the runs. The algebraic expression used to return this result is found in 40 CFR 60, App B, Spec 2, Section 8.1 and is represented below.

$$\overline{d} = \frac{1}{n}\sum_{i=1}^{n} d_i \qquad \text{(Eq. 2-1)}$$

Where:

$\overline{d}$ = The arithmetic mean

$n$ = The number of data points

$\sum_{i=1}^{n} d_i$ = The algebraic sum of the individual differences di.

### Standard Deviation

As given in 40 CFR 60, performance specification 2, section 8.2, the standard deviation is calculated as follows:

$$S_d = \left[ \frac{\sum_{i=1}^{n} d_i^2 - \frac{\left(\sum_{i=1}^{n} d_i\right)^2}{n}}{n-1} \right] \qquad \text{Eq. 2-2}$$

Where:

$d_i$ = The individual differences

$n$ = The number of data points

$\sum_{i=1}^{n} d_i$ = The algebraic sum of the individual differences di.

## Relative Accuracy Calculations, continued

### Confidence Coefficient

As given in 40CFR 60, Performance Specification 2, Section 8.3, the Confidence Coefficient is calculated as follows:

$$CC = t_{0.975}\frac{S_d}{\sqrt{n}}$$

Where:

$t_{0.975}$ = t-value (see Table 2-1)

Table 2-1 (t-values)

| n[a] | $t_{0.975}$ | n[a] | $t_{0.975}$ | n[a] | $t_{0.975}$ |
|---|---|---|---|---|---|
| 2 | 12.706 | 7 | 2.447 | 12 | 2.201 |
| 3 | 4.303 | 8 | 2.365 | 13 | 2.179 |
| 4 | 3.182 | 9 | 2.306 | 14 | 2.160 |
| 5 | 2.776 | 10 | 2.262 | 15 | 2.145 |
| 6 | 2.571 | 11 | 2.228 | 16 | 2.131 |

[a] The values in this table are already corrected for n-1 degrees of freedom. Use n equal to the number of individual values.

### Relative Accuracy

As given in 40CFR 60, Performance Specification 2, Section 8.4, the Relative Accuracy is calculated as follows:

$$RA = \frac{\left|\bar{d}\right| + \left|CC\right|}{\overline{RM}} \times 100$$

Where:

$\left|\bar{d}\right|$ = Absolute Value of the mean differences

$\left|CC\right|$ = Absolute value of the confidence coefficient

$\overline{RM}$ = Average RM value or applicable standard

## Relative Accuracy Calculations, continued

### Bias Test

If the mean difference, $\left|\overline{d}\right|$, is less than or equal to the absolute value of the confidence coefficient, $\left|CC\right|$, the monitor or monitoring system has passed the bias test.

When the monitor or monitoring system has failed the bias test, then the bias adjustment factor (BAF) is determined utilizing equation A-12 of 40CFR75, Appendix A:

$$BAF = 1 + \frac{\left|\overline{d}\right|}{CEM_{avg}} \quad \text{Eq. A-12}$$

Where:

BAF = Bias adjustment factor, rounded to the nearest thousandth

$\left|\overline{d}\right|$ = Absolute Value of the mean differences

$CEM_{avg}$ = Mean of the data values provided by the monitor during the failed bias test

## Calibrations

### Analyzer Calibration Error

The analyzer calibration error (ACE) is calculated in accordance with 40 CFR 60, App. B, Meth. 7E, Sect 12.2. The algebraic expression used to return this result is:

$$ACE = \frac{C_{Dir} - C_v}{CS} \times 100 \qquad \text{Eq. 7E-1}$$

Where:

ACE = Analyzer Calibration Error, percent of calibration span

$C_{Dir}$ = Measured concentration of a calibration gas (low, mid, or high) when introduced in direct calibration mode, ppmv

$C_v$ = Manufacturer certified concentration of a calibration gas (low, mid, or high),ppmv

CS = Calibration span, ppmv

### System Bias

The System Bias is calculated in accordance with 40 CFR 60, App. B, Meth. 7E, Sect 12. The algebraic expression used to return this result is:

$$SB = \frac{C_S - C_{Dir}}{CS} \times 100 \qquad \text{Eq. 7E-2}$$

Where:

SB = System bias, percent of calibration span.

$C_S$ = Measured concentration of a calibration gas (low, mid, or high) when introduced in system calibration mode, ppmv

$C_{Dir}$ = Measured concentration of a calibration gas (low, mid, or high) when introduced in direct calibration mode, ppmv

CS = Calibration span, ppmv

## Drift Assessment

The low level and upscale drift over each test run is calculated in accordance with 40 CFR 60, App. B, Meth. 7E, Sect 12.5. The algebraic expression used to return this result is:

$$D = \left| SB_{final} - SB_i \right| \qquad \text{Eq. 7E-4}$$

Where:

$D$ = Drift assessment, percent of calibration span
$SB_{final}$ = Post-run system bias, percent of calibration span
$SB_i$ = Pre-run system bias, percent of calibration span

## Effluent Gas Concentration

The average calibration results are calculated in accordance with 40 CFR 60, App. B, Meth. 7E, Sect 12.6. The algebraic expression used to return this result is:

$$C_{Gas} = \left(C_{avg} - C_O\right)\frac{C_{MA}}{C_M - C_O} \qquad \text{Eq. 7E-5}$$

Where:

$C_{Gas}$ = Average effluent gas concentration adjusted for bias, ppmv
$C_{Avg}$ = Average unadjusted gas concentration indicated by data recorder for the test run, ppmv
$C_O$ = Average of the initial and final system calibration bias (or 2-point system calibration error) check responses from the low-level (or zero) calibration gas, ppmv
$C_{MA}$ = Actual concentration of the upscale calibration gas, ppmv
$C_M$ = Average of initial and final system calibration bias (or 2-point system calibration error) check responses for the upscale calibration gas, ppmv

**Emissions Rates in ppm @ 15% $O_2$**

When reference method readings are corrected to 15% $O_2$, equation 20-4 of Method 20 is utilized.

$$C_{adj} = C_d * \left( \frac{20.9 - 15.0}{20.9 - \%O_2} \right) \qquad \text{Eq. 20-4}$$

Where:

$C_{adj}$ =Pollutant concentration corrected to 15 percent $O_2$, ppm

$C_d$ = Pollutant concentration, dry basis, ppm

$\%O_2$ =Measured $O_2$ concentration, dry basis, percent

## Emissions Rates in lbs/mmBtu

When reference method readings for pollutant and oxygen are on a dry basis, equation 19-1 of Method 19 is utilized.

$$E = C_d * F_d * \frac{20.9}{(20.9 - \%O_{2d})} \qquad \text{Eq. 19-1}$$

Where:

$C_d$ = Pollutant concentration, dry basis, in lb/scf (to convert ppm to lb/scf refer to Table 19-1).
$F_d$ = Volume of combustion components per unit of heat input, dry basis, dscf/mmBtu.(from Method 19, Table 19-2)
$\%O_{2d}$ = Oxygen, dry basis, percent

**Table 19-1: Conversion Factors For Concentrations.**

| From | To | Multiply by |
|---|---|---|
| ppm $SO_2$ | lb/scf | $1.660 \times 10^{-7}$ |
| ppm $NO_X$ | lb/scf | $1.194 \times 10^{-7}$ |
| ppm CO | lb/scf | $2.5955 \times 10^{-9} \times 28.01$ |
| g/scm | ng/scm | $10^9$ |
| mg/scm | ng/scm | $10^6$ |
| lb/scf | ng/scm | $1.602 \times 10^{13}$ |

# Appendix C: Reference Method Calibration Gas Certificates of Analysis

# CERTIFICATE OF BATCH ANALYSIS

## Grade of Product: CEM-CAL ZERO

| | | | |
|---|---|---|---|
| Part Number: | NI CZ15A | Reference Number: | 21-401814354-1 |
| Cylinder Analyzed: | SG9160262BAL | Cylinder Volume: | 142.0 CF |
| Laboratory: | 110 - Tampa Plant - FL | Cylinder Pressure: | 2000 PSIG |
| Analysis Date: | May 14, 2020 | Valve Outlet: | 580 |
| Lot Number: | 21-401814354-1 | | |

## ANALYTICAL RESULTS

| Component | Requested Purity | Certified Concentration |
|---|---|---|
| NITROGEN | 99.9995 % | 99.9995 % |
| CARBON DIOXIDE | < 1.0 PPM | 0.210 PPM |
| NOx | < 0.1 PPM | < 0.1 PPM |
| SO2 | < 0.1 PPM | < 0.1 PPM |
| THC | < 0.1 PPM | <LDL 0.072 PPM |
| CARBON MONOXIDE | < 0.5 PPM | 0.210 PPM |

**Permanent Notes:** Airgas certifies that the contents of this cylinder meet the requirements of 40 CFR 72.2

**Cylinders in Batch:**

CC203148, CC220315, CC22702, CC231625, CC263006, CC287329, CC318832, CC350875, CC454181, CC458006, CC462028, CC472641, CC507015&, CC99136, EB0071883, EB0095379, SG9152068BAL, SG9160262BAL

Impurities verified against analytical standards traceable to NIST by weight and/or analysis.

**Signature on file**

**Approved for Release**

# CERTIFICATE OF ANALYSIS

## Grade of Product: EPA Protocol

| | | | |
|---|---|---|---|
| Part Number: | E03NI78E15A0578 | Reference Number: | 122-401917400-1 |
| Cylinder Number: | CC 705271 | Cylinder Volume: | 152.2 CF |
| Laboratory: | 124 - Durham (SAP) - NC | Cylinder Pressure: | 2015 PSIG |
| PGVP Number: | B22020 | Valve Outlet: | 590 |
| Gas Code: | CO2,O2,BALN | Certification Date: | Sep 28, 2020 |

**Expiration Date: Sep 28, 2028**

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

### ANALYTICAL RESULTS

| Component | Requested Concentration | Actual Concentration | Protocol Method | Total Relative Uncertainty | Assay Dates |
|---|---|---|---|---|---|
| OXYGEN | 10.00 % | 10.26 % | G1 | +/- 0.8% NIST Traceable | 09/28/2020 |
| CARBON DIOXIDE | 12.00 % | 11.47 % | G1 | +/- 0.6% NIST Traceable | 09/28/2020 |
| NITROGEN | Balance | | | - | |

### CALIBRATION STANDARDS

| Type | Lot ID | Cylinder No | Concentration | Uncertainty | Expiration Date |
|---|---|---|---|---|---|
| NTRM | 98051109 | SG9168283BAL | 9.507 % OXYGEN/NITROGEN | +/- 0.7% | Oct 06, 2021 |
| NTRM | 13060638 | CC414571 | 13.359 % CARBON DIOXIDE/NITROGEN | +/- 0.6% | May 14, 2025 |

### ANALYTICAL EQUIPMENT

| Instrument/Make/Model | Analytical Principle | Last Multipoint Calibration |
|---|---|---|
| Horiba VIA510 CO2 2L6YXWY0 | Nondispersive Infrared (NDIR) | Sep 16, 2020 |
| Horiba MPA510 O2 41499150042 | Paramagnetic | Sep 16, 2020 |

**Triad Data Available Upon Request**

**Signature on file**

**Approved for Release**

# CERTIFICATE OF ANALYSIS

## Grade of Product: EPA Protocol

| | | | |
|---|---|---|---|
| Part Number: | E03NI56E15AC000 | Reference Number: | 122-401514476-1 |
| Cylinder Number: | EB0062572 | Cylinder Volume: | 162.8 CF |
| Laboratory: | 124 - Durham (SAP) - NC | Cylinder Pressure: | 2015 PSIG |
| PGVP Number: | B22019 | Valve Outlet: | 590 |
| Gas Code: | CO2,O2,BALN | Certification Date: | Jun 03, 2019 |

**Expiration Date: Jun 03, 2027**

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

### ANALYTICAL RESULTS

| Component | Requested Concentration | Actual Concentration | Protocol Method | Total Relative Uncertainty | Assay Dates |
|---|---|---|---|---|---|
| OXYGEN | 20.50 % | 20.74 % | G1 | +/- 0.5% NIST Traceable | 06/03/2019 |
| CARBON DIOXIDE | 23.50 % | 23.32 % | G1 | +/- 0.6% NIST Traceable | 06/03/2019 |
| NITROGEN | Balance | | | - | |

### CALIBRATION STANDARDS

| Type | Lot ID | Cylinder No | Concentration | Uncertainty | Expiration Date |
|---|---|---|---|---|---|
| NTRM | 08010202 | 1D003076 | 23.20 % OXYGEN/NITROGEN | +/- 0.4% | Jun 01, 2024 |
| NTRM | 06011835 | K014763 | 23.04 % CARBON DIOXIDE/NITROGEN | +/- 0.5% | Jun 27, 2022 |

### ANALYTICAL EQUIPMENT

| Instrument/Make/Model | Analytical Principle | Last Multipoint Calibration |
|---|---|---|
| Horiba VIA510 CO2 2L6YXWY0 | Nondispersive Infrared (NDIR) | May 15, 2019 |
| Horiba MPA510 O2 41499150042 | Paramagnetic | May 15, 2019 |

**Triad Data Available Upon Request**

**PERMANENT NOTES:**-NA-

**Signature on file**

**Approved for Release**

# CERTIFICATE OF ANALYSIS

## Grade of Product: EPA Protocol

| | | | |
|---|---|---|---|
| Part Number: | E03NI99E15AC2K0 | Reference Number: | 122-401694210-1 |
| Cylinder Number: | CC492629 | Cylinder Volume: | 144.3 CF |
| Laboratory: | 124 - Durham (SAP) - NC | Cylinder Pressure: | 2015 PSIG |
| PGVP Number: | B22020 | Valve Outlet: | 660 |
| Gas Code: | CO,NO,NOX,BALN | Certification Date: | Jan 13, 2020 |

**Expiration Date: Jan 13, 2023**

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

### ANALYTICAL RESULTS

| Component | Requested Concentration | Actual Concentration | Protocol Method | Total Relative Uncertainty | Assay Dates |
|---|---|---|---|---|---|
| NOX | 9.500 PPM | 9.344 PPM | G1 | +/- 0.9% NIST Traceable | 01/06/2020, 01/13/2020 |
| CARBON MONOXIDE | 9.500 PPM | 9.406 PPM | G1 | +/- 0.4% NIST Traceable | 01/06/2020 |
| NITRIC OXIDE | 9.500 PPM | 9.330 PPM | G1 | +/- 0.9% NIST Traceable | 01/06/2020, 01/13/2020 |
| NITROGEN | Balance | | | - | |

### CALIBRATION STANDARDS

| Type | Lot ID | Cylinder No | Concentration | Uncertainty | Expiration Date |
|---|---|---|---|---|---|
| NTRM | 15010205 | KAL003143 | 24.35 PPM CARBON MONOXIDE/NITROGEN | +/- 0.3% | Sep 04, 2021 |
| NTRM | 16060645 | CC442676 | 50.42 PPM NITRIC OXIDE/NITROGEN | +/- 0.8 | Jun 27, 2020 |
| NTRM | 16060645 | CC442676 NOx | 50.49 PPM NOx/NITROGEN | +/- 0.8 | Jun 27, 2020 |

### ANALYTICAL EQUIPMENT

| Instrument/Make/Model | Analytical Principle | Last Multipoint Calibration |
|---|---|---|
| THERMO 48I CO 1308857346 | Nondispersive Infrared (NDIR) | Jan 02, 2020 |
| THERMO NO 42I-1308857345 | Chemiluminescence | Jan 02, 2020 |
| THERMO NOX 42I-1308857345 | Chemiluminescence | Jan 02, 2020 |

**Triad Data Available Upon Request**

**PERMANENT NOTES:**-NA-

**Signature on file**

**Approved for Release**

# CERTIFICATE OF ANALYSIS

## Grade of Product: EPA Protocol

| | | | |
|---|---|---|---|
| Part Number: | E03NI99E15A1368 | Reference Number: | 122-401786459-1 |
| Cylinder Number: | CC408040 | Cylinder Volume: | 144.3 CF |
| Laboratory: | 124 - Durham (SAP) - NC | Cylinder Pressure: | 2015 PSIG |
| PGVP Number: | B22020 | Valve Outlet: | 660 |
| Gas Code: | CO,NO,NOX,BALN | Certification Date: | Apr 21, 2020 |

**Expiration Date: Apr 21, 2023**

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

### ANALYTICAL RESULTS

| Component | Requested Concentration | Actual Concentration | Protocol Method | Total Relative Uncertainty | Assay Dates |
|---|---|---|---|---|---|
| NOX | 21.50 PPM | 22.50 PPM | G1 | +/- 1.2% NIST Traceable | 04/14/2020, 04/21/2020 |
| CARBON MONOXIDE | 21.50 PPM | 22.16 PPM | G1 | +/- 0.7% NIST Traceable | 04/14/2020 |
| NITRIC OXIDE | 21.50 PPM | 22.50 PPM | G1 | +/- 1.2% NIST Traceable | 04/14/2020, 04/21/2020 |
| NITROGEN | Balance | | | - | |

### CALIBRATION STANDARDS

| Type | Lot ID | Cylinder No | Concentration | Uncertainty | Expiration Date |
|---|---|---|---|---|---|
| NTRM | 12011226 | KAL004515 | 49.24 PPM CARBON MONOXIDE/NITROGEN | +/- 0.6% | Aug 31, 2024 |
| PRM | PRM | D562879 | 10.01 PPM NITROGEN DIOXIDE/AIR | +/- 1.9% | Aug 17, 2018 |
| NTRM | 13010601 | KAL003456 | 50.22 PPM NITRIC OXIDE/NITROGEN | +/- 0.8% | Oct 29, 2025 |
| GMIS | 124206889114 | CC322698 | 4.432 PPM NITROGEN DIOXIDE/NITROGEN | +/- 2.0% | Aug 15, 2021 |

The SRM, PRM or RGM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

### ANALYTICAL EQUIPMENT

| Instrument/Make/Model | Analytical Principle | Last Multipoint Calibration |
|---|---|---|
| Nicolet 6700 AHR0801333 CO | FTIR | Mar 26, 2020 |
| Nicolet 6700 AHR0801333 NO | FTIR | Mar 26, 2020 |
| Nicolet 6700 AHR0801333 NO2 | FTIR | Mar 26, 2020 |

**Triad Data Available Upon Request**

**Signature on file**

**Approved for Release**

Airgas
an Air Liquide company

**Airgas Specialty Gases**
Airgas USA, LLC
630 United Drive
Durham, NC 27713
Airgas.com

# CERTIFICATE OF ANALYSIS

## Grade of Product: EPA Protocol

| | | | |
|---|---|---|---|
| Part Number: | E02AI99E15W0021 | Reference Number: | 122-401514477-1 |
| Cylinder Number: | CC515122 | Cylinder Volume: | 146.2 CF |
| Laboratory: | 124 - Durham (SAP) - NC | Cylinder Pressure: | 2015 PSIG |
| PGVP Number: | B22019 | Valve Outlet: | 660 |
| Gas Code: | NO2,BALA | Certification Date: | Jun 17, 2019 |

**Expiration Date: Jun 17, 2022**

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

### ANALYTICAL RESULTS

| Component | Requested Concentration | Actual Concentration | Protocol Method | Total Relative Uncertainty | Assay Dates |
|---|---|---|---|---|---|
| NITROGEN DIOXIDE | 50.00 PPM | 51.65 PPM | G1 | +/- 1.0% NIST Traceable | 06/10/2019, 06/17/2019 |
| AIR | Balance | | | - | |

### CALIBRATION STANDARDS

| Type | Lot ID | Cylinder No | Concentration | Uncertainty | Expiration Date |
|---|---|---|---|---|---|
| GMIS | 401206801102 | CC512994 | 58.94 PPM NITROGEN DIOXIDE/NITROGEN | +/- 1.8% | May 02, 2022 |
| PRM | 12388 | D685030 | 59.5 PPM NITROGEN DIOXIDE/AIR | +/- 1.7% | Feb 20, 2020 |

The SRM, PRM or RGM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

### ANALYTICAL EQUIPMENT

| Instrument/Make/Model | Analytical Principle | Last Multipoint Calibration |
|---|---|---|
| MKS FTIR NO2 018176583 | FTIR | May 21, 2019 |

**Triad Data Available Upon Request**

**Signature on file**
**Approved for Release**

# Appendix D:  Sample Location Diagram and Traverse Points

## CEM Solutions, Inc.
## METHOD 1: Determining Number of Particulate and Velocity Traverse Points for a Stack or Duct

| | | | |
|---|---|---|---|
| **Company:** | DEF | **Date:** | 01/14/2016 |
| **Facility:** | Bartow | **Project:** | 9623 |
| **Unit Number:** | 4A, 4B, 4C, 4D | **Operator:** | A. Houseal |
| **Sample Location:** | HRSG and Bypass | | |

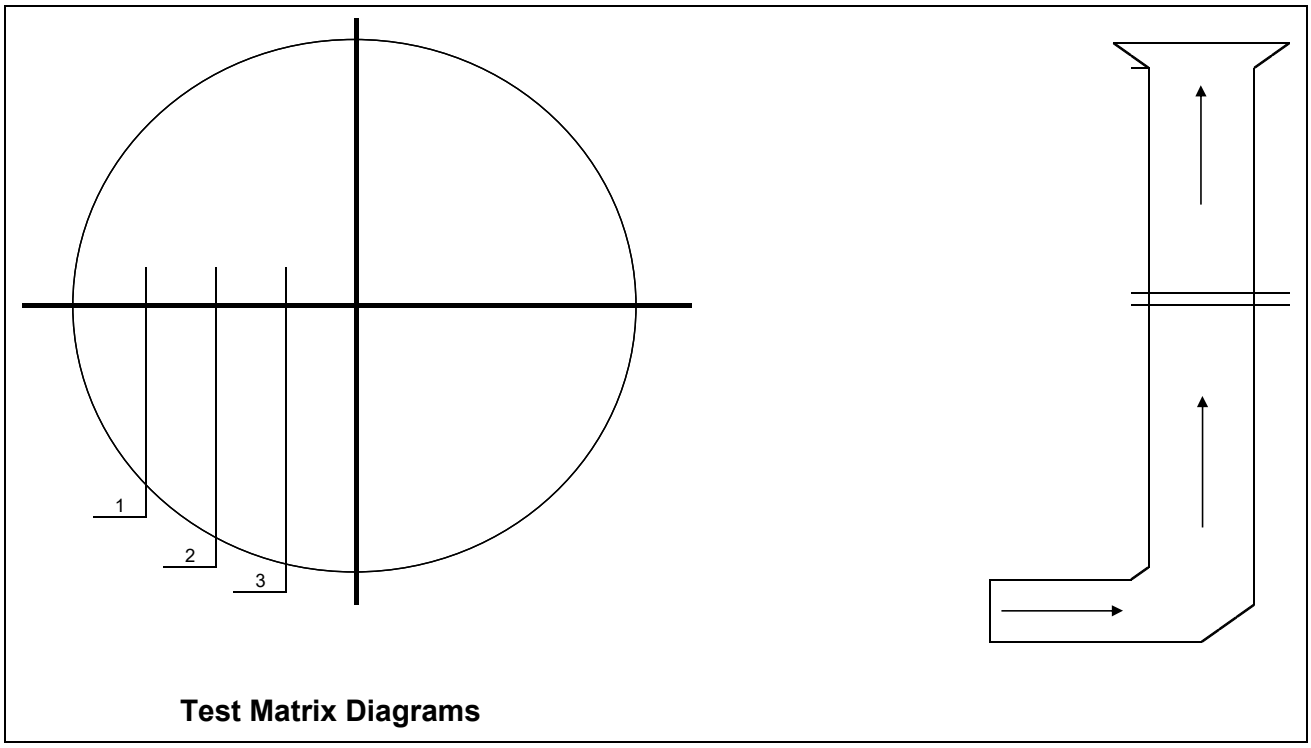
| **Stack Measurements** | | | | | |
|---|---|---|---|---|---|
| **Shape of Stack:** | Circular | | **Stack Diameter:** | 264.00 | Inches |
| **# of Test Ports:** | 4 | | **Stack Area:** | 380.1327 | $ft^2$ |
| **Port Depth:** | 8 | Inches | | | |

**C.E.M. Solutions, INC.**
Method 1 Determination

## 40CFR60 Short Line

Determined according to 40CFR60 Appendix A, Performance Specification 2, Section 8.1.3.2.
Sample taken from the following points:

| Traverse Point | Distance | Distance from stack wall (Inches) | Distance including port depth (Inches) |
|---|---|---|---|
| 1 | 0.4 Meters | 15.75 | 23.75 |
| 2 | 1.2 Meters | 47.24 | 55.24 |
| 3 | 2.0 Meters | 78.74 | 86.74 |




**Test Matrix Diagrams**

# Appendix E: Reference Method Quality Assurance/Quality Control Checks

Calibration Error Tests
Bias and Drift Tests
$NO_2$ to NO Converter Efficiency Test
Instrument Analyzer Response Time Tests

# Unit 4B HRSG

Calibration Error Tests
Bias and Drift Tests

# Analyzer Calibration Error

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

## Oxygen Monitor

**Method 3A**
Serial Number: 01420D/3379

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.00 % | -0.05 % | -0.05 % | -0.24 % |
| CC 705271/cg3 | 10.26 % | 10.07 % | -0.19 % | -0.92 % |
| EB0062572/cg2 | 20.74 % | 20.72 % | -0.02 % | -0.10 % |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 934838563

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.00 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.34 ppm | 9.3 ppm | 0.0 ppm | -0.20 % |
| CC408040/cg4 | 22.50 ppm | 22.6 ppm | 0.1 ppm | 0.44 % |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: 1336459888

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.00 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.41 ppm | 9.4 ppm | 0.0 ppm | -0.03 % |
| CC408040/cg4 | 22.16 ppm | 22.3 ppm | 0.1 ppm | 0.63 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.02 % | 0.34 % | 0.03 % | 0.39 % | 0.05 % |
| $O_2$ | 10.07 % | 10.02 % | -0.24 % | 9.99 % | -0.39 % | -0.14 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.8 ppm | -2.22 % | 8.8 ppm | -2.22 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.4 ppm | 0.00 % | 9.3 ppm | -0.45 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.03 % | 0.39 % | 0.03 % | 0.39 % | 0.00 % |
| $O_2$ | 10.07 % | 9.99 % | -0.39 % | 10.05 % | -0.10 % | 0.29 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.44 % | 0.44 % |
| $NO_X$ | 9.3 ppm | 8.8 ppm | -2.22 % | 8.8 ppm | -2.22 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.03 % | 0.39 % | 0.03 % | 0.39 % | 0.00 % |
| $O_2$ | 10.07 % | 10.05 % | -0.10 % | 10.04 % | -0.14 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.8 ppm | -2.22 % | 8.9 ppm | -1.78 % | 0.44 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.03 % | 0.39 % | 0.02 % | 0.34 % | -0.05 % |
| $O_2$ | 10.07 % | 10.04 % | -0.14 % | 10.03 % | -0.19 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.02 % | 0.34 % | 0.03 % | 0.39 % | 0.05 % |
| $O_2$ | 10.07 % | 10.03 % | -0.19 % | 10.03 % | -0.19 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.63 % | 0.18 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.37 % | 0.08 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.03 % | 0.39 % | 0.03 % | 0.39 % | 0.00 % |
| $O_2$ | 10.07 % | 10.03 % | -0.19 % | 10.03 % | -0.19 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.03 % | 0.39 % | 0.02 % | 0.34 % | -0.05 % |
| $O_2$ | 10.07 % | 10.03 % | -0.19 % | 10.03 % | -0.19 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.02 % | 0.34 % | 0.04 % | 0.43 % | 0.10 % |
| $O_2$ | 10.07 % | 10.03 % | -0.19 % | 9.97 % | -0.48 % | -0.29 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 9.0 ppm | -1.33 % | 0.44 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.05 % | 0.04 % | 0.43 % | 0.04 % | 0.43 % | 0.00 % |
| $O_2$ | 10.07 % | 9.97 % | -0.48 % | 9.96 % | -0.53 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 9.0 ppm | -1.33 % | 9.0 ppm | -1.33 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Unit 4B Bypass

Calibration Error Tests
Bias and Drift Tests

# Analyzer Calibration Error

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

## Oxygen Monitor

**Method 3A**
Serial Number: 1420C/2741

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 % | -0.03 % | -0.03 % | -0.14 % |
| CC 705271/cg3 | 10.26 % | 10.09 % | -0.17 % | -0.82 % |
| EB0062572/cg2 | 20.74 % | 20.67 % | -0.07 % | -0.34 % |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 1336459882

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.34 ppm | 9.2 ppm | -0.1 ppm | -0.64 % |
| CC408040/cg4 | 22.50 ppm | 22.7 ppm | 0.2 ppm | 0.89 % |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: CM08460059

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.41 ppm | 9.4 ppm | 0.0 ppm | -0.03 % |
| CC408040/cg4 | 22.16 ppm | 22.3 ppm | 0.1 ppm | 0.63 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.13 % | 0.77 % | 0.11 % | 0.68 % | -0.10 % |
| $O_2$ | 10.09 % | 10.12 % | 0.14 % | 10.03 % | -0.29 % | -0.43 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.44 % | 0.44 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.11 % | 0.68 % | 0.11 % | 0.68 % | 0.00 % |
| $O_2$ | 10.09 % | 10.03 % | -0.29 % | 10.12 % | 0.14 % | 0.43 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.11 % | 0.68 % | 0.11 % | 0.68 % | 0.00 % |
| $O_2$ | 10.09 % | 10.12 % | 0.14 % | 10.08 % | -0.05 % | -0.19 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.45 % | 0.45 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.11 % | 0.68 % | 0.12 % | 0.72 % | 0.05 % |
| $O_2$ | 10.09 % | 10.08 % | -0.05 % | 10.01 % | -0.39 % | -0.34 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.0 ppm | 0.00 % | -0.45 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.2 ppm | -0.90 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.12 % | 0.72 % | 0.12 % | 0.72 % | 0.00 % |
| $O_2$ | 10.09 % | 10.01 % | -0.39 % | 10.10 % | 0.05 % | 0.43 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.21 % | 0.21 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.75 % | 0.16 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.12 % | 0.72 % | 0.13 % | 0.77 % | 0.05 % |
| $O_2$ | 10.09 % | 10.10 % | 0.05 % | 10.10 % | 0.05 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.13 % | 0.77 % | 0.12 % | 0.72 % | -0.05 % |
| $O_2$ | 10.09 % | 10.10 % | 0.05 % | 10.09 % | 0.00 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.12 % | 0.72 % | 0.15 % | 0.87 % | 0.14 % |
| $O_2$ | 10.09 % | 10.09 % | 0.00 % | 10.12 % | 0.14 % | 0.14 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.45 % | 0.45 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.15 % | 0.87 % | 0.14 % | 0.82 % | -0.05 % |
| $O_2$ | 10.09 % | 10.12 % | 0.14 % | 10.10 % | 0.05 % | -0.10 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.3 ppm | -0.45 % | 0.45 % |

# Unit 4C HRSG

Calibration Error Tests
Bias and Drift Tests

# Analyzer Calibration Error

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

## Oxygen Monitor

**Method 3A**
Serial Number: 01420D/3379

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 % | -0.03 % | -0.03 % | -0.14 % |
| CC 705271/cg3 | 10.26 % | 10.15 % | -0.11 % | -0.53 % |
| EB0062572/cg2 | 20.74 % | 20.65 % | -0.09 % | -0.43 % |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 934838563

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.34 ppm | 9.3 ppm | 0.0 ppm | -0.20 % |
| CC408040/cg4 | 22.50 ppm | 22.6 ppm | 0.1 ppm | 0.44 % |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: 1336459888

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.41 ppm | 9.4 ppm | 0.0 ppm | -0.03 % |
| CC408040/cg4 | 22.16 ppm | 22.2 ppm | 0.0 ppm | 0.18 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.08 % | 0.53 % | 0.08 % | 0.53 % | 0.00 % |
| $O_2$ | 10.15 % | 10.09 % | -0.29 % | 10.11 % | -0.19 % | 0.10 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 9.0 ppm | -1.33 % | 0.44 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.2 ppm | -0.90 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.08 % | 0.53 % | 0.08 % | 0.53 % | 0.00 % |
| $O_2$ | 10.15 % | 10.11 % | -0.19 % | 10.12 % | -0.14 % | 0.05 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 9.0 ppm | -1.33 % | 9.0 ppm | -1.33 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.08 % | 0.53 % | 0.08 % | 0.53 % | 0.00 % |
| $O_2$ | 10.15 % | 10.12 % | -0.14 % | 10.10 % | -0.24 % | -0.10 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 9.0 ppm | -1.33 % | 8.9 ppm | -1.78 % | -0.44 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.3 ppm | -0.45 % | 0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.08 % | 0.53 % | 0.06 % | 0.43 % | -0.10 % |
| $O_2$ | 10.15 % | 10.10 % | -0.24 % | 10.06 % | -0.43 % | -0.19 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.2 ppm | -0.90 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.06 % | 0.43 % | 0.06 % | 0.43 % | 0.00 % |
| $O_2$ | 10.15 % | 10.06 % | -0.43 % | 10.06 % | -0.43 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.44 % | 0.44 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.14 % | 0.14 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.76 % | 0.15 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.06 % | 0.43 % | 0.06 % | 0.43 % | 0.00 % |
| $O_2$ | 10.15 % | 10.06 % | -0.43 % | 10.07 % | -0.39 % | 0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.45 % | 0.45 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.3 ppm | -0.45 % | 0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.06 % | 0.43 % | 0.07 % | 0.48 % | 0.05 % |
| $O_2$ | 10.15 % | 10.07 % | -0.39 % | 10.15 % | 0.00 % | 0.39 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.07 % | 0.48 % | 0.07 % | 0.48 % | 0.00 % |
| $O_2$ | 10.15 % | 10.15 % | 0.00 % | 10.15 % | 0.00 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 9.0 ppm | -1.33 % | 0.44 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.03 % | 0.07 % | 0.48 % | 0.05 % | 0.39 % | -0.10 % |
| $O_2$ | 10.15 % | 10.15 % | 0.00 % | 10.13 % | -0.10 % | -0.10 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.0 ppm | 0.00 % | -0.44 % |
| $NO_X$ | 9.3 ppm | 9.0 ppm | -1.33 % | 9.0 ppm | -1.33 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.0 ppm | 0.00 % | -0.45 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Unit 4C Bypass

Calibration Error Tests
Bias and Drift Tests

# Analyzer Calibration Error

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

## Oxygen Monitor

**Method 3A**
Serial Number: 1420C/2741

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 % | -0.01 % | -0.01 % | -0.05 % |
| CC 705271/cg3 | 10.26 % | 10.09 % | -0.17 % | -0.82 % |
| EB0062572/cg2 | 20.74 % | 20.68 % | -0.06 % | -0.29 % |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 1336459882

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.34 ppm | 9.1 ppm | -0.2 ppm | -1.08 % |
| CC408040/cg4 | 22.50 ppm | 22.6 ppm | 0.1 ppm | 0.44 % |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: CM08460059

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.41 ppm | 9.3 ppm | -0.1 ppm | -0.48 % |
| CC408040/cg4 | 22.16 ppm | 22.1 ppm | -0.1 ppm | -0.27 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.29 % | 1.45 % | 0.26 % | 1.30 % | -0.14 % |
| $O_2$ | 10.09 % | 10.28 % | 0.92 % | 10.23 % | 0.68 % | -0.24 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.1 ppm | 8.9 ppm | -0.89 % | 8.9 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.3 ppm | 9.1 ppm | -0.90 % | 9.1 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.26 % | 1.30 % | 0.29 % | 1.45 % | 0.14 % |
| $O_2$ | 10.09 % | 10.23 % | 0.68 % | 10.27 % | 0.87 % | 0.19 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.0 ppm | 0.00 % | -0.44 % |
| $NO_X$ | 9.1 ppm | 8.9 ppm | -0.89 % | 8.9 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.3 ppm | 9.1 ppm | -0.90 % | 9.2 ppm | -0.45 % | 0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.29 % | 1.45 % | 0.28 % | 1.40 % | -0.05 % |
| $O_2$ | 10.09 % | 10.27 % | 0.87 % | 10.26 % | 0.82 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.1 ppm | 8.9 ppm | -0.89 % | 9.0 ppm | -0.44 % | 0.44 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.3 ppm | 9.2 ppm | -0.45 % | 9.2 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.28 % | 1.40 % | 0.26 % | 1.30 % | -0.10 % |
| $O_2$ | 10.09 % | 10.26 % | 0.82 % | 10.26 % | 0.82 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.1 ppm | 9.0 ppm | -0.44 % | 9.0 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.3 ppm | 9.2 ppm | -0.45 % | 9.2 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.26 % | 1.30 % | 0.25 % | 1.25 % | -0.05 % |
| $O_2$ | 10.09 % | 10.26 % | 0.82 % | 10.25 % | 0.77 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.1 ppm | 9.0 ppm | -0.44 % | 9.0 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | -0.1 ppm | -0.42 % | -0.42 % |
| CO | 9.3 ppm | 9.2 ppm | -0.45 % | 9.1 ppm | -0.73 % | -0.27 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.25 % | 1.25 % | 0.24 % | 1.21 % | -0.05 % |
| $O_2$ | 10.09 % | 10.25 % | 0.77 % | 10.25 % | 0.77 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.1 ppm | 9.0 ppm | -0.44 % | 9.0 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | -0.1 ppm | -0.45 % | -0.2 ppm | -0.90 % | -0.45 % |
| CO | 9.3 ppm | 9.1 ppm | -0.90 % | 9.1 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.24 % | 1.21 % | 0.27 % | 1.35 % | 0.14 % |
| $O_2$ | 10.09 % | 10.25 % | 0.77 % | 10.25 % | 0.77 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.1 ppm | 9.0 ppm | -0.44 % | 9.0 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | -0.2 ppm | -0.90 % | -0.1 ppm | -0.45 % | 0.45 % |
| CO | 9.3 ppm | 9.1 ppm | -0.90 % | 9.2 ppm | -0.45 % | 0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.27 % | 1.35 % | 0.27 % | 1.35 % | 0.00 % |
| $O_2$ | 10.09 % | 10.25 % | 0.77 % | 10.24 % | 0.72 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.44 % | 0.44 % |
| $NO_X$ | 9.1 ppm | 9.0 ppm | -0.44 % | 9.0 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | -0.1 ppm | -0.45 % | 0.0 ppm | 0.00 % | 0.45 % |
| CO | 9.3 ppm | 9.2 ppm | -0.45 % | 9.1 ppm | -0.90 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.27 % | 1.35 % | 0.26 % | 1.30 % | -0.05 % |
| $O_2$ | 10.09 % | 10.24 % | 0.72 % | 10.23 % | 0.68 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.1 ppm | 9.0 ppm | -0.44 % | 9.0 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | -0.1 ppm | -0.45 % | -0.45 % |
| CO | 9.3 ppm | 9.1 ppm | -0.90 % | 9.1 ppm | -0.90 % | 0.00 % |

# Unit 4D HRSG

Calibration Error Tests
Bias and Drift Tests

# Analyzer Calibration Error

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

## Oxygen Monitor

**Method 3A**
Serial Number: 01420D/3379

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 % | -0.02 % | -0.02 % | -0.10 % |
| CC 705271/cg3 | 10.26 % | 10.05 % | -0.21 % | -1.01 % |
| EB0062572/cg2 | 20.74 % | 20.64 % | -0.10 % | -0.48 % |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 934838563

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.34 ppm | 9.2 ppm | -0.1 ppm | -0.64 % |
| CC408040/cg4 | 22.50 ppm | 22.6 ppm | 0.1 ppm | 0.44 % |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: 1336459888

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.41 ppm | 9.4 ppm | 0.0 ppm | -0.03 % |
| CC408040/cg4 | 22.16 ppm | 22.2 ppm | 0.0 ppm | 0.18 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.10 % | 0.58 % | 0.08 % | 0.48 % | -0.10 % |
| $O_2$ | 10.05 % | 10.00 % | -0.24 % | 9.99 % | -0.29 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.0 ppm | 0.00 % | -0.44 % |
| $NO_X$ | 9.2 ppm | 8.9 ppm | -1.33 % | 9.0 ppm | -0.89 % | 0.44 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.0 ppm | 0.00 % | -0.45 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.3 ppm | -0.45 % | 0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.08 % | 0.48 % | 0.09 % | 0.53 % | 0.05 % |
| $O_2$ | 10.05 % | 9.99 % | -0.29 % | 10.01 % | -0.19 % | 0.10 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.45 % | 0.45 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.09 % | 0.53 % | 0.09 % | 0.53 % | 0.00 % |
| $O_2$ | 10.05 % | 10.01 % | -0.19 % | 10.00 % | -0.24 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.0 ppm | 0.00 % | -0.45 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.2 ppm | -0.90 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.09 % | 0.53 % | 0.08 % | 0.48 % | -0.05 % |
| $O_2$ | 10.05 % | 10.00 % | -0.24 % | 10.00 % | -0.24 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.44 % | 0.44 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.3 ppm | -0.45 % | 0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.08 % | 0.48 % | 0.09 % | 0.53 % | 0.05 % |
| $O_2$ | 10.05 % | 10.00 % | -0.24 % | 10.00 % | -0.24 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.0 ppm | 0.00 % | -0.44 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.0 ppm | -0.89 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.20 % | 0.20 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.53 % | -0.08 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.09 % | 0.53 % | 0.09 % | 0.53 % | 0.00 % |
| $O_2$ | 10.05 % | 10.00 % | -0.24 % | 10.00 % | -0.24 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.44 % | 0.44 % |
| $NO_X$ | 9.2 ppm | 9.0 ppm | -0.89 % | 9.1 ppm | -0.44 % | 0.44 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.45 % | 0.45 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.2 ppm | -0.90 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.09 % | 0.53 % | 0.08 % | 0.48 % | -0.05 % |
| $O_2$ | 10.05 % | 10.00 % | -0.24 % | 10.00 % | -0.24 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.1 ppm | -0.44 % | 9.1 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.3 ppm | -0.45 % | 0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.08 % | 0.48 % | 0.08 % | 0.48 % | 0.00 % |
| $O_2$ | 10.05 % | 10.00 % | -0.24 % | 9.99 % | -0.29 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.1 ppm | -0.44 % | 9.1 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.02 % | 0.08 % | 0.48 % | 0.09 % | 0.53 % | 0.05 % |
| $O_2$ | 10.05 % | 9.99 % | -0.29 % | 9.99 % | -0.29 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.2 ppm | 9.1 ppm | -0.44 % | 9.1 ppm | -0.44 % | 0.00 % |
| CO | 0.0 ppm | 0.1 ppm | 0.45 % | 0.1 ppm | 0.45 % | 0.00 % |
| CO | 9.4 ppm | 9.3 ppm | -0.45 % | 9.3 ppm | -0.45 % | 0.00 % |

# Unit 4D Bypass

Calibration Error Tests
Bias and Drift Tests

# Analyzer Calibration Error

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

## Oxygen Monitor

**Method 3A**
Serial Number: 1420C/2741

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 % | -0.01 % | -0.01 % | -0.05 % |
| CC 705271/cg3 | 10.26 % | 10.19 % | -0.07 % | -0.34 % |
| EB0062572/cg2 | 20.74 % | 20.73 % | -0.01 % | -0.05 % |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 1336459882

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.34 ppm | 9.3 ppm | 0.0 ppm | -0.20 % |
| CC408040/cg4 | 22.50 ppm | 22.6 ppm | 0.1 ppm | 0.44 % |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: CM08460059

| Cylinder Number | Reference Gas Concentration | Analyzer Response | Difference | Calibration Error (%) |
|---|---|---|---|---|
| CC472641/cg1 | 0.0 ppm | 0.0 ppm | 0.0 ppm | 0.00 % |
| CC492629/cg5 | 9.41 ppm | 9.4 ppm | 0.0 ppm | -0.03 % |
| CC408040/cg4 | 22.16 ppm | 22.2 ppm | 0.0 ppm | 0.18 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.24 % | 1.21 % | 0.26 % | 1.30 % | 0.10 % |
| $O_2$ | 10.19 % | 10.27 % | 0.39 % | 10.21 % | 0.10 % | -0.29 % |
| $NO_X$ | 0.0 ppm | 0.0 ppm | 0.00 % | 0.1 ppm | 0.44 % | 0.44 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 9.0 ppm | -1.33 % | 0.44 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.26 % | 1.30 % | 0.25 % | 1.25 % | -0.05 % |
| $O_2$ | 10.19 % | 10.21 % | 0.10 % | 10.21 % | 0.10 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 9.0 ppm | -1.33 % | 8.9 ppm | -1.78 % | -0.44 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.25 % | 1.25 % | 0.22 % | 1.11 % | -0.14 % |
| $O_2$ | 10.19 % | 10.21 % | 0.10 % | 10.21 % | 0.10 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.2 ppm | -0.90 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.22 % | 1.11 % | 0.20 % | 1.01 % | -0.10 % |
| $O_2$ | 10.19 % | 10.21 % | 0.10 % | 10.28 % | 0.43 % | 0.34 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.2 ppm | -0.90 % | 9.1 ppm | -1.35 % | -0.45 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.20 % | 1.01 % | 0.19 % | 0.96 % | -0.05 % |
| $O_2$ | 10.19 % | 10.28 % | 0.43 % | 10.27 % | 0.39 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | -0.04 % | -0.04 % |
| CO | 9.4 ppm | 9.1 ppm | -1.35 % | 9.1 ppm | -1.29 % | 0.07 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.19 % | 0.96 % | 0.18 % | 0.92 % | -0.05 % |
| $O_2$ | 10.19 % | 10.27 % | 0.39 % | 10.26 % | 0.34 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.1 ppm | -1.35 % | 9.1 ppm | -1.35 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.18 % | 0.92 % | 0.18 % | 0.92 % | 0.00 % |
| $O_2$ | 10.19 % | 10.26 % | 0.34 % | 10.26 % | 0.34 % | 0.00 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.1 ppm | -1.35 % | 9.1 ppm | -1.35 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.18 % | 0.92 % | 0.16 % | 0.82 % | -0.10 % |
| $O_2$ | 10.19 % | 10.26 % | 0.34 % | 10.25 % | 0.29 % | -0.05 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | 0.0 ppm | 0.00 % | 0.00 % |
| CO | 9.4 ppm | 9.1 ppm | -1.35 % | 9.1 ppm | -1.35 % | 0.00 % |

# Sampling System Bias and Drift

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Monitor Type | Analyzer Cal Response | Initial Cal Value | Pre Run Bias (%) | Final Cal Value | Post Run Bias (%) | Total Run Drift (%) |
|---|---|---|---|---|---|---|
| $O_2$ | -0.01 % | 0.16 % | 0.82 % | 0.15 % | 0.77 % | -0.05 % |
| $O_2$ | 10.19 % | 10.25 % | 0.29 % | 10.23 % | 0.19 % | -0.10 % |
| $NO_X$ | 0.0 ppm | 0.1 ppm | 0.44 % | 0.1 ppm | 0.44 % | 0.00 % |
| $NO_X$ | 9.3 ppm | 8.9 ppm | -1.78 % | 8.9 ppm | -1.78 % | 0.00 % |
| CO | 0.0 ppm | 0.0 ppm | 0.00 % | -0.1 ppm | -0.45 % | -0.45 % |
| CO | 9.4 ppm | 9.1 ppm | -1.35 % | 9.0 ppm | -1.81 % | -0.45 % |

# $NO_2$ to NO Converter Efficiency Tests

# C.E.M. Solutions, Inc.

## $NO_2$ to NO Converter Efficiency Test

1. Calibrate the analyzer to a concentration of NO greater than or equal to 50ppm.
2. Introduce $NO_2$ (40-60ppm) into the analyzer.
3. Record the following data:

| | | | |
|---|---|---|---|
| Calibration Gas Value ($C_v$) = | 51.65 | Eff $NO_2$ = | 91.8% |
| Analyzer Value ($C_{dir}$) = | 47.40 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 91.8% | = | 47.4 | / | 51.65 | * | 100 |

| | |
|---|---|
| Date: | 2/9/2021 |
| Technician: | J. Conn |
| Analyzer S/N: | 934838563 |
| $NO_2$ Cylinder S/N: | CC515122 |
| $NO_2$ Cylinder Expiration Date: | 6/17/2022 |

$NO_2$ to NO Converter Efficiency must be greater than or equal to 90%

# C.E.M. Solutions, Inc.

## $NO_2$ to NO Converter Efficiency Test

1. Calibrate the analyzer to a concentration of NO greater than or equal to 50ppm.
2. Introduce $NO_2$ (40-60ppm) into the analyzer.
3. Record the following data:

| | | | |
|---|---|---|---|
| Calibration Gas Value ($C_v$) = | 51.65 | Eff $NO_2$ = | 93.7% |
| Analyzer Value ($C_{dir}$) = | 48.4 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 93.7% | = | 48.4 | / | 51.65 | * | 100 |

| | |
|---|---|
| Date: | 2/9/2021 |
| Technician: | J. Conn |
| Analyzer S/N: | 1336459882 |
| $NO_2$ Cylinder S/N: | CC515122 |
| $NO_2$ Cylinder Expiration Date: | 6/17/2022 |

$NO_2$ to NO Converter Efficiency must be greater than or equal to 90%

# C.E.M. Solutions, Inc.

## $NO_2$ to NO Converter Efficiency Test

1. Calibrate the analyzer to a concentration of NO greater than or equal to 50ppm.
2. Introduce $NO_2$ (40-60ppm) into the analyzer.
3. Record the following data:

| | | | |
|---|---|---|---|
| Calibration Gas Value ($C_v$) = | 51.65 | Eff $NO_2$ = | 91.8% |
| Analyzer Value ($C_{dir}$) = | 47.40 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 91.8% | = | 47.4 | / | 51.65 | * | 100 |

| | |
|---|---|
| Date: | 2/10/2021 |
| Technician: | J. Conn |
| Analyzer S/N: | 934838563 |
| $NO_2$ Cylinder S/N: | CC515122 |
| $NO_2$ Cylinder Expiration Date: | 6/17/2022 |

$NO_2$ to NO Converter Efficiency must be greater than or equal to 90%

# C.E.M. Solutions, Inc.

## $NO_2$ to NO Converter Efficiency Test

1. Calibrate the analyzer to a concentration of NO greater than or equal to 50ppm.
2. Introduce $NO_2$ (40-60ppm) into the analyzer.
3. Record the following data:

| | | | |
|---|---|---|---|
| Calibration Gas Value ($C_v$) = | 51.65 | Eff $NO_2$ = | 92.9% |
| Analyzer Value ($C_{dir}$) = | 48.00 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 92.9% | = | 48 | / | 51.65 | * | 100 |

| | |
|---|---|
| Date: | 2/10/2021 |
| Technician: | J. Conn |
| Analyzer S/N: | 1336459882 |
| $NO_2$ Cylinder S/N: | CC515122 |
| $NO_2$ Cylinder Expiration Date: | 6/17/2022 |

$NO_2$ to NO Converter Efficiency must be greater than or equal to 90%

# C.E.M. Solutions, Inc.

## $NO_2$ to NO Converter Efficiency Test

1. Calibrate the analyzer to a concentration of NO greater than or equal to 50ppm.
2. Introduce $NO_2$ (40-60ppm) into the analyzer.
3. Record the following data:

| | | | |
|---|---|---|---|
| Calibration Gas Value ($C_v$) = | 51.65 | Eff $NO_2$ = | 91.8% |
| Analyzer Value ($C_{dir}$) = | 47.40 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 91.8% | = | 47.4 | / | 51.65 | * | 100 |

| | |
|---|---|
| Date: | 2/11/2021 |
| Technician: | J. Conn |
| Analyzer S/N: | 934838563 |
| $NO_2$ Cylinder S/N: | CC515122 |
| $NO_2$ Cylinder Expiration Date: | 6/17/2022 |

$NO_2$ to NO Converter Efficiency must be greater than or equal to 90%

# C.E.M. Solutions, Inc.

## $NO_2$ to NO Converter Efficiency Test

1. Calibrate the analyzer to a concentration of NO greater than or equal to 50ppm.
2. Introduce $NO_2$ (40-60ppm) into the analyzer.
3. Record the following data:

| | | | |
|---|---|---|---|
| Calibration Gas Value ($C_v$) = | 51.65 | Eff $NO_2$ = | 93.5% |
| Analyzer Value ($C_{dir}$) = | 48.3 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 93.5% | = | 48.3 | / | 51.65 | * | 100 |

| | |
|---|---|
| Date: | 2/11/2021 |
| Technician: | J. Conn |
| Analyzer S/N: | 1336459882 |
| $NO_2$ Cylinder S/N: | CC515122 |
| $NO_2$ Cylinder Expiration Date: | 6/17/2022 |

$NO_2$ to NO Converter Efficiency must be greater than or equal to 90%

# Instrument Analyzer Response Time Tests

# Analyzer Response Time Test

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337

**System Response Time:** **130** **Seconds**

## Oxygen Monitor

**Method 3A**
Serial Number: 01420D/3379

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 20.74 % | |
| Upscale Gas | 10.26 % | 120 |
| Zero Gas | 0.0 % | 120 |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 934838563

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.50 ppm | |
| Upscale Gas | 9.34 ppm | 130 |
| Zero Gas | 0.0 ppm | 130 |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: 1336459888

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.16 ppm | |
| Upscale Gas | 9.41 ppm | 130 |
| Zero Gas | 0.0 ppm | 130 |

# Analyzer Response Time Test

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337

**System Response Time:** **135** **Seconds**

## Oxygen Monitor

**Method 3A**
Serial Number: 1420C/2741

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 20.74 % | |
| Upscale Gas | 10.26 % | 135 |
| Zero Gas | 0.0 % | 135 |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 1336459882

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.50 ppm | |
| Upscale Gas | 9.34 ppm | 120 |
| Zero Gas | 0.0 ppm | 120 |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: CM08460059

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.16 ppm | |
| Upscale Gas | 9.41 ppm | 120 |
| Zero Gas | 0.0 ppm | 120 |

# Analyzer Response Time Test

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337

**System Response Time:** **110** **Seconds**

## Oxygen Monitor

**Method 3A**
Serial Number: 01420D/3379

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 20.74 % | |
| Upscale Gas | 10.26 % | 100 |
| Zero Gas | 0.0 % | 100 |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 934838563

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.50 ppm | |
| Upscale Gas | 9.34 ppm | 110 |
| Zero Gas | 0.0 ppm | 110 |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: 1336459888

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.16 ppm | |
| Upscale Gas | 9.41 ppm | 100 |
| Zero Gas | 0.0 ppm | 100 |

# Analyzer Response Time Test

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337

**System Response Time:** **150** **Seconds**

## Oxygen Monitor

**Method 3A**
Serial Number: 1420C/2741

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 20.74 % | |
| Upscale Gas | 10.26 % | 150 |
| Zero Gas | 0.0 % | 150 |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 1336459882

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.50 ppm | |
| Upscale Gas | 9.34 ppm | 120 |
| Zero Gas | 0.0 ppm | 120 |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: CM08460059

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.16 ppm | |
| Upscale Gas | 9.41 ppm | 120 |
| Zero Gas | 0.0 ppm | 120 |

# Analyzer Response Time Test

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337

**System Response Time:** **120** **Seconds**

## Oxygen Monitor

**Method 3A**
Serial Number: 01420D/3379

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 20.74 % | |
| Upscale Gas | 10.26 % | 110 |
| Zero Gas | 0.00 % | 110 |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 934838563

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.50 ppm | |
| Upscale Gas | 9.34 ppm | 120 |
| Zero Gas | 0.00 ppm | 120 |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: 1336459888

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.16 ppm | |
| Upscale Gas | 9.41 ppm | 120 |
| Zero Gas | 0.00 ppm | 120 |

# Analyzer Response Time Test

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337

**System Response Time:** **135** **Seconds**

## Oxygen Monitor

**Method 3A**
Serial Number: 1420C/2741

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 20.74 % | |
| Upscale Gas | 10.26 % | 135 |
| Zero Gas | 0.0 % | 135 |

## Nitrogen Oxides Monitor

**Method 7E**
Serial Number: 1336459882

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.50 ppm | |
| Upscale Gas | 9.34 ppm | 120 |
| Zero Gas | 0.0 ppm | 120 |

## Carbon Monoxide Monitor

**Method 10**
Serial Number: CM08460059

| | Reference Gas Concentration | Response Time (seconds) |
|---|---|---|
| Calibration Span | 22.16 ppm | |
| Upscale Gas | 9.41 ppm | 120 |
| Zero Gas | 0.0 ppm | 120 |

# Appendix F: Reference Method Data

$NO_X$, CO, and $O_2$ Calculations of Average Emissions of Raw Data

# Unit 4B HRSG

$NO_X$, CO, and $O_2$ Calculations of Average Emissions, Raw Data

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.02 % | 0.03 % | 0.03 |
| 10.26 percent $O_2$ | 10.02 % | 9.99 % | 10.01 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 8.8 ppm | 8.8 ppm | 8.83 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.13 |
| 9.4 ppm CO | 9.4 ppm | 9.3 ppm | 9.33 |

| Mean Reference Values: | Corrected Results: | Basis: |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 8.7 ppm $NO_X$ | **9.2** ppm $NO_X$ | DRY |
| 0.8 ppm CO | **0.7** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.6** NOxppm @ 15% O2 from O2
**0.6** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.00 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.03 % | 0.03 % | 0.03 |
| 10.26 percent $O_2$ | 9.99 % | 10.05 % | 10.02 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.8 ppm | 8.8 ppm | 8.83 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.11 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.30 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.4 ppm $NO_X$ | **8.9** ppm $NO_X$ | DRY |
| 0.6 ppm CO | **0.5** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.5** NOxppm @ 15% O2 from O2
**0.4** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.03 % | 0.03 % | 0.03 |
| 10.26 percent $O_2$ | 10.05 % | 10.04 % | 10.04 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.07 |
| 9.3 ppm $NO_X$ | 8.8 ppm | 8.9 ppm | 8.86 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.10 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.30 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 8.4 ppm $NO_X$ | **8.9** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.5** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.4** NOxppm @ 15% O2 from O2
**0.4** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.03 % | 0.02 % | 0.03 |
| 10.26 percent $O_2$ | 10.04 % | 10.03 % | 10.04 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.87 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.10 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.30 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 8.5 ppm $NO_X$ | **9.0** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.5** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.02 % | 0.03 % | 0.03 |
| 10.26 percent $O_2$ | 10.03 % | 10.03 % | 10.03 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.87 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.12 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.31 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 8.4 ppm $NO_X$ | **8.9** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.4** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.03 % | 0.03 % | 0.03 |
| 10.26 percent $O_2$ | 10.03 % | 10.03 % | 10.03 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.10 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.87 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.13 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.30 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 8.4 ppm $NO_X$ | **8.9** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.4** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.03 % | 0.02 % | 0.03 |
| 10.26 percent $O_2$ | 10.03 % | 10.03 % | 10.03 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.88 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.10 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.29 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 8.5 ppm $NO_X$ | **9.0** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.5** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.02 % | 0.04 % | 0.03 |
| 10.26 percent $O_2$ | 10.03 % | 9.97 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.10 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 9.0 ppm | 8.95 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.31 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.4 ppm $NO_X$ | **8.7** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.3** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B HRSG (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.04 % | 0.04 % | 0.04 |
| 10.26 percent $O_2$ | 9.97 % | 9.96 % | 9.97 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 9.00 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.33 |

| Mean Reference Values: | Corrected Results: | Basis: |
|---|---|---|
| 13.5 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.3 ppm $NO_X$ | **8.7** ppm $NO_X$ | DRY |
| 0.4 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.3** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| filename | | 2/11/2021 | 7:03:15 | C:\RM\DATA\20210211.CSV | | | | | | | | | | | | | | |
| testby1 | C.E.M. Solutions, Inc. | | | | | | | | | | | | | | | | | |
| testby2 | 1183 E. Overdrive Circle | | | | | | | | | | | | | | | | | |
| testby3 | Hernando, FL 34442 | | | | | | | | | | | | | | | | | |
| testby4 | (352) 489-4337 | | | | | | | | | | | | | | | | | |
| testfor1 | Duke Energy Florida | | | | | | | | | | | | | | | | | |
| testfor2 | Bartow | | | | | | | | | | | | | | | | | |
| testfor3 | 4B HRSG (EU -039) | | | | | | | | | | | | | | | | | |
| testfor4 | RATA/Comp | | | | | | | | | | | | | | | | | |
| name | | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | | | | |
| sn | | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | | | |
| offset | | | | 0 | 0 | 0 | 0 | | | | | | | | | | | |
| fullscale | | | | 25 | 25 | 25 | 25 | | | | | | | | | | | |
| train | | | | 1 | 1 | 1 | 1 | | | | | | | | | | | |
| gastype | | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | | | |
| dcg1 | | 2/11/2021 | 7:05:00 | 20.56 | -0.01 | 0.0 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:05:15 | 20.57 | -0.01 | 0.0 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:05:30 | 20.57 | -0.01 | 0.0 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:05:45 | 20.58 | -0.01 | 0.0 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:06:00 | 12.55 | -0.04 | 0.0 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:06:15 | 0.27 | -0.07 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:06:30 | 0.02 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:06:45 | 0.00 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:07:00 | -0.01 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:07:15 | -0.02 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:07:30 | -0.02 | -0.09 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:07:45 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:08:00 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:08:15 | -0.04 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:08:30 | -0.04 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:08:45 | -0.04 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg1 | | 2/11/2021 | 7:09:00 | -0.05 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| o2ezero1 | | 2/11/2021 | 7:09:00 | -0.05 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| co2ezero1 | | 2/11/2021 | 7:09:00 | -0.05 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| noxezero1 | | 2/11/2021 | 7:09:00 | -0.05 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| coezero1 | | 2/11/2021 | 7:09:00 | -0.05 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:09:30 | 0.81 | -0.08 | 0.0 | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:09:45 | 15.41 | 3.08 | 0.0 | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:10:00 | 19.52 | 15.05 | 0.0 | -0.2 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:10:15 | 20.92 | 21.88 | 0.0 | -0.4 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:10:30 | 20.97 | 22.38 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:10:45 | 20.98 | 22.48 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:11:00 | 20.97 | 22.55 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:11:15 | 20.98 | 22.62 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:11:30 | 20.66 | 22.66 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:11:45 | 20.55 | 22.76 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:12:00 | 20.56 | 22.98 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:12:15 | 20.63 | 23.03 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:12:30 | 20.71 | 23.06 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg2 | | 2/11/2021 | 7:12:45 | 20.72 | 23.08 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| o2high1 | | 2/11/2021 | 7:12:45 | 20.72 | 23.08 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| co2high1 | | 2/11/2021 | 7:12:15 | 20.63 | 23.03 | 0.0 | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:13:00 | 20.72 | 23.11 | 0.0 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:13:15 | 13.53 | 14.04 | 0.0 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:13:30 | 9.28 | 8.96 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:13:45 | 9.99 | 11.52 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:14:00 | 10.07 | 11.79 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:14:15 | 10.07 | 11.79 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:14:30 | 10.07 | 11.78 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg3 | | 2/11/2021 | 7:14:45 | 10.07 | 11.76 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| o2mid1 | | 2/11/2021 | 7:14:45 | 10.07 | 11.76 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| co2mid1 | | 2/11/2021 | 7:14:45 | 10.07 | 11.76 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:15:00 | 10.07 | 11.75 | 0.0 | -0.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:15:15 | 4.13 | 5.19 | 1.1 | 1.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:15:30 | 0.16 | 0.47 | 3.1 | 10.5 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:15:45 | 0.00 | 0.34 | 10.6 | 18.0 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:16:00 | -0.03 | 0.28 | 21.4 | 21.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:16:15 | -0.03 | 0.24 | 22.6 | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:16:30 | -0.04 | 0.20 | 22.7 | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:16:45 | -0.04 | 0.17 | 22.7 | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:17:00 | -0.04 | 0.14 | 22.7 | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:17:15 | -0.05 | 0.12 | 22.7 | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:17:30 | -0.05 | 0.09 | 22.7 | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:17:45 | -0.05 | 0.07 | 22.6 | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg4 | | 2/11/2021 | 7:18:00 | -0.06 | 0.06 | 22.6 | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| noxhigh1 | | 2/11/2021 | 7:18:00 | -0.06 | 0.06 | 22.6 | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| cohigh1 | | 2/11/2021 | 7:18:00 | -0.06 | 0.06 | 22.6 | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:18:15 | -0.05 | 0.04 | 22.6 | 22.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:18:30 | 0.03 | 0.05 | 22.3 | 20.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:18:45 | -0.06 | 0.02 | 12.3 | 15.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:19:00 | -0.06 | 0.01 | 10.2 | 10.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:19:15 | -0.06 | 0.00 | 9.8 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:19:30 | -0.07 | -0.01 | 9.6 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:19:45 | -0.07 | -0.02 | 9.5 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:20:00 | -0.07 | -0.02 | 9.4 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:20:15 | -0.07 | -0.03 | 9.3 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:20:30 | -0.07 | -0.04 | 9.3 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:20:45 | -0.07 | -0.04 | 9.2 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:21:00 | -0.07 | -0.04 | 9.2 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:21:15 | -0.07 | -0.04 | 9.2 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:21:30 | -0.08 | -0.05 | 9.2 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| noxmid1 | | 2/11/2021 | 7:20:30 | -0.07 | -0.04 | 9.3 | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| comid1 | | 2/11/2021 | 7:21:15 | -0.07 | -0.04 | 9.2 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:22:15 | 19.14 | -0.01 | 4.3 | 6.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:22:30 | 6.13 | -0.04 | 0.7 | 3.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:22:45 | 0.00 | -0.06 | 8.8 | 5.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:23:00 | -0.07 | -0.06 | 9.1 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:23:15 | -0.07 | -0.07 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:23:30 | -0.07 | -0.07 | 9.1 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| dcg5 | | 2/11/2021 | 7:23:45 | -0.07 | -0.06 | 9.1 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:24:30 | 19.92 | -0.02 | 2.9 | 5.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:24:45 | 20.40 | -0.02 | 0.1 | 1.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:25:00 | 20.39 | -0.02 | 0.1 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:25:15 | 20.24 | -0.02 | 0.1 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:25:30 | 14.53 | 4.79 | 0.1 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:25:45 | 10.34 | 10.43 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:26:00 | 10.09 | 10.98 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:26:15 | 10.05 | 11.11 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:26:30 | 10.03 | 11.19 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg3 | | 2/11/2021 | 7:26:45 | 10.02 | 11.25 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| o2span1 | | 2/11/2021 | 7:26:45 | 10.02 | 11.25 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| co2span1 | | 2/11/2021 | 7:26:45 | 10.02 | 11.25 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:27:00 | 10.01 | 11.29 | 0.0 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:27:15 | 10.00 | 11.33 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:27:30 | 10.00 | 11.35 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:27:45 | 9.99 | 11.38 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:28:00 | 7.10 | 8.51 | 0.2 | 0.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:28:15 | 0.63 | 1.03 | 4.9 | 2.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:28:30 | 0.26 | 0.50 | 8.4 | 6.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:28:45 | 0.19 | 0.37 | 8.6 | 8.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |
| scg5 | | 2/11/2021 | 7:29:00 | 0.15 | 0.29 | 8.7 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg5 | 2/11/2021 | 7:29:15 | 0.12 | 0.23 | 8.8 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 7:29:30 | 0.10 | 0.19 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 7:29:45 | 0.08 | 0.15 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 7:30:00 | 0.07 | 0.12 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 7:30:15 | 0.06 | 0.09 | 8.8 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 7:30:30 | 0.05 | 0.06 | 8.8 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/11/2021 | 7:30:30 | 0.05 | 0.06 | 8.8 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/11/2021 | 7:30:30 | 0.05 | 0.06 | 8.8 | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:31:00 | 0.04 | 0.04 | 8.8 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:31:15 | 0.03 | 0.03 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:31:30 | 0.03 | 0.01 | 8.8 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:31:45 | 0.04 | 0.01 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:32:00 | 0.04 | 0.01 | 5.1 | 6.8 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:32:15 | 0.04 | -0.01 | 0.3 | 2.9 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:32:30 | 0.04 | -0.01 | 0.1 | 0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:32:45 | 0.03 | -0.02 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:33:00 | 0.03 | -0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:33:15 | 0.02 | -0.03 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:33:30 | 0.02 | -0.03 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:33:45 | 0.02 | -0.03 | 0.0 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/11/2021 | 7:33:30 | 0.02 | -0.03 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/11/2021 | 7:33:30 | 0.02 | -0.03 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/11/2021 | 7:33:30 | 0.02 | -0.03 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/11/2021 | 7:33:30 | 0.02 | -0.03 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:34:15 | 0.00 | -0.04 | 0.0 | 0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:34:30 | 2.68 | -0.05 | 0.0 | 0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:34:45 | 18.77 | -0.06 | 9.1 | 0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:35:00 | 20.53 | -0.06 | 25.3 | 0.0 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:35:15 | 20.62 | -0.06 | 25.4 | 0.0 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:35:30 | 20.64 | -0.06 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:35:45 | 20.66 | -0.06 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:36:00 | 20.67 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:36:15 | 20.68 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:36:30 | 20.69 | -0.07 | 25.3 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:36:45 | 20.69 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/11/2021 | 7:37:00 | 20.70 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:37:15 | 20.70 | -0.07 | 25.3 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:37:30 | 15.15 | -0.07 | 25.3 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:37:45 | 0.50 | -0.07 | 15.8 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:38:00 | -0.01 | -0.07 | 0.5 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:38:15 | -0.03 | -0.07 | 0.3 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:38:30 | -0.05 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:38:45 | -0.05 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:39:00 | -0.05 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:39:15 | -0.05 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:39:30 | -0.06 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:39:45 | -0.06 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:40:00 | -0.06 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/11/2021 | 7:40:15 | -0.06 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 7:41:15 | 20.40 | -0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run1 | 2/11/2021 | 7:50:00 | 13.44 | 4.04 | 8.8 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:50:15 | 13.44 | 4.04 | 8.8 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:50:30 | 13.44 | 4.04 | 8.8 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:50:45 | 13.44 | 4.04 | 8.8 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:51:00 | 13.45 | 4.04 | 8.7 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:51:15 | 13.45 | 4.04 | 8.6 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 7:51:30 | 13.44 | 4.05 | 8.7 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 7:51:45 | 13.44 | 4.05 | 8.7 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:52:00 | 13.44 | 4.05 | 8.7 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:52:15 | 13.45 | 4.04 | 8.7 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:52:30 | 13.45 | 4.05 | 8.7 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:52:45 | 13.45 | 4.05 | 8.7 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:53:00 | 13.45 | 4.05 | 8.7 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 7:53:15 | 13.45 | 4.04 | 8.7 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 7:53:30 | 13.45 | 4.04 | 8.7 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 7:53:45 | 13.45 | 4.05 | 8.8 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:54:00 | 13.45 | 4.05 | 8.9 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:54:15 | 13.45 | 4.05 | 8.9 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:54:30 | 13.45 | 4.05 | 8.9 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:54:45 | 13.45 | 4.04 | 8.9 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:55:00 | 13.45 | 4.05 | 8.9 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:55:15 | 13.45 | 4.05 | 8.9 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 7:55:30 | 13.46 | 4.04 | 8.8 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 7:55:45 | 13.46 | 4.05 | 8.9 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:56:00 | 13.45 | 4.05 | 8.9 | 0.9 | | | | | | | | |
| run1 | 2/11/2021 | 7:56:15 | 13.45 | 4.05 | 8.9 | 0.9 | | | | | | | | |
| run1 | 2/11/2021 | 7:56:30 | 13.45 | 4.05 | 8.9 | 1.1 | | | | | | | | |
| run1 | 2/11/2021 | 7:56:45 | 13.45 | 4.05 | 8.9 | 1.2 | | | | | | | | |
| run1 | 2/11/2021 | 7:57:00 | 13.46 | 4.05 | 8.9 | 1.4 | | | | | | | | |
| run1 | 2/11/2021 | 7:57:15 | 13.46 | 4.05 | 8.8 | 1.4 | | | | | | | | |
| run1 | 2/11/2021 | 7:57:30 | 13.45 | 4.05 | 8.8 | 1.5 | | | | | | | | |
| run1 | 2/11/2021 | 7:57:45 | 13.52 | 4.02 | 8.8 | 1.5 | | | | | | | | |
| run1 | 2/11/2021 | 7:58:00 | 13.63 | 3.93 | 8.5 | 1.4 | | | | | | | | |
| run1 | 2/11/2021 | 7:58:15 | 13.45 | 4.05 | 8.5 | 1.2 | | | | | | | | |
| run1 | 2/11/2021 | 7:58:30 | 13.44 | 4.05 | 8.7 | 1.2 | | | | | | | | |
| run1 | 2/11/2021 | 7:58:45 | 13.44 | 4.06 | 8.7 | 1.1 | | | | | | | | |
| run1 | 2/11/2021 | 7:59:00 | 13.45 | 4.05 | 8.8 | 1.0 | | | | | | | | |
| run1 | 2/11/2021 | 7:59:15 | 13.45 | 4.05 | 8.8 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:59:30 | 13.44 | 4.06 | 8.8 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 7:59:45 | 13.44 | 4.06 | 8.9 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:00:00 | 13.44 | 4.06 | 8.9 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:00:15 | 13.44 | 4.06 | 8.9 | 0.9 | | | | | | | | |
| run1 | 2/11/2021 | 8:00:30 | 13.44 | 4.06 | 9.0 | 0.9 | | | | | | | | |
| run1 | 2/11/2021 | 8:00:45 | 13.43 | 4.06 | 9.0 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:01:00 | 13.44 | 4.06 | 9.0 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:01:15 | 13.43 | 4.06 | 9.1 | 0.9 | | | | | | | | |
| run1 | 2/11/2021 | 8:01:30 | 13.43 | 4.06 | 9.1 | 1.0 | | | | | | | | |
| run1 | 2/11/2021 | 8:01:45 | 13.44 | 4.06 | 9.1 | 1.1 | | | | | | | | |
| run1 | 2/11/2021 | 8:02:00 | 13.45 | 4.06 | 9.1 | 1.1 | | | | | | | | |
| run1 | 2/11/2021 | 8:02:15 | 13.44 | 4.06 | 9.1 | 0.9 | | | | | | | | |
| run1 | 2/11/2021 | 8:02:30 | 13.44 | 4.06 | 9.1 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:02:45 | 13.44 | 4.06 | 9.0 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:03:00 | 13.44 | 4.06 | 8.9 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:03:15 | 13.45 | 4.05 | 8.8 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:03:30 | 13.45 | 4.05 | 8.6 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:03:45 | 13.46 | 4.05 | 8.5 | 0.6 | | | | | | | | |
| run1 | 2/11/2021 | 8:04:00 | 13.46 | 4.05 | 8.4 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:04:15 | 13.45 | 4.06 | 8.4 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:04:30 | 13.45 | 4.06 | 8.4 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:04:45 | 13.53 | 4.00 | 8.3 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:05:00 | 13.48 | 4.04 | 8.0 | 0.9 | | | | | | | | |
| run1 | 2/11/2021 | 8:05:15 | 13.46 | 4.05 | 8.3 | 0.8 | | | | | | | | |
| run1 | 2/11/2021 | 8:05:30 | 13.46 | 4.05 | 8.3 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:05:45 | 13.45 | 4.06 | 8.3 | 0.7 | | | | | | | | |
| run1 | 2/11/2021 | 8:06:00 | 13.45 | 4.05 | 8.3 | 0.7 | | | | | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run1 | 2/11/2021 | 8:06:15 | 13.46 | 4.05 | 8.3 | 0.7 | | | | | | | | | |
| run1 | 2/11/2021 | 8:06:30 | 13.45 | 4.05 | 8.3 | 0.8 | | | | | | | | | |
| run1 | 2/11/2021 | 8:06:45 | 13.46 | 4.06 | 8.4 | 0.8 | | | | | | | | | |
| run1 | 2/11/2021 | 8:07:00 | 13.46 | 4.05 | 8.4 | 0.8 | | | | | | | | | |
| run1 | 2/11/2021 | 8:07:15 | 13.46 | 4.05 | 8.5 | 0.8 | | | | | | | | | |
| run1 | 2/11/2021 | 8:07:30 | 13.46 | 4.05 | 8.5 | 0.8 | | | | | | | | | |
| run1 | 2/11/2021 | 8:07:45 | 13.46 | 4.05 | 8.5 | 0.8 | | | | | | | | | |
| run1 | 2/11/2021 | 8:08:00 | 13.45 | 4.05 | 8.5 | 0.7 | | | | | | | | | |
| run1 | 2/11/2021 | 8:08:15 | 13.46 | 4.05 | 8.5 | 0.8 | | | | | | | | | |
| run1 | 2/11/2021 | 8:08:30 | 13.46 | 4.05 | 8.5 | 0.7 | | | | | | | | | |
| run1 | 2/11/2021 | 8:08:45 | 13.46 | 4.05 | 8.5 | 0.7 | | | | | | | | | |
| run1 | 2/11/2021 | 8:09:00 | 13.46 | 4.05 | 8.5 | 0.6 | | | | | | | | | |
| run1 | 2/11/2021 | 8:09:15 | 13.46 | 4.05 | 8.5 | 0.7 | | | | | | | | | |
| run1 | 2/11/2021 | 8:09:30 | 13.46 | 4.05 | 8.5 | 0.6 | | | | | | | | | |
| run1 | 2/11/2021 | 8:09:45 | 13.46 | 4.05 | 8.5 | 0.7 | | | | | | | | | |
| run1 | 2/11/2021 | 8:10:00 | 13.46 | 4.05 | 8.5 | 0.7 | | | | | | | | | |
| run1 | 2/11/2021 | 8:10:15 | 13.46 | 4.05 | 8.5 | 0.6 | | | | | | | | | |
| run1 | 2/11/2021 | 8:10:30 | 13.46 | 4.05 | 8.5 | 0.6 | | | | | | | | | |
| run1 | 2/11/2021 | 8:10:45 | 13.46 | 4.05 | 8.5 | 0.6 | | | | | | | | | |
| averun1 | 2/11/2021 | 7:50:00 | 13.45 | 4.05 | 8.7 | 0.8 | | 21 | | | | | | | |
| scg3 | 2/11/2021 | 8:11:00 | 13.46 | 4.05 | 8.4 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:11:15 | 13.45 | 4.05 | 8.4 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:11:30 | 13.46 | 4.05 | 8.4 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:11:45 | 12.42 | 3.67 | 8.4 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:12:00 | 8.62 | 5.88 | 5.7 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:12:15 | 9.93 | 10.34 | 0.6 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:12:30 | 9.97 | 10.96 | 0.2 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:12:45 | 9.99 | 11.23 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 8:13:00 | 9.99 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/11/2021 | 8:13:00 | 9.99 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/11/2021 | 8:13:00 | 9.99 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:13:15 | 9.98 | 11.35 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:13:30 | 9.98 | 11.39 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:13:45 | 9.98 | 11.41 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:14:00 | 9.95 | 11.42 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:14:15 | 3.34 | 4.41 | 1.1 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:14:30 | 0.37 | 0.70 | 4.5 | 4.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:14:45 | 0.21 | 0.46 | 6.5 | 7.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:15:00 | 0.15 | 0.36 | 8.5 | 8.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:15:15 | 0.12 | 0.28 | 8.7 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:15:30 | 0.10 | 0.23 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 8:15:45 | 0.08 | 0.19 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/11/2021 | 8:15:45 | 0.08 | 0.19 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/11/2021 | 8:15:45 | 0.08 | 0.19 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:16:00 | 0.06 | 0.16 | 8.8 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:16:15 | 0.06 | 0.13 | 8.8 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:16:30 | 0.05 | 0.10 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:16:45 | 0.04 | 0.08 | 8.8 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:17:00 | 0.06 | 0.09 | 8.9 | 9.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:17:15 | 0.04 | 0.06 | 3.2 | 6.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:17:30 | 0.04 | 0.04 | 0.3 | 1.9 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:17:45 | 0.03 | 0.03 | 0.1 | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:18:00 | 0.03 | 0.02 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:18:15 | 0.03 | 0.01 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:18:30 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 8:18:45 | 0.03 | 0.00 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero1 | 2/11/2021 | 8:18:30 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2zero1 | 2/11/2021 | 8:18:30 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero1 | 2/11/2021 | 8:18:45 | 0.03 | 0.00 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero1 | 2/11/2021 | 8:18:30 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run2 | 2/11/2021 | 8:26:00 | 13.50 | 4.06 | 8.3 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:26:15 | 13.50 | 4.05 | 8.3 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:26:30 | 13.51 | 4.06 | 8.4 | 0.4 | | | | | | | | | |
| run2 | 2/11/2021 | 8:26:45 | 13.51 | 4.05 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:27:00 | 13.51 | 4.05 | 8.3 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:27:15 | 13.51 | 4.06 | 8.3 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:27:30 | 13.51 | 4.06 | 8.3 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:27:45 | 13.51 | 4.06 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:28:00 | 13.52 | 4.06 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:28:15 | 13.52 | 4.06 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:28:30 | 13.52 | 4.06 | 8.5 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:28:45 | 13.53 | 4.05 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:29:00 | 13.53 | 4.05 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:29:15 | 13.53 | 4.05 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:29:30 | 13.53 | 4.05 | 8.4 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:29:45 | 13.52 | 4.05 | 8.5 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:30:00 | 13.53 | 4.05 | 8.5 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:30:15 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:30:30 | 13.53 | 4.05 | 8.5 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:30:45 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:31:00 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:31:15 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:31:30 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:31:45 | 13.53 | 4.06 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:32:00 | 13.53 | 4.05 | 8.4 | 0.7 | | | | | | | | | |
| run2 | 2/11/2021 | 8:32:15 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:32:30 | 13.54 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:32:45 | 13.53 | 4.04 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:33:00 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:33:15 | 13.54 | 4.05 | 8.4 | 0.7 | | | | | | | | | |
| run2 | 2/11/2021 | 8:33:30 | 13.53 | 4.05 | 8.4 | 0.8 | | | | | | | | | |
| run2 | 2/11/2021 | 8:33:45 | 13.54 | 4.05 | 8.4 | 0.8 | | | | | | | | | |
| run2 | 2/11/2021 | 8:34:00 | 13.53 | 4.05 | 8.4 | 0.8 | | | | | | | | | |
| run2 | 2/11/2021 | 8:34:15 | 13.53 | 4.05 | 7.8 | 0.8 | | | | | | | | | |
| run2 | 2/11/2021 | 8:34:30 | 13.53 | 4.06 | 7.8 | 0.9 | | | | | | | | | |
| run2 | 2/11/2021 | 8:34:45 | 13.53 | 4.06 | 8.0 | 0.8 | | | | | | | | | |
| run2 | 2/11/2021 | 8:35:00 | 13.54 | 4.05 | 8.1 | 0.7 | | | | | | | | | |
| run2 | 2/11/2021 | 8:35:15 | 13.54 | 4.05 | 8.2 | 0.7 | | | | | | | | | |
| run2 | 2/11/2021 | 8:35:30 | 13.53 | 4.06 | 8.3 | 0.7 | | | | | | | | | |
| run2 | 2/11/2021 | 8:35:45 | 13.53 | 4.05 | 8.4 | 0.7 | | | | | | | | | |
| run2 | 2/11/2021 | 8:36:00 | 13.52 | 4.06 | 8.4 | 0.7 | | | | | | | | | |
| run2 | 2/11/2021 | 8:36:15 | 13.51 | 4.06 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:36:30 | 13.52 | 4.06 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:36:45 | 13.53 | 4.06 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:37:00 | 13.54 | 4.05 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:37:15 | 13.51 | 4.06 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:37:30 | 13.50 | 4.07 | 8.4 | 0.6 | | | | | | | | | |
| run2 | 2/11/2021 | 8:37:45 | 13.51 | 4.07 | 8.5 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:38:00 | 13.52 | 4.06 | 8.5 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:38:15 | 13.52 | 4.06 | 8.5 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:38:30 | 13.53 | 4.06 | 8.5 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:38:45 | 13.51 | 4.06 | 8.5 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:39:00 | 13.50 | 4.07 | 8.6 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:39:15 | 13.52 | 4.06 | 8.6 | 0.5 | | | | | | | | | |
| run2 | 2/11/2021 | 8:39:30 | 13.53 | 4.06 | 8.6 | 0.5 | | | | | | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H |
|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 |
| offset | | | 0 | 0 | 0 | 0 |
| fullscale | | | 25 | 25 | 25 | 25 |
| train | | | 1 | 1 | 1 | 1 |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 |
| run2 | 2/11/2021 | 8:39:45 | 13.54 | 4.05 | 8.5 | 0.5 |
| run2 | 2/11/2021 | 8:40:00 | 13.54 | 4.05 | 8.4 | 0.6 |
| run2 | 2/11/2021 | 8:40:15 | 13.54 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:40:30 | 13.54 | 4.05 | 8.3 | 0.5 |
| run2 | 2/11/2021 | 8:40:45 | 13.54 | 4.05 | 8.3 | 0.5 |
| run2 | 2/11/2021 | 8:41:00 | 13.54 | 4.05 | 8.7 | 0.5 |
| run2 | 2/11/2021 | 8:41:15 | 13.54 | 4.05 | 7.9 | 0.5 |
| run2 | 2/11/2021 | 8:41:30 | 13.53 | 4.06 | 8.0 | 0.5 |
| run2 | 2/11/2021 | 8:41:45 | 13.53 | 4.05 | 8.1 | 0.5 |
| run2 | 2/11/2021 | 8:42:00 | 13.53 | 4.06 | 8.2 | 0.6 |
| run2 | 2/11/2021 | 8:42:15 | 13.52 | 4.06 | 8.3 | 0.5 |
| run2 | 2/11/2021 | 8:42:30 | 13.53 | 4.06 | 8.3 | 0.5 |
| run2 | 2/11/2021 | 8:42:45 | 13.53 | 4.06 | 8.3 | 0.5 |
| run2 | 2/11/2021 | 8:43:00 | 13.54 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:43:15 | 13.54 | 4.06 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:43:30 | 13.54 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:43:45 | 13.54 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:44:00 | 13.54 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:44:15 | 13.54 | 4.05 | 8.5 | 0.5 |
| run2 | 2/11/2021 | 8:44:30 | 13.54 | 4.05 | 8.5 | 0.5 |
| run2 | 2/11/2021 | 8:44:45 | 13.54 | 4.05 | 8.4 | 0.6 |
| run2 | 2/11/2021 | 8:45:00 | 13.54 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:45:15 | 13.54 | 4.05 | 8.5 | 0.5 |
| run2 | 2/11/2021 | 8:45:30 | 13.54 | 4.05 | 8.5 | 0.5 |
| run2 | 2/11/2021 | 8:45:45 | 13.54 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:46:00 | 13.55 | 4.05 | 8.4 | 0.5 |
| run2 | 2/11/2021 | 8:46:15 | 13.55 | 4.05 | 8.5 | 0.5 |
| run2 | 2/11/2021 | 8:46:30 | 13.56 | 4.04 | 8.5 | 0.5 |
| run2 | 2/11/2021 | 8:46:45 | 13.55 | 4.05 | 8.5 | 0.5 |
| averun2 | 2/11/2021 | 8:26:00 | 13.53 | 4.05 | 8.4 | 0.6 |
| scg3 | 2/11/2021 | 8:47:00 | 13.55 | 4.05 | 8.4 | 0.5 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:47:15 | 13.55 | 4.05 | 8.4 | 0.5 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:47:30 | 13.54 | 4.05 | 8.5 | 0.6 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:47:45 | 12.60 | 3.75 | 8.5 | 0.5 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:48:00 | 8.77 | 6.31 | 5.7 | 0.4 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:48:15 | 9.99 | 10.61 | 0.5 | 0.0 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:48:30 | 10.04 | 11.08 | 0.2 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:48:45 | 10.05 | 11.27 | 0.2 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/11/2021 | 8:49:00 | 10.05 | 11.33 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| o2span1 | 2/11/2021 | 8:49:00 | 10.05 | 11.33 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| co2span1 | 2/11/2021 | 8:49:00 | 10.05 | 11.33 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg5 | 2/11/2021 | 8:49:15 | 10.04 | 11.36 | 0.1 | -0.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:49:30 | 10.04 | 11.40 | 0.1 | -0.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:49:45 | 10.04 | 11.42 | 0.1 | -0.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:50:00 | 9.98 | 11.41 | 0.1 | -0.4 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:50:15 | 3.01 | 4.02 | 1.4 | 0.6 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:50:30 | 0.34 | 0.67 | 5.5 | 4.6 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:50:45 | 0.19 | 0.45 | 7.3 | 7.5 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:51:00 | 0.14 | 0.34 | 8.6 | 9.0 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:51:15 | 0.11 | 0.27 | 8.8 | 9.2 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:51:30 | 0.09 | 0.22 | 8.8 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/11/2021 | 8:51:45 | 0.07 | 0.18 | 8.8 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| noxspan1 | 2/11/2021 | 8:51:30 | 0.09 | 0.22 | 8.8 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| cospan1 | 2/11/2021 | 8:51:30 | 0.09 | 0.22 | 8.8 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg1 | 2/11/2021 | 8:52:00 | 0.06 | 0.15 | 8.8 | 9.3 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:52:15 | 0.05 | 0.12 | 8.9 | 9.3 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:52:30 | 0.05 | 0.10 | 8.9 | 9.4 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:52:45 | 0.06 | 0.10 | 8.9 | 9.3 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:53:00 | 0.03 | 0.07 | 4.9 | 6.6 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:53:15 | 0.03 | 0.05 | 0.3 | 2.9 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:53:30 | 0.03 | 0.04 | 0.2 | 0.6 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:53:45 | 0.03 | 0.03 | 0.1 | 0.2 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:54:00 | 0.03 | 0.02 | 0.1 | 0.1 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/11/2021 | 8:54:15 | 0.03 | 0.01 | 0.1 | 0.1 CC472641/cg1 O2 0 CO2 0 0 0 |
| o2zero1 | 2/11/2021 | 8:54:15 | 0.03 | 0.01 | 0.1 | 0.1 CC472641/cg1 O2 0 CO2 0 0 0 |
| co2zero1 | 2/11/2021 | 8:54:15 | 0.03 | 0.01 | 0.1 | 0.1 CC472641/cg1 O2 0 CO2 0 0 0 |
| noxzero1 | 2/11/2021 | 8:54:15 | 0.03 | 0.01 | 0.1 | 0.1 CC472641/cg1 O2 0 CO2 0 0 0 |
| cozero1 | 2/11/2021 | 8:54:15 | 0.03 | 0.01 | 0.1 | 0.1 CC472641/cg1 O2 0 CO2 0 0 0 |
| run3 | 2/11/2021 | 8:57:00 | 13.48 | 3.96 | 8.4 | 0.5 |
| run3 | 2/11/2021 | 8:57:15 | 13.49 | 3.97 | 8.4 | 0.5 |
| run3 | 2/11/2021 | 8:57:30 | 13.49 | 3.98 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 8:57:45 | 13.50 | 3.99 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 8:58:00 | 13.50 | 4.00 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 8:58:15 | 13.51 | 4.00 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 8:58:30 | 13.52 | 4.01 | 8.6 | 0.5 |
| run3 | 2/11/2021 | 8:58:45 | 13.51 | 4.01 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 8:59:00 | 13.52 | 4.01 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 8:59:15 | 13.53 | 4.02 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 8:59:30 | 13.53 | 4.02 | 8.5 | 0.6 |
| run3 | 2/11/2021 | 8:59:45 | 13.54 | 4.02 | 8.5 | 0.6 |
| run3 | 2/11/2021 | 9:00:00 | 13.54 | 4.02 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:00:15 | 13.54 | 4.03 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:00:30 | 13.54 | 4.03 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:00:45 | 13.54 | 4.03 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:01:00 | 13.53 | 4.03 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:01:15 | 13.52 | 4.04 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:01:30 | 13.53 | 4.04 | 8.4 | 0.5 |
| run3 | 2/11/2021 | 9:01:45 | 13.52 | 4.04 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:02:00 | 13.52 | 4.05 | 8.5 | 0.6 |
| run3 | 2/11/2021 | 9:02:15 | 13.52 | 4.05 | 8.6 | 0.5 |
| run3 | 2/11/2021 | 9:02:30 | 13.52 | 4.05 | 8.6 | 0.6 |
| run3 | 2/11/2021 | 9:02:45 | 13.52 | 4.05 | 8.6 | 0.6 |
| run3 | 2/11/2021 | 9:03:00 | 13.52 | 4.05 | 8.6 | 0.4 |
| run3 | 2/11/2021 | 9:03:15 | 13.52 | 4.05 | 8.6 | 0.5 |
| run3 | 2/11/2021 | 9:03:30 | 13.53 | 4.05 | 8.6 | 0.5 |
| run3 | 2/11/2021 | 9:03:45 | 13.53 | 4.05 | 8.6 | 0.5 |
| run3 | 2/11/2021 | 9:04:00 | 13.53 | 4.04 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:04:15 | 13.53 | 4.05 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:04:30 | 13.53 | 4.05 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:04:45 | 13.53 | 4.05 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:05:00 | 13.53 | 4.05 | 8.5 | 0.5 |
| run3 | 2/11/2021 | 9:05:15 | 13.53 | 4.05 | 8.0 | 0.5 |
| run3 | 2/11/2021 | 9:05:30 | 13.53 | 4.05 | 7.9 | 0.5 |
| run3 | 2/11/2021 | 9:05:45 | 13.53 | 4.05 | 8.1 | 0.5 |
| run3 | 2/11/2021 | 9:06:00 | 13.53 | 4.05 | 8.2 | 0.5 |
| run3 | 2/11/2021 | 9:06:15 | 13.53 | 4.05 | 8.3 | 0.6 |
| run3 | 2/11/2021 | 9:06:30 | 13.53 | 4.05 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:06:45 | 13.53 | 4.05 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:07:00 | 13.53 | 4.05 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:07:15 | 13.53 | 4.05 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:07:30 | 13.53 | 4.04 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:07:45 | 13.52 | 4.03 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:08:00 | 13.53 | 4.05 | 8.5 | 0.6 |
| run3 | 2/11/2021 | 9:08:15 | 13.52 | 4.05 | 8.4 | 0.6 |
| run3 | 2/11/2021 | 9:08:30 | 13.52 | 4.05 | 8.4 | 0.6 |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | |
| run3 | 2/11/2021 | 9:08:45 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:09:00 | 13.53 | 4.05 | 8.4 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:09:15 | 13.53 | 4.05 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:09:30 | 13.53 | 4.05 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:09:45 | 13.52 | 4.05 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:10:00 | 13.53 | 4.04 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:10:15 | 13.52 | 4.05 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:10:30 | 13.53 | 4.05 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:10:45 | 13.53 | 4.05 | 8.2 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:11:00 | 13.53 | 4.05 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:11:15 | 13.53 | 4.05 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:11:30 | 13.54 | 4.04 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:11:45 | 13.54 | 4.04 | 8.2 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:12:00 | 13.54 | 4.04 | 8.3 | 0.7 | | | | | | | |
| run3 | 2/11/2021 | 9:12:15 | 13.54 | 4.04 | 8.8 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:12:30 | 13.54 | 4.04 | 7.8 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:12:45 | 13.54 | 4.04 | 8.0 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:13:00 | 13.54 | 4.04 | 8.2 | 0.7 | | | | | | | |
| run3 | 2/11/2021 | 9:13:15 | 13.54 | 4.04 | 8.2 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:13:30 | 13.54 | 4.04 | 8.2 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:13:45 | 13.53 | 4.04 | 8.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:14:00 | 13.53 | 4.05 | 8.4 | 0.7 | | | | | | | |
| run3 | 2/11/2021 | 9:14:15 | 13.52 | 4.05 | 8.5 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 9:14:30 | 13.52 | 4.05 | 8.5 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:14:45 | 13.53 | 4.05 | 8.5 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:15:00 | 13.52 | 4.05 | 8.5 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:15:15 | 13.52 | 4.05 | 8.6 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:15:30 | 13.52 | 4.05 | 8.6 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:15:45 | 13.51 | 4.06 | 8.7 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:16:00 | 13.51 | 4.06 | 8.8 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:16:15 | 13.51 | 4.06 | 8.8 | 0.4 | | | | | | | |
| run3 | 2/11/2021 | 9:16:30 | 13.51 | 4.06 | 8.8 | 0.4 | | | | | | | |
| run3 | 2/11/2021 | 9:16:45 | 13.51 | 4.05 | 8.8 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:17:00 | 13.51 | 4.05 | 8.8 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:17:15 | 13.52 | 4.05 | 8.7 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:17:30 | 13.53 | 4.05 | 8.6 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 9:17:45 | 13.53 | 4.05 | 8.5 | 0.5 | | | | | | | |
| averun3 | 2/11/2021 | 8:57:00 | 13.52 | 4.04 | 8.4 | 0.5 | 21 | | | | | | |
| scg3 | 2/11/2021 | 9:18:00 | 13.53 | 4.04 | 8.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:18:15 | 13.52 | 4.04 | 8.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:18:30 | 13.51 | 4.05 | 8.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:18:45 | 13.24 | 3.98 | 8.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:19:00 | 8.76 | 5.56 | 7.1 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:19:15 | 9.97 | 10.56 | 0.7 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:19:30 | 10.03 | 11.07 | 0.3 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:19:45 | 10.04 | 11.26 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 9:20:00 | 10.04 | 11.32 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span1 | 2/11/2021 | 9:20:00 | 10.04 | 11.32 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| co2span1 | 2/11/2021 | 9:20:00 | 10.04 | 11.32 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 9:20:15 | 10.03 | 11.36 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:20:30 | 10.04 | 11.39 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:20:45 | 10.03 | 11.42 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:21:00 | 9.95 | 11.39 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:21:15 | 2.81 | 3.80 | 1.6 | 0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:21:30 | 0.34 | 0.66 | 6.0 | 4.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:21:45 | 0.19 | 0.44 | 7.7 | 7.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:22:00 | 0.14 | 0.33 | 8.7 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:22:15 | 0.11 | 0.27 | 8.8 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:22:30 | 0.09 | 0.21 | 8.8 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:22:45 | 0.07 | 0.18 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 9:23:00 | 0.06 | 0.14 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan1 | 2/11/2021 | 9:23:00 | 0.06 | 0.14 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan1 | 2/11/2021 | 9:23:00 | 0.06 | 0.14 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 9:23:15 | 0.05 | 0.12 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:23:30 | 0.05 | 0.09 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:23:45 | 0.04 | 0.08 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:24:00 | 0.03 | 0.06 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:24:15 | 0.19 | 0.21 | 8.8 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:24:30 | 0.05 | 0.07 | 3.6 | 6.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:24:45 | 0.03 | 0.03 | 0.3 | 2.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:25:00 | 0.03 | 0.01 | 0.2 | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:25:15 | 0.03 | 0.01 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:25:30 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 9:25:45 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero1 | 2/11/2021 | 9:25:45 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| co2zero1 | 2/11/2021 | 9:25:45 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero1 | 2/11/2021 | 9:25:45 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero1 | 2/11/2021 | 9:25:45 | 0.03 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run4 | 2/11/2021 | 9:28:00 | 13.42 | 3.96 | 8.5 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:28:15 | 13.43 | 3.98 | 8.5 | 0.4 | | | | | | | |
| run4 | 2/11/2021 | 9:28:30 | 13.44 | 3.98 | 8.6 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:28:45 | 13.46 | 4.00 | 8.6 | 0.6 | | | | | | | |
| run4 | 2/11/2021 | 9:29:00 | 13.46 | 4.00 | 8.6 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:29:15 | 13.47 | 4.00 | 8.5 | 0.6 | | | | | | | |
| run4 | 2/11/2021 | 9:29:30 | 13.47 | 4.01 | 8.5 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:29:45 | 13.47 | 4.02 | 8.6 | 0.6 | | | | | | | |
| run4 | 2/11/2021 | 9:30:00 | 13.47 | 4.02 | 8.6 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:30:15 | 13.48 | 4.02 | 8.5 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:30:30 | 13.49 | 4.03 | 8.6 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:30:45 | 13.50 | 4.02 | 8.5 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:31:00 | 13.51 | 4.02 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:31:15 | 13.51 | 4.02 | 8.3 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:31:30 | 13.51 | 4.03 | 8.3 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:31:45 | 13.50 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:32:00 | 13.50 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:32:15 | 13.51 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:32:30 | 13.52 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:32:45 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:33:00 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:33:15 | 13.52 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:33:30 | 13.54 | 4.03 | 8.4 | 0.6 | | | | | | | |
| run4 | 2/11/2021 | 9:33:45 | 13.53 | 4.02 | 8.5 | 0.6 | | | | | | | |
| run4 | 2/11/2021 | 9:34:00 | 13.53 | 4.03 | 8.5 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:34:15 | 13.54 | 4.03 | 8.5 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:34:30 | 13.53 | 4.03 | 8.6 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:34:45 | 13.54 | 4.03 | 8.6 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:35:00 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:35:15 | 13.53 | 4.04 | 8.7 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:35:30 | 13.52 | 4.04 | 8.7 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:35:45 | 13.52 | 4.04 | 8.7 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:36:00 | 13.51 | 4.05 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:36:15 | 13.52 | 4.04 | 8.1 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:36:30 | 13.52 | 4.05 | 8.2 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:36:45 | 13.51 | 4.05 | 8.4 | 0.5 | | | | | | | |
| run4 | 2/11/2021 | 9:37:00 | 13.51 | 4.05 | 8.5 | 0.5 | | | | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run4 | 2/11/2021 | 9:37:15 | 13.51 | 4.05 | 8.5 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:37:30 | 13.51 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:37:45 | 13.51 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:38:00 | 13.52 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:38:15 | 13.52 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:38:30 | 13.52 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:38:45 | 13.51 | 4.05 | 8.6 | 0.4 | | | | | | | | |
| run4 | 2/11/2021 | 9:39:00 | 13.51 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:39:15 | 13.51 | 4.05 | 8.7 | 0.4 | | | | | | | | |
| run4 | 2/11/2021 | 9:39:30 | 13.52 | 4.05 | 8.7 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:39:45 | 13.52 | 4.05 | 8.7 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:40:00 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:40:15 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:40:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:40:45 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:41:00 | 13.53 | 4.03 | 8.5 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:41:15 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:41:30 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:41:45 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:42:00 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:42:15 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:42:30 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:42:45 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:43:00 | 13.53 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:43:15 | 13.53 | 4.04 | 7.8 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:43:30 | 13.53 | 4.05 | 8.0 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:43:45 | 13.52 | 4.04 | 8.3 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:44:00 | 13.52 | 4.05 | 8.4 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:44:15 | 13.53 | 4.05 | 8.5 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:44:30 | 13.53 | 4.05 | 8.5 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:44:45 | 13.53 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:45:00 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:45:15 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:45:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:45:45 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:46:00 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:46:15 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:46:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:46:45 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:47:00 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:47:15 | 13.54 | 4.04 | 8.6 | 0.6 | | | | | | | | |
| run4 | 2/11/2021 | 9:47:30 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:47:45 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:48:00 | 13.52 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:48:15 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:48:30 | 13.52 | 4.05 | 8.5 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:48:45 | 13.51 | 4.05 | 8.6 | 0.5 | | | | | | | | |
| run4 | 2/11/2021 | 9:49:00 | 13.52 | 4.05 | 8.6 | 0.4 | | | | | | | | |
| averun4 | 2/11/2021 | 9:28:00 | 13.52 | 4.04 | 8.5 | 0.5 | | 21 | | | | | | |
| scg3 | 2/11/2021 | 9:49:15 | 13.52 | 4.05 | 8.5 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 9:49:30 | 13.51 | 4.05 | 8.5 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 9:49:45 | 13.52 | 4.05 | 8.5 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 9:50:00 | 10.28 | 3.07 | 8.5 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 9:50:15 | 9.26 | 8.61 | 3.4 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 9:50:30 | 9.99 | 10.85 | 0.4 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 9:50:45 | 10.03 | 11.18 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 9:51:00 | 10.03 | 11.28 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/11/2021 | 9:51:00 | 10.03 | 11.28 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/11/2021 | 9:51:00 | 10.03 | 11.28 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:51:15 | 10.03 | 11.33 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:51:30 | 10.03 | 11.37 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:51:45 | 10.02 | 11.40 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:52:00 | 9.86 | 11.31 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:52:15 | 2.45 | 3.34 | 1.7 | 0.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:52:30 | 0.32 | 0.63 | 6.2 | 4.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:52:45 | 0.19 | 0.43 | 7.8 | 7.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:53:00 | 0.14 | 0.33 | 8.7 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:53:15 | 0.10 | 0.26 | 8.8 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 9:53:30 | 0.08 | 0.21 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/11/2021 | 9:53:30 | 0.08 | 0.21 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/11/2021 | 9:53:30 | 0.08 | 0.21 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:53:45 | 0.06 | 0.16 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:54:00 | 0.06 | 0.13 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:54:15 | 0.05 | 0.11 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:54:30 | 0.07 | 0.10 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:54:45 | 0.19 | 0.24 | 7.2 | 8.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:55:00 | 0.04 | 0.07 | 1.4 | 4.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:55:15 | 0.03 | 0.05 | 0.2 | 1.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:55:30 | 0.03 | 0.03 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:55:45 | 0.03 | 0.02 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:56:00 | 0.03 | 0.01 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 9:56:15 | 0.02 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/11/2021 | 9:56:15 | 0.02 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/11/2021 | 9:56:15 | 0.02 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/11/2021 | 9:56:15 | 0.02 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/11/2021 | 9:56:15 | 0.02 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run5 | 2/11/2021 | 10:00:00 | 13.48 | 3.99 | 8.2 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:00:15 | 13.48 | 4.00 | 8.3 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:00:30 | 13.49 | 4.00 | 8.3 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:00:45 | 13.50 | 4.00 | 8.4 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:01:00 | 13.50 | 4.01 | 8.4 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:01:15 | 13.49 | 4.02 | 8.4 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:01:30 | 13.49 | 4.02 | 8.5 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:01:45 | 13.50 | 4.02 | 8.5 | 0.4 | | | | | | | | |
| run5 | 2/11/2021 | 10:02:00 | 13.50 | 4.03 | 8.5 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:02:15 | 13.49 | 4.03 | 8.5 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:02:30 | 13.49 | 4.03 | 8.5 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:02:45 | 13.49 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:03:00 | 13.50 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:03:15 | 13.51 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:03:30 | 13.50 | 4.03 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:03:45 | 13.50 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:04:00 | 13.50 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:04:15 | 13.51 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:04:30 | 13.52 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:04:45 | 13.53 | 4.03 | 8.5 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:05:00 | 13.53 | 4.03 | 8.5 | 0.4 | | | | | | | | |
| run5 | 2/11/2021 | 10:05:15 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:05:30 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:05:45 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:06:00 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:06:15 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:06:30 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:06:45 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | | |
| run5 | 2/11/2021 | 10:07:00 | 13.53 | 4.04 | 8.3 | 0.5 | | | | | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | |
| run5 | 2/11/2021 | 10:07:15 | 13.52 | 4.04 | 8.4 | 0.4 | | | | | | | |
| run5 | 2/11/2021 | 10:07:30 | 13.52 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:07:45 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:08:00 | 13.54 | 4.03 | 7.9 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:08:15 | 13.55 | 4.02 | 7.9 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:08:30 | 13.54 | 4.03 | 8.1 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:08:45 | 13.54 | 4.04 | 8.1 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:09:00 | 13.54 | 4.03 | 8.2 | 0.4 | | | | | | | |
| run5 | 2/11/2021 | 10:09:15 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:09:30 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:09:45 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:10:00 | 13.55 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:10:15 | 13.55 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:10:30 | 13.55 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:10:45 | 13.55 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:11:00 | 13.55 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:11:15 | 13.55 | 4.03 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:11:30 | 13.55 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:11:45 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:12:00 | 13.55 | 4.03 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:12:15 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:12:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:12:45 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:13:00 | 13.55 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:13:15 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:13:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:13:45 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:14:00 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:14:15 | 13.54 | 4.03 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:14:30 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:14:45 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:15:00 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:15:15 | 13.53 | 4.04 | 8.7 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:15:30 | 13.54 | 4.04 | 8.1 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:15:45 | 13.54 | 4.04 | 8.3 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:16:00 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:16:15 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:16:30 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:16:45 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:17:00 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:17:15 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:17:30 | 13.54 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:17:45 | 13.54 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:18:00 | 13.54 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:18:15 | 13.54 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:18:30 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:18:45 | 13.54 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:19:00 | 13.54 | 4.04 | 8.2 | 0.4 | | | | | | | |
| run5 | 2/11/2021 | 10:19:15 | 13.54 | 4.04 | 8.3 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:19:30 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:19:45 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:20:00 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:20:15 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:20:30 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run5 | 2/11/2021 | 10:20:45 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| averun5 | 2/11/2021 | 10:00:00 | 13.53 | 4.03 | 8.4 | 0.5 | 21 | | | | | | |
| scg3 | 2/11/2021 | 10:21:00 | 13.54 | 4.04 | 8.6 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:21:15 | 13.54 | 4.04 | 8.7 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:21:30 | 13.54 | 4.04 | 8.8 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:21:45 | 12.28 | 3.64 | 8.8 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:22:00 | 8.60 | 6.60 | 5.7 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:22:15 | 9.97 | 10.74 | 0.5 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:22:30 | 10.03 | 11.13 | 0.2 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:22:45 | 10.03 | 11.27 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span1 | 2/11/2021 | 10:22:45 | 10.03 | 11.27 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| co2span1 | 2/11/2021 | 10:22:45 | 10.03 | 11.27 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 10:23:00 | 10.04 | 11.33 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:23:15 | 10.03 | 11.36 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:23:30 | 10.03 | 11.39 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:23:45 | 10.03 | 11.42 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:24:00 | 5.23 | 6.52 | 0.1 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:24:15 | 0.44 | 0.80 | 5.7 | 3.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:24:30 | 0.22 | 0.48 | 7.3 | 7.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:24:45 | 0.15 | 0.36 | 8.7 | 8.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:25:00 | 0.11 | 0.28 | 8.8 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:25:15 | 0.09 | 0.22 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:25:30 | 0.07 | 0.18 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan1 | 2/11/2021 | 10:25:30 | 0.07 | 0.18 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan1 | 2/11/2021 | 10:25:30 | 0.07 | 0.18 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 10:25:45 | 0.06 | 0.15 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:26:00 | 0.05 | 0.12 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:26:15 | 0.04 | 0.09 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:26:30 | 0.09 | 0.12 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:26:45 | 0.16 | 0.21 | 6.7 | 8.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:27:00 | 0.04 | 0.06 | 1.2 | 4.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:27:15 | 0.03 | 0.03 | 0.2 | 1.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:27:30 | 0.03 | 0.02 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:27:45 | 0.03 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero1 | 2/11/2021 | 10:27:45 | 0.03 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| co2zero1 | 2/11/2021 | 10:27:45 | 0.03 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero1 | 2/11/2021 | 10:27:45 | 0.03 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero1 | 2/11/2021 | 10:27:45 | 0.03 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run6 | 2/11/2021 | 10:30:00 | 13.45 | 3.93 | 8.3 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:30:15 | 13.46 | 3.95 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:30:30 | 13.47 | 3.96 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:30:45 | 13.48 | 3.97 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:31:00 | 13.49 | 3.98 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:31:15 | 13.49 | 3.98 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:31:30 | 13.50 | 4.00 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:31:45 | 13.51 | 4.00 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:32:00 | 13.51 | 4.01 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:32:15 | 13.51 | 4.01 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:32:30 | 13.51 | 4.01 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:32:45 | 13.52 | 4.01 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:33:00 | 13.52 | 4.02 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:33:15 | 13.52 | 4.02 | 8.5 | 0.6 | | | | | | | |
| run6 | 2/11/2021 | 10:33:30 | 13.52 | 4.02 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:33:45 | 13.53 | 4.02 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:34:00 | 13.53 | 4.02 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:34:15 | 13.53 | 4.02 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:34:30 | 13.53 | 4.02 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:34:45 | 13.53 | 4.03 | 8.7 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:35:00 | 13.53 | 4.03 | 8.7 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:35:15 | 13.53 | 4.03 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:35:30 | 13.53 | 4.02 | 8.5 | 0.5 | | | | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | |
| run6 | 2/11/2021 | 10:35:45 | 13.53 | 4.03 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:36:00 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:36:15 | 13.53 | 4.03 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:36:30 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:36:45 | 13.53 | 4.03 | 8.5 | 0.4 | | | | | | | |
| run6 | 2/11/2021 | 10:37:00 | 13.53 | 4.04 | 8.5 | 0.4 | | | | | | | |
| run6 | 2/11/2021 | 10:37:15 | 13.53 | 4.03 | 8.5 | 0.4 | | | | | | | |
| run6 | 2/11/2021 | 10:37:30 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:37:45 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:38:00 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:38:15 | 13.52 | 4.04 | 8.4 | 0.4 | | | | | | | |
| run6 | 2/11/2021 | 10:38:30 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:38:45 | 13.53 | 4.03 | 8.0 | 0.4 | | | | | | | |
| run6 | 2/11/2021 | 10:39:00 | 13.51 | 4.05 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:39:15 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:39:30 | 13.51 | 4.05 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:39:45 | 13.51 | 4.05 | 8.8 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:40:00 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:40:15 | 13.51 | 4.05 | 8.3 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:40:30 | 13.52 | 4.04 | 8.6 | 0.4 | | | | | | | |
| run6 | 2/11/2021 | 10:40:45 | 13.53 | 4.04 | 8.3 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:41:00 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:41:15 | 13.52 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:41:30 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:41:45 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:42:00 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:42:15 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:42:30 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:42:45 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:43:00 | 13.54 | 4.04 | 8.2 | 0.4 | | | | | | | |
| run6 | 2/11/2021 | 10:43:15 | 13.53 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:43:30 | 13.53 | 4.04 | 8.3 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:43:45 | 13.54 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:44:00 | 13.53 | 4.05 | 8.3 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:44:15 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:44:30 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:44:45 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:45:00 | 13.54 | 4.04 | 8.3 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:45:15 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:45:30 | 13.54 | 4.04 | 8.3 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:45:45 | 13.54 | 4.04 | 7.7 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:46:00 | 13.54 | 4.04 | 7.9 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:46:15 | 13.53 | 4.04 | 8.1 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:46:30 | 13.54 | 4.04 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:46:45 | 13.55 | 4.03 | 8.2 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:47:00 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:47:15 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:47:30 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:47:45 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:48:00 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:48:15 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:48:30 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:48:45 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:49:00 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:49:15 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:49:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:49:45 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:50:00 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:50:15 | 13.54 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:50:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | |
| run6 | 2/11/2021 | 10:50:45 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | |
| averun6 | 2/11/2021 | 10:30:00 | 13.53 | 4.03 | 8.4 | 0.5 | 21 | | | | | | |
| scg3 | 2/11/2021 | 10:51:00 | 13.53 | 4.03 | 8.5 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:51:15 | 13.53 | 4.04 | 8.4 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:51:30 | 13.53 | 4.04 | 8.4 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:51:45 | 11.45 | 3.36 | 8.5 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:52:00 | 8.65 | 7.21 | 4.5 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:52:15 | 9.96 | 10.79 | 0.4 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:52:30 | 10.02 | 11.15 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 10:52:45 | 10.03 | 11.28 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span1 | 2/11/2021 | 10:52:45 | 10.03 | 11.28 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| co2span1 | 2/11/2021 | 10:52:45 | 10.03 | 11.28 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 10:53:00 | 10.03 | 11.33 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:53:15 | 10.03 | 11.36 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:53:30 | 10.03 | 11.40 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:53:45 | 10.02 | 11.42 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:54:00 | 5.16 | 6.43 | 0.4 | 0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:54:15 | 0.42 | 0.79 | 5.8 | 3.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:54:30 | 0.20 | 0.47 | 7.4 | 7.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:54:45 | 0.13 | 0.35 | 8.7 | 8.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:55:00 | 0.10 | 0.28 | 8.8 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 10:55:15 | 0.08 | 0.22 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan1 | 2/11/2021 | 10:55:15 | 0.08 | 0.22 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan1 | 2/11/2021 | 10:55:15 | 0.08 | 0.22 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 10:55:30 | 0.06 | 0.18 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:55:45 | 0.05 | 0.15 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:56:00 | 0.04 | 0.12 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:56:15 | 0.12 | 0.17 | 8.9 | 9.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:56:30 | 0.13 | 0.20 | 6.7 | 7.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:56:45 | 0.03 | 0.07 | 0.4 | 3.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:57:00 | 0.03 | 0.05 | 0.2 | 0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:57:15 | 0.03 | 0.04 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 10:57:30 | 0.03 | 0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero1 | 2/11/2021 | 10:57:30 | 0.03 | 0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| co2zero1 | 2/11/2021 | 10:57:30 | 0.03 | 0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero1 | 2/11/2021 | 10:57:30 | 0.03 | 0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero1 | 2/11/2021 | 10:57:30 | 0.03 | 0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run7 | 2/11/2021 | 11:00:00 | 13.47 | 3.96 | 8.3 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:00:15 | 13.48 | 3.97 | 8.2 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:00:30 | 13.49 | 3.98 | 8.2 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:00:45 | 13.50 | 3.99 | 8.4 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:01:00 | 13.48 | 4.00 | 8.5 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:01:15 | 13.49 | 4.00 | 8.8 | 0.4 | | | | | | | |
| run7 | 2/11/2021 | 11:01:30 | 13.48 | 4.02 | 8.6 | 0.4 | | | | | | | |
| run7 | 2/11/2021 | 11:01:45 | 13.50 | 4.01 | 8.8 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:02:00 | 13.51 | 4.01 | 8.5 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:02:15 | 13.50 | 4.02 | 8.4 | 0.4 | | | | | | | |
| run7 | 2/11/2021 | 11:02:30 | 13.51 | 4.02 | 8.4 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:02:45 | 13.51 | 4.02 | 8.5 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:03:00 | 13.51 | 4.03 | 8.5 | 0.4 | | | | | | | |
| run7 | 2/11/2021 | 11:03:15 | 13.51 | 4.03 | 8.6 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:03:30 | 13.51 | 4.03 | 8.7 | 0.4 | | | | | | | |
| run7 | 2/11/2021 | 11:03:45 | 13.51 | 4.03 | 8.7 | 0.4 | | | | | | | |
| run7 | 2/11/2021 | 11:04:00 | 13.51 | 4.03 | 8.7 | 0.5 | | | | | | | |
| run7 | 2/11/2021 | 11:04:15 | 13.51 | 4.03 | 8.7 | 0.5 | | | | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run7 | 2/11/2021 | 11:04:30 | 13.51 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:04:45 | 13.52 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:05:00 | 13.52 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:05:15 | 13.51 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:05:30 | 13.51 | 4.04 | 8.7 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:05:45 | 13.51 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:06:00 | 13.51 | 4.04 | 8.7 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:06:15 | 13.51 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:06:30 | 13.50 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:06:45 | 13.52 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:07:00 | 13.52 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:07:15 | 13.52 | 4.04 | 8.8 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:07:30 | 13.52 | 4.04 | 8.8 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:07:45 | 13.52 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:08:00 | 13.52 | 4.04 | 8.0 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:08:15 | 13.53 | 4.04 | 8.0 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:08:30 | 13.53 | 4.03 | 8.2 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:08:45 | 13.53 | 4.04 | 8.2 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:09:00 | 13.53 | 4.04 | 8.3 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:09:15 | 13.53 | 4.04 | 8.4 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:09:30 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:09:45 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:10:00 | 13.53 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:10:15 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:10:30 | 13.53 | 4.04 | 8.3 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:10:45 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:11:00 | 13.53 | 4.03 | 8.2 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:11:15 | 13.54 | 4.03 | 8.2 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:11:30 | 13.53 | 4.04 | 8.3 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:11:45 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:12:00 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:12:15 | 13.53 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:12:30 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:12:45 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:13:00 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:13:15 | 13.53 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:13:30 | 13.54 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:13:45 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:14:00 | 13.52 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:14:15 | 13.52 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:14:30 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:14:45 | 13.53 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:15:00 | 13.53 | 4.04 | 8.3 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:15:15 | 13.52 | 4.04 | 8.0 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:15:30 | 13.51 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:15:45 | 13.53 | 4.04 | 8.3 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:16:00 | 13.52 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:16:15 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:16:30 | 13.52 | 4.04 | 8.4 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:16:45 | 13.51 | 4.05 | 8.6 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:17:00 | 13.52 | 4.04 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:17:15 | 13.52 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:17:30 | 13.51 | 4.04 | 8.8 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:17:45 | 13.52 | 4.04 | 8.6 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:18:00 | 13.52 | 4.05 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:18:15 | 13.52 | 4.05 | 8.7 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:18:30 | 13.52 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:18:45 | 13.52 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:19:00 | 13.52 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:19:15 | 13.53 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:19:30 | 13.53 | 4.04 | 8.5 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:19:45 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:20:00 | 13.52 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:20:15 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:20:30 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| run7 | 2/11/2021 | 11:20:45 | 13.53 | 4.04 | 8.4 | 0.4 | | | | | | | | |
| run7 | 2/11/2021 | 11:21:00 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | |
| averun7 | 2/11/2021 | 11:00:00 | 13.52 | 4.03 | 8.5 | 0.5 | 21 | | | | | | | |
| scg3 | 2/11/2021 | 11:21:15 | 13.53 | 4.04 | 8.5 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 11:21:30 | 13.53 | 4.04 | 8.4 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 11:21:45 | 13.54 | 4.04 | 8.4 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 11:22:00 | 11.62 | 3.47 | 8.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 11:22:15 | 9.09 | 8.01 | 4.7 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 11:22:30 | 9.98 | 10.85 | 0.5 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 11:22:45 | 10.02 | 11.17 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 11:23:00 | 10.03 | 11.28 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/11/2021 | 11:23:00 | 10.03 | 11.28 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/11/2021 | 11:23:00 | 10.03 | 11.28 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:23:15 | 10.02 | 11.34 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:23:30 | 10.02 | 11.38 | 0.2 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:23:45 | 10.02 | 11.40 | 0.2 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:24:00 | 9.81 | 11.29 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:24:15 | 2.30 | 3.19 | 1.8 | 0.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:24:30 | 0.31 | 0.63 | 6.4 | 5.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:24:45 | 0.18 | 0.43 | 8.0 | 7.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:25:00 | 0.12 | 0.33 | 8.8 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:25:15 | 0.08 | 0.26 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/11/2021 | 11:25:30 | 0.07 | 0.21 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/11/2021 | 11:25:30 | 0.07 | 0.21 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/11/2021 | 11:25:30 | 0.07 | 0.21 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:25:45 | 0.06 | 0.17 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:26:00 | 0.04 | 0.14 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:26:15 | 0.04 | 0.12 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:26:30 | 0.07 | 0.11 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:26:45 | 0.19 | 0.26 | 7.1 | 8.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:27:00 | 0.04 | 0.07 | 1.3 | 4.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:27:15 | 0.03 | 0.05 | 0.2 | 1.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:27:30 | 0.03 | 0.04 | 0.1 | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:27:45 | 0.03 | 0.03 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 11:28:00 | 0.02 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/11/2021 | 11:28:00 | 0.02 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/11/2021 | 11:28:00 | 0.02 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/11/2021 | 11:28:00 | 0.02 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/11/2021 | 11:28:00 | 0.02 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run8 | 2/11/2021 | 11:30:00 | 13.42 | 3.94 | 8.4 | 0.4 | | | | | | | | |
| run8 | 2/11/2021 | 11:30:15 | 13.45 | 3.96 | 8.4 | 0.5 | | | | | | | | |
| run8 | 2/11/2021 | 11:30:30 | 13.46 | 3.96 | 8.3 | 0.5 | | | | | | | | |
| run8 | 2/11/2021 | 11:30:45 | 13.46 | 3.98 | 8.3 | 0.5 | | | | | | | | |
| run8 | 2/11/2021 | 11:31:00 | 13.46 | 3.99 | 8.3 | 0.4 | | | | | | | | |
| run8 | 2/11/2021 | 11:31:15 | 13.46 | 4.00 | 8.7 | 0.4 | | | | | | | | |
| run8 | 2/11/2021 | 11:31:30 | 13.49 | 3.99 | 8.5 | 0.4 | | | | | | | | |
| run8 | 2/11/2021 | 11:31:45 | 13.50 | 4.00 | 8.3 | 0.4 | | | | | | | | |
| run8 | 2/11/2021 | 11:32:00 | 13.50 | 4.00 | 8.3 | 0.4 | | | | | | | | |
| run8 | 2/11/2021 | 11:32:15 | 13.50 | 4.01 | 8.5 | 0.4 | | | | | | | | |
| run8 | 2/11/2021 | 11:32:30 | 13.51 | 4.01 | 8.4 | 0.4 | | | | | | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:32:45 | 13.50 | 4.02 | 8.2 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:33:00 | 13.50 | 4.02 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:33:15 | 13.49 | 4.01 | 8.5 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:33:30 | 13.50 | 4.03 | 8.7 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:33:45 | 13.50 | 4.02 | 8.6 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:34:00 | 13.52 | 4.02 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:34:15 | 13.52 | 4.02 | 8.3 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:34:30 | 13.53 | 4.02 | 8.3 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:34:45 | 13.52 | 4.02 | 8.3 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:35:00 | 13.52 | 4.03 | 8.3 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:35:15 | 13.51 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:35:30 | 13.52 | 4.03 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:35:45 | 13.52 | 4.02 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:36:00 | 13.52 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:36:15 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:36:30 | 13.52 | 4.03 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:36:45 | 13.53 | 4.03 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:37:00 | 13.52 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:37:15 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:37:30 | 13.53 | 4.03 | 8.3 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:37:45 | 13.53 | 4.03 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:38:00 | 13.53 | 4.03 | 8.3 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:38:15 | 13.52 | 4.03 | 7.9 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:38:30 | 13.54 | 4.03 | 7.9 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:38:45 | 13.53 | 4.03 | 8.1 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:39:00 | 13.53 | 4.03 | 8.2 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:39:15 | 13.53 | 4.03 | 8.2 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:39:30 | 13.52 | 4.03 | 8.3 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:39:45 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:40:00 | 13.52 | 4.04 | 8.3 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:40:15 | 13.54 | 4.03 | 8.5 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:40:30 | 13.53 | 4.04 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:40:45 | 13.53 | 4.02 | 8.6 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:41:00 | 13.53 | 4.03 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:41:15 | 13.51 | 4.04 | 8.6 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:41:30 | 13.53 | 4.04 | 8.9 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:41:45 | 13.52 | 4.04 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:42:00 | 13.53 | 4.04 | 8.7 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:42:15 | 13.52 | 4.04 | 8.5 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:42:30 | 13.53 | 4.03 | 8.7 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:42:45 | 13.54 | 4.03 | 8.3 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:43:00 | 13.53 | 4.03 | 8.3 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:43:15 | 13.52 | 4.03 | 8.5 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:43:30 | 13.51 | 4.04 | 8.7 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:43:45 | 13.52 | 4.04 | 8.6 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:44:00 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:44:15 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:44:30 | 13.53 | 4.04 | 8.5 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:44:45 | 13.53 | 4.03 | 8.5 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:45:00 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:45:15 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:45:30 | 13.54 | 4.02 | 7.8 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:45:45 | 13.54 | 4.03 | 8.0 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:46:00 | 13.53 | 4.03 | 8.0 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:46:15 | 13.53 | 4.04 | 8.1 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:46:30 | 13.53 | 4.03 | 8.2 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:46:45 | 13.54 | 4.03 | 8.2 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:47:00 | 13.55 | 4.02 | 8.1 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:47:15 | 13.56 | 4.02 | 8.0 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:47:30 | 13.55 | 4.02 | 8.1 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:47:45 | 13.54 | 4.03 | 8.2 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:48:00 | 13.53 | 4.03 | 8.2 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:48:15 | 13.54 | 4.03 | 8.2 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:48:30 | 13.54 | 4.03 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:48:45 | 13.55 | 4.03 | 8.5 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:49:00 | 13.55 | 4.02 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:49:15 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:49:30 | 13.55 | 4.03 | 8.4 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:49:45 | 13.54 | 4.02 | 8.5 | 0.4 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:50:00 | 13.55 | 4.02 | 8.4 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:50:15 | 13.54 | 4.02 | 8.3 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:50:30 | 13.54 | 4.02 | 8.2 | 0.5 | | | | | | | | | | |
| run8 | 2/11/2021 | 11:50:45 | 13.54 | 4.03 | 8.4 | 0.5 | | | | | | | | | | |
| averun8 | 2/11/2021 | 11:30:00 | 13.52 | 4.02 | 8.4 | 0.5 | | 21 | | | | | | | | |
| scg5 | 2/11/2021 | 11:51:00 | 13.54 | 4.03 | 8.5 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:51:15 | 13.54 | 4.03 | 8.6 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:51:30 | 13.55 | 4.05 | 8.5 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:51:45 | 9.23 | 2.81 | 8.9 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:52:00 | 2.90 | 0.38 | 7.7 | 2.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:52:15 | 2.71 | 0.16 | 9.7 | 6.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:52:30 | 2.09 | 0.10 | 7.8 | 7.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:52:45 | 0.16 | 0.07 | 8.9 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:53:00 | 0.08 | 0.05 | 9.1 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:53:15 | 7.03 | 0.06 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:53:30 | 18.84 | 0.10 | 4.5 | 8.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:53:45 | 19.32 | 0.09 | 0.5 | 6.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:54:00 | 11.60 | 0.07 | 0.5 | 5.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:54:15 | 0.48 | 0.04 | 6.5 | 5.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:54:30 | 3.79 | 0.04 | 8.9 | 8.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:54:45 | 18.30 | 0.07 | 6.3 | 8.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:55:00 | 19.29 | 0.07 | 0.7 | 6.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:55:15 | 8.47 | 0.03 | 1.5 | 5.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:55:30 | 0.26 | 0.00 | 7.1 | 6.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:55:45 | 0.08 | -0.02 | 9.0 | 8.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:56:00 | 11.88 | 0.02 | 9.0 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:56:15 | 19.28 | 0.06 | 2.3 | 7.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:56:30 | 13.55 | 0.03 | 0.4 | 5.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:56:45 | 0.51 | -0.02 | 5.6 | 6.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:57:00 | 0.10 | -0.03 | 8.9 | 8.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:57:15 | 0.04 | -0.04 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:57:30 | 0.04 | -0.05 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:57:45 | 13.09 | 0.01 | 8.3 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 11:58:00 | 19.60 | 0.05 | 2.5 | 7.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| noxspan1 | 2/11/2021 | 11:57:30 | 0.04 | -0.05 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| cospan1 | 2/11/2021 | 11:57:30 | 0.04 | -0.05 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:01:00 | 10.13 | -0.02 | 8.7 | 7.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:01:15 | 19.68 | -0.01 | 2.2 | 5.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:01:30 | 20.23 | -0.02 | 0.2 | 1.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:01:45 | 10.38 | 1.17 | 1.2 | 1.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:02:00 | 9.41 | 9.51 | 3.1 | 1.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:02:15 | 9.93 | 10.77 | 0.2 | 1.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:02:30 | 9.97 | 11.07 | 0.2 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 12:02:45 | 9.97 | 11.17 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| o2span1 | 2/11/2021 | 12:02:45 | 9.97 | 11.17 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| co2span1 | 2/11/2021 | 12:02:45 | 9.97 | 11.17 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| scg1 | 2/11/2021 | 12:03:00 | 9.97 | 11.23 | 0.2 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:03:15 | 9.98 | 11.27 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:03:30 | 9.98 | 11.32 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:03:45 | 9.98 | 11.34 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:04:00 | 4.03 | 5.13 | 0.2 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:04:15 | 0.32 | 0.63 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:04:30 | 0.14 | 0.37 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:04:45 | 0.08 | 0.26 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:05:00 | 0.07 | 0.21 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:05:15 | 0.05 | 0.16 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:05:30 | 0.05 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:05:45 | 0.04 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 12:06:00 | 0.04 | 0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero1 | 2/11/2021 | 12:06:00 | 0.04 | 0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2zero1 | 2/11/2021 | 12:06:00 | 0.04 | 0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero1 | 2/11/2021 | 12:06:00 | 0.04 | 0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero1 | 2/11/2021 | 12:06:00 | 0.04 | 0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run9 | 2/11/2021 | 12:09:00 | 13.48 | 3.97 | 8.1 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:09:15 | 13.47 | 3.99 | 8.1 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:09:30 | 13.48 | 3.99 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:09:45 | 13.49 | 3.98 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:10:00 | 13.50 | 4.00 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:10:15 | 13.50 | 4.00 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:10:30 | 13.49 | 4.01 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:10:45 | 13.49 | 4.01 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:11:00 | 13.50 | 4.01 | 8.5 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:11:15 | 13.52 | 4.01 | 8.5 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:11:30 | 13.52 | 4.01 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:11:45 | 13.53 | 4.01 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:12:00 | 13.53 | 4.01 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:12:15 | 13.52 | 4.02 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:12:30 | 13.53 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:12:45 | 13.53 | 4.02 | 8.5 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:13:00 | 13.53 | 4.02 | 8.5 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:13:15 | 13.53 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:13:30 | 13.53 | 4.01 | 8.3 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:13:45 | 13.53 | 4.02 | 8.2 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:14:00 | 13.52 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:14:15 | 13.52 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:14:30 | 13.54 | 4.01 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:14:45 | 13.55 | 4.01 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:15:00 | 13.54 | 4.01 | 8.3 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:15:15 | 13.53 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:15:30 | 13.53 | 4.02 | 8.5 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:15:45 | 13.53 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:16:00 | 13.52 | 4.03 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:16:15 | 13.54 | 4.02 | 8.6 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:16:30 | 13.53 | 4.02 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:16:45 | 13.53 | 4.02 | 8.5 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:17:00 | 13.54 | 4.02 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:17:15 | 13.54 | 4.02 | 7.7 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:17:30 | 13.53 | 4.01 | 7.9 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:17:45 | 13.52 | 4.03 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:18:00 | 13.52 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:18:15 | 13.53 | 4.03 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:18:30 | 13.53 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:18:45 | 13.53 | 4.02 | 8.3 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:19:00 | 13.53 | 4.02 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:19:15 | 13.54 | 4.01 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:19:30 | 13.53 | 4.03 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:19:45 | 13.53 | 4.02 | 8.7 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:20:00 | 13.53 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:20:15 | 13.50 | 4.04 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:20:30 | 13.52 | 4.03 | 8.8 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:20:45 | 13.53 | 4.02 | 8.6 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:21:00 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:21:15 | 13.55 | 4.01 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:21:30 | 13.53 | 4.03 | 8.1 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:21:45 | 13.52 | 4.03 | 8.6 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:22:00 | 13.53 | 4.02 | 8.6 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:22:15 | 13.53 | 4.03 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:22:30 | 13.52 | 4.03 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:22:45 | 13.52 | 4.03 | 8.7 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:23:00 | 13.52 | 4.03 | 8.6 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:23:15 | 13.53 | 4.03 | 8.6 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:23:30 | 13.53 | 4.03 | 8.5 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:23:45 | 13.53 | 4.03 | 8.5 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:24:00 | 13.53 | 4.02 | 8.1 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:24:15 | 13.53 | 4.02 | 8.0 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:24:30 | 13.53 | 4.02 | 8.1 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:24:45 | 13.52 | 4.03 | 8.2 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:25:00 | 13.53 | 4.02 | 8.2 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:25:15 | 13.54 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:25:30 | 13.54 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:25:45 | 13.53 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:26:00 | 13.53 | 4.03 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:26:15 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:26:30 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:26:45 | 13.54 | 4.02 | 8.3 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:27:00 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:27:15 | 13.54 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:27:30 | 13.54 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:27:45 | 13.54 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:28:00 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:28:15 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:28:30 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:28:45 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:29:00 | 13.54 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:29:15 | 13.54 | 4.02 | 8.4 | 0.4 | | | | | | | | | |
| run9 | 2/11/2021 | 12:29:30 | 13.54 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| run9 | 2/11/2021 | 12:29:45 | 13.54 | 4.02 | 8.4 | 0.5 | | | | | | | | | |
| averun9 | 2/11/2021 | 12:09:00 | 13.53 | 4.02 | 8.3 | 0.4 | | 21 | | | | | | | |
| scg5 | 2/11/2021 | 12:30:00 | 13.54 | 4.02 | 8.3 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:30:15 | 13.53 | 4.02 | 8.3 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:30:30 | 13.53 | 4.03 | 8.5 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:30:45 | 13.51 | 4.01 | 8.6 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:31:00 | 5.93 | 1.81 | 8.2 | 0.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:31:15 | 0.49 | 0.26 | 5.7 | 3.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:31:30 | 0.21 | 0.15 | 7.4 | 7.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:31:45 | 0.13 | 0.11 | 8.8 | 8.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:32:00 | 0.10 | 0.08 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 12:32:15 | 0.08 | 0.06 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/11/2021 | 12:32:15 | 0.08 | 0.06 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/11/2021 | 12:32:15 | 0.08 | 0.06 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/11/2021 | 12:32:30 | 0.07 | 0.04 | 9.0 | 9.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |

| name | | | O2 4B H | CO2 4B H | NOx 4B H | CO 4B H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg3 | 2/11/2021 | 12:32:45 | 0.06 | 0.02 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:33:00 | 0.04 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:33:15 | 0.52 | 0.30 | 9.0 | 9.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:33:30 | 7.95 | 8.34 | 7.2 | 7.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:33:45 | 9.78 | 10.70 | 0.5 | 3.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:34:00 | 9.90 | 11.06 | 0.3 | 0.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:34:15 | 9.94 | 11.17 | 0.2 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:34:30 | 9.95 | 11.24 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:34:45 | 9.95 | 11.28 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/11/2021 | 12:35:00 | 9.96 | 11.33 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/11/2021 | 12:35:00 | 9.96 | 11.33 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/11/2021 | 12:35:00 | 9.96 | 11.33 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:35:15 | 9.96 | 11.36 | 0.2 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:35:30 | 9.97 | 11.38 | 0.2 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:35:45 | 9.97 | 11.40 | 0.2 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:36:00 | 9.98 | 11.42 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:36:15 | 4.76 | 6.04 | 0.2 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:36:30 | 0.38 | 0.78 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:36:45 | 0.18 | 0.47 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:37:00 | 0.11 | 0.35 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:37:15 | 0.09 | 0.28 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:37:30 | 0.06 | 0.22 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:37:45 | 0.04 | 0.18 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:38:00 | 0.04 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/11/2021 | 12:38:15 | 0.04 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/11/2021 | 12:38:15 | 0.04 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/11/2021 | 12:38:15 | 0.04 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/11/2021 | 12:38:15 | 0.04 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/11/2021 | 12:38:15 | 0.04 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| so2zero | | | | | | | | | | | | | | |
| so2span | | | | | | | | | | | | | | |
| noxzero | | | | | | | | | | | | | | |
| noxspan | | | | | | | | | | | | | | |
| co2zero | | | | | | | | | | | | | | |
| co2span | | | | | | | | | | | | | | |
| o2zero | | | | | | | | | | | | | | |
| o2span | | | | | | | | | | | | | | |
| thczero | | | | | | | | | | | | | | |
| thcspan | | | | | | | | | | | | | | |
| cozero | | | | | | | | | | | | | | |
| cospan | | | | | | | | | | | | | | |

| | |
|---|---|
| so2ezero | Parameter Not Found |
| so2mid | Parameter Not Found |
| so2high | Parameter Not Found |
| noxezero | Parameter Not Found |
| noxlow | Parameter Not Found |
| noxmid | Parameter Not Found |
| noxhigh | Parameter Not Found |
| co2ezero | Parameter Not Found |
| co2mid | Parameter Not Found |
| co2high | Parameter Not Found |
| o2ezero | Parameter Not Found |
| o2mid | Parameter Not Found |
| o2high | Parameter Not Found |
| thcezero | Parameter Not Found |
| thclow | Parameter Not Found |
| thcmid | Parameter Not Found |
| thchigh | Parameter Not Found |
| coezero | Parameter Not Found |
| colow | Parameter Not Found |
| comid | Parameter Not Found |
| cohigh | Parameter Not Found |

End

# Unit 4B Bypass

$NO_X$, CO, and $O_2$ Calculations of Average Emissions, Raw Data

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.13 % | 0.11 % | 0.12 |
| 10.26 percent $O_2$ | 10.12 % | 10.03 % | 10.07 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.99 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.02 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.31 |

| Mean Reference Values: | Corrected Results: | Basis: |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 10.1 ppm $NO_X$ | **10.5** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.2** ppm CO | DRY |

**Emission Calculations:**

**0.033** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.9** NOxppm @ 15% O2 from O2
**0.2** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.00 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.11 % | 0.11 % | 0.11 |
| 10.26 percent $O_2$ | 10.03 % | 10.12 % | 10.07 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.12 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.97 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.01 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.28 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.5 ppm $NO_X$ | **9.9** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.031** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.3** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.11 % | 0.11 % | 0.11 |
| 10.26 percent $O_2$ | 10.12 % | 10.08 % | 10.10 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.1 ppm | 0.03 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.27 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.3 ppm $NO_X$ | **9.7** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

| | |
|---|---|
| **0.030** NOX lb/MMBtu from O2 | **8.1** NOxppm @ 15% O2 from O2 |
| **0.000** CO lb/MMBtu from O2 | **0.1** COppm @ 15% O2 from O2 |

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.11 % | 0.12 % | 0.11 |
| 10.26 percent $O_2$ | 10.08 % | 10.01 % | 10.05 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.97 |
| 0.0 ppm CO | 0.1 ppm | 0.0 ppm | 0.04 |
| 9.4 ppm CO | 9.3 ppm | 9.2 ppm | 9.22 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.3 ppm $NO_X$ | **9.7** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.2** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.12 % | 0.12 % | 0.12 |
| 10.26 percent $O_2$ | 10.01 % | 10.10 % | 10.05 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.97 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.20 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.4 ppm $NO_X$ | **9.8** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.3** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.12 % | 0.13 % | 0.12 |
| 10.26 percent $O_2$ | 10.10 % | 10.10 % | 10.10 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.22 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.3 ppm $NO_X$ | **9.8** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.1** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.13 % | 0.12 % | 0.13 |
| 10.26 percent $O_2$ | 10.10 % | 10.09 % | 10.09 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.23 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.4 ppm $NO_X$ | **9.8** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.2** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.3** NOxppm @ 15% O2 from O2
**0.2** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.12 % | 0.15 % | 0.14 |
| 10.26 percent $O_2$ | 10.09 % | 10.12 % | 10.10 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.07 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.1 ppm | 0.05 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.21 |

| Mean Reference Values: | Corrected Results: | Basis: |
|---|---|---|
| 13.6 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.4 ppm $NO_X$ | **9.8** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.2** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.1** NOxppm @ 15% O2 from O2
**0.2** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4B Bypass (EU -039)
RATA/Comp
Date:2/11/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.15 % | 0.14 % | 0.14 |
| 10.26 percent $O_2$ | 10.12 % | 10.10 % | 10.11 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.97 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.4 ppm CO | 9.2 ppm | 9.3 ppm | 9.24 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.4 ppm $NO_X$ | **9.8** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.1** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| filename | | 2/11/2021 | 13:00:59 | | | | | | | | | | | | | | | |
| testby1 | C.E.M. Solutions, Inc. | | | | | | | | | | | | | | | | | |
| testby2 | 1183 E. Overdrive Circle | | | | | | | | | | | | | | | | | |
| testby3 | Hernando, FL 34442 | | | | | | | | | | | | | | | | | |
| testby4 | (352) 489-4337 | | | | | | | | | | | | | | | | | |
| testfor1 | Duke Energy Florida | | | | | | | | | | | | | | | | | |
| testfor2 | Bartow | | | | | | | | | | | | | | | | | |
| testfor3 | 4B Bypass (EU -039) | | | | | | | | | | | | | | | | | |
| testfor4 | RATA/Comp | | | | | | | | | | | | | | | | | |
| name | | | | O2 4B By | | NOx 4B By | | CO 4B By | | | | | | | | | | |
| sn | | | | 1420C/2741 | | 1336459882 | | CM08460059 | | | | | | | | | | |
| offset | | | | 0 | | 0 | | 0 | | | | | | | | | | |
| fullscale | | | | 25 | | 25 | | 25 | | | | | | | | | | |
| train | | | | 2 | | 2 | | 2 | | | | | | | | | | |
| gastype | | | | o2 3a | | nox 7e | | co 10 | | | | | | | | | | |
| dcg1 | | 2/11/2021 | 13:01:45 | 20.47 | | 0.0 | | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:02:00 | 20.47 | | 0.0 | | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:02:15 | 20.46 | | 0.1 | | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:02:30 | 19.94 | | 0.0 | | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:02:45 | 11.72 | | 0.0 | | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:03:00 | 2.50 | | 0.0 | | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:03:15 | 0.28 | | 0.0 | | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:03:30 | 0.11 | | 0.0 | | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:03:45 | 0.10 | | 0.0 | | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:04:00 | 0.10 | | 0.0 | | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:04:15 | 0.09 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:04:30 | 0.04 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:04:45 | -0.02 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:05:00 | -0.02 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:05:15 | -0.04 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:05:30 | -0.03 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg1 | | 2/11/2021 | 13:05:45 | -0.04 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| o2ezero2 | | 2/11/2021 | 13:05:30 | -0.03 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| noxezero2 | | 2/11/2021 | 13:05:30 | -0.03 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| coezero2 | | 2/11/2021 | 13:05:30 | -0.03 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:06:00 | -0.03 | | 0.0 | | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:06:15 | -0.02 | | 0.0 | | -0.2 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:06:30 | 1.54 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:06:45 | 8.66 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:07:00 | 14.86 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:07:15 | 18.51 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:07:30 | 20.11 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:07:45 | 20.59 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:08:00 | 20.66 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg2 | | 2/11/2021 | 13:08:15 | 20.67 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| o2high2 | | 2/11/2021 | 13:08:15 | 20.67 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:08:30 | 20.67 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:08:45 | 20.67 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:09:00 | 20.68 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:09:15 | 19.25 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:09:30 | 14.79 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:09:45 | 11.46 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:10:00 | 10.25 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:10:15 | 10.10 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg3 | | 2/11/2021 | 13:10:30 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| o2mid2 | | 2/11/2021 | 13:10:30 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:10:45 | 10.09 | | 0.0 | | -0.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:11:00 | 10.10 | | 0.0 | | 1.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:11:15 | 9.95 | | 9.9 | | 9.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:11:30 | 6.88 | | 8.9 | | 17.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:11:45 | 2.73 | | 14.8 | | 20.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:12:00 | 0.54 | | 22.4 | | 21.8 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:12:15 | 0.05 | | 23.4 | | 21.8 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:12:30 | 0.00 | | 23.4 | | 21.8 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:12:45 | 0.00 | | 23.3 | | 21.9 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:13:00 | -0.01 | | 22.6 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:13:15 | -0.01 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:13:30 | -0.03 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:13:45 | -0.02 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:14:00 | -0.02 | | 22.5 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:14:15 | -0.02 | | 22.4 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:14:30 | -0.03 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:14:45 | -0.02 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:15:00 | -0.03 | | 22.5 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| noxhigh2 | | 2/11/2021 | 13:14:45 | -0.02 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| cohigh2 | | 2/11/2021 | 13:14:45 | -0.02 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:15:15 | -0.04 | | 22.5 | | 22.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:15:30 | -0.04 | | 22.1 | | 21.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:15:45 | -0.04 | | 13.1 | | 17.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:16:00 | 0.01 | | 6.6 | | 12.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:16:15 | 0.02 | | 8.4 | | 9.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:16:30 | -0.03 | | 9.0 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:16:45 | -0.04 | | 9.0 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:17:00 | -0.04 | | 9.0 | | 9.5 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:17:15 | -0.04 | | 9.0 | | 9.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:17:30 | -0.04 | | 15.3 | | 12.9 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:17:45 | -0.04 | | 23.9 | | 18.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:18:00 | -0.04 | | 23.4 | | 21.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:18:15 | -0.04 | | 22.8 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:18:30 | -0.04 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:18:45 | -0.04 | | 22.4 | | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:19:00 | -0.04 | | 22.4 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:19:15 | -0.05 | | 22.5 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:19:30 | -0.05 | | 22.7 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:19:45 | -0.05 | | 22.7 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:20:00 | -0.05 | | 22.6 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:20:15 | -0.05 | | 22.7 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg4 | | 2/11/2021 | 13:20:30 | -0.05 | | 22.7 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| noxhigh2 | | 2/11/2021 | 13:20:30 | -0.05 | | 22.7 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| cohigh2 | | 2/11/2021 | 13:20:30 | -0.05 | | 22.7 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:20:45 | -0.05 | | 22.7 | | 22.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:21:00 | -0.05 | | 22.7 | | 21.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:21:15 | -0.05 | | 12.5 | | 17.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:21:30 | -0.06 | | 9.2 | | 11.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:21:45 | -0.05 | | 9.3 | | 9.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:22:00 | -0.05 | | 9.3 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:22:15 | -0.05 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| dcg5 | | 2/11/2021 | 13:22:30 | -0.06 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| noxmid2 | | 2/11/2021 | 13:22:30 | -0.06 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| comid2 | | 2/11/2021 | 13:22:30 | -0.06 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:23:00 | -0.02 | | 8.8 | | 9.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:23:15 | 0.36 | | 6.8 | | 8.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:23:30 | 0.27 | | 4.1 | | 5.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:23:45 | 4.42 | | 0.2 | | 2.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:24:00 | 13.75 | | 0.3 | | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:24:15 | 19.31 | | 7.5 | | 4.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:24:30 | 15.26 | | 8.9 | | 7.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:24:45 | 4.91 | | 9.0 | | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:25:00 | 0.76 | | 9.0 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:25:15 | 0.27 | | 9.0 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | | 2/11/2021 | 13:25:30 | 0.20 | | 9.0 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| noxspan2 | 2/11/2021 | 13:25:30 | 0.20 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan2 | 2/11/2021 | 13:25:30 | 0.20 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:25:45 | 0.18 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:26:00 | 0.16 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:26:15 | 0.16 | 9.0 | 9.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:26:30 | 0.14 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:26:45 | 0.14 | 5.6 | 6.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:27:00 | 1.44 | 0.4 | 2.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:27:15 | 5.56 | 0.1 | 0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:27:30 | 8.59 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:27:45 | 9.87 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:28:00 | 10.08 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/11/2021 | 13:28:15 | 10.12 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span2 | 2/11/2021 | 13:28:15 | 10.12 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:28:30 | 10.12 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:28:45 | 10.12 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:29:00 | 10.13 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:29:15 | 10.13 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:29:30 | 10.12 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:29:45 | 9.03 | 0.0 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:30:00 | 4.78 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:30:15 | 1.45 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:30:30 | 0.31 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:30:45 | 0.17 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:31:00 | 0.15 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/11/2021 | 13:31:15 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero2 | 2/11/2021 | 13:31:15 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero2 | 2/11/2021 | 13:31:15 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero2 | 2/11/2021 | 13:31:15 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run1 | 2/11/2021 | 14:55:00 | 13.61 | 9.8 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:55:15 | 13.60 | 9.8 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:55:30 | 13.60 | 9.8 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:55:45 | 13.59 | 9.7 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:56:00 | 13.60 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:56:15 | 13.60 | 10.0 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:56:30 | 13.59 | 10.0 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:56:45 | 13.59 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:57:00 | 13.60 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:57:15 | 13.59 | 9.8 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:57:30 | 13.60 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:57:45 | 13.60 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:58:00 | 13.60 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:58:15 | 13.60 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:58:30 | 13.61 | 9.9 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:58:45 | 13.60 | 10.0 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 14:59:00 | 13.61 | 10.0 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:59:15 | 13.60 | 10.2 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 14:59:30 | 13.59 | 10.1 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 14:59:45 | 13.59 | 10.0 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:00:00 | 13.60 | 10.0 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:00:15 | 13.61 | 10.0 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:00:30 | 13.61 | 10.1 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:00:45 | 13.61 | 10.1 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:01:00 | 13.61 | 10.1 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:01:15 | 13.60 | 10.2 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:01:30 | 13.60 | 10.2 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:01:45 | 13.60 | 10.2 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:02:00 | 13.59 | 10.2 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:02:15 | 13.58 | 10.2 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:02:30 | 13.59 | 10.2 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:02:45 | 13.60 | 10.4 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:03:00 | 13.61 | 10.8 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:03:15 | 13.69 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:03:30 | 13.72 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:03:45 | 13.62 | 10.3 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:04:00 | 13.60 | 10.3 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:04:15 | 13.60 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:04:30 | 13.61 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:04:45 | 13.61 | 10.9 | 0.1 | | | | | | | | | |
| run1 | 2/11/2021 | 15:05:00 | 13.60 | 10.6 | 0.1 | | | | | | | | | |
| run1 | 2/11/2021 | 15:05:15 | 13.59 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:05:30 | 13.60 | 10.4 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:05:45 | 13.61 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:06:00 | 13.61 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:06:15 | 13.60 | 10.4 | 0.1 | | | | | | | | | |
| run1 | 2/11/2021 | 15:06:30 | 13.61 | 10.9 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:06:45 | 13.60 | 10.4 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:07:00 | 13.60 | 10.5 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:07:15 | 13.60 | 10.7 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:07:30 | 13.60 | 10.3 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:07:45 | 13.60 | 10.4 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:08:00 | 13.60 | 10.6 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:08:15 | 13.60 | 10.2 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:08:30 | 13.60 | 10.3 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:08:45 | 13.61 | 10.1 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:09:00 | 13.59 | 10.0 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:09:15 | 13.61 | 10.1 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:09:30 | 13.60 | 10.0 | 0.2 | | | | | | | | | |
| run1 | 2/11/2021 | 15:09:45 | 13.60 | 9.9 | 0.4 | | | | | | | | | |
| run1 | 2/11/2021 | 15:10:00 | 13.62 | 10.1 | 0.4 | | | | | | | | | |
| run1 | 2/11/2021 | 15:10:15 | 13.73 | 9.7 | 0.3 | | | | | | | | | |
| run1 | 2/11/2021 | 15:10:30 | 13.72 | 9.9 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:10:45 | 13.65 | 10.0 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:11:00 | 13.63 | 9.9 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:11:15 | 13.63 | 10.0 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:11:30 | 13.63 | 10.0 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:11:45 | 13.62 | 9.9 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:12:00 | 13.61 | 9.9 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:12:15 | 13.61 | 9.8 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:12:30 | 13.62 | 9.7 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:12:45 | 13.63 | 9.7 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:13:00 | 13.63 | 9.8 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:13:15 | 13.61 | 9.8 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:13:30 | 13.61 | 9.7 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:13:45 | 13.61 | 9.6 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:14:00 | 13.62 | 9.6 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:14:15 | 13.62 | 9.6 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:14:30 | 13.61 | 9.5 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:14:45 | 13.61 | 9.4 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:15:00 | 13.61 | 9.5 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:15:15 | 13.62 | 9.6 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:15:30 | 13.62 | 9.6 | 0.0 | | | | | | | | | |
| run1 | 2/11/2021 | 15:15:45 | 13.62 | 9.6 | 0.0 | | | | | | | | | |
| averun1 | 2/11/2021 | 14:55:00 | 13.61 | 10.1 | 0.2 | | 21 | | | | | | | |
| scg5 | 2/11/2021 | 15:16:00 | 13.62 | 9.6 | -0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 15:16:15 | 13.61 | 9.6 | 0.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 15:16:30 | 13.62 | 9.6 | 0.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 15:16:45 | 13.62 | 9.6 | 0.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 15:17:00 | 13.62 | 7.9 | 1.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 15:17:15 | 12.90 | 4.5 | 5.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/11/2021 | 15:17:30 | 7.25 | 8.3 | 8.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg5 | 2/11/2021 | 15:17:45 | 1.91 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:18:00 | 0.34 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:18:15 | 0.19 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:18:30 | 0.17 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 15:18:30 | 0.17 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 15:18:30 | 0.17 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 15:18:45 | 0.15 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:19:00 | 0.14 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:19:15 | 0.14 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:19:30 | 0.13 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:19:45 | 0.12 | 6.6 | 7.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:20:00 | 0.12 | 0.8 | 3.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:20:15 | 0.13 | 0.2 | 1.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:20:30 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:20:45 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero2 | 2/11/2021 | 15:20:45 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero2 | 2/11/2021 | 15:20:45 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero2 | 2/11/2021 | 15:20:45 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg3 | 2/11/2021 | 15:21:00 | 0.10 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:21:15 | 0.09 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:21:30 | 0.10 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:21:45 | 0.10 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:22:00 | 0.10 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:22:15 | 0.83 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:22:30 | 4.67 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:22:45 | 8.02 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:23:00 | 9.62 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:23:15 | 9.98 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:23:30 | 10.02 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:23:45 | 10.03 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 15:23:45 | 10.03 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| run2 | 2/11/2021 | 15:27:00 | 13.58 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:27:15 | 13.59 | 9.6 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:27:30 | 13.58 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:27:45 | 13.58 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:28:00 | 13.57 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:28:15 | 13.57 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:28:30 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:28:45 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:29:00 | 13.61 | 9.2 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:29:15 | 13.61 | 9.1 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:29:30 | 13.62 | 9.2 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:29:45 | 13.63 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:30:00 | 13.62 | 9.5 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:30:15 | 13.62 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:30:30 | 13.62 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:30:45 | 13.62 | 9.4 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:31:00 | 13.61 | 9.4 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:31:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:31:30 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:31:45 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:32:00 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:32:15 | 13.62 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:32:30 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:32:45 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:33:00 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:33:15 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:33:30 | 13.60 | 9.4 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:33:45 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:34:00 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:34:15 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:34:30 | 13.62 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:34:45 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:35:00 | 13.62 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:35:15 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:35:30 | 13.60 | 9.4 | 0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:35:45 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:36:00 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:36:15 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:36:30 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:36:45 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:37:00 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:37:15 | 13.61 | 9.6 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:37:30 | 13.61 | 9.6 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:37:45 | 13.60 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:38:00 | 13.60 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:38:15 | 13.61 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:38:30 | 13.60 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:38:45 | 13.61 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:39:00 | 13.61 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:39:15 | 13.61 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:39:30 | 13.61 | 9.8 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:39:45 | 13.61 | 9.8 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:40:00 | 13.60 | 10.3 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:40:15 | 13.61 | 10.1 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:40:30 | 13.63 | 9.8 | 0.3 | | | | | | | |
| run2 | 2/11/2021 | 15:40:45 | 13.63 | 9.6 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:41:00 | 13.63 | 9.7 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:41:15 | 13.63 | 9.6 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:41:30 | 13.63 | 9.6 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:41:45 | 13.62 | 9.6 | 0.2 | | | | | | | |
| run2 | 2/11/2021 | 15:42:00 | 13.61 | 9.5 | 0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:42:15 | 13.61 | 9.2 | 0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:42:30 | 13.60 | 9.5 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:42:45 | 13.60 | 9.6 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:43:00 | 13.60 | 9.5 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:43:15 | 13.61 | 9.6 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:43:30 | 13.61 | 9.7 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:43:45 | 13.60 | 9.7 | -0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:44:00 | 13.59 | 9.7 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:44:15 | 13.60 | 9.7 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:44:30 | 13.61 | 9.8 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:44:45 | 13.60 | 9.8 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:45:00 | 13.60 | 9.7 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:45:15 | 13.60 | 9.6 | -0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:45:30 | 13.61 | 9.6 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:45:45 | 13.60 | 9.7 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:46:00 | 13.61 | 9.7 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:46:15 | 13.61 | 9.7 | -0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:46:30 | 13.61 | 9.7 | -0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:46:45 | 13.61 | 9.6 | -0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:47:00 | 13.60 | 9.7 | 0.0 | | | | | | | |
| run2 | 2/11/2021 | 15:47:15 | 13.61 | 9.7 | -0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:47:30 | 13.60 | 9.6 | -0.1 | | | | | | | |
| run2 | 2/11/2021 | 15:47:45 | 13.59 | 9.6 | -0.1 | | | | | | | |
| averun2 | 2/11/2021 | 15:27:00 | 13.61 | 9.5 | 0.2 | 21 | | | | | | |
| scg3 | 2/11/2021 | 15:48:00 | 13.60 | 9.5 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:48:15 | 13.61 | 9.6 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:48:30 | 13.61 | 9.6 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:48:45 | 13.60 | 9.7 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:49:00 | 13.59 | 5.4 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg3 | 2/11/2021 | 15:49:15 | 13.35 | 0.4 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:49:30 | 11.76 | 0.2 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:49:45 | 10.46 | 0.2 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:50:00 | 10.15 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 15:50:15 | 10.12 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 15:50:15 | 10.12 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 15:50:30 | 10.11 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:50:45 | 10.10 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:51:00 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:51:15 | 10.10 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:51:30 | 10.09 | 3.8 | 2.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:51:45 | 8.50 | 7.8 | 6.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:52:00 | 4.04 | 8.8 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:52:15 | 1.16 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:52:30 | 0.28 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 15:52:45 | 0.18 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 15:52:45 | 0.18 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 15:52:45 | 0.18 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 15:53:00 | 0.17 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:53:15 | 0.15 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:53:30 | 0.15 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:53:45 | 0.14 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:54:00 | 0.14 | 6.7 | 7.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:54:15 | 0.14 | 0.3 | 3.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:54:30 | 0.14 | 0.2 | 0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:54:45 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 15:55:00 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero2 | 2/11/2021 | 15:55:00 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero2 | 2/11/2021 | 15:55:00 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero2 | 2/11/2021 | 15:55:00 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run3 | 2/11/2021 | 15:58:00 | 13.54 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 15:58:15 | 13.55 | 9.3 | 0.3 | | | | | | | |
| run3 | 2/11/2021 | 15:58:30 | 13.55 | 9.2 | 0.3 | | | | | | | |
| run3 | 2/11/2021 | 15:58:45 | 13.56 | 9.2 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 15:59:00 | 13.57 | 9.2 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 15:59:15 | 13.58 | 9.2 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 15:59:30 | 13.58 | 9.2 | 0.3 | | | | | | | |
| run3 | 2/11/2021 | 15:59:45 | 13.58 | 9.1 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:00:00 | 13.58 | 9.2 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:00:15 | 13.58 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:00:30 | 13.58 | 9.5 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:00:45 | 13.57 | 9.6 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:01:00 | 13.56 | 9.5 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:01:15 | 13.56 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:01:30 | 13.57 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:01:45 | 13.58 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:02:00 | 13.58 | 9.5 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:02:15 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:02:30 | 13.58 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:02:45 | 13.58 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:03:00 | 13.58 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:03:15 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:03:30 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:03:45 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:04:00 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:04:15 | 13.58 | 9.1 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:04:30 | 13.59 | 9.0 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:04:45 | 13.60 | 9.0 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:05:00 | 13.60 | 9.1 | 0.3 | | | | | | | |
| run3 | 2/11/2021 | 16:05:15 | 13.60 | 9.2 | 0.3 | | | | | | | |
| run3 | 2/11/2021 | 16:05:30 | 13.62 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:05:45 | 13.61 | 9.3 | 0.4 | | | | | | | |
| run3 | 2/11/2021 | 16:06:00 | 13.60 | 9.3 | 0.6 | | | | | | | |
| run3 | 2/11/2021 | 16:06:15 | 13.59 | 9.4 | 0.5 | | | | | | | |
| run3 | 2/11/2021 | 16:06:30 | 13.58 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:06:45 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:07:00 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:07:15 | 13.60 | 9.3 | 0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:07:30 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:07:45 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:08:00 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:08:15 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:08:30 | 13.59 | 9.5 | 0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:08:45 | 13.59 | 9.5 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:09:00 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:09:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:09:30 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:09:45 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:10:00 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:10:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:10:30 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:10:45 | 13.60 | 9.3 | 0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:11:00 | 13.60 | 9.3 | 0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:11:15 | 13.61 | 9.2 | 0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:11:30 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:11:45 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:12:00 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:12:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:12:30 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:12:45 | 13.59 | 9.1 | 0.2 | | | | | | | |
| run3 | 2/11/2021 | 16:13:00 | 13.60 | 9.0 | 0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:13:15 | 13.60 | 9.1 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:13:30 | 13.61 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:13:45 | 13.61 | 9.3 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:14:00 | 13.61 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:14:15 | 13.60 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:14:30 | 13.61 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:14:45 | 13.61 | 9.1 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:15:00 | 13.62 | 9.1 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:15:15 | 13.62 | 9.1 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:15:30 | 13.61 | 9.1 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:15:45 | 13.62 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:16:00 | 13.61 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:16:15 | 13.61 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:16:30 | 13.61 | 9.2 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:16:45 | 13.62 | 9.4 | -0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:17:00 | 13.61 | 9.4 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:17:15 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:17:30 | 13.60 | 9.3 | -0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:17:45 | 13.61 | 9.4 | -0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:18:00 | 13.60 | 9.5 | -0.1 | | | | | | | |
| run3 | 2/11/2021 | 16:18:15 | 13.61 | 9.5 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:18:30 | 13.60 | 9.8 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:18:45 | 13.60 | 9.9 | 0.0 | | | | | | | |
| run3 | 2/11/2021 | 16:19:00 | 13.60 | 9.5 | 0.0 | | | | | | | |
| averun3 | 2/11/2021 | 15:58:00 | 13.59 | 9.3 | 0.2 | 21 | | | | | | |
| scg3 | 2/11/2021 | 16:19:15 | 13.60 | 9.8 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:19:30 | 13.62 | 9.6 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:19:45 | 13.62 | 9.9 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:20:00 | 13.61 | 9.4 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:20:15 | 13.58 | 1.5 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg3 | 2/11/2021 | 16:20:30 | 11.73 | 0.3 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:20:45 | 9.78 | 0.2 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:21:00 | 9.95 | 0.2 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:21:15 | 10.08 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 16:21:15 | 10.08 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 16:21:30 | 10.09 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:21:45 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:22:00 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:22:15 | 10.10 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:22:30 | 10.10 | 0.3 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:22:45 | 9.90 | 6.8 | 4.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:23:00 | 6.83 | 8.4 | 7.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:23:15 | 2.77 | 8.9 | 8.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:23:30 | 0.65 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:23:45 | 0.22 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 16:23:45 | 0.22 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 16:23:45 | 0.22 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 16:24:00 | 0.17 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:24:15 | 0.15 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:24:30 | 0.15 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:24:45 | 0.14 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:25:00 | 0.12 | 7.7 | 7.8 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:25:15 | 0.13 | 0.4 | 3.9 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:25:30 | 0.14 | 0.1 | 0.9 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:25:45 | 0.13 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:26:00 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:26:15 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero2 | 2/11/2021 | 16:26:15 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero2 | 2/11/2021 | 16:26:15 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero2 | 2/11/2021 | 16:26:15 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run4 | 2/11/2021 | 16:29:00 | 13.54 | 9.1 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:29:15 | 13.55 | 9.2 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:29:30 | 13.56 | 9.3 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:29:45 | 13.57 | 9.3 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:30:00 | 13.57 | 9.2 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:30:15 | 13.58 | 9.2 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:30:30 | 13.58 | 9.3 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:30:45 | 13.58 | 9.4 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:31:00 | 13.58 | 9.4 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:31:15 | 13.59 | 9.5 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:31:30 | 13.59 | 9.5 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:31:45 | 13.60 | 9.5 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:32:00 | 13.60 | 9.5 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:32:15 | 13.61 | 9.4 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:32:30 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:32:45 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:33:00 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:33:15 | 13.62 | 9.2 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:33:30 | 13.63 | 9.2 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:33:45 | 13.63 | 9.1 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:34:00 | 13.62 | 9.2 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:34:15 | 13.62 | 9.2 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:34:30 | 13.61 | 9.2 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:34:45 | 13.62 | 9.2 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:35:00 | 13.62 | 9.2 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:35:15 | 13.62 | 9.3 | 0.3 | | | | | | | |
| run4 | 2/11/2021 | 16:35:30 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:35:45 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:36:00 | 13.63 | 9.3 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:36:15 | 13.62 | 9.3 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:36:30 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:36:45 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:37:00 | 13.62 | 9.3 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:37:15 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:37:30 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:37:45 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:38:00 | 13.62 | 9.4 | 0.2 | | | | | | | |
| run4 | 2/11/2021 | 16:38:15 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:38:30 | 13.61 | 9.5 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:38:45 | 13.62 | 9.5 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:39:00 | 13.62 | 9.5 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:39:15 | 13.62 | 9.5 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:39:30 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:39:45 | 13.63 | 9.5 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:40:00 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:40:15 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:40:30 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:40:45 | 13.61 | 9.3 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:41:00 | 13.60 | 9.3 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:41:15 | 13.60 | 9.2 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:41:30 | 13.61 | 9.2 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:41:45 | 13.61 | 9.1 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:42:00 | 13.61 | 9.1 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:42:15 | 13.61 | 9.1 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:42:30 | 13.61 | 9.1 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:42:45 | 13.61 | 9.1 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:43:00 | 13.61 | 9.1 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:43:15 | 13.61 | 9.2 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:43:30 | 13.62 | 9.4 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:43:45 | 13.62 | 9.3 | 0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:44:00 | 13.64 | 9.2 | 0.0 | | | | | | | |
| run4 | 2/11/2021 | 16:44:15 | 13.62 | 9.1 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:44:30 | 13.62 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:44:45 | 13.62 | 9.5 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:45:00 | 13.63 | 9.4 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:45:15 | 13.63 | 9.3 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:45:30 | 13.63 | 9.4 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:45:45 | 13.63 | 9.4 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:46:00 | 13.62 | 9.4 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:46:15 | 13.63 | 9.3 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:46:30 | 13.63 | 9.3 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:46:45 | 13.63 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:47:00 | 13.63 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:47:15 | 13.63 | 9.3 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:47:30 | 13.62 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:47:45 | 13.63 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:48:00 | 13.62 | 9.3 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:48:15 | 13.62 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:48:30 | 13.62 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:48:45 | 13.63 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:49:00 | 13.63 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:49:15 | 13.63 | 9.2 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:49:30 | 13.62 | 9.3 | -0.1 | | | | | | | |
| run4 | 2/11/2021 | 16:49:45 | 13.63 | 9.4 | -0.1 | | | | | | | |
| averun4 | 2/11/2021 | 16:29:00 | 13.61 | 9.3 | 0.1 | | 21 | | | | | |
| scg3 | 2/11/2021 | 16:50:00 | 13.62 | 9.4 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:50:15 | 13.62 | 9.5 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:50:30 | 13.62 | 9.5 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:50:45 | 13.62 | 9.6 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:51:00 | 13.62 | 5.7 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:51:15 | 13.08 | 0.3 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg3 | 2/11/2021 | 16:51:30 | 10.57 | 0.2 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 16:51:45 | 10.01 | 0.2 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 16:51:45 | 10.01 | 0.2 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 16:52:00 | 10.09 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:52:15 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:52:30 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:52:45 | 10.10 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:53:00 | 10.09 | 4.0 | 2.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:53:15 | 8.56 | 7.9 | 6.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:53:30 | 4.21 | 8.8 | 8.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:53:45 | 1.20 | 8.9 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:54:00 | 0.28 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 16:54:15 | 0.17 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 16:54:15 | 0.17 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 16:54:15 | 0.17 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 16:54:30 | 0.15 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:54:45 | 0.15 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:55:00 | 0.13 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:55:15 | 0.13 | 8.9 | 9.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:55:30 | 0.12 | 4.0 | 6.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:55:45 | 0.13 | 0.2 | 2.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:56:00 | 0.12 | 0.1 | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 16:56:15 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero2 | 2/11/2021 | 16:56:15 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero2 | 2/11/2021 | 16:56:15 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero2 | 2/11/2021 | 16:56:15 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run5 | 2/11/2021 | 16:59:00 | 13.57 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 16:59:15 | 13.56 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 16:59:30 | 13.57 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 16:59:45 | 13.58 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:00:00 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:00:15 | 13.59 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:00:30 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:00:45 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:01:00 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:01:15 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:01:30 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:01:45 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:02:00 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:02:15 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:02:30 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:02:45 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:03:00 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:03:15 | 13.60 | 9.4 | 0.3 | | | | | | | |
| run5 | 2/11/2021 | 17:03:30 | 13.60 | 9.4 | 0.3 | | | | | | | |
| run5 | 2/11/2021 | 17:03:45 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run5 | 2/11/2021 | 17:04:00 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:04:15 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:04:30 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:04:45 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:05:00 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:05:15 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:05:30 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run5 | 2/11/2021 | 17:05:45 | 13.61 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:06:00 | 13.61 | 9.2 | 0.3 | | | | | | | |
| run5 | 2/11/2021 | 17:06:15 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:06:30 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:06:45 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:07:00 | 13.60 | 9.3 | 0.1 | | | | | | | |
| run5 | 2/11/2021 | 17:07:15 | 13.59 | 9.4 | 0.1 | | | | | | | |
| run5 | 2/11/2021 | 17:07:30 | 13.60 | 9.2 | 0.1 | | | | | | | |
| run5 | 2/11/2021 | 17:07:45 | 13.61 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:08:00 | 13.59 | 9.2 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:08:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:08:30 | 13.62 | 9.6 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:08:45 | 13.61 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:09:00 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:09:15 | 13.60 | 9.6 | 0.1 | | | | | | | |
| run5 | 2/11/2021 | 17:09:30 | 13.60 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:09:45 | 13.60 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:10:00 | 13.60 | 9.6 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:10:15 | 13.60 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:10:30 | 13.61 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:10:45 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:11:00 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:11:15 | 13.60 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:11:30 | 13.62 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:11:45 | 13.63 | 9.6 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:12:00 | 13.63 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:12:15 | 13.63 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:12:30 | 13.62 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:12:45 | 13.63 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:13:00 | 13.61 | 9.5 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:13:15 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:13:30 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:13:45 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run5 | 2/11/2021 | 17:14:00 | 13.60 | 9.1 | 0.1 | | | | | | | |
| run5 | 2/11/2021 | 17:14:15 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:14:30 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:14:45 | 13.60 | 9.3 | -0.1 | | | | | | | |
| run5 | 2/11/2021 | 17:15:00 | 13.61 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:15:15 | 13.60 | 9.4 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:15:30 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:15:45 | 13.60 | 9.4 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:16:00 | 13.60 | 9.4 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:16:15 | 13.60 | 9.4 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:16:30 | 13.60 | 9.4 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:16:45 | 13.61 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:17:00 | 13.61 | 9.5 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:17:15 | 13.61 | 9.5 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:17:30 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:17:45 | 13.61 | 9.5 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:18:00 | 13.61 | 9.5 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:18:15 | 13.60 | 9.2 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:18:30 | 13.60 | 9.3 | -0.1 | | | | | | | |
| run5 | 2/11/2021 | 17:18:45 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:19:00 | 13.60 | 9.4 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:19:15 | 13.59 | 9.3 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:19:30 | 13.59 | 9.4 | 0.0 | | | | | | | |
| run5 | 2/11/2021 | 17:19:45 | 13.59 | 9.4 | 0.0 | | | | | | | |
| averun5 | 2/11/2021 | 16:59:00 | 13.60 | 9.4 | 0.1 | 21 | | | | | | |
| scg3 | 2/11/2021 | 17:20:00 | 13.59 | 9.4 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:20:15 | 13.59 | 9.5 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:20:30 | 13.59 | 9.5 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:20:45 | 13.59 | 7.9 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:21:00 | 13.53 | 2.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:21:15 | 11.49 | 0.3 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:21:30 | 9.80 | 0.2 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:21:45 | 9.99 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:22:00 | 10.10 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 17:22:00 | 10.10 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg5 | 2/11/2021 | 17:22:15 | 10.11 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:22:30 | 10.11 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:22:45 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:23:00 | 10.10 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:23:15 | 10.09 | 4.2 | 2.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:23:30 | 8.45 | 8.0 | 6.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:23:45 | 4.00 | 8.9 | 8.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:24:00 | 1.15 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:24:15 | 0.29 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 17:24:15 | 0.29 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 17:24:15 | 0.29 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 17:24:30 | 0.18 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:24:45 | 0.16 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:25:00 | 0.15 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:25:15 | 0.14 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:25:30 | 0.14 | 4.4 | 6.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:25:45 | 0.14 | 0.2 | 2.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:26:00 | 0.13 | 0.1 | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:26:15 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 17:26:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero2 | 2/11/2021 | 17:26:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero2 | 2/11/2021 | 17:26:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero2 | 2/11/2021 | 17:26:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run6 | 2/11/2021 | 17:28:00 | 12.65 | 9.2 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:28:15 | 13.44 | 9.2 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:28:30 | 13.52 | 9.3 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:28:45 | 13.54 | 9.3 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:29:00 | 13.55 | 9.4 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:29:15 | 13.56 | 9.6 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:29:30 | 13.56 | 9.6 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:29:45 | 13.56 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:30:00 | 13.56 | 9.6 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:30:15 | 13.57 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:30:30 | 13.56 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:30:45 | 13.55 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:31:00 | 13.57 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:31:15 | 13.57 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:31:30 | 13.57 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:31:45 | 13.58 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:32:00 | 13.58 | 9.5 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:32:15 | 13.59 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:32:30 | 13.58 | 9.6 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:32:45 | 13.59 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:33:00 | 13.59 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:33:15 | 13.59 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:33:30 | 13.59 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:33:45 | 13.58 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:34:00 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:34:15 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:34:30 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:34:45 | 13.59 | 9.2 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:35:00 | 13.59 | 9.2 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:35:15 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:35:30 | 13.60 | 9.2 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:35:45 | 13.60 | 9.1 | 0.3 | | | | | | | |
| run6 | 2/11/2021 | 17:36:00 | 13.59 | 9.0 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:36:15 | 13.59 | 9.1 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:36:30 | 13.59 | 9.1 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:36:45 | 13.60 | 9.1 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:37:00 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:37:15 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:37:30 | 13.61 | 9.2 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:37:45 | 13.61 | 9.2 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:38:00 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:38:15 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:38:30 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:38:45 | 13.60 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:39:00 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:39:15 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:39:30 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:39:45 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:40:00 | 13.61 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:40:15 | 13.60 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:40:30 | 13.61 | 9.5 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:40:45 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:41:00 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:41:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:41:30 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:41:45 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:42:00 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:42:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:42:30 | 13.61 | 9.3 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:42:45 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run6 | 2/11/2021 | 17:43:00 | 13.60 | 9.1 | 0.1 | | | | | | | |
| run6 | 2/11/2021 | 17:43:15 | 13.60 | 9.1 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:43:30 | 13.61 | 9.4 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:43:45 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:44:00 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:44:15 | 13.59 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:44:30 | 13.59 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:44:45 | 13.58 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:45:00 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:45:15 | 13.58 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:45:30 | 13.59 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:45:45 | 13.59 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:46:00 | 13.60 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:46:15 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:46:30 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:46:45 | 13.59 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:47:00 | 13.58 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:47:15 | 13.59 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:47:30 | 13.60 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:47:45 | 13.60 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:48:00 | 13.60 | 9.2 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:48:15 | 13.60 | 9.3 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:48:30 | 13.61 | 9.4 | 0.0 | | | | | | | |
| run6 | 2/11/2021 | 17:48:45 | 13.61 | 9.5 | 0.0 | | | | | | | |
| averun6 | 2/11/2021 | 17:28:00 | 13.58 | 9.3 | 0.2 | 21 | | | | | | |
| scg3 | 2/11/2021 | 17:49:00 | 13.61 | 9.4 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:49:15 | 13.60 | 9.4 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:49:30 | 13.61 | 9.4 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:49:45 | 13.61 | 9.0 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:50:00 | 13.60 | 3.2 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:50:15 | 12.37 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:50:30 | 10.21 | 0.2 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:50:45 | 10.04 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 17:51:00 | 10.10 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 17:51:00 | 10.10 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 17:51:15 | 10.11 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:51:30 | 10.11 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 17:51:45 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg5 | 2/11/2021 | 17:52:00 | 10.10 | 0.1 | -0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 17:52:15 | 10.10 | 4.1 | 2.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 17:52:30 | 8.47 | 8.0 | 6.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 17:52:45 | 4.12 | 8.9 | 8.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 17:53:00 | 1.20 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 17:53:15 | 0.29 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| noxspan2 | 2/11/2021 | 17:53:15 | 0.29 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| cospan2 | 2/11/2021 | 17:53:15 | 0.29 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:53:30 | 0.19 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:53:45 | 0.16 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:54:00 | 0.15 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:54:15 | 0.15 | 8.8 | 9.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:54:30 | 0.14 | 3.5 | 5.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:54:45 | 0.14 | 0.2 | 2.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:55:00 | 0.13 | 0.1 | 0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/11/2021 | 17:55:15 | 0.13 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| o2zero2 | 2/11/2021 | 17:55:15 | 0.13 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| noxzero2 | 2/11/2021 | 17:55:15 | 0.13 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| cozero2 | 2/11/2021 | 17:55:15 | 0.13 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| run7 | 2/11/2021 | 17:57:00 | 13.51 | 9.5 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:57:15 | 13.53 | 9.5 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:57:30 | 13.54 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:57:45 | 13.55 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:58:00 | 13.55 | 9.2 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:58:15 | 13.56 | 9.2 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:58:30 | 13.56 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:58:45 | 13.57 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:59:00 | 13.57 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:59:15 | 13.58 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:59:30 | 13.59 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 17:59:45 | 13.60 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:00:00 | 13.59 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:00:15 | 13.58 | 9.5 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:00:30 | 13.58 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:00:45 | 13.58 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:01:00 | 13.58 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:01:15 | 13.58 | 9.4 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:01:30 | 13.59 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:01:45 | 13.59 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:02:00 | 13.59 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:02:15 | 13.59 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:02:30 | 13.60 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:02:45 | 13.59 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:03:00 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:03:15 | 13.60 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:03:30 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:03:45 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:04:00 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:04:15 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:04:30 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:04:45 | 13.60 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:05:00 | 13.61 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:05:15 | 13.60 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:05:30 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:05:45 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:06:00 | 13.61 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:06:15 | 13.61 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:06:30 | 13.61 | 9.4 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:06:45 | 13.60 | 9.5 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:07:00 | 13.61 | 9.4 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:07:15 | 13.60 | 9.5 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:07:30 | 13.61 | 9.6 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:07:45 | 13.61 | 9.6 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:08:00 | 13.62 | 9.4 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:08:15 | 13.61 | 9.4 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:08:30 | 13.60 | 9.4 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:08:45 | 13.60 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:09:00 | 13.61 | 9.3 | 0.3 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:09:15 | 13.61 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:09:30 | 13.61 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:09:45 | 13.61 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:10:00 | 13.60 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:10:15 | 13.59 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:10:30 | 13.60 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:10:45 | 13.59 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:11:00 | 13.59 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:11:15 | 13.60 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:11:30 | 13.59 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:11:45 | 13.59 | 9.3 | 0.2 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:12:00 | 13.59 | 9.3 | 0.1 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:12:15 | 13.59 | 9.4 | 0.1 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:12:30 | 13.59 | 9.6 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:12:45 | 13.60 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:13:00 | 13.61 | 9.4 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:13:15 | 13.61 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:13:30 | 13.61 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:13:45 | 13.61 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:14:00 | 13.60 | 9.4 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:14:15 | 13.61 | 9.4 | 0.1 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:14:30 | 13.61 | 9.4 | 0.1 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:14:45 | 13.61 | 9.4 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:15:00 | 13.60 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:15:15 | 13.60 | 9.5 | 0.1 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:15:30 | 13.60 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:15:45 | 13.60 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:16:00 | 13.61 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:16:15 | 13.60 | 9.5 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:16:30 | 13.61 | 9.4 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:16:45 | 13.61 | 9.3 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:17:00 | 13.61 | 9.3 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:17:15 | 13.61 | 9.3 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:17:30 | 13.61 | 9.3 | 0.0 | | | | | | | | | | |
| run7 | 2/11/2021 | 18:17:45 | 13.61 | 9.4 | 0.0 | | | | | | | | | | |
| averun7 | 2/11/2021 | 17:57:00 | 13.60 | 9.4 | 0.2 | | 21 | | | | | | | | |
| scg3 | 2/11/2021 | 18:18:00 | 13.61 | 9.4 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:18:15 | 13.63 | 9.3 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:18:30 | 13.63 | 9.3 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:18:45 | 13.61 | 8.0 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:19:00 | 13.58 | 2.2 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:19:15 | 11.50 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:19:30 | 9.60 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:19:45 | 9.90 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/11/2021 | 18:20:00 | 10.09 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| o2span2 | 2/11/2021 | 18:20:00 | 10.09 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 18:20:15 | 10.10 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 18:20:30 | 10.10 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 18:20:45 | 10.10 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 18:21:00 | 10.10 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 18:21:15 | 10.10 | 3.7 | 2.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 18:21:30 | 8.80 | 7.9 | 6.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/11/2021 | 18:21:45 | 4.49 | 8.8 | 8.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg5 | 2/11/2021 | 18:22:00 | 1.37 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:22:15 | 0.32 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 18:22:15 | 0.32 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 18:22:15 | 0.32 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 18:22:30 | 0.19 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:22:45 | 0.17 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:23:00 | 0.16 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:23:15 | 0.15 | 9.0 | 9.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:23:30 | 0.13 | 4.8 | 6.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:23:45 | 0.14 | 0.2 | 2.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:24:00 | 0.14 | 0.1 | 0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:24:15 | 0.13 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:24:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero2 | 2/11/2021 | 18:24:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero2 | 2/11/2021 | 18:24:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero2 | 2/11/2021 | 18:24:30 | 0.12 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run8 | 2/11/2021 | 18:26:00 | 13.49 | 9.1 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:26:15 | 13.52 | 9.0 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:26:30 | 13.54 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:26:45 | 13.55 | 9.4 | 0.4 | | | | | | | |
| run8 | 2/11/2021 | 18:27:00 | 13.56 | 9.4 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:27:15 | 13.55 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:27:30 | 13.56 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:27:45 | 13.57 | 9.4 | 0.4 | | | | | | | |
| run8 | 2/11/2021 | 18:28:00 | 13.57 | 9.4 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:28:15 | 13.57 | 9.4 | 0.4 | | | | | | | |
| run8 | 2/11/2021 | 18:28:30 | 13.58 | 9.4 | 0.4 | | | | | | | |
| run8 | 2/11/2021 | 18:28:45 | 13.58 | 9.4 | 0.4 | | | | | | | |
| run8 | 2/11/2021 | 18:29:00 | 13.58 | 9.4 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:29:15 | 13.58 | 9.5 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:29:30 | 13.58 | 9.5 | 0.4 | | | | | | | |
| run8 | 2/11/2021 | 18:29:45 | 13.58 | 9.4 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:30:00 | 13.58 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:30:15 | 13.58 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:30:30 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:30:45 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:31:00 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:31:15 | 13.58 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:31:30 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:31:45 | 13.58 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:32:00 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:32:15 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:32:30 | 13.59 | 9.4 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:32:45 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:33:00 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:33:15 | 13.58 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:33:30 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:33:45 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:34:00 | 13.60 | 9.5 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:34:15 | 13.60 | 9.6 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:34:30 | 13.61 | 9.5 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:34:45 | 13.60 | 9.6 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:35:00 | 13.58 | 9.3 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:35:15 | 13.58 | 9.4 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:35:30 | 13.59 | 9.5 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:35:45 | 13.60 | 9.5 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:36:00 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:36:15 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:36:30 | 13.58 | 9.4 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:36:45 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:37:00 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:37:15 | 13.58 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:37:30 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:37:45 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:38:00 | 13.59 | 9.2 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:38:15 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:38:30 | 13.60 | 9.2 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:38:45 | 13.60 | 9.2 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:39:00 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:39:15 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:39:30 | 13.60 | 9.2 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:39:45 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:40:00 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:40:15 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:40:30 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:40:45 | 13.60 | 9.4 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:41:00 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run8 | 2/11/2021 | 18:41:15 | 13.60 | 9.0 | 0.2 | | | | | | | |
| run8 | 2/11/2021 | 18:41:30 | 13.60 | 9.1 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:41:45 | 13.61 | 9.2 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:42:00 | 13.60 | 9.2 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:42:15 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:42:30 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:42:45 | 13.60 | 9.3 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:43:00 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:43:15 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:43:30 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:43:45 | 13.61 | 9.4 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:44:00 | 13.60 | 9.4 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:44:15 | 13.61 | 9.5 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:44:30 | 13.59 | 9.5 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:44:45 | 13.62 | 9.6 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:45:00 | 13.60 | 9.6 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:45:15 | 13.61 | 9.5 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:45:30 | 13.60 | 9.5 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:45:45 | 13.60 | 9.5 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:46:00 | 13.60 | 9.5 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:46:15 | 13.60 | 9.5 | 0.0 | | | | | | | |
| run8 | 2/11/2021 | 18:46:30 | 13.59 | 9.5 | 0.1 | | | | | | | |
| run8 | 2/11/2021 | 18:46:45 | 13.60 | 9.4 | 0.1 | | | | | | | |
| averun8 | 2/11/2021 | 18:26:00 | 13.59 | 9.4 | 0.2 | | 21 | | | | | |
| scg3 | 2/11/2021 | 18:47:00 | 13.59 | 9.5 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:47:15 | 13.59 | 9.5 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:47:30 | 13.58 | 9.5 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:47:45 | 13.59 | 8.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:48:00 | 13.54 | 1.9 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:48:15 | 11.53 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:48:30 | 9.98 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:48:45 | 10.05 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 18:49:00 | 10.12 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 18:49:00 | 10.12 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 18:49:15 | 10.12 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:49:30 | 10.12 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:49:45 | 10.12 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:50:00 | 10.12 | 0.1 | -0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:50:15 | 10.11 | 4.6 | 2.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:50:30 | 8.28 | 8.2 | 6.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:50:45 | 3.84 | 8.9 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 18:51:00 | 1.09 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 18:51:00 | 1.09 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 18:51:00 | 1.09 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| scg1 | 2/11/2021 | 18:51:15 | 0.29 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:51:30 | 0.19 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:51:45 | 0.18 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:52:00 | 0.18 | 9.0 | 9.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:52:15 | 0.16 | 4.9 | 6.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:52:30 | 0.16 | 0.2 | 2.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:52:45 | 0.16 | 0.1 | 0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:53:00 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 18:53:15 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero2 | 2/11/2021 | 18:53:15 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero2 | 2/11/2021 | 18:53:15 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero2 | 2/11/2021 | 18:53:15 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run9 | 2/11/2021 | 18:55:00 | 13.54 | 9.2 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:55:15 | 13.55 | 9.2 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:55:30 | 13.56 | 9.2 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:55:45 | 13.57 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:56:00 | 13.56 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:56:15 | 13.56 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:56:30 | 13.57 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:56:45 | 13.57 | 9.5 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:57:00 | 13.57 | 9.5 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:57:15 | 13.57 | 9.6 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:57:30 | 13.58 | 9.6 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:57:45 | 13.58 | 9.6 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:58:00 | 13.58 | 9.6 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:58:15 | 13.59 | 9.5 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:58:30 | 13.59 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:58:45 | 13.59 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:59:00 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:59:15 | 13.59 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:59:30 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 18:59:45 | 13.59 | 9.2 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:00:00 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:00:15 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:00:30 | 13.60 | 9.2 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:00:45 | 13.60 | 9.1 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:01:00 | 13.61 | 9.1 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:01:15 | 13.59 | 9.2 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:01:30 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:01:45 | 13.59 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:02:00 | 13.58 | 9.5 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:02:15 | 13.58 | 9.6 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:02:30 | 13.59 | 9.6 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:02:45 | 13.58 | 9.6 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:03:00 | 13.58 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:03:15 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:03:30 | 13.58 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:03:45 | 13.59 | 9.4 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:04:00 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:04:15 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:04:30 | 13.59 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:04:45 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:05:00 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:05:15 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:05:30 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:05:45 | 13.59 | 9.3 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:06:00 | 13.59 | 9.2 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:06:15 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:06:30 | 13.61 | 9.1 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:06:45 | 13.61 | 9.2 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:07:00 | 13.60 | 9.2 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:07:15 | 13.60 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:07:30 | 13.60 | 9.3 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:07:45 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:08:00 | 13.59 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:08:15 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:08:30 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:08:45 | 13.60 | 9.4 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:09:00 | 13.60 | 9.4 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:09:15 | 13.61 | 9.4 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:09:30 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:09:45 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:10:00 | 13.61 | 9.3 | 0.3 | | | | | | | |
| run9 | 2/11/2021 | 19:10:15 | 13.61 | 9.1 | 0.2 | | | | | | | |
| run9 | 2/11/2021 | 19:10:30 | 13.61 | 9.1 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:10:45 | 13.60 | 9.2 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:11:00 | 13.60 | 9.3 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:11:15 | 13.60 | 9.5 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:11:30 | 13.60 | 9.6 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:11:45 | 13.60 | 9.6 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:12:00 | 13.60 | 9.7 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:12:15 | 13.59 | 9.6 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:12:30 | 13.58 | 9.5 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:12:45 | 13.59 | 9.5 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:13:00 | 13.59 | 9.6 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:13:15 | 13.59 | 9.6 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:13:30 | 13.59 | 9.6 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:13:45 | 13.59 | 9.6 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:14:00 | 13.59 | 9.6 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:14:15 | 13.60 | 9.5 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:14:30 | 13.60 | 9.5 | 0.1 | | | | | | | |
| run9 | 2/11/2021 | 19:14:45 | 13.59 | 9.4 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:15:00 | 13.59 | 9.4 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:15:15 | 13.58 | 9.3 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:15:30 | 13.58 | 9.3 | 0.0 | | | | | | | |
| run9 | 2/11/2021 | 19:15:45 | 13.58 | 9.3 | 0.0 | | | | | | | |
| averun9 | 2/11/2021 | 18:55:00 | 13.59 | 9.4 | 0.2 | 21 | | | | | | |
| scg3 | 2/11/2021 | 19:16:00 | 13.58 | 9.3 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:16:15 | 13.58 | 9.3 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:16:30 | 13.58 | 9.3 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:16:45 | 13.59 | 7.6 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:17:00 | 13.49 | 1.8 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:17:15 | 11.19 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:17:30 | 9.67 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:17:45 | 9.97 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/11/2021 | 19:18:00 | 10.10 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span2 | 2/11/2021 | 19:18:00 | 10.10 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/11/2021 | 19:18:15 | 10.11 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:18:30 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:18:45 | 10.10 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:19:00 | 10.10 | 0.1 | -0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:19:15 | 10.10 | 4.3 | 2.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:19:30 | 8.32 | 8.2 | 6.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:19:45 | 4.00 | 8.9 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:20:00 | 1.16 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/11/2021 | 19:20:15 | 0.28 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan2 | 2/11/2021 | 19:20:15 | 0.28 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan2 | 2/11/2021 | 19:20:15 | 0.28 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg1 | 2/11/2021 | 19:20:30 | 0.19 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 19:20:45 | 0.18 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/11/2021 | 19:21:00 | 0.16 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| scg1 | | 2/11/2021 | 19:21:15 | 0.16 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| scg1 | | 2/11/2021 | 19:21:30 | 0.14 | 6.3 | 7.2 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| scg1 | | 2/11/2021 | 19:21:45 | 0.15 | 0.2 | 3.3 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| scg1 | | 2/11/2021 | 19:22:00 | 0.15 | 0.1 | 0.6 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| scg1 | | 2/11/2021 | 19:22:15 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| o2zero2 | | 2/11/2021 | 19:22:15 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| noxzero2 | | 2/11/2021 | 19:22:15 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| cozero2 | | 2/11/2021 | 19:22:15 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 CO2 | 0 | 0 | 0 |
| so2zero | | | | | | | | | | | | |
| so2span | | | | | | | | | | | | |
| noxzero | | | | | | | | | | | | |
| noxspan | | | | | | | | | | | | |
| co2zero | | | | | | | | | | | | |
| co2span | | | | | | | | | | | | |
| o2zero | | | | | | | | | | | | |
| o2span | | | | | | | | | | | | |
| thczero | | | | | | | | | | | | |
| thcspan | | | | | | | | | | | | |
| cozero | | | | | | | | | | | | |
| cospan | | | | | | | | | | | | |
| so2ezero | Parameter Not Found | | | | | | | | | | | |
| so2mid | Parameter Not Found | | | | | | | | | | | |
| so2high | Parameter Not Found | | | | | | | | | | | |
| noxezero | Parameter Not Found | | | | | | | | | | | |
| noxlow | Parameter Not Found | | | | | | | | | | | |
| noxmid | Parameter Not Found | | | | | | | | | | | |
| noxhigh | Parameter Not Found | | | | | | | | | | | |
| co2ezero | Parameter Not Found | | | | | | | | | | | |
| co2mid | Parameter Not Found | | | | | | | | | | | |
| co2high | Parameter Not Found | | | | | | | | | | | |
| o2ezero | Parameter Not Found | | | | | | | | | | | |
| o2mid | Parameter Not Found | | | | | | | | | | | |
| o2high | Parameter Not Found | | | | | | | | | | | |
| thcezero | Parameter Not Found | | | | | | | | | | | |
| thclow | Parameter Not Found | | | | | | | | | | | |
| thcmid | Parameter Not Found | | | | | | | | | | | |
| thchigh | Parameter Not Found | | | | | | | | | | | |
| coezero | Parameter Not Found | | | | | | | | | | | |
| colow | Parameter Not Found | | | | | | | | | | | |
| comid | Parameter Not Found | | | | | | | | | | | |
| cohigh | Parameter Not Found | | | | | | | | | | | |
| End | | | | | | | | | | | | |

# Unit 4C HRSG

$NO_X$, CO, and $O_2$ Calculations of Average Emissions and Raw Data

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.08 % | 0.08 |
| 10.26 percent $O_2$ | 10.09 % | 10.11 % | 10.10 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.01 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 9.0 ppm | 8.92 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.00 |
| 9.4 ppm CO | 9.3 ppm | 9.2 ppm | 9.27 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.1 ppm $NO_X$ | **9.5** ppm $NO_X$ | DRY |
| 0.7 ppm CO | **0.7** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**8.0** NOxppm @ 15% O2 from O2
**0.6** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.00 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.08 % | 0.08 |
| 10.26 percent $O_2$ | 10.11 % | 10.12 % | 10.11 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.02 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.02 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.22 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.1 ppm $NO_X$ | **9.5** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.5** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**8.0** NOxppm @ 15% O2 from O2
**0.4** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.08 % | 0.08 |
| 10.26 percent $O_2$ | 10.12 % | 10.10 % | 10.11 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.03 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 8.9 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.3 ppm | 9.24 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.0 ppm $NO_X$ | **9.4** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.5** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.9** NOxppm @ 15% O2 from O2
**0.4** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.06 % | 0.07 |
| 10.26 percent $O_2$ | 10.10 % | 10.06 % | 10.08 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.93 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.01 |
| 9.4 ppm CO | 9.3 ppm | 9.2 ppm | 9.25 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.1 ppm $NO_X$ | **9.5** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.5** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.9** NOxppm @ 15% O2 from O2
**0.4** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.06 % | 0.06 % | 0.06 |
| 10.26 percent $O_2$ | 10.06 % | 10.06 % | 10.06 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.92 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.02 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.23 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.2 ppm $NO_X$ | **9.6** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.5** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**8.0** NOxppm @ 15% O2 from O2
**0.4** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.06 % | 0.06 % | 0.06 |
| 10.26 percent $O_2$ | 10.06 % | 10.07 % | 10.07 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.94 |
| 0.0 ppm CO | 0.0 ppm | 0.1 ppm | 0.06 |
| 9.4 ppm CO | 9.2 ppm | 9.3 ppm | 9.26 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.5 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.1 ppm $NO_X$ | **9.6** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**8.0** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.06 % | 0.07 % | 0.07 |
| 10.26 percent $O_2$ | 10.07 % | 10.15 % | 10.11 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.92 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.28 |

| Mean Reference Values: | Corrected Results: | Basis: |
|---|---|---|
| 13.6 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.0 ppm $NO_X$ | **9.4** ppm $NO_X$ | DRY |
| 0.5 ppm CO | **0.4** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.8** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.07 % | 0.07 % | 0.07 |
| 10.26 percent $O_2$ | 10.15 % | 10.15 % | 10.15 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 9.0 ppm | 8.94 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.27 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.9 ppm $NO_X$ | **9.3** ppm $NO_X$ | DRY |
| 0.4 ppm CO | **0.3** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.8** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C HRSG (EU -040)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.07 % | 0.05 % | 0.06 |
| 10.26 percent $O_2$ | 10.15 % | 10.13 % | 10.14 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.0 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.97 |
| 0.0 ppm CO | 0.1 ppm | 0.0 ppm | 0.05 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.26 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.9 ppm $NO_X$ | **9.3** ppm $NO_X$ | DRY |
| 0.3 ppm CO | **0.3** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.001** CO lb/MMBtu from O2

**7.8** NOxppm @ 15% O2 from O2
**0.3** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| filename | | 2/10/2021 | 7:10:33 | C:\RM\DATA\20210210.CSV | | | | | | | | | | | | | | | |
| testby1 | C.E.M. Solutions, Inc. | | | | | | | | | | | | | | | | | | |
| testby2 | 1183 E. Overdrive Circle | | | | | | | | | | | | | | | | | | |
| testby3 | Hernando, FL 34442 | | | | | | | | | | | | | | | | | | |
| testby4 | (352) 489-4337 | | | | | | | | | | | | | | | | | | |
| testfor1 | Duke Energy Florida | | | | | | | | | | | | | | | | | | |
| testfor2 | Bartow | | | | | | | | | | | | | | | | | | |
| testfor3 | 4C HRSG (EU -040) | | | | | | | | | | | | | | | | | | |
| testfor4 | RATA/Comp | | | | | | | | | | | | | | | | | | |
| name | | | | O2 4C H | | CO2 4C H | | NOx 4C H | | CO 4C H | | | | | | | | | |
| sn | | | | 01420D/3379 | | 01415D/3379 | | 934838563 | | 1336459888 | | | | | | | | | |
| offset | | | | 0 | | 0 | | 0 | | 0 | | | | | | | | | |
| fullscale | | | | 25 | | 25 | | 25 | | 25 | | | | | | | | | |
| train | | | | 1 | | 1 | | 1 | | 1 | | | | | | | | | |
| gastype | | | | o2 3a | | co2 3a | | nox 7e | | co 10 | | | | | | | | | |
| dcg1 | | 2/10/2021 | 7:11:00 | 20.28 | | -0.01 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:11:15 | 20.28 | | -0.01 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:11:30 | 8.75 | | -0.04 | | 0.0 | | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:11:45 | 0.15 | | -0.06 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:12:00 | 0.04 | | -0.07 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:12:15 | 0.01 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:12:30 | 0.01 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:12:45 | 0.00 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:13:00 | 0.00 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:13:15 | 0.00 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:13:30 | 0.00 | | -0.07 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:13:45 | -0.01 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:14:00 | -0.01 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:14:15 | -0.01 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:14:30 | -0.02 | | -0.07 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:14:45 | -0.02 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:15:45 | 19.92 | | -0.02 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:16:00 | 2.79 | | -0.06 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:16:15 | 0.02 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:16:30 | -0.01 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:16:45 | -0.02 | | -0.08 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:17:00 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:17:15 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:17:30 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg1 | | 2/10/2021 | 7:17:45 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2ezero1 | | 2/10/2021 | 7:17:45 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2ezero1 | | 2/10/2021 | 7:17:45 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxezero1 | | 2/10/2021 | 7:17:45 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| coezero1 | | 2/10/2021 | 7:17:45 | -0.03 | | -0.07 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:18:00 | -0.03 | | -0.07 | | 0.0 | | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:18:15 | 6.38 | | 3.16 | | 0.0 | | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:18:30 | 18.80 | | 14.90 | | 0.0 | | -0.3 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:18:45 | 20.55 | | 21.95 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:19:00 | 20.61 | | 22.51 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:19:15 | 20.61 | | 22.61 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:19:30 | 20.62 | | 22.69 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:19:45 | 20.62 | | 22.76 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:20:00 | 20.63 | | 22.82 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:20:15 | 20.63 | | 22.86 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:20:30 | 20.63 | | 22.92 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:20:45 | 20.64 | | 22.95 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:21:00 | 20.64 | | 22.97 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg2 | | 2/10/2021 | 7:21:15 | 20.65 | | 23.03 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| o2high1 | | 2/10/2021 | 7:21:15 | 20.65 | | 23.03 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| co2high1 | | 2/10/2021 | 7:21:15 | 20.65 | | 23.03 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:21:30 | 20.65 | | 23.08 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:21:45 | 12.76 | | 13.19 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:22:00 | 9.13 | | 8.61 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:22:15 | 9.88 | | 11.14 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:22:30 | 10.04 | | 11.73 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:22:45 | 10.05 | | 11.74 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:23:00 | 10.04 | | 11.73 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:23:15 | 10.04 | | 11.72 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:23:30 | 10.05 | | 11.71 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:23:45 | 10.14 | | 11.69 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg3 | | 2/10/2021 | 7:24:00 | 10.15 | | 11.68 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2mid1 | | 2/10/2021 | 7:24:00 | 10.15 | | 11.68 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2mid1 | | 2/10/2021 | 7:24:00 | 10.15 | | 11.68 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:24:15 | 10.14 | | 11.68 | | 0.0 | | -0.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:24:30 | 5.49 | | 6.64 | | 0.4 | | 0.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:24:45 | 0.25 | | 0.51 | | 3.1 | | 8.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:25:00 | 0.05 | | 0.34 | | 6.6 | | 17.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:25:15 | 0.01 | | 0.28 | | 20.5 | | 21.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:25:30 | 0.00 | | 0.23 | | 22.6 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:25:45 | 0.00 | | 0.20 | | 22.7 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:26:00 | -0.01 | | 0.17 | | 22.7 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:26:15 | -0.01 | | 0.14 | | 22.8 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:26:30 | -0.01 | | 0.12 | | 22.7 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:26:45 | -0.02 | | 0.10 | | 22.7 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:27:00 | -0.02 | | 0.08 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg4 | | 2/10/2021 | 7:27:15 | -0.02 | | 0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| noxhigh1 | | 2/10/2021 | 7:27:15 | -0.02 | | 0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| cohigh1 | | 2/10/2021 | 7:27:15 | -0.02 | | 0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:27:30 | -0.02 | | 0.05 | | 22.6 | | 22.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:27:45 | 0.04 | | 0.06 | | 22.5 | | 21.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:28:00 | 0.00 | | 0.02 | | 15.1 | | 16.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:28:15 | -0.02 | | 0.01 | | 9.9 | | 11.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:28:30 | -0.02 | | 0.00 | | 10.0 | | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:28:45 | -0.03 | | 0.00 | | 9.7 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:29:00 | -0.03 | | -0.01 | | 9.6 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:29:15 | -0.03 | | -0.01 | | 9.4 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:29:30 | -0.03 | | -0.02 | | 9.4 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| dcg5 | | 2/10/2021 | 7:29:45 | -0.03 | | -0.02 | | 9.3 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxmid1 | | 2/10/2021 | 7:29:45 | -0.03 | | -0.02 | | 9.3 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| comid1 | | 2/10/2021 | 7:29:45 | -0.03 | | -0.02 | | 9.3 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:30:30 | 19.09 | | 0.01 | | 6.1 | | 7.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:30:45 | 20.65 | | 0.01 | | 0.2 | | 3.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:31:00 | 20.66 | | 0.00 | | 0.2 | | 0.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:31:15 | 16.50 | | -0.01 | | 0.2 | | 0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:31:30 | 1.53 | | -0.04 | | 4.3 | | 2.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:31:45 | 0.33 | | -0.04 | | 8.8 | | 6.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:32:00 | 0.21 | | -0.05 | | 8.9 | | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:32:15 | 0.16 | | -0.04 | | 8.9 | | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:32:30 | 0.15 | | -0.05 | | 8.9 | | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:32:45 | 0.13 | | -0.05 | | 8.9 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:33:00 | 0.12 | | -0.05 | | 8.9 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:33:15 | 0.11 | | -0.05 | | 8.9 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | | 2/10/2021 | 7:33:30 | 0.11 | | -0.05 | | 8.9 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | | 2/10/2021 | 7:33:30 | 0.11 | | -0.05 | | 8.9 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | | 2/10/2021 | 7:33:30 | 0.11 | | -0.05 | | 8.9 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | | 2/10/2021 | 7:33:45 | 0.10 | | -0.05 | | 8.9 | | 9.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | | 2/10/2021 | 7:34:00 | 0.09 | | -0.05 | | 8.9 | | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | | 2/10/2021 | 7:34:15 | 0.09 | | -0.05 | | 8.9 | | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | | 2/10/2021 | 7:34:30 | 0.21 | | 0.00 | | 8.9 | | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | | 2/10/2021 | 7:34:45 | 7.41 | | 7.32 | | 7.0 | | 7.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | | 2/10/2021 | 7:35:00 | 9.95 | | 10.69 | | 1.3 | | 3.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | |
| scg3 | 2/10/2021 | 7:35:15 | 10.05 | 11.02 | 0.1 | 1.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/10/2021 | 7:35:30 | 10.07 | 11.13 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/10/2021 | 7:35:45 | 10.08 | 11.20 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/10/2021 | 7:36:00 | 10.08 | 11.25 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/10/2021 | 7:36:15 | 10.08 | 11.28 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/10/2021 | 7:36:30 | 10.09 | 11.32 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/10/2021 | 7:36:45 | 10.09 | 11.34 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span1 | 2/10/2021 | 7:36:45 | 10.09 | 11.34 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| co2span1 | 2/10/2021 | 7:36:45 | 10.09 | 11.34 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg1 | 2/10/2021 | 7:37:15 | 10.09 | 11.37 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:37:30 | 10.09 | 11.40 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:37:45 | 10.12 | 11.39 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:38:00 | 6.04 | 7.25 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:38:15 | 0.42 | 0.88 | 0.0 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:38:30 | 0.18 | 0.47 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:38:45 | 0.14 | 0.33 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:39:00 | 0.12 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:39:15 | 0.10 | 0.21 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:39:30 | 0.09 | 0.17 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:39:45 | 0.09 | 0.14 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/10/2021 | 7:40:00 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero1 | 2/10/2021 | 7:40:00 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| co2zero1 | 2/10/2021 | 7:40:00 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero1 | 2/10/2021 | 7:40:00 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero1 | 2/10/2021 | 7:40:00 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg6 | 2/10/2021 | 7:40:30 | 0.07 | 0.08 | 0.0 | 0.0 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:40:45 | 4.13 | 0.06 | 0.0 | 0.1 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:41:00 | 18.93 | 0.02 | 5.0 | 0.1 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:41:15 | 20.84 | 0.01 | 25.4 | 0.0 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:41:30 | 20.90 | 0.00 | 25.3 | -0.1 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:41:45 | 20.92 | -0.01 | 25.4 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:42:00 | 20.93 | -0.01 | 25.4 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:42:15 | 20.94 | -0.02 | 25.3 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:42:30 | 20.95 | -0.03 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:42:45 | 20.96 | -0.03 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:43:00 | 20.97 | -0.04 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:43:15 | 20.98 | -0.04 | 25.4 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:43:30 | 20.98 | -0.04 | 25.4 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:43:45 | 20.99 | -0.04 | 25.4 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:44:00 | 20.99 | -0.05 | 25.3 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:44:15 | 21.00 | -0.05 | 25.4 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:44:30 | 21.00 | -0.05 | 25.4 | -0.2 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg6 | 2/10/2021 | 7:44:45 | 21.00 | -0.05 | 25.3 | -0.1 | CC515122/cg6 | NOx | 51.65 | | | 0 | 0 |
| dcg1 | 2/10/2021 | 7:45:15 | 20.72 | -0.06 | 25.4 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:45:30 | 3.60 | -0.05 | 21.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:45:45 | 0.08 | -0.06 | 0.6 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:46:00 | 0.04 | -0.06 | 0.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:46:15 | 0.02 | -0.07 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:46:30 | 0.01 | -0.06 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:46:45 | 0.00 | -0.06 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:47:00 | 0.00 | -0.06 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:47:15 | 0.00 | -0.06 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:47:30 | -0.01 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:47:45 | -0.01 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:48:00 | -0.01 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:48:15 | -0.01 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:48:30 | -0.01 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:48:45 | -0.02 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:49:00 | -0.02 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:49:15 | -0.02 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:49:30 | -0.02 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:49:45 | -0.02 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:50:00 | -0.02 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:50:15 | -0.03 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:50:30 | -0.03 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:50:45 | -0.03 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:51:00 | -0.04 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:51:15 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:51:30 | -0.03 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:51:45 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:52:00 | -0.03 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:52:15 | -0.04 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:52:30 | -0.04 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:52:45 | -0.04 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:53:00 | -0.03 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:53:15 | -0.03 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:53:30 | -0.04 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:53:45 | -0.04 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/10/2021 | 7:54:00 | -0.04 | -0.07 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run1 | 2/10/2021 | 8:25:00 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:25:15 | 13.62 | 4.05 | 9.1 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:25:30 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:25:45 | 13.62 | 4.05 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:26:00 | 13.64 | 4.04 | 9.1 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:26:15 | 13.64 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:26:30 | 13.64 | 4.04 | 9.1 | 0.4 | | | | | | | |
| run1 | 2/10/2021 | 8:26:45 | 13.65 | 4.04 | 8.8 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:27:00 | 13.63 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:27:15 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:27:30 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:27:45 | 13.64 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:28:00 | 13.64 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:28:15 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:28:30 | 13.65 | 4.04 | 9.0 | 0.4 | | | | | | | |
| run1 | 2/10/2021 | 8:28:45 | 13.65 | 4.04 | 9.1 | 0.4 | | | | | | | |
| run1 | 2/10/2021 | 8:29:00 | 13.65 | 4.04 | 9.0 | 0.4 | | | | | | | |
| run1 | 2/10/2021 | 8:29:15 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:29:30 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:29:45 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:30:00 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:30:15 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:30:30 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:30:45 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:31:00 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:31:15 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:31:30 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:31:45 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:32:00 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:32:15 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:32:30 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:32:45 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | |
| run1 | 2/10/2021 | 8:33:00 | 13.83 | 3.94 | 9.0 | 2.1 | | | | | | | |
| run1 | 2/10/2021 | 8:33:15 | 13.68 | 4.02 | 8.9 | 5.0 | | | | | | | |
| run1 | 2/10/2021 | 8:33:30 | 13.66 | 4.03 | 8.9 | 3.6 | | | | | | | |
| run1 | 2/10/2021 | 8:33:45 | 13.66 | 4.03 | 8.9 | 1.2 | | | | | | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run1 | 2/10/2021 | 8:34:00 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:34:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:34:30 | 13.65 | 4.04 | 9.0 | 0.4 | | | | | | | | | |
| run1 | 2/10/2021 | 8:34:45 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:35:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:35:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:35:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:35:45 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:36:00 | 13.65 | 4.04 | 9.1 | 0.4 | | | | | | | | | |
| run1 | 2/10/2021 | 8:36:15 | 13.65 | 4.04 | 9.1 | 0.4 | | | | | | | | | |
| run1 | 2/10/2021 | 8:36:30 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:36:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:37:00 | 13.65 | 4.04 | 9.1 | 0.4 | | | | | | | | | |
| run1 | 2/10/2021 | 8:37:15 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:37:30 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:37:45 | 13.65 | 4.04 | 9.2 | 0.4 | | | | | | | | | |
| run1 | 2/10/2021 | 8:38:00 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:38:15 | 13.65 | 4.03 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:38:30 | 13.66 | 4.03 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:38:45 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:39:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:39:15 | 13.66 | 4.03 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:39:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:39:45 | 13.86 | 3.94 | 9.2 | 0.8 | | | | | | | | | |
| run1 | 2/10/2021 | 8:40:00 | 13.75 | 3.98 | 9.1 | 4.6 | | | | | | | | | |
| run1 | 2/10/2021 | 8:40:15 | 13.66 | 4.03 | 8.9 | 4.2 | | | | | | | | | |
| run1 | 2/10/2021 | 8:40:30 | 13.66 | 4.04 | 9.0 | 1.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:40:45 | 13.65 | 4.04 | 9.0 | 0.6 | | | | | | | | | |
| run1 | 2/10/2021 | 8:41:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:41:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:41:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:41:45 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:42:00 | 13.64 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:42:15 | 13.64 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:42:30 | 13.65 | 4.04 | 9.2 | 0.4 | | | | | | | | | |
| run1 | 2/10/2021 | 8:42:45 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:43:00 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:43:15 | 13.65 | 4.04 | 9.3 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:43:30 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:43:45 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:44:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:44:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:44:30 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:44:45 | 13.66 | 4.03 | 9.0 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:45:00 | 13.67 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:45:15 | 13.66 | 4.03 | 9.1 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:45:30 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run1 | 2/10/2021 | 8:45:45 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| averun1 | 2/10/2021 | 8:25:00 | 13.66 | 4.04 | 9.1 | 0.7 | | | 21 | | | | | | |
| scg5 | 2/10/2021 | 8:46:00 | 13.66 | 4.04 | 9.2 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:46:15 | 13.66 | 4.04 | 9.1 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:46:30 | 13.66 | 4.04 | 9.2 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:46:45 | 13.29 | 3.87 | 9.2 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:47:00 | 3.60 | 0.82 | 7.4 | 1.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:47:15 | 0.33 | 0.19 | 5.2 | 4.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:47:30 | 0.19 | 0.12 | 8.2 | 8.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:47:45 | 0.15 | 0.08 | 9.0 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:48:00 | 0.13 | 0.06 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:48:15 | 0.12 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 8:48:30 | 0.11 | 0.03 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/10/2021 | 8:48:15 | 0.12 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/10/2021 | 8:48:15 | 0.12 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:48:45 | 0.11 | 0.02 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:49:00 | 0.10 | 0.00 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:49:15 | 0.09 | 0.00 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:49:30 | 0.31 | 0.10 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:49:45 | 7.60 | 7.31 | 6.8 | 7.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:50:00 | 9.93 | 10.54 | 1.2 | 3.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:50:15 | 10.07 | 11.06 | 0.1 | 0.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:50:30 | 10.09 | 11.17 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:50:45 | 10.09 | 11.23 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:51:00 | 10.10 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:51:15 | 10.11 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 8:51:30 | 10.11 | 11.34 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/10/2021 | 8:51:30 | 10.11 | 11.34 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/10/2021 | 8:51:30 | 10.11 | 11.34 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:51:45 | 10.11 | 11.37 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:52:00 | 10.11 | 11.38 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:52:15 | 10.11 | 11.40 | 0.0 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:52:30 | 9.14 | 10.42 | 0.0 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:52:45 | 1.16 | 1.85 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:53:00 | 0.22 | 0.54 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:53:15 | 0.15 | 0.37 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:53:30 | 0.12 | 0.28 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:53:45 | 0.11 | 0.22 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:54:00 | 0.10 | 0.18 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:54:15 | 0.09 | 0.15 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 8:54:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero1 | 2/10/2021 | 8:54:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2zero1 | 2/10/2021 | 8:54:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero1 | 2/10/2021 | 8:54:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero1 | 2/10/2021 | 8:54:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run2 | 2/10/2021 | 9:03:00 | 13.66 | 4.03 | 9.4 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:03:15 | 13.66 | 4.03 | 9.3 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:03:30 | 13.66 | 4.03 | 9.3 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:03:45 | 13.66 | 4.03 | 9.2 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:04:00 | 13.66 | 4.03 | 9.1 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:04:15 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:04:30 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:04:45 | 13.66 | 4.03 | 9.2 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:05:00 | 13.64 | 4.04 | 9.1 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:05:15 | 13.67 | 4.03 | 9.2 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:05:30 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:05:45 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:06:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:06:15 | 13.66 | 4.03 | 9.3 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:06:30 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:06:45 | 13.66 | 4.04 | 9.2 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:07:00 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:07:15 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:07:30 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:07:45 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:08:00 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | | |
| run2 | 2/10/2021 | 9:08:15 | 13.66 | 4.04 | 9.2 | 0.4 | | | | | | | | | |
| run2 | 2/10/2021 | 9:08:30 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run2 | 2/10/2021 | 9:08:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:09:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:09:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:09:30 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:09:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:10:00 | 13.66 | 4.03 | 9.1 | 0.4 | | | | | | | | |
| run2 | 2/10/2021 | 9:10:15 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:10:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:10:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:11:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:11:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:11:30 | 13.66 | 4.03 | 9.1 | 0.4 | | | | | | | | |
| run2 | 2/10/2021 | 9:11:45 | 13.67 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:12:00 | 13.67 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:12:15 | 13.67 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:12:30 | 13.67 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:12:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:13:00 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:13:15 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:13:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:13:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:14:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:14:15 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:14:30 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:14:45 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:15:00 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:15:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:15:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:15:45 | 13.66 | 4.04 | 9.1 | 0.4 | | | | | | | | |
| run2 | 2/10/2021 | 9:16:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:16:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:16:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:16:45 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:17:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:17:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:17:30 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:17:45 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:18:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:18:15 | 13.66 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:18:30 | 13.66 | 4.04 | 8.5 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:18:45 | 13.66 | 4.04 | 8.6 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:19:00 | 13.66 | 4.03 | 8.7 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:19:15 | 13.66 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:19:30 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:19:45 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:20:00 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:20:15 | 13.66 | 4.04 | 9.2 | 0.4 | | | | | | | | |
| run2 | 2/10/2021 | 9:20:30 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:20:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:21:00 | 13.66 | 4.04 | 9.1 | 0.4 | | | | | | | | |
| run2 | 2/10/2021 | 9:21:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:21:30 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:21:45 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | |
| run2 | 2/10/2021 | 9:22:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:22:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:22:30 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | |
| run2 | 2/10/2021 | 9:22:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:23:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:23:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:23:30 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run2 | 2/10/2021 | 9:23:45 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| averun2 | 2/10/2021 | 9:03:00 | 13.66 | 4.04 | 9.1 | 0.5 | 21 | | | | | | | |
| scg5 | 2/10/2021 | 9:24:00 | 13.66 | 4.04 | 9.0 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:24:15 | 13.66 | 4.04 | 9.0 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:24:30 | 13.66 | 4.04 | 9.1 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:24:45 | 12.35 | 3.62 | 9.0 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:25:00 | 2.22 | 0.61 | 6.6 | 1.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:25:15 | 0.30 | 0.19 | 7.0 | 5.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:25:30 | 0.18 | 0.12 | 8.6 | 8.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:25:45 | 0.15 | 0.08 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:26:00 | 0.13 | 0.06 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:26:15 | 0.12 | 0.04 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 9:26:30 | 0.11 | 0.03 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/10/2021 | 9:26:30 | 0.11 | 0.03 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/10/2021 | 9:26:15 | 0.12 | 0.04 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:26:45 | 0.10 | 0.02 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:27:00 | 0.09 | 0.01 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:27:15 | 0.09 | 0.00 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:27:30 | 0.50 | 0.23 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:27:45 | 8.13 | 8.21 | 6.4 | 7.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:28:00 | 10.00 | 10.81 | 0.9 | 3.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:28:15 | 10.08 | 11.09 | 0.1 | 0.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:28:30 | 10.09 | 11.19 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:28:45 | 10.10 | 11.25 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:29:00 | 10.10 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:29:15 | 10.11 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 9:29:30 | 10.12 | 11.35 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/10/2021 | 9:29:30 | 10.12 | 11.35 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/10/2021 | 9:29:15 | 10.11 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:29:45 | 10.12 | 11.38 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:30:00 | 10.12 | 11.40 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:30:15 | 10.12 | 11.42 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:30:30 | 8.41 | 9.85 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:30:45 | 0.86 | 1.49 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:31:00 | 0.22 | 0.53 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:31:15 | 0.14 | 0.36 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:31:30 | 0.11 | 0.27 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:31:45 | 0.10 | 0.22 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:32:00 | 0.09 | 0.18 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 9:32:15 | 0.08 | 0.15 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/10/2021 | 9:32:15 | 0.08 | 0.15 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/10/2021 | 9:32:15 | 0.08 | 0.15 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/10/2021 | 9:32:15 | 0.08 | 0.15 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/10/2021 | 9:32:15 | 0.08 | 0.15 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run3 | 2/10/2021 | 9:36:00 | 13.62 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:36:15 | 13.63 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:36:30 | 13.63 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:36:45 | 13.63 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:37:00 | 13.63 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:37:15 | 13.64 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:37:30 | 13.64 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:37:45 | 13.64 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:38:00 | 13.65 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:38:15 | 13.65 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run3 | 2/10/2021 | 9:38:30 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run3 | 2/10/2021 | 9:38:45 | 13.65 | 4.03 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:39:00 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:39:15 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:39:30 | 13.65 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:39:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:40:00 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:40:15 | 13.66 | 4.03 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:40:30 | 13.67 | 4.03 | 8.7 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:40:45 | 13.65 | 4.04 | 8.7 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:41:00 | 13.64 | 4.05 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:41:15 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:41:30 | 13.65 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:41:45 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:42:00 | 13.65 | 4.03 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:42:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:42:30 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:42:45 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | | |
| run3 | 2/10/2021 | 9:43:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:43:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:43:30 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:43:45 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | | |
| run3 | 2/10/2021 | 9:44:00 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:44:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:44:30 | 13.67 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:44:45 | 13.67 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:45:00 | 13.67 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:45:15 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:45:30 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:45:45 | 13.66 | 4.04 | 9.0 | 0.4 | | | | | | | | | |
| run3 | 2/10/2021 | 9:46:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:46:15 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:46:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:46:45 | 13.66 | 4.04 | 9.4 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:47:00 | 13.66 | 4.03 | 9.4 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:47:15 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:47:30 | 13.66 | 4.04 | 9.3 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:47:45 | 13.66 | 4.03 | 9.2 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:48:00 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:48:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:48:30 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:48:45 | 13.66 | 4.03 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:49:00 | 13.66 | 4.04 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:49:15 | 13.66 | 4.03 | 9.0 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:49:30 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:49:45 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:50:00 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:50:15 | 13.67 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:50:30 | 13.65 | 4.03 | 8.8 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:50:45 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:51:00 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:51:15 | 13.66 | 4.04 | 8.6 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:51:30 | 13.66 | 4.04 | 8.7 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:51:45 | 13.65 | 4.04 | 8.8 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:52:00 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:52:15 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:52:30 | 13.65 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:52:45 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:53:00 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:53:15 | 13.66 | 4.03 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:53:30 | 13.67 | 4.04 | 8.8 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:53:45 | 13.66 | 4.04 | 8.8 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:54:00 | 13.65 | 4.04 | 8.8 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:54:15 | 13.66 | 4.04 | 8.8 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:54:30 | 13.66 | 4.03 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:54:45 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:55:00 | 13.66 | 4.04 | 8.9 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:55:15 | 13.66 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:55:30 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:55:45 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:56:00 | 13.66 | 4.04 | 9.2 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:56:15 | 13.66 | 4.04 | 9.2 | 0.6 | | | | | | | | | |
| run3 | 2/10/2021 | 9:56:30 | 13.67 | 4.04 | 9.1 | 0.5 | | | | | | | | | |
| run3 | 2/10/2021 | 9:56:45 | 13.67 | 4.04 | 8.8 | 0.5 | | | | | | | | | |
| averun3 | 2/10/2021 | 9:36:00 | 13.66 | 4.04 | 9.0 | 0.5 | 21 | | | | | | | | |
| scg5 | 2/10/2021 | 9:57:00 | 13.65 | 4.04 | 8.8 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:57:15 | 13.64 | 4.04 | 8.9 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:57:30 | 13.65 | 4.04 | 9.2 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:57:45 | 12.61 | 3.72 | 9.2 | 0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:58:00 | 2.04 | 0.66 | 7.5 | 1.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:58:15 | 0.24 | 0.18 | 7.5 | 5.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:58:30 | 0.16 | 0.12 | 8.8 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:58:45 | 0.14 | 0.09 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:59:00 | 0.12 | 0.07 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:59:15 | 0.11 | 0.05 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:59:30 | 0.11 | 0.04 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 9:59:45 | 0.10 | 0.02 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/10/2021 | 9:59:45 | 0.10 | 0.02 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/10/2021 | 9:59:45 | 0.10 | 0.02 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:00:00 | 0.09 | 0.01 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:00:15 | 0.09 | 0.01 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:00:30 | 0.09 | 0.00 | 8.9 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:00:45 | 0.55 | 0.26 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:01:00 | 8.23 | 8.38 | 7.0 | 7.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:01:15 | 10.00 | 10.85 | 0.3 | 3.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:01:30 | 10.07 | 11.10 | 0.1 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:01:45 | 10.08 | 11.19 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:02:00 | 10.08 | 11.25 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:02:15 | 10.09 | 11.30 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:02:30 | 10.10 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:02:45 | 10.10 | 11.36 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:03:00 | 10.10 | 11.38 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 10:03:15 | 10.10 | 11.39 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/10/2021 | 10:02:45 | 10.10 | 11.36 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/10/2021 | 10:02:30 | 10.10 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:03:30 | 10.11 | 11.42 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:03:45 | 10.11 | 11.44 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:04:00 | 10.11 | 11.45 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:04:15 | 9.31 | 10.79 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:04:30 | 1.35 | 2.17 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:04:45 | 0.22 | 0.58 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:05:00 | 0.14 | 0.38 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:05:15 | 0.11 | 0.29 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:05:30 | 0.10 | 0.24 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:05:45 | 0.09 | 0.19 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 10:06:00 | 0.08 | 0.16 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg1 | 2/10/2021 | 10:06:15 | 0.08 | 0.14 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:06:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/10/2021 | 10:06:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/10/2021 | 10:06:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/10/2021 | 10:06:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/10/2021 | 10:06:30 | 0.08 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run4 | 2/10/2021 | 10:09:00 | 13.60 | 4.00 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:09:15 | 13.60 | 4.01 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:09:30 | 13.61 | 4.00 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:09:45 | 13.61 | 4.01 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:10:00 | 13.62 | 4.02 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:10:15 | 13.62 | 4.02 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:10:30 | 13.62 | 4.02 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:10:45 | 13.63 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:11:00 | 13.64 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:11:15 | 13.64 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:11:30 | 13.65 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:11:45 | 13.64 | 4.03 | 9.0 | 0.6 | | | | | | | | |
| run4 | 2/10/2021 | 10:12:00 | 13.64 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:12:15 | 13.65 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:12:30 | 13.64 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:12:45 | 13.64 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:13:00 | 13.64 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:13:15 | 13.62 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:13:30 | 13.55 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:13:45 | 13.54 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:14:00 | 13.53 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:14:15 | 13.53 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:14:30 | 13.53 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:14:45 | 13.53 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:15:00 | 13.53 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:15:15 | 13.53 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:15:30 | 13.54 | 4.04 | 9.3 | 0.6 | | | | | | | | |
| run4 | 2/10/2021 | 10:15:45 | 13.53 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:16:00 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:16:15 | 13.53 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:16:30 | 13.53 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:16:45 | 13.53 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:17:00 | 13.54 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:17:15 | 13.54 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:17:30 | 13.55 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:17:45 | 13.54 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:18:00 | 13.54 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:18:15 | 13.53 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:18:30 | 13.54 | 4.05 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:18:45 | 13.54 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:19:00 | 13.54 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:19:15 | 13.54 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:19:30 | 13.54 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:19:45 | 13.54 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:20:00 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:20:15 | 13.54 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:20:30 | 13.53 | 4.05 | 9.4 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:20:45 | 13.53 | 4.04 | 9.4 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:21:00 | 13.53 | 4.05 | 9.4 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:21:15 | 13.54 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:21:30 | 13.55 | 4.03 | 9.1 | 0.6 | | | | | | | | |
| run4 | 2/10/2021 | 10:21:45 | 13.55 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:22:00 | 13.54 | 4.04 | 8.8 | 0.6 | | | | | | | | |
| run4 | 2/10/2021 | 10:22:15 | 13.54 | 4.04 | 9.2 | 0.6 | | | | | | | | |
| run4 | 2/10/2021 | 10:22:30 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:22:45 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:23:00 | 13.55 | 4.04 | 9.1 | 0.6 | | | | | | | | |
| run4 | 2/10/2021 | 10:23:15 | 13.55 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:23:30 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:23:45 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:24:00 | 13.54 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:24:15 | 13.55 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:24:30 | 13.54 | 4.04 | 8.7 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:24:45 | 13.55 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:25:00 | 13.55 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:25:15 | 13.55 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:25:30 | 13.55 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:25:45 | 13.54 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:26:00 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:26:15 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:26:30 | 13.54 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:26:45 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:27:00 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:27:15 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:27:30 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:27:45 | 13.54 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:28:00 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:28:15 | 13.55 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:28:30 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:28:45 | 13.54 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:29:00 | 13.55 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:29:15 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:29:30 | 13.54 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run4 | 2/10/2021 | 10:29:45 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| averun4 | 2/10/2021 | 10:09:00 | 13.56 | 4.04 | 9.1 | 0.5 | 21 | | | | | | | |
| scg3 | 2/10/2021 | 10:30:00 | 13.55 | 4.04 | 9.1 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:30:15 | 13.55 | 4.03 | 9.2 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:30:30 | 13.54 | 4.04 | 9.2 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:30:45 | 13.54 | 4.04 | 9.2 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:31:00 | 11.26 | 7.57 | 8.6 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:31:15 | 10.10 | 10.88 | 1.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:31:30 | 10.06 | 11.20 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:31:45 | 10.07 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:32:00 | 10.06 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:32:15 | 10.06 | 11.35 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 10:32:30 | 10.06 | 11.38 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/10/2021 | 10:32:30 | 10.06 | 11.38 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/10/2021 | 10:32:00 | 10.06 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:32:45 | 10.06 | 11.40 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:33:00 | 10.06 | 11.42 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:33:15 | 10.06 | 11.43 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:33:30 | 9.93 | 11.37 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:33:45 | 2.62 | 3.70 | 1.5 | 0.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:34:00 | 0.26 | 0.64 | 6.1 | 4.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:34:15 | 0.16 | 0.40 | 8.7 | 7.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:34:30 | 0.14 | 0.31 | 8.8 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:34:45 | 0.13 | 0.25 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:35:00 | 0.11 | 0.21 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:35:15 | 0.11 | 0.17 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg5 | 2/10/2021 | 10:35:30 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 10:35:45 | 0.09 | 0.12 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/10/2021 | 10:35:45 | 0.09 | 0.12 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/10/2021 | 10:35:30 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:36:00 | 0.09 | 0.10 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:36:15 | 0.08 | 0.07 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:36:30 | 0.08 | 0.07 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:36:45 | 0.08 | 0.06 | 8.9 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:37:00 | 0.08 | 0.05 | 7.2 | 7.8 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:37:15 | 0.07 | 0.03 | 0.3 | 3.8 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:37:30 | 0.07 | 0.03 | 0.1 | 0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:37:45 | 0.07 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:38:00 | 0.06 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:38:15 | 0.06 | 0.00 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:38:30 | 0.06 | 0.00 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 10:38:45 | 0.06 | -0.01 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/10/2021 | 10:38:30 | 0.06 | 0.00 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/10/2021 | 10:38:30 | 0.06 | 0.00 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/10/2021 | 10:38:30 | 0.06 | 0.00 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/10/2021 | 10:38:30 | 0.06 | 0.00 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run5 | 2/10/2021 | 10:41:00 | 13.48 | 3.95 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:41:15 | 13.49 | 3.96 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:41:30 | 13.50 | 3.97 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:41:45 | 13.50 | 3.99 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:42:00 | 13.50 | 3.98 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:42:15 | 13.50 | 4.00 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:42:30 | 13.50 | 4.00 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:42:45 | 13.51 | 4.01 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:43:00 | 13.52 | 4.01 | 8.9 | 0.6 | | | | | | | | |
| run5 | 2/10/2021 | 10:43:15 | 13.52 | 4.01 | 9.0 | 0.6 | | | | | | | | |
| run5 | 2/10/2021 | 10:43:30 | 13.52 | 4.02 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:43:45 | 13.52 | 4.02 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:44:00 | 13.52 | 4.02 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:44:15 | 13.53 | 4.02 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:44:30 | 13.53 | 4.02 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:44:45 | 13.54 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:45:00 | 13.54 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:45:15 | 13.54 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:45:30 | 13.54 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:45:45 | 13.54 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:46:00 | 13.54 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:46:15 | 13.54 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:46:30 | 13.53 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:46:45 | 13.54 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:47:00 | 13.53 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:47:15 | 13.55 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:47:30 | 13.53 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:47:45 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:48:00 | 13.54 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:48:15 | 13.53 | 4.04 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:48:30 | 13.54 | 4.04 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:48:45 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:49:00 | 13.54 | 4.04 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:49:15 | 13.55 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:49:30 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:49:45 | 13.55 | 4.03 | 8.9 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:50:00 | 13.55 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:50:15 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:50:30 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:50:45 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:51:00 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:51:15 | 13.54 | 4.04 | 9.2 | 0.6 | | | | | | | | |
| run5 | 2/10/2021 | 10:51:30 | 13.55 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:51:45 | 13.55 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:52:00 | 13.53 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:52:15 | 13.55 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:52:30 | 13.55 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:52:45 | 13.55 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:53:00 | 13.55 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:53:15 | 13.55 | 4.04 | 9.4 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:53:30 | 13.55 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:53:45 | 13.56 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:54:00 | 13.56 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:54:15 | 13.56 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:54:30 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:54:45 | 13.56 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:55:00 | 13.56 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:55:15 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:55:30 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:55:45 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:56:00 | 13.55 | 4.03 | 8.5 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:56:15 | 13.55 | 4.04 | 8.8 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:56:30 | 13.55 | 4.04 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:56:45 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:57:00 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:57:15 | 13.56 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:57:30 | 13.57 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:57:45 | 13.56 | 4.03 | 8.9 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:58:00 | 13.56 | 4.03 | 8.9 | 0.6 | | | | | | | | |
| run5 | 2/10/2021 | 10:58:15 | 13.56 | 4.03 | 8.8 | 0.6 | | | | | | | | |
| run5 | 2/10/2021 | 10:58:30 | 13.55 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:58:45 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:59:00 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:59:15 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:59:30 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 10:59:45 | 13.55 | 4.03 | 9.2 | 0.6 | | | | | | | | |
| run5 | 2/10/2021 | 11:00:00 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 11:00:15 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 11:00:30 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 11:00:45 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 11:01:00 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 11:01:15 | 13.55 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 11:01:30 | 13.54 | 4.04 | 9.2 | 0.5 | | | | | | | | |
| run5 | 2/10/2021 | 11:01:45 | 13.55 | 4.04 | 9.3 | 0.5 | | | | | | | | |
| averun5 | 2/10/2021 | 10:41:00 | 13.54 | 4.03 | 9.2 | 0.5 | 21 | | | | | | | |
| scg3 | 2/10/2021 | 11:02:00 | 13.55 | 4.04 | 9.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:02:15 | 13.55 | 4.03 | 9.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:02:30 | 13.55 | 4.03 | 9.3 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:02:45 | 11.20 | 3.99 | 9.1 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:03:00 | 9.85 | 9.82 | 3.7 | 0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:03:15 | 10.05 | 11.07 | 0.2 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:03:30 | 10.06 | 11.23 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:03:45 | 10.07 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:04:00 | 10.07 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:04:15 | 10.06 | 11.36 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg3 | 2/10/2021 | 11:04:30 | 10.06 | 11.38 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/10/2021 | 11:04:30 | 10.06 | 11.38 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/10/2021 | 11:04:00 | 10.07 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:04:45 | 10.06 | 11.40 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:05:00 | 10.06 | 11.42 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:05:15 | 10.06 | 11.44 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:05:30 | 9.33 | 10.83 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:05:45 | 1.40 | 2.24 | 2.4 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:06:00 | 0.21 | 0.56 | 7.1 | 5.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:06:15 | 0.15 | 0.38 | 8.8 | 8.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:06:30 | 0.14 | 0.30 | 8.8 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:06:45 | 0.13 | 0.24 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:07:00 | 0.12 | 0.20 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:07:15 | 0.11 | 0.17 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:07:30 | 0.10 | 0.14 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:07:45 | 0.10 | 0.12 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/10/2021 | 11:07:45 | 0.10 | 0.12 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/10/2021 | 11:07:45 | 0.10 | 0.12 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:08:00 | 0.09 | 0.10 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:08:15 | 0.08 | 0.08 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:08:30 | 0.08 | 0.07 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:08:45 | 0.08 | 0.06 | 8.9 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:09:00 | 0.08 | 0.05 | 6.3 | 7.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:09:15 | 0.07 | 0.03 | 0.2 | 3.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:09:30 | 0.07 | 0.02 | 0.1 | 0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:09:45 | 0.06 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:10:00 | 0.06 | 0.01 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/10/2021 | 11:10:00 | 0.06 | 0.01 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/10/2021 | 11:10:00 | 0.06 | 0.01 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/10/2021 | 11:10:00 | 0.06 | 0.01 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/10/2021 | 11:10:00 | 0.06 | 0.01 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run6 | 2/10/2021 | 11:13:00 | 13.49 | 3.98 | 9.2 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:13:15 | 13.50 | 3.99 | 9.2 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:13:30 | 13.50 | 3.99 | 9.3 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:13:45 | 13.51 | 4.00 | 9.3 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:14:00 | 13.51 | 4.00 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:14:15 | 13.52 | 4.00 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:14:30 | 13.52 | 4.01 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:14:45 | 13.52 | 4.01 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:15:00 | 13.52 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:15:15 | 13.53 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:15:30 | 13.53 | 4.02 | 9.3 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:15:45 | 13.53 | 4.02 | 9.3 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:16:00 | 13.54 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:16:15 | 13.54 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:16:30 | 13.53 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:16:45 | 13.55 | 4.02 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:17:00 | 13.53 | 4.02 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:17:15 | 13.54 | 4.02 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:17:30 | 13.54 | 4.02 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:17:45 | 13.54 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:18:00 | 13.55 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:18:15 | 13.55 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:18:30 | 13.55 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:18:45 | 13.57 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:19:00 | 13.55 | 4.03 | 8.9 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:19:15 | 13.55 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:19:30 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:19:45 | 13.55 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:20:00 | 13.55 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:20:15 | 13.55 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:20:30 | 13.55 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:20:45 | 13.55 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:21:00 | 13.55 | 4.03 | 8.9 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:21:15 | 13.55 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:21:30 | 13.56 | 4.03 | 9.5 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:21:45 | 13.56 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:22:00 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:22:15 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:22:30 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:22:45 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:23:00 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:23:15 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:23:30 | 13.56 | 4.02 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:23:45 | 13.56 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:24:00 | 13.57 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:24:15 | 13.57 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:24:30 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:24:45 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:25:00 | 13.57 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:25:15 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:25:30 | 13.56 | 4.03 | 9.3 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:25:45 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:26:00 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:26:15 | 13.56 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:26:30 | 13.54 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:26:45 | 13.56 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:27:00 | 13.55 | 4.03 | 8.9 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:27:15 | 13.55 | 4.04 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:27:30 | 13.55 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:27:45 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:28:00 | 13.55 | 4.03 | 9.2 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:28:15 | 13.56 | 4.03 | 8.8 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:28:30 | 13.56 | 4.03 | 8.5 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:28:45 | 13.55 | 4.04 | 8.7 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:29:00 | 13.55 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:29:15 | 13.55 | 4.04 | 8.9 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:29:30 | 13.56 | 4.03 | 9.0 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:29:45 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:30:00 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:30:15 | 13.57 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:30:30 | 13.57 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:30:45 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:31:00 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:31:15 | 13.57 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:31:30 | 13.57 | 4.03 | 9.0 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:31:45 | 13.57 | 4.03 | 9.1 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:32:00 | 13.56 | 4.03 | 9.1 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:32:15 | 13.56 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:32:30 | 13.56 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:32:45 | 13.56 | 4.03 | 9.1 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:33:00 | 13.55 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:33:15 | 13.56 | 4.03 | 9.2 | 0.4 | | | | | | | | |
| run6 | 2/10/2021 | 11:33:30 | 13.57 | 4.03 | 9.1 | 0.5 | | | | | | | | |
| run6 | 2/10/2021 | 11:33:45 | 13.56 | 4.03 | 8.9 | 0.5 | | | | | | | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run6 | 2/10/2021 | 11:34:00 | 13.56 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| averun6 | 2/10/2021 | 11:13:00 | 13.55 | 4.03 | 9.1 | 0.5 | | | 21 | | | | | |
| scg3 | 2/10/2021 | 11:34:15 | 13.56 | 4.03 | 9.0 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:34:30 | 13.55 | 4.03 | 9.0 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:34:45 | 13.56 | 4.03 | 9.0 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:35:00 | 11.99 | 4.05 | 8.9 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:35:15 | 9.97 | 9.68 | 4.2 | 0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:35:30 | 10.08 | 11.06 | 0.3 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:35:45 | 10.08 | 11.22 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:36:00 | 10.07 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:36:15 | 10.07 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 11:36:30 | 10.07 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/10/2021 | 11:36:30 | 10.07 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/10/2021 | 11:36:15 | 10.07 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:37:00 | 10.07 | 11.40 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:37:15 | 10.07 | 11.42 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:37:30 | 10.06 | 11.43 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:37:45 | 5.10 | 6.46 | 0.6 | -0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:38:00 | 0.33 | 0.77 | 5.4 | 3.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:38:15 | 0.17 | 0.43 | 8.5 | 7.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:38:30 | 0.15 | 0.33 | 8.8 | 8.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:38:45 | 0.13 | 0.26 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:39:00 | 0.12 | 0.22 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:39:15 | 0.11 | 0.18 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:39:30 | 0.10 | 0.14 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 11:39:45 | 0.09 | 0.13 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/10/2021 | 11:39:45 | 0.09 | 0.13 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/10/2021 | 11:39:45 | 0.09 | 0.13 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:40:00 | 0.09 | 0.11 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:40:15 | 0.09 | 0.08 | 8.9 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:40:30 | 0.08 | 0.06 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:40:45 | 0.09 | 0.06 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:41:00 | 0.08 | 0.05 | 5.7 | 7.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:41:15 | 0.07 | 0.03 | 0.2 | 3.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:41:30 | 0.07 | 0.02 | 0.1 | 0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:41:45 | 0.07 | 0.01 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:42:00 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 11:42:15 | 0.06 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/10/2021 | 11:42:15 | 0.06 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/10/2021 | 11:42:15 | 0.06 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/10/2021 | 11:42:15 | 0.06 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/10/2021 | 11:42:15 | 0.06 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run7 | 2/10/2021 | 11:45:00 | 13.51 | 3.96 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:45:15 | 13.51 | 3.97 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:45:30 | 13.52 | 3.98 | 9.1 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:45:45 | 13.52 | 3.99 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:46:00 | 13.54 | 3.99 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:46:15 | 13.54 | 3.99 | 9.1 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:46:30 | 13.55 | 3.99 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:46:45 | 13.55 | 4.00 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:47:00 | 13.55 | 4.00 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:47:15 | 13.55 | 4.00 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:47:30 | 13.55 | 4.01 | 9.1 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:47:45 | 13.55 | 4.01 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:48:00 | 13.56 | 4.01 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:48:15 | 13.56 | 4.01 | 9.1 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:48:30 | 13.56 | 4.01 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:48:45 | 13.57 | 4.02 | 8.8 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:49:00 | 13.57 | 4.02 | 8.7 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:49:15 | 13.57 | 4.02 | 8.7 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:49:30 | 13.57 | 4.02 | 9.0 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:49:45 | 13.57 | 4.02 | 9.1 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:50:00 | 13.58 | 4.02 | 9.1 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:50:15 | 13.58 | 4.02 | 9.1 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:50:30 | 13.58 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:50:45 | 13.59 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:51:00 | 13.58 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:51:15 | 13.59 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:51:30 | 13.59 | 4.02 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:51:45 | 13.58 | 4.03 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:52:00 | 13.58 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:52:15 | 13.58 | 4.03 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:52:30 | 13.58 | 4.03 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:52:45 | 13.59 | 4.03 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:53:00 | 13.59 | 4.03 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:53:15 | 13.59 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:53:30 | 13.60 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:53:45 | 13.59 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:54:00 | 13.60 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:54:15 | 13.60 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:54:30 | 13.59 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:54:45 | 13.60 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:55:00 | 13.60 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:55:15 | 13.61 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:55:30 | 13.61 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:55:45 | 13.61 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:56:00 | 13.61 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:56:15 | 13.62 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:56:30 | 13.67 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:56:45 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:57:00 | 13.68 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:57:15 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:57:30 | 13.69 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:57:45 | 13.69 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:58:00 | 13.69 | 4.01 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:58:15 | 13.69 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:58:30 | 13.69 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:58:45 | 13.69 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:59:00 | 13.69 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:59:15 | 13.68 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 11:59:30 | 13.69 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 11:59:45 | 13.68 | 4.02 | 9.1 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 12:00:00 | 13.68 | 4.02 | 9.3 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:00:15 | 13.69 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 12:00:30 | 13.69 | 4.02 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:00:45 | 13.69 | 4.02 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:01:00 | 13.69 | 4.02 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:01:15 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:01:30 | 13.69 | 4.02 | 9.0 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 12:01:45 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:02:00 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:02:15 | 13.68 | 4.02 | 8.9 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 12:02:30 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | |
| run7 | 2/10/2021 | 12:02:45 | 13.67 | 4.03 | 9.0 | 0.5 | | | | | | | | |
| run7 | 2/10/2021 | 12:03:00 | 13.67 | 4.02 | 9.0 | 0.4 | | | | | | | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run7 | 2/10/2021 | 12:03:15 | 13.67 | 4.03 | 8.8 | 0.5 | | | | | | | | | |
| run7 | 2/10/2021 | 12:03:30 | 13.68 | 4.02 | 9.0 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:03:45 | 13.68 | 4.02 | 8.8 | 0.5 | | | | | | | | | |
| run7 | 2/10/2021 | 12:04:00 | 13.67 | 4.02 | 8.9 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:04:15 | 13.68 | 4.02 | 9.0 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:04:30 | 13.68 | 4.02 | 9.0 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:04:45 | 13.68 | 4.02 | 9.0 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:05:00 | 13.68 | 4.02 | 9.1 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:05:15 | 13.68 | 4.01 | 9.1 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:05:30 | 13.68 | 4.02 | 9.2 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:05:45 | 13.69 | 4.02 | 9.1 | 0.4 | | | | | | | | | |
| run7 | 2/10/2021 | 12:06:00 | 13.69 | 4.01 | 9.0 | 0.5 | | | | | | | | | |
| averun7 | 2/10/2021 | 11:45:00 | 13.62 | 4.02 | 9.0 | 0.5 | 21 | | | | | | | | |
| scg3 | 2/10/2021 | 12:06:15 | 13.69 | 4.02 | 8.9 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:06:30 | 13.69 | 4.02 | 8.8 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:06:45 | 13.68 | 4.02 | 8.7 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:07:00 | 13.50 | 3.99 | 8.7 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:07:15 | 9.81 | 6.75 | 6.9 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:07:30 | 10.14 | 10.83 | 1.2 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:07:45 | 10.17 | 11.17 | 0.2 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:08:00 | 10.16 | 11.25 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:08:15 | 10.16 | 11.30 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:08:30 | 10.16 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/10/2021 | 12:08:45 | 10.15 | 11.36 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/10/2021 | 12:08:45 | 10.15 | 11.36 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/10/2021 | 12:08:30 | 10.16 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:09:00 | 10.15 | 11.38 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:09:15 | 10.15 | 11.40 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:09:30 | 10.15 | 11.42 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:09:45 | 9.36 | 10.78 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:10:00 | 1.34 | 2.14 | 2.0 | 1.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:10:15 | 0.21 | 0.54 | 7.6 | 5.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:10:30 | 0.16 | 0.37 | 8.8 | 8.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:10:45 | 0.14 | 0.29 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:11:00 | 0.13 | 0.23 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/10/2021 | 12:11:15 | 0.12 | 0.19 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/10/2021 | 12:11:15 | 0.12 | 0.19 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/10/2021 | 12:11:00 | 0.13 | 0.23 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:11:30 | 0.11 | 0.16 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:11:45 | 0.11 | 0.13 | 8.9 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:12:00 | 0.10 | 0.11 | 8.9 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:12:15 | 0.10 | 0.09 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:12:30 | 0.10 | 0.08 | 8.7 | 8.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:12:45 | 0.09 | 0.05 | 0.8 | 4.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:13:00 | 0.08 | 0.05 | 0.1 | 1.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:13:15 | 0.08 | 0.03 | 0.1 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:13:30 | 0.08 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:13:45 | 0.07 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/10/2021 | 12:14:00 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero1 | 2/10/2021 | 12:13:45 | 0.07 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2zero1 | 2/10/2021 | 12:13:45 | 0.07 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero1 | 2/10/2021 | 12:13:45 | 0.07 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero1 | 2/10/2021 | 12:13:45 | 0.07 | 0.02 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run8 | 2/10/2021 | 12:17:00 | 13.64 | 3.97 | 9.1 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:17:15 | 13.64 | 3.98 | 9.1 | 0.3 | | | | | | | | | |
| run8 | 2/10/2021 | 12:17:30 | 13.65 | 3.98 | 9.1 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:17:45 | 13.65 | 3.99 | 9.2 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:18:00 | 13.66 | 3.99 | 9.2 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:18:15 | 13.66 | 3.99 | 9.0 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:18:30 | 13.66 | 4.00 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:18:45 | 13.67 | 4.00 | 8.7 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:19:00 | 13.67 | 4.00 | 8.6 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:19:15 | 13.65 | 4.01 | 8.7 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:19:30 | 13.66 | 4.01 | 9.0 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:19:45 | 13.66 | 4.01 | 9.1 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:20:00 | 13.67 | 4.01 | 9.1 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:20:15 | 13.67 | 4.01 | 9.1 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:20:30 | 13.67 | 4.01 | 9.1 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:20:45 | 13.67 | 4.01 | 9.0 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:21:00 | 13.67 | 4.01 | 9.0 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:21:15 | 13.68 | 4.00 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:21:30 | 13.68 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:21:45 | 13.68 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:22:00 | 13.68 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:22:15 | 13.68 | 4.01 | 8.8 | 0.5 | | | | | | | | | |
| run8 | 2/10/2021 | 12:22:30 | 13.68 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:22:45 | 13.68 | 4.02 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:23:00 | 13.67 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:23:15 | 13.68 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:23:30 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:23:45 | 13.68 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:24:00 | 13.68 | 4.01 | 8.8 | 0.3 | | | | | | | | | |
| run8 | 2/10/2021 | 12:24:15 | 13.68 | 4.02 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:24:30 | 13.68 | 4.01 | 8.8 | 0.3 | | | | | | | | | |
| run8 | 2/10/2021 | 12:24:45 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:25:00 | 13.68 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:25:15 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:25:30 | 13.68 | 4.02 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:25:45 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:26:00 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:26:15 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:26:30 | 13.69 | 4.02 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:26:45 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:27:00 | 13.69 | 4.01 | 8.8 | 0.3 | | | | | | | | | |
| run8 | 2/10/2021 | 12:27:15 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:27:30 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:27:45 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:28:00 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:28:15 | 13.68 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:28:30 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:28:45 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:29:00 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:29:15 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:29:30 | 13.70 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:29:45 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:30:00 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:30:15 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:30:30 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:30:45 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:31:00 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:31:15 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:31:30 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:31:45 | 13.69 | 4.01 | 8.8 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:32:00 | 13.69 | 4.01 | 8.5 | 0.4 | | | | | | | | | |
| run8 | 2/10/2021 | 12:32:15 | 13.69 | 4.01 | 8.7 | 0.4 | | | | | | | | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run8 | 2/10/2021 | 12:32:30 | 13.69 | 4.02 | 8.8 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:32:45 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:33:00 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:33:15 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:33:30 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:33:45 | 13.69 | 4.01 | 8.9 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:34:00 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:34:15 | 13.68 | 4.01 | 9.0 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:34:30 | 13.69 | 4.00 | 9.1 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:34:45 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:35:00 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:35:15 | 13.69 | 4.01 | 9.0 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:35:30 | 13.69 | 4.01 | 9.0 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:35:45 | 13.69 | 4.01 | 9.0 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:36:00 | 13.69 | 4.01 | 9.0 | 0.4 | | | | | | | | |
| run8 | 2/10/2021 | 12:36:15 | 13.69 | 4.01 | 9.0 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:36:30 | 13.69 | 4.01 | 9.1 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:36:45 | 13.69 | 4.01 | 9.1 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:37:00 | 13.69 | 4.01 | 9.1 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:37:15 | 13.70 | 4.01 | 8.9 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:37:30 | 13.70 | 4.01 | 8.8 | 0.3 | | | | | | | | |
| run8 | 2/10/2021 | 12:37:45 | 13.69 | 4.01 | 8.7 | 0.3 | | | | | | | | |
| averun8 | 2/10/2021 | 12:17:00 | 13.68 | 4.01 | 8.9 | 0.4 | 21 | | | | | | | |
| scg3 | 2/10/2021 | 12:38:00 | 13.69 | 4.01 | 8.6 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:38:15 | 13.68 | 4.01 | 8.7 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:38:30 | 13.68 | 4.01 | 9.0 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:38:45 | 11.53 | 4.40 | 8.8 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:39:00 | 10.08 | 10.16 | 3.4 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:39:15 | 10.16 | 11.08 | 0.2 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:39:30 | 10.16 | 11.21 | 0.2 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:39:45 | 10.15 | 11.27 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:40:00 | 10.15 | 11.31 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:40:15 | 10.15 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 12:40:30 | 10.15 | 11.36 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/10/2021 | 12:40:30 | 10.15 | 11.36 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/10/2021 | 12:40:15 | 10.15 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:40:45 | 10.15 | 11.38 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:41:00 | 10.14 | 11.39 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:41:15 | 10.14 | 11.41 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:41:30 | 9.61 | 11.00 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:41:45 | 1.56 | 2.41 | 2.4 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:42:00 | 0.21 | 0.55 | 7.2 | 5.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:42:15 | 0.16 | 0.38 | 8.8 | 8.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:42:30 | 0.14 | 0.29 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:42:45 | 0.12 | 0.23 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:43:00 | 0.11 | 0.20 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:43:15 | 0.11 | 0.16 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 12:43:30 | 0.10 | 0.14 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/10/2021 | 12:43:30 | 0.10 | 0.14 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/10/2021 | 12:43:30 | 0.10 | 0.14 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:43:45 | 0.09 | 0.11 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:44:00 | 0.09 | 0.09 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:44:15 | 0.09 | 0.07 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:44:30 | 0.09 | 0.06 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:44:45 | 0.08 | 0.05 | 5.9 | 7.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:45:00 | 0.07 | 0.04 | 0.5 | 3.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:45:15 | 0.07 | 0.03 | 0.1 | 0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:45:30 | 0.07 | 0.02 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:45:45 | 0.07 | 0.01 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 12:46:00 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/10/2021 | 12:46:00 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/10/2021 | 12:46:00 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/10/2021 | 12:46:00 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/10/2021 | 12:46:00 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run9 | 2/10/2021 | 12:49:00 | 13.65 | 3.95 | 9.0 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:49:15 | 13.65 | 3.96 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:49:30 | 13.65 | 3.96 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:49:45 | 13.66 | 3.97 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:50:00 | 13.66 | 3.97 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:50:15 | 13.67 | 3.98 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:50:30 | 13.67 | 3.98 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:50:45 | 13.67 | 3.98 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:51:00 | 13.67 | 3.98 | 9.1 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:51:15 | 13.68 | 3.98 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:51:30 | 13.68 | 3.98 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:51:45 | 13.68 | 3.98 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:52:00 | 13.68 | 3.98 | 8.8 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:52:15 | 13.68 | 3.99 | 8.6 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:52:30 | 13.70 | 3.98 | 8.5 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:52:45 | 13.69 | 3.99 | 8.5 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:53:00 | 13.68 | 3.99 | 9.0 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:53:15 | 13.68 | 3.99 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:53:30 | 13.68 | 3.99 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:53:45 | 13.69 | 3.99 | 9.1 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:54:00 | 13.69 | 3.99 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:54:15 | 13.69 | 3.99 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:54:30 | 13.69 | 4.00 | 9.1 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:54:45 | 13.69 | 4.00 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:55:00 | 13.69 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:55:15 | 13.69 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:55:30 | 13.69 | 3.98 | 9.0 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:55:45 | 13.69 | 3.98 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:56:00 | 13.69 | 4.00 | 8.9 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:56:15 | 13.69 | 4.00 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:56:30 | 13.69 | 4.00 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:56:45 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:57:00 | 13.70 | 3.99 | 8.8 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:57:15 | 13.70 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:57:30 | 13.69 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:57:45 | 13.70 | 4.00 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:58:00 | 13.70 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:58:15 | 13.70 | 3.99 | 8.8 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:58:30 | 13.71 | 3.99 | 8.7 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:58:45 | 13.69 | 3.99 | 8.6 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:59:00 | 13.71 | 3.99 | 8.6 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:59:15 | 13.71 | 3.99 | 8.5 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 12:59:30 | 13.71 | 3.99 | 8.5 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 12:59:45 | 13.69 | 3.99 | 8.5 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 13:00:00 | 13.69 | 4.00 | 8.8 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:00:15 | 13.69 | 3.99 | 9.3 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:00:30 | 13.70 | 3.99 | 9.3 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:00:45 | 13.70 | 3.99 | 9.3 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:01:00 | 13.70 | 3.99 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:01:15 | 13.70 | 3.99 | 9.1 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:01:30 | 13.70 | 3.99 | 9.1 | 0.3 | | | | | | | | |

| name | | | O2 4C H | CO2 4C H | NOx 4C H | CO 4C H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run9 | 2/10/2021 | 13:01:45 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:02:00 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:02:15 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:02:30 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:02:45 | 13.70 | 4.00 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:03:00 | 13.70 | 4.00 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:03:15 | 13.69 | 4.00 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:03:30 | 13.70 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:03:45 | 13.69 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:04:00 | 13.69 | 4.00 | 8.4 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:04:15 | 13.69 | 4.00 | 8.5 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:04:30 | 13.71 | 3.99 | 8.6 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:04:45 | 13.71 | 3.98 | 8.6 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:05:00 | 13.71 | 3.99 | 8.6 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:05:15 | 13.70 | 3.99 | 8.7 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:05:30 | 13.69 | 3.99 | 8.7 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:05:45 | 13.70 | 3.99 | 8.7 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:06:00 | 13.70 | 3.98 | 8.7 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:06:15 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:06:30 | 13.70 | 3.99 | 9.2 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:06:45 | 13.70 | 3.99 | 9.3 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:07:00 | 13.70 | 3.99 | 9.3 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:07:15 | 13.71 | 3.99 | 9.2 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:07:30 | 13.71 | 3.99 | 9.1 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 13:07:45 | 13.71 | 3.99 | 9.0 | 0.4 | | | | | | | | |
| run9 | 2/10/2021 | 13:08:00 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:08:15 | 13.70 | 3.99 | 9.0 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:08:30 | 13.70 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:08:45 | 13.71 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:09:00 | 13.70 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:09:15 | 13.71 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:09:30 | 13.71 | 3.99 | 8.9 | 0.3 | | | | | | | | |
| run9 | 2/10/2021 | 13:09:45 | 13.71 | 3.99 | 8.8 | 0.3 | | | | | | | | |
| averun9 | 2/10/2021 | 12:49:00 | 13.69 | 3.99 | 8.9 | 0.3 | | 21 | | | | | | |
| scg3 | 2/10/2021 | 13:10:00 | 13.71 | 3.99 | 8.8 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:10:15 | 13.70 | 3.98 | 8.8 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:10:30 | 13.70 | 3.99 | 8.8 | 0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:10:45 | 13.25 | 1.96 | 7.6 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:11:00 | 9.38 | 8.09 | 2.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:11:15 | 10.13 | 10.93 | 0.2 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:11:30 | 10.14 | 11.15 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:11:45 | 10.14 | 11.22 | 0.2 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:12:00 | 10.14 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/10/2021 | 13:12:15 | 10.13 | 11.30 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/10/2021 | 13:12:15 | 10.13 | 11.30 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/10/2021 | 13:12:15 | 10.13 | 11.30 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:12:30 | 10.13 | 11.34 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:12:45 | 10.13 | 11.36 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:13:00 | 10.13 | 11.38 | 0.1 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:13:15 | 8.41 | 9.82 | 0.1 | -0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:13:30 | 0.82 | 1.45 | 3.3 | 2.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:13:45 | 0.19 | 0.47 | 8.0 | 5.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:14:00 | 0.15 | 0.34 | 8.8 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:14:15 | 0.13 | 0.26 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:14:30 | 0.12 | 0.21 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:14:45 | 0.11 | 0.18 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:15:00 | 0.10 | 0.14 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/10/2021 | 13:15:15 | 0.10 | 0.12 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/10/2021 | 13:15:00 | 0.10 | 0.14 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/10/2021 | 13:15:00 | 0.10 | 0.14 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:15:30 | 0.09 | 0.10 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:15:45 | 0.08 | 0.08 | 9.0 | 9.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:16:00 | 0.08 | 0.07 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:16:15 | 0.08 | 0.05 | 9.0 | 9.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:16:30 | 0.08 | 0.05 | 7.8 | 7.9 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:16:45 | 0.07 | 0.02 | 0.3 | 4.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:17:00 | 0.06 | 0.02 | 0.1 | 0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:17:15 | 0.06 | 0.01 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:17:30 | 0.07 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:17:45 | 0.06 | 0.00 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:18:00 | 0.06 | 0.00 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/10/2021 | 13:18:15 | 0.05 | -0.01 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/10/2021 | 13:18:15 | 0.05 | -0.01 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/10/2021 | 13:18:15 | 0.05 | -0.01 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/10/2021 | 13:18:15 | 0.05 | -0.01 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/10/2021 | 13:18:15 | 0.05 | -0.01 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| so2zero | | | | | | | | | | | | | | |
| so2span | | | | | | | | | | | | | | |
| noxzero | | | | | | | | | | | | | | |
| noxspan | | | | | | | | | | | | | | |
| co2zero | | | | | | | | | | | | | | |
| co2span | | | | | | | | | | | | | | |
| o2zero | | | | | | | | | | | | | | |
| o2span | | | | | | | | | | | | | | |
| thczero | | | | | | | | | | | | | | |
| thcspan | | | | | | | | | | | | | | |
| cozero | | | | | | | | | | | | | | |
| cospan | | | | | | | | | | | | | | |
| so2ezero | Parameter Not Found | | | | | | | | | | | | | |
| so2mid | Parameter Not Found | | | | | | | | | | | | | |
| so2high | Parameter Not Found | | | | | | | | | | | | | |
| noxezero | Parameter Not Found | | | | | | | | | | | | | |
| noxlow | Parameter Not Found | | | | | | | | | | | | | |
| noxmid | Parameter Not Found | | | | | | | | | | | | | |
| noxhigh | Parameter Not Found | | | | | | | | | | | | | |
| co2ezero | Parameter Not Found | | | | | | | | | | | | | |
| co2mid | Parameter Not Found | | | | | | | | | | | | | |
| co2high | Parameter Not Found | | | | | | | | | | | | | |
| o2ezero | Parameter Not Found | | | | | | | | | | | | | |
| o2mid | Parameter Not Found | | | | | | | | | | | | | |
| o2high | Parameter Not Found | | | | | | | | | | | | | |
| thcezero | Parameter Not Found | | | | | | | | | | | | | |
| thclow | Parameter Not Found | | | | | | | | | | | | | |
| thcmid | Parameter Not Found | | | | | | | | | | | | | |
| thchigh | Parameter Not Found | | | | | | | | | | | | | |
| coezero | Parameter Not Found | | | | | | | | | | | | | |
| colow | Parameter Not Found | | | | | | | | | | | | | |
| comid | Parameter Not Found | | | | | | | | | | | | | |
| cohigh | Parameter Not Found | | | | | | | | | | | | | |
| End | | | | | | | | | | | | | | |

# Unit 4C Bypass

$NO_X$, CO, and $O_2$ Calculations of Average Emissions and Raw Data

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.29 % | 0.26 % | 0.28 |
| 10.26 percent $O_2$ | 10.28 % | 10.23 % | 10.25 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.10 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.91 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.02 |
| 9.4 ppm CO | 9.1 ppm | 9.1 ppm | 9.13 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.3 ppm $NO_X$ | **9.8** ppm $NO_X$ | DRY |
| 0.0 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.1** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.00 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.26 % | 0.29 % | 0.28 |
| 10.26 percent $O_2$ | 10.23 % | 10.27 % | 10.25 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.0 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.94 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.00 |
| 9.4 ppm CO | 9.1 ppm | 9.2 ppm | 9.18 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.0 ppm $NO_X$ | **9.4** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.9** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.29 % | 0.28 % | 0.28 |
| 10.26 percent $O_2$ | 10.27 % | 10.26 % | 10.27 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 9.0 ppm | 8.95 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.00 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.19 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.8 ppm $NO_X$ | **9.2** ppm $NO_X$ | DRY |
| 0.2 ppm CO | **0.2** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.8** NOxppm @ 15% O2 from O2
**0.2** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.28 % | 0.26 % | 0.27 |
| 10.26 percent $O_2$ | 10.26 % | 10.26 % | 10.26 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.16 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.7 ppm $NO_X$ | **9.1** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.7** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.26 % | 0.25 % | 0.26 |
| 10.26 percent $O_2$ | 10.26 % | 10.25 % | 10.25 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.97 |
| 0.0 ppm CO | 0.0 ppm | -0.1 ppm | -0.07 |
| 9.4 ppm CO | 9.2 ppm | 9.1 ppm | 9.15 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.6 ppm $NO_X$ | **9.0** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.6** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.25 % | 0.24 % | 0.24 |
| 10.26 percent $O_2$ | 10.25 % | 10.25 % | 10.25 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.98 |
| 0.0 ppm CO | -0.1 ppm | -0.2 ppm | -0.13 |
| 9.4 ppm CO | 9.1 ppm | 9.1 ppm | 9.11 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.6 ppm $NO_X$ | **8.9** ppm $NO_X$ | DRY |
| 0.0 ppm CO | **0.2** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.5** NOxppm @ 15% O2 from O2
**0.2** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.24 % | 0.27 % | 0.25 |
| 10.26 percent $O_2$ | 10.25 % | 10.25 % | 10.25 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.98 |
| 0.0 ppm CO | -0.2 ppm | -0.1 ppm | -0.13 |
| 9.4 ppm CO | 9.1 ppm | 9.2 ppm | 9.13 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.6 ppm $NO_X$ | **9.0** ppm $NO_X$ | DRY |
| 0.0 ppm CO | **0.2** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.6** NOxppm @ 15% O2 from O2
**0.2** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.27 % | 0.27 % | 0.27 |
| 10.26 percent $O_2$ | 10.25 % | 10.24 % | 10.24 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.98 |
| 0.0 ppm CO | -0.1 ppm | 0.0 ppm | -0.04 |
| 9.4 ppm CO | 9.2 ppm | 9.1 ppm | 9.14 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.4 ppm $NO_X$ | **8.8** ppm $NO_X$ | DRY |
| 0.0 ppm CO | **0.0** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.4** NOxppm @ 15% O2 from O2
**0.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4C Bypass (EU -040)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.27 % | 0.26 % | 0.27 |
| 10.26 percent $O_2$ | 10.24 % | 10.23 % | 10.23 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.06 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.99 |
| 0.0 ppm CO | 0.0 ppm | -0.1 ppm | -0.05 |
| 9.4 ppm CO | 9.1 ppm | 9.1 ppm | 9.12 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.8 percent $O_2$ | **14.0** percent $O_2$ | DRY |
| 8.4 ppm $NO_X$ | **8.7** ppm $NO_X$ | DRY |
| 0.0 ppm CO | **0.0** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.4** NOxppm @ 15% O2 from O2
**0.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| filename | | 2/9/2021 | 7:30:10 | | | | | | | | | | | | | |
| testby1 | C.E.M. Solutions, Inc. | | | | | | | | | | | | | | | |
| testby2 | 1183 E. Overdrive Circle | | | | | | | | | | | | | | | |
| testby3 | Hernando, FL 34442 | | | | | | | | | | | | | | | |
| testby4 | (352) 489-4337 | | | | | | | | | | | | | | | |
| testfor1 | Duke Energy Florida | | | | | | | | | | | | | | | |
| testfor2 | Bartow | | | | | | | | | | | | | | | |
| testfor3 | 4C Bypass (EU -040) | | | | | | | | | | | | | | | |
| testfor4 | RATA/Comp | | | | | | | | | | | | | | | |
| name | | | | O2 4C By | | NOx 4C By | | CO 4C By | | | | | | | | |
| sn | | | | 1420C/2741 | | 1336459882 | | CM08460059 | | | | | | | | |
| offset | | | | 0 | | 0 | | 0 | | | | | | | | |
| fullscale | | | | 25 | | 25 | | 25 | | | | | | | | |
| train | | | | 2 | | 2 | | 2 | | | | | | | | |
| gastype | | | | o2 3a | | nox 7e | | co 10 | | | | | | | | |
| dcg1 | | 2/9/2021 | 7:31:30 | 10.61 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:31:45 | 16.74 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:00 | 19.25 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:15 | 10.90 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:30 | 2.14 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:45 | 0.16 | | 0.0 | | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:00 | 0.01 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:15 | 0.00 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:30 | -0.01 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:45 | -0.01 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:00 | -0.01 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:15 | -0.01 | | 0.0 | | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:30 | -0.01 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:45 | -0.01 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:35:00 | -0.02 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2ezero2 | | 2/9/2021 | 7:34:45 | -0.01 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxezero2 | | 2/9/2021 | 7:34:45 | -0.01 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| coezero2 | | 2/9/2021 | 7:34:45 | -0.01 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:15 | -0.02 | | 0.0 | | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:30 | -0.02 | | 0.0 | | -0.1 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:45 | 0.61 | | 0.0 | | -0.4 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:00 | 7.36 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:15 | 14.25 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:30 | 17.95 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:45 | 19.78 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:00 | 20.47 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:15 | 20.58 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:30 | 20.60 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:45 | 20.60 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:00 | 20.61 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:15 | 20.61 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:30 | 20.61 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:45 | 20.61 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:00 | 20.62 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:15 | 20.64 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:30 | 20.68 | | 0.0 | | -0.8 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:45 | 20.68 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| o2high2 | | 2/9/2021 | 7:39:45 | 20.68 | | 0.0 | | -0.7 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:00 | 20.68 | | 0.0 | | -0.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:15 | 20.68 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:30 | 20.67 | | 0.0 | | -0.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:45 | 18.58 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:00 | 13.90 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:15 | 10.78 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:30 | 9.97 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:45 | 10.06 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:00 | 10.09 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:15 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:30 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:45 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:00 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:15 | 10.09 | | 0.0 | | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:30 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2mid2 | | 2/9/2021 | 7:43:30 | 10.09 | | 0.0 | | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:43:45 | 10.09 | | 0.0 | | -0.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:00 | 10.10 | | 0.0 | | -0.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:15 | 10.10 | | 3.2 | | 5.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:30 | 9.00 | | 4.1 | | 13.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:45 | 4.76 | | 14.8 | | 19.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:00 | 1.43 | | 22.0 | | 21.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:15 | 0.18 | | 22.4 | | 21.9 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:30 | 0.03 | | 22.4 | | 21.9 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:45 | 0.02 | | 22.5 | | 21.9 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:00 | 0.00 | | 22.5 | | 22.0 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:15 | 0.00 | | 22.5 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:30 | 0.01 | | 22.5 | | 22.0 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:45 | 0.00 | | 22.5 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:47:00 | 0.00 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| noxhigh2 | | 2/9/2021 | 7:47:00 | 0.00 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| cohigh2 | | 2/9/2021 | 7:47:00 | 0.00 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:15 | -0.01 | | 22.4 | | 22.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:30 | -0.01 | | 22.4 | | 21.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:45 | -0.01 | | 10.9 | | 16.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:00 | 0.05 | | 7.8 | | 12.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:15 | 0.08 | | 9.1 | | 9.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:30 | 0.00 | | 9.0 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:45 | -0.02 | | 9.0 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:49:00 | -0.01 | | 8.9 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:49:30 | -0.02 | | 8.9 | | 9.5 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:49:45 | -0.01 | | 12.8 | | 11.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:00 | 0.00 | | 15.9 | | 14.0 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:15 | 0.00 | | 23.9 | | 18.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:30 | -0.03 | | 23.2 | | 21.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:45 | -0.04 | | 22.4 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:00 | -0.03 | | 22.4 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:15 | -0.03 | | 22.3 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:30 | -0.03 | | 22.3 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:45 | -0.03 | | 22.3 | | 22.0 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:00 | -0.03 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:15 | -0.03 | | 22.6 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:30 | -0.03 | | 22.6 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| noxhigh2 | | 2/9/2021 | 7:52:30 | -0.03 | | 22.6 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| cohigh2 | | 2/9/2021 | 7:52:30 | -0.03 | | 22.6 | | 22.1 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:52:45 | -0.03 | | 22.5 | | 22.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:00 | -0.02 | | 22.5 | | 22.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:15 | -0.03 | | 17.4 | | 18.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:30 | -0.03 | | 9.4 | | 13.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:45 | -0.01 | | 9.2 | | 9.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:00 | -0.03 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:15 | -0.03 | | 9.1 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:30 | -0.03 | | 9.1 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxmid2 | | 2/9/2021 | 7:54:30 | -0.03 | | 9.1 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| comid2 | | 2/9/2021 | 7:54:30 | -0.03 | | 9.1 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg6 | | 2/9/2021 | 7:55:45 | 2.01 | | 1.9 | | 4.5 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | | 2/9/2021 | 7:56:00 | 7.45 | | 0.9 | | 2.5 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | |
| dcg6 | 2/9/2021 | 7:56:15 | 14.14 | 5.1 | 1.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:30 | 17.12 | 11.3 | 0.5 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:45 | 18.55 | 25.5 | -0.1 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:00 | 20.42 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:15 | 20.86 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:30 | 20.92 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:45 | 20.94 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:00 | 20.97 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:15 | 20.99 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:30 | 21.03 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:45 | 21.11 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:00 | 21.11 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:15 | 21.13 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:30 | 21.13 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:45 | 21.13 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 8:00:00 | 21.14 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 8:00:15 | 21.14 | 25.5 | -0.2 | CC515122/cg6 | NOx | 51.65 | | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:00:30 | 21.10 | 25.5 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:00:45 | 21.01 | 25.5 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:01:00 | 21.00 | 16.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:01:15 | 18.54 | 3.3 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:01:30 | 7.72 | 2.3 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:01:45 | 1.02 | 1.7 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:02:00 | 0.06 | 1.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:02:15 | 0.01 | 1.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:02:30 | -0.02 | 0.9 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:02:45 | -0.01 | 0.7 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:03:00 | -0.03 | 0.7 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:03:15 | -0.03 | 0.6 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:03:30 | -0.03 | 0.5 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:03:45 | -0.03 | 0.5 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:04:00 | -0.04 | 0.4 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:04:15 | -0.04 | 0.4 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:04:30 | -0.04 | 0.4 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:04:45 | -0.06 | 0.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:05:00 | -0.07 | 0.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:05:15 | -0.07 | 0.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:05:30 | -0.08 | 0.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:05:45 | -0.09 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:06:00 | -0.09 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:06:15 | -0.08 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:06:30 | -0.09 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:06:45 | -0.09 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:07:00 | -0.08 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:07:15 | -0.09 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:07:30 | -0.10 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:07:45 | -0.10 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:08:00 | -0.09 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:08:15 | -0.09 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:08:30 | -0.09 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:08:45 | -0.09 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:09:00 | -0.09 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:09:15 | -0.09 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:09:30 | -0.09 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:09:45 | -0.10 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:10:00 | -0.05 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:10:45 | 0.36 | 0.5 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:11:00 | 0.22 | 0.8 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:11:15 | 2.45 | 0.3 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:11:30 | 5.74 | 0.3 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:11:45 | 14.55 | 0.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:12:00 | 19.74 | 0.3 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:12:15 | 17.16 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:12:30 | 6.58 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:12:45 | 1.19 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:13:00 | 0.44 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:13:15 | 0.36 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:13:30 | 0.34 | 0.2 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:13:45 | 0.32 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:14:00 | 0.30 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 8:14:15 | 0.29 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero2 | 2/9/2021 | 8:14:15 | 0.29 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero2 | 2/9/2021 | 8:14:15 | 0.29 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero2 | 2/9/2021 | 8:14:15 | 0.29 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:14:30 | 0.28 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:14:45 | 0.28 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:15:00 | 0.28 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:15:15 | 0.27 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:15:30 | 0.26 | 0.1 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:15:45 | 0.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:16:00 | 1.36 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:16:15 | 5.53 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:16:30 | 8.64 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:16:45 | 9.96 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:17:00 | 10.23 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:17:15 | 10.27 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 8:17:30 | 10.28 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span2 | 2/9/2021 | 8:17:30 | 10.28 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:17:45 | 10.28 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:18:00 | 10.29 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:18:15 | 10.30 | 0.1 | -0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:18:30 | 10.29 | 0.1 | -0.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:18:45 | 10.30 | 0.1 | -0.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:19:00 | 10.29 | 2.4 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:19:15 | 9.51 | 7.9 | 5.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:19:30 | 5.29 | 8.8 | 7.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:19:45 | 1.81 | 8.8 | 8.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:20:00 | 0.51 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 8:20:15 | 0.32 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan2 | 2/9/2021 | 8:20:15 | 0.32 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan2 | 2/9/2021 | 8:20:15 | 0.32 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| run1 | 2/9/2021 | 8:32:00 | 13.70 | 9.4 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:32:15 | 13.70 | 9.3 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:32:30 | 13.71 | 9.3 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:32:45 | 13.71 | 9.2 | 0.0 | | | | | | | | |
| run1 | 2/9/2021 | 8:33:00 | 13.71 | 9.3 | 0.0 | | | | | | | | |
| run1 | 2/9/2021 | 8:33:15 | 13.72 | 9.3 | 0.0 | | | | | | | | |
| run1 | 2/9/2021 | 8:33:30 | 13.72 | 9.3 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:33:45 | 13.72 | 9.3 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:34:00 | 13.72 | 9.4 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:34:15 | 13.72 | 9.4 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:34:30 | 13.71 | 9.4 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:34:45 | 13.71 | 9.4 | -0.1 | | | | | | | | |
| run1 | 2/9/2021 | 8:35:00 | 13.72 | 9.3 | -0.1 | | | | | | | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:15 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:30 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:45 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:00 | 13.71 | 9.4 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:15 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:30 | 13.71 | 9.0 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:45 | 13.72 | 9.1 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:00 | 13.74 | 9.2 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:15 | 13.73 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:30 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:45 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:00 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:15 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:30 | 13.72 | 9.4 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:45 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:00 | 13.72 | 9.4 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:15 | 13.72 | 9.4 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:30 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:45 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:00 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:15 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:30 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:45 | 13.72 | 9.4 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:00 | 13.72 | 9.4 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:15 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:30 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:45 | 13.71 | 9.3 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:00 | 13.72 | 9.3 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:15 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:30 | 13.72 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:45 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:00 | 13.71 | 9.3 | -0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:15 | 13.72 | 9.2 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:30 | 13.71 | 9.1 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:45 | 13.74 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:00 | 13.74 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:15 | 13.72 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:30 | 13.71 | 9.3 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:45 | 13.71 | 9.3 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:00 | 13.71 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:15 | 13.71 | 9.3 | 0.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:30 | 13.71 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:45 | 13.71 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:00 | 13.71 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:15 | 13.71 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:30 | 13.71 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:45 | 13.71 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:00 | 13.72 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:15 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:30 | 13.71 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:45 | 13.72 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:00 | 13.72 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:15 | 13.72 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:30 | 13.72 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:45 | 13.72 | 9.4 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:00 | 13.71 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:15 | 13.72 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:30 | 13.72 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:45 | 13.72 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:00 | 13.71 | 9.0 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:15 | 13.78 | 9.2 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:30 | 13.78 | 9.2 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:45 | 13.73 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:00 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:15 | 13.72 | 9.4 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:30 | 13.71 | 9.4 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:45 | 13.72 | 9.4 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:00 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:15 | 13.70 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:30 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:45 | 13.72 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:00 | 13.73 | 9.2 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:15 | 13.73 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:30 | 13.73 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:45 | 13.73 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:00 | 13.74 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:15 | 13.73 | 9.4 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:30 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:45 | 13.73 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:00 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:15 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:30 | 13.73 | 9.3 | 0.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:45 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:56:00 | 13.72 | 9.3 | 0.2 | | | | | | | | | |
| averun1 | 2/9/2021 | 8:35:00 | 13.72 | 9.3 | 0.0 | | | 21 | | | | | | |
| scg5 | 2/9/2021 | 8:56:15 | 13.72 | 9.3 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:56:30 | 13.72 | 9.3 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:56:45 | 13.73 | 9.3 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:00 | 13.73 | 9.3 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:15 | 13.72 | 9.3 | 0.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:30 | 13.69 | 8.3 | 3.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:45 | 10.93 | 8.3 | 7.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:00 | 4.36 | 9.0 | 8.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:15 | 0.92 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:30 | 0.38 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:45 | 0.33 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan2 | 2/9/2021 | 8:58:30 | 0.38 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan2 | 2/9/2021 | 8:58:30 | 0.38 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:00 | 0.31 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:15 | 0.30 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:30 | 0.29 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:45 | 0.26 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:00 | 0.27 | 8.9 | 8.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:15 | 0.32 | 3.4 | 5.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:30 | 2.63 | 0.2 | 2.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:45 | 6.67 | 0.2 | 0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:00 | 9.20 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:15 | 10.09 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:30 | 10.23 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:45 | 10.25 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span2 | 2/9/2021 | 9:01:30 | 10.23 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/9/2021 | 9:02:00 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 9:02:15 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 9:02:30 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | |
| scg1 | 2/9/2021 | 9:02:45 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:00 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:15 | 10.14 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:30 | 7.22 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:45 | 3.05 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:00 | 0.83 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:15 | 0.36 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:30 | 0.30 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:45 | 0.29 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:05:00 | 0.27 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:05:15 | 0.26 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero2 | 2/9/2021 | 9:05:15 | 0.26 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero2 | 2/9/2021 | 9:05:15 | 0.26 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero2 | 2/9/2021 | 9:05:15 | 0.26 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run2 | 2/9/2021 | 9:25:00 | 13.73 | 9.3 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:15 | 13.73 | 9.3 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:30 | 13.72 | 9.2 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:45 | 13.73 | 9.2 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:00 | 13.73 | 9.3 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:15 | 13.73 | 9.3 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:30 | 13.73 | 9.3 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:45 | 13.73 | 9.2 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:00 | 13.73 | 9.2 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:15 | 13.73 | 9.1 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:30 | 13.74 | 8.9 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:45 | 13.75 | 8.9 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:00 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:15 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:30 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:45 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:00 | 13.77 | 8.8 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:15 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:30 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:45 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:00 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:15 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:30 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:45 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:00 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:15 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:30 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:45 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:00 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:15 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:30 | 13.77 | 8.7 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:45 | 13.78 | 8.8 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:00 | 13.78 | 9.1 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:15 | 13.77 | 9.0 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:30 | 13.75 | 9.2 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:45 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:00 | 13.75 | 9.3 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:15 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:30 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:45 | 13.74 | 9.2 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:00 | 13.73 | 9.2 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:15 | 13.74 | 9.1 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:30 | 13.75 | 9.2 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:45 | 13.75 | 9.3 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:00 | 13.74 | 9.3 | 0.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:15 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:30 | 13.73 | 9.2 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:45 | 13.74 | 9.2 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:00 | 13.75 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:15 | 13.75 | 9.3 | 0.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:30 | 13.75 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:45 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:00 | 13.75 | 9.4 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:15 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:30 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:45 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:00 | 13.75 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:15 | 13.75 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:30 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:45 | 13.74 | 9.3 | 0.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:00 | 13.74 | 9.5 | 0.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:15 | 13.74 | 9.3 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:30 | 13.74 | 9.1 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:45 | 13.74 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:00 | 13.75 | 8.8 | 0.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:15 | 13.76 | 8.7 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:30 | 13.76 | 8.7 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:45 | 13.77 | 8.8 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:00 | 13.77 | 8.8 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:15 | 13.76 | 8.8 | 0.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:30 | 13.76 | 8.8 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:45 | 13.76 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:00 | 13.76 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:15 | 13.76 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:30 | 13.77 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:45 | 13.77 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:00 | 13.77 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:15 | 13.76 | 8.9 | 0.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:30 | 13.76 | 8.8 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:45 | 13.77 | 8.9 | 0.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:00 | 13.77 | 8.9 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:15 | 13.77 | 8.8 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:30 | 13.76 | 8.8 | 0.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:45 | 13.76 | 8.9 | 0.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:46:00 | 13.77 | 8.9 | 0.2 | | | | | | | | |
| averun2 | 2/9/2021 | 9:25:00 | 13.75 | 9.0 | 0.1 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 9:46:30 | 13.76 | 8.9 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:46:45 | 13.75 | 8.8 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:00 | 13.76 | 8.9 | 0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:15 | 13.76 | 7.5 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:30 | 13.79 | 1.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:45 | 15.59 | 4.0 | 3.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:00 | 14.10 | 7.6 | 6.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:15 | 4.86 | 9.0 | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:30 | 0.85 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:45 | 0.39 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:49:00 | 0.35 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:49:15 | 0.32 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:49:30 | 0.31 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan2 | 2/9/2021 | 9:49:30 | 0.31 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | |
| cospan2 | 2/9/2021 | 9:49:15 | 0.32 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:49:45 | 0.29 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:00 | 0.29 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:15 | 0.27 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:30 | 0.27 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:45 | 0.26 | 8.9 | 9.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:00 | 0.27 | 5.5 | 6.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:15 | 1.64 | 0.4 | 2.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:30 | 5.75 | 0.2 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:45 | 8.73 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:00 | 9.98 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:15 | 10.22 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:30 | 10.25 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:45 | 10.26 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:53:00 | 10.27 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span2 | 2/9/2021 | 9:53:00 | 10.27 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:53:15 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:53:30 | 10.27 | 0.2 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:53:45 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:00 | 10.30 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:15 | 10.30 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:30 | 10.29 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:45 | 9.37 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:00 | 5.19 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:15 | 1.79 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:30 | 0.50 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:45 | 0.32 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:56:00 | 0.29 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero2 | 2/9/2021 | 9:56:00 | 0.29 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero2 | 2/9/2021 | 9:56:00 | 0.29 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero2 | 2/9/2021 | 9:56:00 | 0.29 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run3 | 2/9/2021 | 10:01:00 | 13.78 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:01:15 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:01:30 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:01:45 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:00 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:15 | 13.76 | 8.7 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:30 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:45 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:00 | 13.77 | 8.8 | -0.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:15 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:30 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:45 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:00 | 13.78 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:15 | 13.77 | 8.9 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:30 | 13.77 | 8.9 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:45 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:00 | 13.77 | 8.8 | -0.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:15 | 13.78 | 8.9 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:30 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:45 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:00 | 13.77 | 8.9 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:15 | 13.77 | 8.9 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:30 | 13.76 | 8.9 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:45 | 13.76 | 8.9 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:00 | 13.77 | 8.9 | -0.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:15 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:30 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:45 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:00 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:15 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:30 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:45 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:00 | 13.77 | 10.6 | 0.4 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:15 | 13.78 | 9.3 | 0.6 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:30 | 13.77 | 8.6 | 0.4 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:45 | 13.77 | 8.6 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:00 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:15 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:30 | 13.77 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:45 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:00 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:15 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:30 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:45 | 13.76 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:00 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:15 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:30 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:45 | 13.78 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:00 | 13.77 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:15 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:30 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:45 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:00 | 13.79 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:15 | 13.78 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:30 | 13.77 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:45 | 13.77 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:00 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:15 | 13.77 | 8.8 | 0.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:30 | 13.77 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:45 | 13.77 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:00 | 13.77 | 8.8 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:15 | 13.76 | 9.2 | 0.6 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:30 | 13.77 | 8.8 | 0.5 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:45 | 13.77 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:00 | 13.77 | 8.6 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:15 | 13.77 | 8.6 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:30 | 13.78 | 8.6 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:45 | 13.78 | 8.8 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:00 | 13.77 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:15 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:30 | 13.77 | 8.6 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:45 | 13.78 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:00 | 13.78 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:15 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:30 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:45 | 13.78 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:00 | 13.78 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:15 | 13.78 | 8.8 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:30 | 13.78 | 8.8 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:45 | 13.77 | 8.8 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:00 | 13.77 | 8.7 | 0.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:15 | 13.76 | 8.8 | 0.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:30 | 13.77 | 8.8 | 0.2 | | | | | | | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:45 | 13.77 | 8.8 | 0.3 | | | | | | | | |
| averun3 | 2/9/2021 | 10:01:00 | 13.77 | 8.8 | 0.2 | | | 21 | | | | | |
| scg5 | 2/9/2021 | 10:22:15 | 13.77 | 8.8 | 0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:22:30 | 13.77 | 8.8 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:22:45 | 13.77 | 8.9 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:00 | 13.77 | 7.6 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:15 | 13.82 | 3.0 | 1.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:30 | 13.08 | 7.2 | 5.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:45 | 6.37 | 8.8 | 8.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:24:00 | 1.33 | 8.9 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:24:15 | 0.41 | 8.9 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:24:30 | 0.33 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan2 | 2/9/2021 | 10:24:30 | 0.33 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan2 | 2/9/2021 | 10:24:30 | 0.33 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:24:45 | 0.30 | 8.9 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:00 | 0.29 | 8.9 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:15 | 0.29 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:30 | 0.28 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:45 | 0.27 | 8.2 | 8.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:00 | 0.40 | 2.8 | 5.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:15 | 3.24 | 0.2 | 1.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:30 | 7.15 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:45 | 9.42 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:27:00 | 10.13 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:27:15 | 10.24 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:27:30 | 10.26 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span2 | 2/9/2021 | 10:27:30 | 10.26 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:27:45 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:00 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:15 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:30 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:45 | 10.29 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:00 | 10.29 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:15 | 8.82 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:30 | 4.44 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:45 | 1.39 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:00 | 0.43 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:15 | 0.31 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:30 | 0.28 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:45 | 0.28 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero2 | 2/9/2021 | 10:30:30 | 0.28 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero2 | 2/9/2021 | 10:30:30 | 0.28 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero2 | 2/9/2021 | 10:30:30 | 0.28 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run4 | 2/9/2021 | 10:34:00 | 13.70 | 8.8 | -0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:34:15 | 13.72 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:34:30 | 13.73 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:34:45 | 13.75 | 8.9 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:00 | 13.75 | 8.7 | -0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:15 | 13.74 | 8.6 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:30 | 13.76 | 8.9 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:45 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:00 | 13.74 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:15 | 13.75 | 8.7 | -0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:30 | 13.75 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:45 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:00 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:15 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:30 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:45 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:00 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:15 | 13.76 | 8.8 | -0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:30 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:45 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:00 | 13.76 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:15 | 13.76 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:30 | 13.77 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:45 | 13.77 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:00 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:15 | 13.76 | 8.9 | -0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:30 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:45 | 13.76 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:00 | 13.76 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:15 | 13.77 | 8.8 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:30 | 13.77 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:45 | 13.77 | 8.7 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:00 | 13.77 | 8.9 | 0.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:15 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:30 | 13.76 | 8.5 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:45 | 13.76 | 8.5 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:00 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:15 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:30 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:45 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:00 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:15 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:30 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:45 | 13.77 | 8.5 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:00 | 13.78 | 8.5 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:15 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:30 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:45 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:00 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:15 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:30 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:45 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:00 | 13.78 | 8.6 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:15 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:30 | 13.78 | 8.8 | 0.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:45 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:00 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:15 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:30 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:45 | 13.79 | 8.7 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:00 | 13.79 | 9.8 | 0.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:15 | 13.78 | 8.9 | 0.4 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:30 | 13.78 | 8.7 | 0.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:45 | 13.78 | 8.7 | 0.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:00 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:15 | 13.76 | 8.5 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:30 | 13.77 | 8.5 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:45 | 13.77 | 8.4 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:00 | 13.78 | 8.5 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:15 | 13.76 | 8.5 | 0.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:30 | 13.77 | 8.5 | 0.3 | | | | | | | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:45 | 13.78 | 8.5 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:00 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:15 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:30 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:45 | 13.78 | 8.5 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:00 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:15 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:30 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:45 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:00 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:15 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:30 | 13.79 | 8.7 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:45 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:55:00 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| averun4 | 2/9/2021 | 10:34:00 | 13.77 | 8.7 | 0.1 | | | 21 | | | | | |
| scg5 | 2/9/2021 | 10:55:15 | 13.78 | 8.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:55:30 | 13.78 | 8.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:55:45 | 13.78 | 8.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:00 | 13.78 | 8.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:15 | 13.78 | 3.1 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:30 | 14.50 | 4.5 | 3.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:45 | 11.92 | 8.0 | 6.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:00 | 3.89 | 8.9 | 8.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:15 | 0.70 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:30 | 0.36 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:45 | 0.31 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:58:00 | 0.28 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan2 | 2/9/2021 | 10:58:00 | 0.28 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan2 | 2/9/2021 | 10:58:00 | 0.28 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:58:15 | 0.28 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:58:30 | 0.26 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:58:45 | 0.26 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:00 | 0.25 | 8.9 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:15 | 0.24 | 8.0 | 8.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:30 | 0.39 | 2.6 | 4.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:45 | 3.38 | 0.2 | 1.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:00 | 7.26 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:15 | 9.45 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:30 | 10.14 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:45 | 10.24 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:01:00 | 10.26 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:01:15 | 10.26 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span2 | 2/9/2021 | 11:01:00 | 10.26 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:01:30 | 10.26 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:01:45 | 10.28 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:00 | 10.27 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:15 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:30 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:45 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:00 | 9.37 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:15 | 5.18 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:30 | 1.74 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:45 | 0.47 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:00 | 0.30 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:15 | 0.28 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:30 | 0.27 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:45 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:05:00 | 0.25 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:05:15 | 0.23 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero2 | 2/9/2021 | 11:04:45 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero2 | 2/9/2021 | 11:04:45 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero2 | 2/9/2021 | 11:04:45 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run5 | 2/9/2021 | 11:08:00 | 13.68 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:08:15 | 13.69 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:08:30 | 13.71 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:08:45 | 13.71 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:00 | 13.71 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:15 | 13.73 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:30 | 13.74 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:45 | 13.74 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:00 | 13.74 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:15 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:30 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:45 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:00 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:15 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:30 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:45 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:00 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:15 | 13.75 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:30 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:45 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:00 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:15 | 13.76 | 8.7 | 0.0 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:30 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:45 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:00 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:15 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:30 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:45 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:00 | 13.76 | 8.7 | 0.0 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:15 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:30 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:45 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:00 | 13.76 | 8.7 | -0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:15 | 13.76 | 8.8 | 0.0 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:30 | 13.76 | 8.5 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:45 | 13.76 | 8.5 | 0.0 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:00 | 13.76 | 8.5 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:15 | 13.76 | 8.5 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:30 | 13.76 | 8.5 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:45 | 13.76 | 8.7 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:00 | 13.76 | 8.7 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:15 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:30 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:45 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:19:00 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:19:15 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:19:30 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:19:45 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:20:00 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:20:15 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:20:30 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:20:45 | 13.77 | 8.6 | 0.1 | | | | | | | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | |
| run5 | 2/9/2021 | 11:21:00 | 13.77 | 8.7 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:21:15 | 13.77 | 8.7 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:21:30 | 13.76 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:21:45 | 13.77 | 8.7 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:22:00 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:22:15 | 13.76 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:22:30 | 13.76 | 8.7 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:22:45 | 13.76 | 8.7 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:23:00 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:23:15 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:23:30 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:23:45 | 13.76 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:24:00 | 13.76 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:24:15 | 13.76 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:24:30 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:24:45 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:25:00 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:25:15 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:25:30 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:25:45 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:26:00 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:26:15 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:26:30 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:26:45 | 13.77 | 8.5 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:27:00 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:27:15 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:27:30 | 13.76 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:27:45 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:28:00 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:28:15 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:28:30 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:28:45 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:29:00 | 13.76 | 8.6 | 0.2 | | | | | | | | |
| averun5 | 2/9/2021 | 11:08:00 | 13.76 | 8.6 | 0.1 | | | 21 | | | | | |
| scg5 | 2/9/2021 | 11:29:15 | 13.77 | 8.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:29:30 | 13.77 | 8.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:29:45 | 13.77 | 8.7 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:30:00 | 13.76 | 8.7 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:30:15 | 13.77 | 3.7 | 0.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:30:30 | 14.34 | 4.0 | 2.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:30:45 | 12.81 | 7.7 | 6.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:31:00 | 4.72 | 8.9 | 8.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:31:15 | 0.84 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:31:30 | 0.37 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:31:45 | 0.32 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:32:00 | 0.30 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 11:32:15 | 0.29 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan2 | 2/9/2021 | 11:32:00 | 0.30 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan2 | 2/9/2021 | 11:32:00 | 0.30 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:32:30 | 0.26 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:32:45 | 0.27 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:33:00 | 0.26 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:33:15 | 0.26 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:33:30 | 0.25 | 7.7 | 8.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:33:45 | 0.72 | 1.1 | 3.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:34:00 | 4.36 | 0.2 | 1.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:34:15 | 7.89 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:34:30 | 9.72 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:34:45 | 10.18 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:35:00 | 10.24 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:35:15 | 10.25 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:35:30 | 10.26 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span2 | 2/9/2021 | 11:35:15 | 10.25 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:35:45 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:36:00 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:36:15 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:36:30 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:36:45 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:37:00 | 9.70 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:37:15 | 5.75 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:37:30 | 2.07 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:37:45 | 0.54 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:38:00 | 0.30 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:38:15 | 0.27 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:38:30 | 0.25 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:38:45 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero2 | 2/9/2021 | 11:38:30 | 0.25 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero2 | 2/9/2021 | 11:38:30 | 0.25 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero2 | 2/9/2021 | 11:38:30 | 0.25 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run6 | 2/9/2021 | 11:42:00 | 13.70 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:42:15 | 13.71 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:42:30 | 13.72 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:42:45 | 13.73 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:43:00 | 13.72 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:43:15 | 13.73 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:43:30 | 13.74 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:43:45 | 13.73 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:44:00 | 13.73 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:44:15 | 13.74 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:44:30 | 13.74 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:44:45 | 13.75 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:45:00 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:45:15 | 13.74 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:45:30 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:45:45 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:46:00 | 13.74 | 8.6 | 0.0 | | | | | | | | |
| run6 | 2/9/2021 | 11:46:15 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:46:30 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:46:45 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:47:00 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:47:15 | 13.75 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:47:30 | 13.76 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:47:45 | 13.76 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:48:00 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:48:15 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:48:30 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:48:45 | 13.76 | 8.5 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:49:00 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:49:15 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:49:30 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:49:45 | 13.76 | 8.6 | 0.0 | | | | | | | | |
| run6 | 2/9/2021 | 11:50:00 | 13.76 | 8.4 | 0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:50:15 | 13.76 | 8.4 | 0.1 | | | | | | | | |
| run6 | 2/9/2021 | 11:50:30 | 13.76 | 8.5 | 0.1 | | | | | | | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:45 | 13.76 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:00 | 13.76 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:15 | 13.76 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:30 | 13.76 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:45 | 13.76 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:00 | 13.76 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:15 | 13.76 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:30 | 13.76 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:45 | 13.77 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:00 | 13.77 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:15 | 13.77 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:30 | 13.77 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:45 | 13.77 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:00 | 13.78 | 8.5 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:15 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:30 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:45 | 13.77 | 8.6 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:00 | 13.77 | 8.7 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:15 | 13.76 | 8.7 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:30 | 13.76 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:45 | 13.76 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:00 | 13.76 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:15 | 13.76 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:30 | 13.76 | 8.7 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:45 | 13.77 | 8.7 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:00 | 13.77 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:15 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:30 | 13.78 | 8.6 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:45 | 13.78 | 8.6 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:00 | 13.78 | 8.7 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:15 | 13.78 | 8.6 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:30 | 13.78 | 8.7 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:45 | 13.78 | 8.7 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:00 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:15 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:30 | 13.78 | 8.7 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:45 | 13.78 | 8.7 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:00 | 13.77 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:15 | 13.77 | 8.6 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:30 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:45 | 13.78 | 8.6 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:00 | 13.77 | 8.7 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:15 | 13.77 | 8.7 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:30 | 13.77 | 8.7 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:45 | 13.77 | 8.7 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:00 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:15 | 13.78 | 8.6 | 0.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:30 | 13.79 | 8.7 | 0.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:45 | 13.79 | 8.7 | 0.2 | | | | | | | | | |
| averun6 | 2/9/2021 | 11:42:00 | 13.76 | 8.6 | 0.0 | | | 21 | | | | | | |
| scg5 | 2/9/2021 | 12:03:00 | 13.78 | 8.6 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:15 | 13.78 | 8.8 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:30 | 13.78 | 8.8 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:45 | 13.77 | 8.7 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:00 | 13.77 | 6.7 | 0.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:15 | 13.24 | 6.8 | 4.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:30 | 7.93 | 8.5 | 7.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:45 | 2.28 | 9.0 | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:05:00 | 0.49 | 9.0 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:05:15 | 0.31 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan2 | 2/9/2021 | 12:05:15 | 0.31 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan2 | 2/9/2021 | 12:05:15 | 0.31 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:05:30 | 0.27 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:05:45 | 0.26 | 9.0 | 9.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:00 | 0.25 | 9.0 | 9.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:15 | 0.24 | 9.0 | 9.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:30 | 0.23 | 9.0 | 8.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:45 | 0.24 | 4.8 | 6.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:00 | 1.93 | 0.2 | 2.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:15 | 6.06 | 0.1 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:30 | 8.89 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:45 | 10.02 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:08:00 | 10.22 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:08:15 | 10.25 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span2 | 2/9/2021 | 12:08:15 | 10.25 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:08:30 | 10.25 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:08:45 | 10.26 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:00 | 10.26 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:15 | 10.27 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:30 | 10.27 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:45 | 10.10 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:00 | 7.02 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:15 | 2.88 | 0.0 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:30 | 0.75 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:45 | 0.31 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:00 | 0.25 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:15 | 0.24 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:30 | 0.24 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero2 | 2/9/2021 | 12:11:30 | 0.24 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero2 | 2/9/2021 | 12:11:30 | 0.24 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero2 | 2/9/2021 | 12:11:30 | 0.24 | 0.0 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run7 | 2/9/2021 | 12:14:00 | 13.61 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:15 | 13.68 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:30 | 13.70 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:45 | 13.71 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:00 | 13.71 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:15 | 13.72 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:30 | 13.72 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:45 | 13.73 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:00 | 13.73 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:15 | 13.74 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:30 | 13.75 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:45 | 13.75 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:00 | 13.75 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:15 | 13.75 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:30 | 13.76 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:45 | 13.76 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:18:00 | 13.76 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:18:15 | 13.76 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:18:30 | 13.76 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:18:45 | 13.76 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:19:00 | 13.76 | 8.6 | -0.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:19:15 | 13.76 | 8.6 | -0.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:19:30 | 13.76 | 8.6 | -0.2 | | | | | | | | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:45 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:00 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:15 | 13.76 | 8.5 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:30 | 13.76 | 8.5 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:45 | 13.77 | 8.6 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:00 | 13.77 | 8.5 | 0.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:15 | 13.77 | 8.4 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:30 | 13.78 | 8.4 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:45 | 13.79 | 8.4 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:00 | 13.79 | 8.5 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:15 | 13.79 | 8.5 | -0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:30 | 13.78 | 8.4 | 0.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:45 | 13.77 | 8.5 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:00 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:15 | 13.76 | 8.5 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:30 | 13.77 | 8.6 | 0.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:45 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:00 | 13.76 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:15 | 13.77 | 8.5 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:30 | 13.77 | 8.5 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:45 | 13.78 | 8.5 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:00 | 13.78 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:15 | 13.78 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:30 | 13.78 | 8.7 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:45 | 13.78 | 8.7 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:00 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:15 | 13.77 | 8.5 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:30 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:45 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:00 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:15 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:30 | 13.77 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:45 | 13.78 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:00 | 13.78 | 8.6 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:15 | 13.78 | 8.7 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:30 | 13.77 | 8.7 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:45 | 13.77 | 8.7 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:00 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:15 | 13.77 | 8.7 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:30 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:45 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:00 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:15 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:30 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:45 | 13.77 | 8.7 | 0.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:00 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:15 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:30 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:45 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:00 | 13.78 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:15 | 13.78 | 8.5 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:30 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:45 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:00 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:15 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:30 | 13.77 | 8.6 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:45 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:00 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:15 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:30 | 13.78 | 8.7 | 0.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:45 | 13.77 | 8.7 | 0.2 | | | | | | | | |
| averun7 | 2/9/2021 | 12:14:00 | 13.76 | 8.6 | 0.0 | 21 | | | | | | | |
| scg5 | 2/9/2021 | 12:35:00 | 13.77 | 8.6 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:15 | 13.78 | 8.6 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:30 | 13.79 | 8.5 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:45 | 13.79 | 8.5 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:00 | 13.78 | 6.4 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:15 | 12.97 | 7.0 | 4.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:30 | 7.16 | 8.6 | 7.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:45 | 1.91 | 9.0 | 8.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:00 | 0.47 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:15 | 0.33 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:30 | 0.30 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan2 | 2/9/2021 | 12:37:30 | 0.30 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan2 | 2/9/2021 | 12:37:30 | 0.30 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:37:45 | 0.29 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:00 | 0.28 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:15 | 0.26 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:30 | 0.27 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:45 | 0.26 | 7.8 | 8.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:00 | 0.54 | 1.9 | 4.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:15 | 3.92 | 0.2 | 1.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:30 | 7.63 | 0.1 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:45 | 9.62 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:40:00 | 10.18 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:40:15 | 10.25 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span2 | 2/9/2021 | 12:40:15 | 10.25 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:40:30 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:40:45 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:00 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:15 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:30 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:45 | 10.24 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:00 | 7.90 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:15 | 3.56 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:30 | 1.01 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:45 | 0.36 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:43:00 | 0.29 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:43:15 | 0.27 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero2 | 2/9/2021 | 12:43:15 | 0.27 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero2 | 2/9/2021 | 12:43:15 | 0.27 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero2 | 2/9/2021 | 12:43:15 | 0.27 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run8 | 2/9/2021 | 12:46:00 | 13.73 | 8.6 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:46:15 | 13.74 | 8.6 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:46:30 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:46:45 | 13.75 | 8.6 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:47:00 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:47:15 | 13.76 | 8.6 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:47:30 | 13.77 | 8.5 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:47:45 | 13.78 | 8.4 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:48:00 | 13.78 | 8.3 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:48:15 | 13.79 | 8.3 | -0.1 | | | | | | | | |
| run8 | 2/9/2021 | 12:48:30 | 13.80 | 8.4 | 0.0 | | | | | | | | |
| run8 | 2/9/2021 | 12:48:45 | 13.81 | 8.5 | -0.1 | | | | | | | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | | |
| run8 | 2/9/2021 | 12:49:00 | 13.81 | 8.6 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:49:15 | 13.80 | 8.6 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:49:30 | 13.81 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:49:45 | 13.81 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:50:00 | 13.81 | 8.6 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:50:15 | 13.81 | 8.6 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:50:30 | 13.81 | 8.4 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:50:45 | 13.82 | 8.4 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:51:00 | 13.83 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:51:15 | 13.82 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:51:30 | 13.82 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:51:45 | 13.82 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:52:00 | 13.82 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:52:15 | 13.82 | 8.6 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:52:30 | 13.82 | 8.6 | -0.2 | | | | | | | | | |
| run8 | 2/9/2021 | 12:52:45 | 13.83 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:53:00 | 13.81 | 8.4 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:53:15 | 13.81 | 8.3 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:53:30 | 13.82 | 8.2 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:53:45 | 13.83 | 8.3 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:54:00 | 13.84 | 8.4 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:54:15 | 13.83 | 8.5 | -0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:54:30 | 13.82 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:54:45 | 13.82 | 8.3 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:55:00 | 13.82 | 8.3 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:55:15 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:55:30 | 13.83 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:55:45 | 13.82 | 8.5 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:56:00 | 13.82 | 8.5 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:56:15 | 13.82 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:56:30 | 13.82 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:56:45 | 13.82 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:57:00 | 13.83 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:57:15 | 13.81 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:57:30 | 13.82 | 8.3 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:57:45 | 13.83 | 8.3 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:58:00 | 13.83 | 8.3 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:58:15 | 13.83 | 8.3 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:58:30 | 13.83 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:58:45 | 13.82 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:59:00 | 13.82 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:59:15 | 13.83 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 12:59:30 | 13.83 | 8.5 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 12:59:45 | 13.83 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 13:00:00 | 13.82 | 8.5 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 13:00:15 | 13.84 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 13:00:30 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:00:45 | 13.83 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 13:01:00 | 13.84 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 13:01:15 | 13.84 | 8.4 | 0.0 | | | | | | | | | |
| run8 | 2/9/2021 | 13:01:30 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:01:45 | 13.82 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:02:00 | 13.82 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:02:15 | 13.82 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:02:30 | 13.82 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:02:45 | 13.82 | 8.5 | 0.2 | | | | | | | | | |
| run8 | 2/9/2021 | 13:03:00 | 13.82 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:03:15 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:03:30 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:03:45 | 13.84 | 8.4 | 0.2 | | | | | | | | | |
| run8 | 2/9/2021 | 13:04:00 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:04:15 | 13.84 | 8.4 | 0.2 | | | | | | | | | |
| run8 | 2/9/2021 | 13:04:30 | 13.84 | 8.3 | 0.2 | | | | | | | | | |
| run8 | 2/9/2021 | 13:04:45 | 13.84 | 8.3 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:05:00 | 13.84 | 8.3 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:05:15 | 13.84 | 8.3 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:05:30 | 13.84 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:05:45 | 13.84 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:06:00 | 13.83 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:06:15 | 13.83 | 8.5 | 0.2 | | | | | | | | | |
| run8 | 2/9/2021 | 13:06:30 | 13.82 | 8.5 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:06:45 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run8 | 2/9/2021 | 13:07:00 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| averun8 | 2/9/2021 | 12:46:00 | 13.82 | 8.4 | 0.0 | 21 | | | | | | | | |
| scg5 | 2/9/2021 | 13:07:30 | 13.83 | 8.3 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:07:45 | 13.84 | 8.3 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:08:00 | 13.84 | 8.3 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:08:15 | 13.84 | 8.3 | 0.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:08:30 | 13.84 | 7.1 | 1.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:08:45 | 12.94 | 7.4 | 5.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:09:00 | 6.89 | 8.9 | 8.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:09:15 | 1.76 | 9.0 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:09:30 | 0.45 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:09:45 | 0.33 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan2 | 2/9/2021 | 13:09:45 | 0.33 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan2 | 2/9/2021 | 13:09:45 | 0.33 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:10:00 | 0.31 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:10:15 | 0.29 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:10:30 | 0.28 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:10:45 | 0.26 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:11:00 | 0.25 | 8.9 | 8.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:11:15 | 0.35 | 2.4 | 5.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:11:30 | 3.11 | 0.2 | 1.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:11:45 | 7.07 | 0.2 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:12:00 | 9.38 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:12:15 | 10.14 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:12:30 | 10.24 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span2 | 2/9/2021 | 13:12:30 | 10.24 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:12:45 | 10.25 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:13:00 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:13:15 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:13:30 | 10.28 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:13:45 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:14:00 | 10.28 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:14:15 | 8.74 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:14:30 | 4.36 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:14:45 | 1.36 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:15:00 | 0.41 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:15:15 | 0.30 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:15:30 | 0.28 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:15:45 | 0.27 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero2 | 2/9/2021 | 13:15:45 | 0.27 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero2 | 2/9/2021 | 13:15:45 | 0.27 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero2 | 2/9/2021 | 13:15:45 | 0.27 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |

| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | | |
| run9 | 2/9/2021 | 13:18:00 | 14.39 | 8.4 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:18:15 | 13.86 | 8.4 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:18:30 | 13.76 | 8.4 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:18:45 | 13.77 | 8.4 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:19:00 | 13.78 | 8.4 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:19:15 | 13.78 | 8.4 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:19:30 | 13.79 | 8.3 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:19:45 | 13.80 | 8.4 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:20:00 | 13.80 | 8.3 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:20:15 | 13.81 | 8.3 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:20:30 | 13.81 | 8.3 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:20:45 | 13.81 | 8.3 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:21:00 | 13.81 | 8.3 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:21:15 | 13.81 | 8.2 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:21:30 | 13.82 | 8.3 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:21:45 | 13.81 | 8.4 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:22:00 | 13.81 | 8.5 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:22:15 | 13.81 | 8.5 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:22:30 | 13.81 | 8.5 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:22:45 | 13.80 | 8.5 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:23:00 | 13.81 | 8.6 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:23:15 | 13.81 | 8.6 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:23:30 | 13.81 | 8.6 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:23:45 | 13.81 | 8.6 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:24:00 | 13.81 | 8.5 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:24:15 | 13.81 | 8.5 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:24:30 | 13.81 | 8.4 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:24:45 | 13.82 | 8.4 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:25:00 | 13.82 | 8.5 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:25:15 | 13.82 | 8.5 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:25:30 | 13.82 | 8.5 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:25:45 | 13.82 | 8.4 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:26:00 | 13.82 | 8.4 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:26:15 | 13.82 | 8.4 | -0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:26:30 | 13.82 | 8.2 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:26:45 | 13.82 | 8.2 | -0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:27:00 | 13.82 | 8.2 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:27:15 | 13.83 | 8.2 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:27:30 | 13.82 | 8.1 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:27:45 | 13.82 | 8.1 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:28:00 | 13.82 | 8.2 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:28:15 | 13.83 | 8.3 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:28:30 | 13.82 | 8.4 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:28:45 | 13.81 | 8.4 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:29:00 | 13.80 | 8.4 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:29:15 | 13.81 | 8.5 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:29:30 | 13.81 | 8.5 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:29:45 | 13.81 | 8.4 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:30:00 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:30:15 | 13.81 | 8.3 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:30:30 | 13.82 | 8.3 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:30:45 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:31:00 | 13.82 | 8.3 | 0.0 | | | | | | | | | |
| run9 | 2/9/2021 | 13:31:15 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:31:30 | 13.82 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:31:45 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:32:00 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:32:15 | 13.81 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:32:30 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:32:45 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:33:00 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:33:15 | 13.82 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:33:30 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:33:45 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:34:00 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:34:15 | 13.83 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:34:30 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:34:45 | 13.81 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:35:00 | 13.81 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:35:15 | 13.81 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:35:30 | 13.81 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:35:45 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:36:00 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:36:15 | 13.82 | 8.3 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:36:30 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:36:45 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:37:00 | 13.81 | 8.4 | 0.2 | | | | | | | | | |
| run9 | 2/9/2021 | 13:37:15 | 13.80 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:37:30 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:37:45 | 13.80 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:38:00 | 13.81 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:38:15 | 13.82 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:38:30 | 13.82 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:38:45 | 13.82 | 8.5 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:39:00 | 13.82 | 8.4 | 0.1 | | | | | | | | | |
| run9 | 2/9/2021 | 13:39:15 | 13.85 | 8.5 | 0.1 | | | | | | | | | |
| averun9 | 2/9/2021 | 13:18:00 | 13.82 | 8.4 | 0.0 | 21 | | | | | | | | |
| scg5 | 2/9/2021 | 13:39:30 | 13.83 | 8.4 | 0.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:39:45 | 13.84 | 8.3 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:40:00 | 13.83 | 8.3 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:40:15 | 13.82 | 7.4 | 0.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:40:30 | 13.82 | 2.3 | 0.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:40:45 | 14.54 | 5.9 | 4.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:41:00 | 9.94 | 8.5 | 7.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:41:15 | 2.64 | 9.0 | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:41:30 | 0.51 | 9.0 | 9.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 13:41:45 | 0.32 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan2 | 2/9/2021 | 13:41:45 | 0.32 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan2 | 2/9/2021 | 13:41:45 | 0.32 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:42:00 | 0.29 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:42:15 | 0.27 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:42:30 | 0.26 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:42:45 | 0.25 | 9.0 | 9.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:43:00 | 0.25 | 9.0 | 8.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:43:15 | 0.31 | 3.0 | 5.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:43:30 | 2.85 | 0.2 | 1.9 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:43:45 | 6.86 | 0.2 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:44:00 | 9.29 | 0.1 | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:44:15 | 10.10 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:44:30 | 10.23 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 13:44:45 | 10.24 | 0.1 | -0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span2 | 2/9/2021 | 13:44:30 | 10.23 | 0.1 | -0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:45:00 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 13:45:15 | 10.26 | 0.1 | -0.7 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| name | | | O2 4C By | NOx 4C By | CO 4C By | | | | | | | | | | |
| sn | | | 1420C/2741 | 1336459882 | CM08460059 | | | | | | | | | | |
| offset | | | 0 | 0 | 0 | | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | | | | | | | | | | |
| train | | | 2 | 2 | 2 | | | | | | | | | | |
| gastype | | | o2 3a | nox 7e | co 10 | | | | | | | | | | |
| scg1 | 2/9/2021 | 13:45:30 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:45:45 | 10.26 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:46:00 | 10.27 | 0.1 | -0.6 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:46:15 | 9.84 | 0.1 | -0.5 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:46:30 | 6.09 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:46:45 | 2.27 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:47:00 | 0.59 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:47:15 | 0.29 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 13:47:30 | 0.26 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| o2zero2 | 2/9/2021 | 13:47:30 | 0.26 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| noxzero2 | 2/9/2021 | 13:47:30 | 0.26 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| cozero2 | 2/9/2021 | 13:47:30 | 0.26 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| so2zero | | | | | | | | | | | | | | | |
| so2span | | | | | | | | | | | | | | | |
| noxzero | | | | | | | | | | | | | | | |
| noxspan | | | | | | | | | | | | | | | |
| co2zero | | | | | | | | | | | | | | | |
| co2span | | | | | | | | | | | | | | | |
| o2zero | | | | | | | | | | | | | | | |
| o2span | | | | | | | | | | | | | | | |
| thczero | | | | | | | | | | | | | | | |
| thcspan | | | | | | | | | | | | | | | |
| cozero | | | | | | | | | | | | | | | |
| cospan | | | | | | | | | | | | | | | |
| so2ezero | Parameter Not Found | | | | | | | | | | | | | | |
| so2mid | Parameter Not Found | | | | | | | | | | | | | | |
| so2high | Parameter Not Found | | | | | | | | | | | | | | |
| noxezero | Parameter Not Found | | | | | | | | | | | | | | |
| noxlow | Parameter Not Found | | | | | | | | | | | | | | |
| noxmid | Parameter Not Found | | | | | | | | | | | | | | |
| noxhigh | Parameter Not Found | | | | | | | | | | | | | | |
| co2ezero | Parameter Not Found | | | | | | | | | | | | | | |
| co2mid | Parameter Not Found | | | | | | | | | | | | | | |
| co2high | Parameter Not Found | | | | | | | | | | | | | | |
| o2ezero | Parameter Not Found | | | | | | | | | | | | | | |
| o2mid | Parameter Not Found | | | | | | | | | | | | | | |
| o2high | Parameter Not Found | | | | | | | | | | | | | | |
| thcezero | Parameter Not Found | | | | | | | | | | | | | | |
| thclow | Parameter Not Found | | | | | | | | | | | | | | |
| thcmid | Parameter Not Found | | | | | | | | | | | | | | |
| thchigh | Parameter Not Found | | | | | | | | | | | | | | |
| coezero | Parameter Not Found | | | | | | | | | | | | | | |
| colow | Parameter Not Found | | | | | | | | | | | | | | |
| comid | Parameter Not Found | | | | | | | | | | | | | | |
| cohigh | Parameter Not Found | | | | | | | | | | | | | | |
| End | | | | | | | | | | | | | | | |

# Unit 4D HRSG

$NO_X$, CO, and $O_2$ Calculations of Average Emissions, Raw Data

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.10 % | 0.08 % | 0.09 |
| 10.26 percent $O_2$ | 10.00 % | 9.99 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 9.0 ppm | 8.91 |
| 0.0 ppm CO | 0.1 ppm | 0.0 ppm | 0.05 |
| 9.4 ppm CO | 9.2 ppm | 9.3 ppm | 9.27 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.2 ppm $NO_X$ | **8.6** ppm $NO_X$ | DRY |
| 1.2 ppm CO | **1.1** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**7.2** NOxppm @ 15% O2 from O2
**0.9** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.09 % | 0.09 |
| 10.26 percent $O_2$ | 9.99 % | 10.01 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.02 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 8.98 |
| 0.0 ppm CO | 0.0 ppm | 0.1 ppm | 0.04 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.31 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.3 ppm $NO_X$ | **8.6** ppm $NO_X$ | DRY |
| 1.2 ppm CO | **1.2** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**7.2** NOxppm @ 15% O2 from O2
**1.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.09 % | 0.09 % | 0.09 |
| 10.26 percent $O_2$ | 10.01 % | 10.00 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 9.01 |
| 0.0 ppm CO | 0.1 ppm | 0.0 ppm | 0.04 |
| 9.4 ppm CO | 9.3 ppm | 9.2 ppm | 9.29 |

| Mean Reference Values: | Corrected Results: | Basis: |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.2 ppm $NO_X$ | **8.5** ppm $NO_X$ | DRY |
| 1.2 ppm CO | **1.2** ppm CO | DRY |

**Emission Calculations:**

**0.026** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**7.2** NOxppm @ 15% O2 from O2
**1.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.09 % | 0.08 % | 0.09 |
| 10.26 percent $O_2$ | 10.00 % | 10.00 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 9.02 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.3 ppm | 9.26 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.2 ppm $NO_X$ | **8.5** ppm $NO_X$ | DRY |
| 1.2 ppm CO | **1.2** ppm CO | DRY |

**Emission Calculations:**

**0.026** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**7.2** NOxppm @ 15% O2 from O2
**1.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.09 % | 0.08 |
| 10.26 percent $O_2$ | 10.00 % | 10.00 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.0 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.0 ppm | 9.04 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.04 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.28 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.2 ppm $NO_X$ | **8.5** ppm $NO_X$ | DRY |
| 1.2 ppm CO | **1.2** ppm CO | DRY |

**Emission Calculations:**

**0.026** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**7.2** NOxppm @ 15% O2 from O2
**1.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.09 % | 0.09 % | 0.09 |
| 10.26 percent $O_2$ | 10.00 % | 10.00 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 9.1 ppm | 9.05 |
| 0.0 ppm CO | 0.0 ppm | 0.1 ppm | 0.06 |
| 9.4 ppm CO | 9.3 ppm | 9.2 ppm | 9.27 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **14.0** percent $O_2$ | DRY |
| 8.2 ppm $NO_X$ | **8.4** ppm $NO_X$ | DRY |
| 1.2 ppm CO | **1.1** ppm CO | DRY |

**Emission Calculations:**

**0.026** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**7.2** NOxppm @ 15% O2 from O2
**0.9** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.09 % | 0.08 % | 0.09 |
| 10.26 percent $O_2$ | 10.00 % | 10.00 % | 10.00 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 9.1 ppm | 9.1 ppm | 9.08 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.4 ppm CO | 9.2 ppm | 9.3 ppm | 9.27 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.7 ppm $NO_X$ | **9.0** ppm $NO_X$ | DRY |
| 1.1 ppm CO | **1.1** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**7.6** NOxppm @ 15% O2 from O2
**0.9** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.08 % | 0.08 |
| 10.26 percent $O_2$ | 10.00 % | 9.99 % | 9.99 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 9.1 ppm | 9.1 ppm | 9.11 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.07 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.29 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **14.0** percent $O_2$ | DRY |
| 9.9 ppm $NO_X$ | **10.2** ppm $NO_X$ | DRY |
| 0.8 ppm CO | **0.8** ppm CO | DRY |

**Emission Calculations:**

**0.032** NOX lb/MMBtu from O2
**0.002** CO lb/MMBtu from O2

**8.7** NOxppm @ 15% O2 from O2
**0.7** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D HRSG (EU -041)
RATA/Comp
Date:2/9/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.08 % | 0.09 % | 0.09 |
| 10.26 percent $O_2$ | 9.99 % | 9.99 % | 9.99 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.06 |
| 9.3 ppm $NO_X$ | 9.1 ppm | 9.1 ppm | 9.12 |
| 0.0 ppm CO | 0.1 ppm | 0.1 ppm | 0.07 |
| 9.4 ppm CO | 9.3 ppm | 9.3 ppm | 9.29 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.6 percent $O_2$ | **14.0** percent $O_2$ | DRY |
| 9.3 ppm $NO_X$ | **9.5** ppm $NO_X$ | DRY |
| 0.7 ppm CO | **0.6** ppm CO | DRY |

**Emission Calculations:**

| | |
|---|---|
| **0.030** NOX lb/MMBtu from O2 | **8.1** NOxppm @ 15% O2 from O2 |
| **0.001** CO lb/MMBtu from O2 | **0.5** COppm @ 15% O2 from O2 |

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| filename | | 2/9/2021 | 7:30:10 | C:\RM\DATA\20210209.CSV | | | | | | | | | | | | | | |
| testby1 | C.E.M. Solutions, Inc. | | | | | | | | | | | | | | | | | |
| testby2 | 1183 E. Overdrive Circle | | | | | | | | | | | | | | | | | |
| testby3 | Hernando, FL 34442 | | | | | | | | | | | | | | | | | |
| testby4 | (352) 489-4337 | | | | | | | | | | | | | | | | | |
| testfor1 | Duke Energy Florida | | | | | | | | | | | | | | | | | |
| testfor2 | Bartow | | | | | | | | | | | | | | | | | |
| testfor3 | 4D HRSG (EU -041) | | | | | | | | | | | | | | | | | |
| testfor4 | RATA/Comp | | | | | | | | | | | | | | | | | |
| name | | | | O2 4D H | | CO2 4D H | | NOx 4D H | | CO 4D H | | | | | | | | |
| sn | | | | 01420D/3379 | | 01415D/3379 | | 934838563 | | 1336459888 | | | | | | | | |
| offset | | | | 0 | | 0 | | 0 | | 0 | | | | | | | | |
| fullscale | | | | 25 | | 25 | | 25 | | 25 | | | | | | | | |
| train | | | | 1 | | 1 | | 1 | | 1 | | | | | | | | |
| gastype | | | | o2 3a | | co2 3a | | nox 7e | | co 10 | | | | | | | | |
| dcg1 | | 2/9/2021 | 7:31:30 | 20.39 | | -0.08 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:31:45 | 8.40 | | -0.11 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:00 | 0.13 | | -0.13 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:15 | 0.02 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:30 | -0.01 | | -0.14 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:45 | 0.00 | | -0.13 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:00 | 0.00 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:15 | -0.02 | | -0.14 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:30 | -0.02 | | -0.14 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:45 | -0.02 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:00 | -0.02 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:15 | -0.02 | | -0.09 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:30 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:35:00 | -0.02 | | -0.08 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2ezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2ezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| coezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:15 | -0.03 | | -0.08 | | 0.0 | | 0.1 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:30 | 11.82 | | 7.19 | | 0.0 | | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:45 | 20.00 | | 18.66 | | 0.0 | | -0.3 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:00 | 20.55 | | 22.30 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:15 | 20.57 | | 22.53 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:30 | 20.57 | | 22.63 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:45 | 20.58 | | 22.71 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:00 | 20.58 | | 22.76 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:15 | 20.59 | | 22.82 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:30 | 20.59 | | 22.86 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:45 | 20.59 | | 22.94 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:00 | 21.08 | | 23.01 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:15 | 20.96 | | 23.03 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:30 | 21.09 | | 23.06 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:45 | 21.41 | | 23.08 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:00 | 20.63 | | 23.10 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:15 | 20.63 | | 23.12 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:30 | 20.64 | | 23.13 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:45 | 20.64 | | 22.99 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| o2high1 | | 2/9/2021 | 7:39:45 | 20.64 | | 22.99 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| co2high1 | | 2/9/2021 | 7:39:45 | 20.64 | | 22.99 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:00 | 20.64 | | 22.97 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:15 | 16.01 | | 17.39 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:30 | 9.14 | | 8.43 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:45 | 9.68 | | 10.32 | | 0.0 | | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:00 | 10.03 | | 11.65 | | 0.0 | | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:15 | 10.05 | | 11.72 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:30 | 10.05 | | 11.71 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:45 | 10.05 | | 11.68 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:00 | 10.04 | | 11.67 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:15 | 10.05 | | 11.66 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:30 | 10.05 | | 11.65 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:45 | 10.05 | | 11.64 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:00 | 10.05 | | 11.63 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:15 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:30 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2mid1 | | 2/9/2021 | 7:43:30 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2mid1 | | 2/9/2021 | 7:43:30 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:43:45 | 10.04 | | 11.61 | | 0.0 | | -0.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:00 | 7.62 | | 9.03 | | 0.0 | | -0.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:15 | 0.39 | | 0.70 | | 2.5 | | 6.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:30 | 0.08 | | 0.35 | | 5.5 | | 15.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:45 | 0.02 | | 0.29 | | 16.9 | | 21.0 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:00 | 0.01 | | 0.24 | | 22.0 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:15 | 0.00 | | 0.20 | | 22.3 | | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:30 | 0.00 | | 0.17 | | 22.3 | | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:45 | 0.00 | | 0.14 | | 22.4 | | 22.5 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:00 | 0.00 | | 0.12 | | 22.4 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:15 | -0.01 | | 0.10 | | 22.4 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:30 | -0.01 | | 0.07 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:45 | -0.01 | | 0.06 | | 22.4 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:47:00 | -0.01 | | 0.05 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| noxhigh1 | | 2/9/2021 | 7:47:00 | -0.01 | | 0.05 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| cohigh1 | | 2/9/2021 | 7:47:00 | -0.01 | | 0.05 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:15 | -0.02 | | 0.03 | | 22.4 | | 22.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:30 | 0.07 | | 0.05 | | 20.9 | | 21.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:45 | 0.01 | | 0.01 | | 9.4 | | 15.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:00 | -0.02 | | 0.00 | | 8.6 | | 11.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:15 | -0.02 | | 0.00 | | 9.2 | | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:30 | -0.02 | | -0.01 | | 9.1 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:45 | -0.03 | | -0.02 | | 9.1 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:49:00 | -0.02 | | -0.02 | | 9.0 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:49:30 | 0.00 | | -0.02 | | 9.6 | | 9.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:49:45 | -0.02 | | -0.03 | | 13.2 | | 11.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:00 | -0.02 | | -0.04 | | 17.8 | | 14.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:15 | -0.03 | | -0.04 | | 23.9 | | 19.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:30 | -0.03 | | -0.04 | | 23.0 | | 21.8 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:45 | -0.03 | | -0.04 | | 22.5 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:00 | -0.04 | | -0.05 | | 22.4 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:15 | -0.03 | | -0.05 | | 22.4 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:30 | -0.03 | | -0.05 | | 22.3 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:45 | -0.04 | | -0.06 | | 22.3 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:00 | -0.03 | | -0.06 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:15 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:30 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| noxhigh1 | | 2/9/2021 | 7:52:30 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| cohigh1 | | 2/9/2021 | 7:52:30 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:52:45 | -0.04 | | -0.06 | | 22.5 | | 22.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:00 | -0.03 | | -0.06 | | 22.5 | | 22.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:15 | -0.04 | | -0.06 | | 15.9 | | 18.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:30 | -0.04 | | -0.06 | | 9.3 | | 12.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:45 | -0.04 | | -0.06 | | 9.3 | | 9.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:00 | -0.04 | | -0.06 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:15 | -0.04 | | -0.07 | | 9.2 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:30 | -0.04 | | -0.07 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxmid1 | | 2/9/2021 | 7:54:30 | -0.04 | | -0.07 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| comid1 | | 2/9/2021 | 7:54:30 | -0.04 | | -0.07 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | |
| dcg6 | 2/9/2021 | 7:55:45 | 20.48 | -0.02 | 0.2 | 0.3 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:00 | 20.45 | -0.02 | 0.2 | 0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:15 | 20.33 | -0.05 | 2.0 | 0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:30 | 20.67 | -0.07 | 14.9 | 0.0 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:45 | 20.72 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:00 | 20.73 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:15 | 20.74 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:30 | 20.75 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:45 | 20.75 | -0.07 | 25.4 | 0.0 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:00 | 20.76 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:15 | 20.76 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:30 | 20.76 | -0.08 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:45 | 20.77 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:00 | 20.77 | -0.07 | 25.3 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:15 | 20.77 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:30 | 20.78 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:45 | 20.79 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 8:00:00 | 20.79 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 8:00:15 | 20.78 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:00:30 | 20.79 | -0.08 | 25.4 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:00:45 | 14.22 | -0.07 | 25.4 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:00 | 0.45 | -0.07 | 16.6 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:15 | 0.06 | -0.08 | 0.6 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:30 | 0.05 | -0.08 | 0.4 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:45 | 0.04 | -0.08 | 0.4 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:00 | 0.03 | -0.08 | 0.3 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:15 | 0.02 | -0.08 | 0.3 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:30 | 0.01 | -0.07 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:45 | 0.00 | -0.08 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:00 | -0.01 | -0.08 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:15 | 0.00 | -0.08 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:30 | -0.01 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:45 | -0.01 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:00 | -0.01 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:15 | -0.01 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:30 | -0.01 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:45 | -0.01 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:00 | -0.02 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:15 | -0.02 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:30 | -0.02 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:45 | -0.03 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:00 | -0.02 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:15 | -0.02 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:30 | -0.02 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:45 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:00 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:15 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:30 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:45 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:00 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:15 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:30 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:45 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:00 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:15 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:30 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:45 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:10:00 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:10:45 | 16.81 | -0.04 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:00 | 17.62 | -0.04 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:15 | 20.43 | -0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:30 | 14.59 | -0.04 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:45 | 1.03 | -0.07 | 0.3 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:00 | 0.30 | -0.08 | 0.2 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:15 | 0.20 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:30 | 0.18 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:45 | 0.15 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:00 | 0.14 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:15 | 0.13 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:30 | 0.11 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:45 | 0.11 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:14:00 | 0.11 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| co2zero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg3 | 2/9/2021 | 8:14:30 | 0.10 | -0.07 | 0.1 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:14:45 | 0.10 | -0.07 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:00 | 0.09 | -0.07 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:15 | 0.28 | -0.07 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:30 | 5.57 | 5.11 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:45 | 9.72 | 10.25 | 0.0 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:00 | 9.94 | 10.89 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:15 | 9.97 | 11.05 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:30 | 9.98 | 11.11 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:45 | 9.99 | 11.17 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:17:00 | 9.99 | 11.21 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:17:15 | 9.99 | 11.24 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:17:30 | 10.00 | 11.27 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span1 | 2/9/2021 | 8:17:30 | 10.00 | 11.27 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| co2span1 | 2/9/2021 | 8:17:15 | 9.99 | 11.24 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/9/2021 | 8:17:45 | 10.00 | 11.29 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:00 | 10.01 | 11.31 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:15 | 10.00 | 11.33 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:30 | 10.10 | 11.26 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:45 | 4.46 | 5.56 | 0.2 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:00 | 0.32 | 0.70 | 6.8 | 3.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:15 | 0.17 | 0.40 | 8.5 | 7.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:30 | 0.13 | 0.29 | 8.8 | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:45 | 0.12 | 0.23 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:20:00 | 0.10 | 0.18 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:20:15 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan1 | 2/9/2021 | 8:20:15 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan1 | 2/9/2021 | 8:20:15 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| run1 | 2/9/2021 | 8:32:00 | 13.52 | 3.98 | 8.3 | 1.2 | | | | | | | |
| run1 | 2/9/2021 | 8:32:15 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:32:30 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:32:45 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:33:00 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:33:15 | 13.54 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run1 | 2/9/2021 | 8:33:30 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:33:45 | 13.53 | 3.99 | 8.3 | 1.2 | | | | | | | |
| run1 | 2/9/2021 | 8:34:00 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:34:15 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run1 | 2/9/2021 | 8:34:30 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:34:45 | 13.53 | 3.98 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:00 | 13.54 | 3.99 | 8.4 | 1.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:15 | 13.53 | 3.99 | 8.3 | 1.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:30 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:45 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:00 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:15 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:30 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:45 | 13.54 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:00 | 13.54 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:30 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:45 | 13.56 | 3.97 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:00 | 13.55 | 3.97 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:45 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:00 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:45 | 13.55 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:00 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:45 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:00 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:15 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:30 | 13.55 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:45 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:00 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:45 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:00 | 13.54 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:15 | 13.55 | 3.98 | 7.8 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:30 | 13.55 | 3.98 | 7.7 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:45 | 13.55 | 3.98 | 7.8 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:00 | 13.54 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:15 | 13.54 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:30 | 13.55 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:45 | 13.54 | 3.97 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:00 | 13.54 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:15 | 13.55 | 3.97 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:30 | 13.54 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:45 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:00 | 13.54 | 3.99 | 8.3 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:15 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:30 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:45 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:00 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:15 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:30 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:45 | 13.62 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:00 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:15 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:30 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:00 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:15 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:30 | 13.55 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:45 | 13.55 | 3.99 | 8.2 | 1.8 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:00 | 13.55 | 3.99 | 7.7 | 1.9 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:15 | 13.55 | 3.99 | 7.9 | 1.5 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:30 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:45 | 13.56 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:00 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:15 | 13.56 | 3.99 | 8.0 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:30 | 13.55 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:45 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:30 | 13.55 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:45 | 13.55 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:15 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:45 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:00 | 13.56 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:30 | 13.56 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:00 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:45 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:56:00 | 13.56 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| averun1 | 2/9/2021 | 8:35:00 | 13.55 | 3.98 | 8.2 | 1.2 | 21 | | | | | | | | |
| scg5 | 2/9/2021 | 8:56:15 | 13.56 | 3.99 | 8.1 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:56:30 | 13.57 | 3.98 | 8.0 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:56:45 | 13.57 | 3.98 | 8.0 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:00 | 12.43 | 3.57 | 8.0 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:15 | 1.91 | 0.55 | 7.6 | 2.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:30 | 0.27 | 0.18 | 7.8 | 6.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:45 | 0.18 | 0.11 | 8.9 | 8.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:00 | 0.16 | 0.08 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:15 | 0.14 | 0.06 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:30 | 0.13 | 0.04 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:45 | 0.12 | 0.03 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/9/2021 | 8:58:30 | 0.13 | 0.04 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/9/2021 | 8:58:30 | 0.13 | 0.04 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:00 | 0.11 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:15 | 0.11 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:30 | 0.10 | 0.00 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:45 | 0.73 | 0.27 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:00 | 8.15 | 8.26 | 6.7 | 7.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:15 | 9.86 | 10.65 | 0.6 | 3.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:30 | 9.96 | 11.03 | 0.1 | 0.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:45 | 9.98 | 11.12 | 0.1 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:00 | 9.99 | 11.19 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:15 | 9.99 | 11.24 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:30 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:45 | 10.00 | 11.30 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/9/2021 | 9:01:30 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/9/2021 | 9:01:30 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg1 | 2/9/2021 | 9:02:00 | 10.00 | 11.32 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:02:15 | 10.00 | 11.34 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:02:30 | 10.01 | 11.36 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:02:45 | 8.19 | 9.44 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:00 | 0.77 | 1.35 | 0.0 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:15 | 0.20 | 0.50 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:30 | 0.15 | 0.34 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:45 | 0.12 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:00 | 0.11 | 0.21 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:15 | 0.11 | 0.18 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:30 | 0.10 | 0.14 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:45 | 0.10 | 0.12 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:05:00 | 0.09 | 0.09 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run2 | 2/9/2021 | 9:25:00 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:15 | 13.55 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:45 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:00 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:15 | 13.55 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:30 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:00 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:15 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:30 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:45 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:00 | 13.54 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:15 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:30 | 13.55 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:45 | 13.54 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:00 | 13.55 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:15 | 13.55 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:30 | 13.54 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:45 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:00 | 13.55 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:15 | 13.55 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:30 | 13.55 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:00 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:15 | 13.53 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:30 | 13.54 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:45 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:00 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:15 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:30 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:00 | 13.55 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:15 | 13.56 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:30 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:45 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:45 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:00 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:15 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:30 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:00 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:15 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:30 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:00 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:15 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:30 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:00 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:15 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:45 | 13.57 | 3.98 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:00 | 13.56 | 3.99 | 8.0 | 1.5 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:15 | 13.57 | 3.99 | 7.9 | 1.5 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:30 | 13.57 | 3.99 | 7.9 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:45 | 13.58 | 3.98 | 7.9 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:00 | 13.58 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:15 | 13.56 | 3.98 | 8.1 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:30 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:45 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:00 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:15 | 13.54 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:30 | 13.53 | 4.00 | 8.5 | 1.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:45 | 13.54 | 4.00 | 8.5 | 1.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:00 | 13.54 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:15 | 13.54 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:30 | 13.54 | 3.99 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:45 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:00 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:15 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:30 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:45 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:00 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:15 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:30 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:46:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| averun2 | 2/9/2021 | 9:25:00 | 13.55 | 3.99 | 8.3 | 1.2 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 9:46:30 | 13.57 | 3.99 | 8.2 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:46:45 | 13.57 | 3.99 | 8.1 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:00 | 15.07 | 3.28 | 8.1 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:15 | 15.60 | 0.50 | 4.2 | 0.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:30 | 2.06 | 0.21 | 1.8 | 1.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:45 | 0.29 | 0.11 | 6.7 | 5.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:00 | 0.19 | 0.07 | 8.8 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:15 | 0.16 | 0.05 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:30 | 0.14 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:45 | 0.13 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:49:00 | 0.12 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg5 | 2/9/2021 | 9:49:15 | 0.11 | 0.01 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:49:30 | 0.11 | 0.00 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 | 9:49:30 | 0.11 | 0.00 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 | 9:49:30 | 0.11 | 0.00 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:49:45 | 0.10 | -0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:00 | 0.10 | -0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:15 | 0.09 | -0.02 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:30 | 0.10 | -0.02 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:50:45 | 6.17 | 5.96 | 8.3 | 8.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:00 | 9.75 | 10.45 | 1.0 | 4.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:15 | 9.94 | 10.99 | 0.2 | 1.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:30 | 9.97 | 11.11 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:51:45 | 9.99 | 11.18 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:00 | 9.99 | 11.23 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:15 | 10.00 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:30 | 10.00 | 11.30 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:52:45 | 10.00 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 9:53:00 | 10.01 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 | 9:53:00 | 10.01 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 | 9:53:00 | 10.01 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:53:15 | 10.01 | 11.37 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:53:30 | 10.01 | 11.38 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:53:45 | 10.01 | 11.40 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:00 | 10.09 | 11.33 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:15 | 4.64 | 5.80 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:30 | 0.32 | 0.74 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:54:45 | 0.17 | 0.43 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:00 | 0.14 | 0.32 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:15 | 0.12 | 0.25 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:30 | 0.11 | 0.20 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:55:45 | 0.10 | 0.17 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run3 | 2/9/2021 | 10:01:00 | 13.56 | 3.94 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:01:15 | 13.57 | 3.95 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:01:30 | 13.57 | 3.95 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:01:45 | 13.56 | 3.96 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:00 | 13.56 | 3.96 | 8.2 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:15 | 13.56 | 3.96 | 8.2 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:30 | 13.55 | 3.97 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:02:45 | 13.56 | 3.97 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:00 | 13.56 | 3.97 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:15 | 13.56 | 3.97 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:30 | 13.57 | 3.97 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:03:45 | 13.57 | 3.98 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:00 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:15 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:30 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:04:45 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:00 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:30 | 13.57 | 3.98 | 8.2 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:05:45 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:15 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:30 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:06:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:15 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:30 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:07:45 | 13.55 | 4.00 | 8.5 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:00 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:15 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:08:45 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:00 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:15 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:30 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:09:45 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:00 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:15 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:30 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:10:45 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:00 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:15 | 13.55 | 4.00 | 8.5 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:30 | 13.55 | 4.01 | 8.5 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:11:45 | 13.55 | 4.01 | 8.5 | 1.0 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:00 | 13.56 | 4.01 | 8.4 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:15 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:30 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:12:45 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:00 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:30 | 13.58 | 3.98 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:13:45 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:00 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:15 | 13.59 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:30 | 13.58 | 3.98 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:14:45 | 13.58 | 3.98 | 8.2 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:00 | 13.58 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:30 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:15:45 | 13.58 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:00 | 13.59 | 4.00 | 9.2 | 1.4 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:15 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:30 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:16:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:15 | 13.57 | 3.98 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:17:45 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:15 | 13.57 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:30 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:18:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:15 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:19:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:15 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |

| name | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run3 | 2/9/2021 10:20:45 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 10:21:00 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 10:21:15 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 10:21:30 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 10:21:45 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| averun3 | 2/9/2021 10:01:00 | 13.57 | 3.99 | 8.2 | 1.2 | | 21 | | | | | | |
| scg5 | 2/9/2021 10:22:15 | 13.56 | 4.00 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:22:30 | 13.57 | 4.00 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:22:45 | 15.05 | 2.39 | 8.1 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:23:00 | 3.39 | 0.37 | 2.8 | 1.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:23:15 | 0.33 | 0.14 | 5.7 | 4.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:23:30 | 0.19 | 0.09 | 8.5 | 7.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:23:45 | 0.15 | 0.07 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:24:00 | 0.14 | 0.05 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:24:15 | 0.12 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:24:30 | 0.12 | 0.02 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 10:24:30 | 0.12 | 0.02 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 10:24:30 | 0.12 | 0.02 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 10:24:45 | 0.11 | 0.02 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:25:00 | 0.11 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:25:15 | 0.10 | 0.00 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:25:30 | 1.22 | 0.83 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:25:45 | 8.75 | 9.20 | 5.5 | 7.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:26:00 | 9.89 | 10.82 | 0.6 | 3.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:26:15 | 9.97 | 11.07 | 0.1 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:26:30 | 9.98 | 11.16 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:26:45 | 9.99 | 11.22 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:27:00 | 10.00 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:27:15 | 10.00 | 11.30 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:27:30 | 10.00 | 11.33 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 10:27:30 | 10.00 | 11.33 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 10:27:30 | 10.00 | 11.33 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 10:27:45 | 10.00 | 11.34 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:28:00 | 10.01 | 11.36 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:28:15 | 10.01 | 11.39 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:28:30 | 9.92 | 11.35 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:28:45 | 2.71 | 3.76 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:29:00 | 0.26 | 0.63 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:29:15 | 0.16 | 0.40 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:29:30 | 0.13 | 0.30 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:29:45 | 0.12 | 0.24 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:30:00 | 0.11 | 0.19 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:30:15 | 0.10 | 0.16 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 10:30:45 | 0.09 | 0.11 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run4 | 2/9/2021 10:34:00 | 13.53 | 3.96 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:34:15 | 13.53 | 3.97 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:34:30 | 13.53 | 3.98 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:34:45 | 13.54 | 3.96 | 8.1 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:35:00 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:35:15 | 13.54 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:35:30 | 13.55 | 3.97 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:35:45 | 13.55 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:36:00 | 13.54 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:36:15 | 13.54 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:36:30 | 13.54 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:36:45 | 13.54 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:37:00 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:37:15 | 13.54 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:37:30 | 13.54 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:37:45 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:38:00 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:38:15 | 13.55 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:38:30 | 13.55 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:38:45 | 13.54 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:39:00 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:39:15 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:39:30 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:39:45 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:40:00 | 13.54 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:40:15 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:40:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:40:45 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:41:00 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:41:15 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:41:30 | 13.57 | 4.01 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:41:45 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:42:00 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:42:15 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:42:30 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:42:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:43:00 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:43:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:43:30 | 13.56 | 4.00 | 8.1 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:43:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:44:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:44:15 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:44:30 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:44:45 | 13.58 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:45:00 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:45:15 | 13.58 | 3.99 | 8.0 | 1.4 | | | | | | | | |
| run4 | 2/9/2021 10:45:30 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:45:45 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:46:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:46:15 | 13.57 | 4.00 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:46:30 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:46:45 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:47:00 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:47:15 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:47:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:47:45 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:48:00 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:48:15 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:48:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:48:45 | 13.56 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:49:00 | 13.57 | 4.00 | 8.4 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:49:15 | 13.59 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:49:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:49:45 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:50:00 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 10:50:15 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | |

| name | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run4 | 2/9/2021 10:50:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:50:45 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:51:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:51:15 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:51:30 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:51:45 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:52:00 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:52:15 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:52:30 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:52:45 | 13.54 | 4.01 | 8.5 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:53:00 | 13.54 | 4.01 | 8.6 | 1.0 | | | | | | | | |
| run4 | 2/9/2021 10:53:15 | 13.55 | 4.01 | 8.5 | 1.0 | | | | | | | | |
| run4 | 2/9/2021 10:53:30 | 13.56 | 4.00 | 8.4 | 1.0 | | | | | | | | |
| run4 | 2/9/2021 10:53:45 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:54:00 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 10:54:15 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:54:30 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:54:45 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 10:55:00 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| averun4 | 2/9/2021 10:34:00 | 13.56 | 3.99 | 8.2 | 1.2 | 21 | | | | | | | |
| scg5 | 2/9/2021 10:55:15 | 13.57 | 3.99 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:55:30 | 13.57 | 4.00 | 8.3 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:55:45 | 14.09 | 3.78 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:56:00 | 14.51 | 0.80 | 5.9 | 1.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:56:15 | 1.50 | 0.24 | 2.3 | 1.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:56:30 | 0.26 | 0.12 | 6.9 | 5.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:56:45 | 0.18 | 0.09 | 8.9 | 8.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:57:00 | 0.15 | 0.07 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:57:15 | 0.13 | 0.05 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:57:30 | 0.12 | 0.04 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:57:45 | 0.12 | 0.03 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 10:58:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 10:58:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 10:58:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 10:58:15 | 0.10 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:58:30 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:58:45 | 0.09 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:59:00 | 1.22 | 0.66 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:59:15 | 8.66 | 9.05 | 5.7 | 7.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:59:30 | 9.89 | 10.82 | 0.6 | 3.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 10:59:45 | 9.96 | 11.07 | 0.1 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 11:00:00 | 9.98 | 11.15 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 11:00:15 | 9.99 | 11.22 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 11:00:30 | 9.99 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 11:00:45 | 9.99 | 11.30 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 11:01:00 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 11:01:15 | 10.01 | 11.35 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 11:01:00 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 11:01:00 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 11:01:30 | 10.01 | 11.37 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:01:45 | 10.01 | 11.39 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:02:00 | 10.01 | 11.40 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:02:15 | 10.10 | 11.34 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:02:30 | 4.75 | 5.93 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:02:45 | 0.34 | 0.77 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:03:00 | 0.17 | 0.44 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:03:15 | 0.13 | 0.33 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:03:30 | 0.12 | 0.26 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:03:45 | 0.11 | 0.22 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:04:00 | 0.10 | 0.18 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:04:15 | 0.09 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:04:30 | 0.09 | 0.13 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:05:00 | 0.08 | 0.09 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 11:05:15 | 0.07 | 0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run5 | 2/9/2021 11:08:00 | 13.50 | 3.96 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:08:15 | 13.50 | 3.97 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:08:30 | 13.51 | 3.97 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:08:45 | 13.51 | 3.98 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:09:00 | 13.51 | 3.98 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:09:15 | 13.52 | 3.98 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:09:30 | 13.53 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:09:45 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:10:00 | 13.54 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:10:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:10:30 | 13.56 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:10:45 | 13.56 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:11:00 | 13.56 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:11:15 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:11:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:11:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:12:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:12:15 | 13.56 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:12:30 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:12:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:13:00 | 13.55 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:13:15 | 13.54 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:13:30 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:13:45 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:14:00 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 11:14:15 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:14:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:14:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:15:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:15:15 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:15:30 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:15:45 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:16:00 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:16:15 | 13.57 | 4.00 | 8.0 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:16:30 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:16:45 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:17:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:17:15 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:17:30 | 13.57 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:17:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:18:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:18:15 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:18:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:18:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 11:19:00 | 13.57 | 4.00 | 8.2 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 11:19:15 | 13.55 | 4.00 | 8.2 | 1.2 | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run5 | 2/9/2021 | 11:19:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:19:45 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:00 | 13.55 | 4.01 | 8.4 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:15 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:45 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:00 | 13.55 | 4.01 | 8.5 | 1.0 | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:15 | 13.55 | 4.01 | 8.5 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:30 | 13.55 | 4.00 | 8.5 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:45 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:00 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:15 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:30 | 13.57 | 4.00 | 8.3 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:45 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:00 | 13.56 | 4.00 | 8.2 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:15 | 13.56 | 4.00 | 8.1 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:30 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:45 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:00 | 13.57 | 4.00 | 8.2 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:15 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:30 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:00 | 13.57 | 4.00 | 8.2 | 1.1 | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:45 | 13.58 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:00 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:15 | 13.59 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:30 | 13.59 | 3.98 | 8.0 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:45 | 13.59 | 3.98 | 8.0 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:00 | 13.59 | 3.98 | 8.0 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:15 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:30 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:45 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:00 | 13.58 | 3.98 | 8.1 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:15 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:30 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run5 | 2/9/2021 | 11:29:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| averun5 | 2/9/2021 | 11:08:00 | 13.56 | 3.99 | 8.2 | 1.2 | 21 | | | | | | | | |
| scg5 | 2/9/2021 | 11:29:15 | 13.57 | 3.99 | 8.2 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:29:30 | 13.57 | 3.99 | 8.2 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:29:45 | 13.58 | 3.99 | 8.2 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:30:00 | 15.34 | 1.56 | 7.2 | 1.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:30:15 | 2.47 | 0.30 | 2.3 | 1.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:30:30 | 0.29 | 0.14 | 6.6 | 5.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:30:45 | 0.19 | 0.09 | 8.7 | 8.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:31:00 | 0.16 | 0.07 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:31:15 | 0.14 | 0.05 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:31:30 | 0.13 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:31:45 | 0.12 | 0.03 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:32:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 11:32:15 | 0.11 | 0.01 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/9/2021 | 11:32:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/9/2021 | 11:32:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:32:30 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:32:45 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:33:00 | 0.10 | -0.01 | 9.1 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:33:15 | 2.63 | 2.24 | 9.1 | 9.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:33:30 | 9.32 | 9.94 | 4.1 | 6.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:33:45 | 9.91 | 10.89 | 0.2 | 2.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:34:00 | 9.96 | 11.08 | 0.1 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:34:15 | 9.98 | 11.16 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:34:30 | 9.99 | 11.22 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:34:45 | 9.99 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:35:00 | 10.00 | 11.30 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:35:15 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 11:35:30 | 10.00 | 11.34 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/9/2021 | 11:35:15 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/9/2021 | 11:35:15 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:35:45 | 9.99 | 11.36 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:36:00 | 10.01 | 11.38 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:36:15 | 10.04 | 11.37 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:36:30 | 6.31 | 7.54 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:36:45 | 0.46 | 0.93 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:37:00 | 0.19 | 0.46 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:37:15 | 0.14 | 0.34 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:37:30 | 0.12 | 0.26 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:37:45 | 0.11 | 0.21 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:38:00 | 0.11 | 0.18 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:38:15 | 0.10 | 0.15 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 11:38:45 | 0.09 | 0.10 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2zero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run6 | 2/9/2021 | 11:42:00 | 13.53 | 3.96 | 8.0 | 1.3 | | | | | | | | | |
| run6 | 2/9/2021 | 11:42:15 | 13.53 | 3.96 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:42:30 | 13.53 | 3.96 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:42:45 | 13.54 | 3.97 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:00 | 13.53 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:15 | 13.54 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:30 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:45 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:00 | 13.55 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:15 | 13.54 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:30 | 13.54 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:45 | 13.54 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:00 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:15 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:30 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:45 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:00 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:45 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:00 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:15 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:30 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:45 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:00 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:15 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:30 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:00 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:15 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:30 | 13.58 | 4.00 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:45 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:00 | 13.56 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:15 | 13.56 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:30 | 13.57 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:45 | 13.57 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:00 | 13.57 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:15 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:30 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:45 | 13.56 | 3.99 | 8.2 | 1.0 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:00 | 13.58 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:15 | 13.58 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:30 | 13.58 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:45 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:00 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:15 | 13.57 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:45 | 13.58 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:00 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:15 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:30 | 13.57 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:45 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:00 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:15 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:30 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:45 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:00 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:45 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:00 | 13.58 | 3.98 | 8.0 | 1.3 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:15 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:30 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:45 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:00 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:15 | 13.57 | 3.99 | 8.3 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:30 | 13.57 | 4.00 | 8.3 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:45 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:00 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:15 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:30 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:45 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:00 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:30 | 13.57 | 4.00 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:45 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:00 | 13.58 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:15 | 13.58 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:00 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| averun6 | 2/9/2021 | 11:42:00 | 13.56 | 3.99 | 8.2 | 1.2 | 21 | | | | | | | | |
| scg5 | 2/9/2021 | 12:03:00 | 13.57 | 3.99 | 8.2 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:15 | 13.57 | 3.99 | 8.2 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:30 | 13.57 | 3.99 | 8.3 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:45 | 9.79 | 2.86 | 8.3 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:00 | 0.76 | 0.34 | 6.5 | 3.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:15 | 0.23 | 0.16 | 7.9 | 6.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:30 | 0.17 | 0.11 | 9.0 | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:45 | 0.15 | 0.07 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:05:00 | 0.14 | 0.06 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:05:15 | 0.12 | 0.04 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/9/2021 | 12:05:15 | 0.12 | 0.04 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/9/2021 | 12:05:15 | 0.12 | 0.04 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:05:30 | 0.11 | 0.03 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:05:45 | 0.10 | 0.02 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:00 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:15 | 0.12 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:30 | 6.17 | 6.01 | 8.0 | 8.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:45 | 9.76 | 10.56 | 1.8 | 4.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:00 | 9.95 | 11.01 | 0.2 | 1.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:15 | 9.97 | 11.12 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:30 | 9.98 | 11.19 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:45 | 9.99 | 11.24 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:08:00 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:08:15 | 10.00 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/9/2021 | 12:08:15 | 10.00 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/9/2021 | 12:08:15 | 10.00 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:08:30 | 10.00 | 11.33 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:08:45 | 10.01 | 11.35 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:00 | 10.01 | 11.37 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:15 | 8.29 | 9.78 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:30 | 0.84 | 1.47 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:45 | 0.21 | 0.52 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:00 | 0.15 | 0.35 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:15 | 0.13 | 0.27 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:30 | 0.12 | 0.22 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:45 | 0.10 | 0.18 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:00 | 0.10 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:30 | 0.09 | 0.10 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2zero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run7 | 2/9/2021 | 12:14:00 | 13.50 | 3.93 | 8.0 | 1.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:15 | 13.50 | 3.94 | 8.0 | 1.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:30 | 13.51 | 3.95 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:45 | 13.52 | 3.95 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:00 | 13.52 | 3.95 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:15 | 13.52 | 3.96 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:30 | 13.53 | 3.96 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:45 | 13.54 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:00 | 13.53 | 3.96 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:15 | 13.54 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:30 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:45 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:00 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:15 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:30 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run7 | 2/9/2021 | 12:17:45 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:00 | 13.54 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:15 | 13.55 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:30 | 13.55 | 3.99 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:45 | 13.55 | 3.99 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:00 | 13.55 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:15 | 13.55 | 3.99 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:30 | 13.56 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:45 | 13.56 | 3.97 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:00 | 13.56 | 3.98 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:15 | 13.57 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:30 | 13.56 | 3.98 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:45 | 13.57 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:00 | 13.58 | 3.98 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:15 | 13.60 | 3.97 | 7.9 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:30 | 13.60 | 3.96 | 7.7 | 1.3 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:45 | 13.60 | 3.96 | 7.7 | 1.4 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:00 | 13.60 | 3.97 | 7.7 | 1.4 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:15 | 13.58 | 3.97 | 7.8 | 1.4 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:30 | 13.57 | 3.98 | 8.6 | 1.3 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:45 | 13.57 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:00 | 13.56 | 3.99 | 9.4 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:15 | 13.56 | 3.99 | 9.5 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:30 | 13.55 | 3.99 | 9.5 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:45 | 13.54 | 4.00 | 9.6 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:00 | 13.54 | 3.99 | 9.6 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:15 | 13.54 | 4.00 | 9.6 | 0.9 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:30 | 13.55 | 4.00 | 9.6 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:45 | 13.55 | 4.00 | 9.5 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:00 | 13.55 | 3.99 | 9.4 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:15 | 13.56 | 3.99 | 9.4 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:30 | 13.57 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:45 | 13.57 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:00 | 13.58 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:15 | 13.58 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:30 | 13.58 | 3.99 | 9.2 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:45 | 13.58 | 3.98 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:00 | 13.59 | 3.98 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:15 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:30 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:45 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:00 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:15 | 13.60 | 4.00 | 9.5 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:30 | 13.58 | 3.99 | 9.2 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:45 | 13.58 | 3.98 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:00 | 13.58 | 3.98 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:15 | 13.57 | 3.99 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:30 | 13.57 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:45 | 13.57 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:00 | 13.57 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:15 | 13.57 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:45 | 13.56 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:00 | 13.56 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:15 | 13.56 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:30 | 13.56 | 3.98 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:45 | 13.56 | 3.99 | 9.3 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:00 | 13.55 | 3.99 | 9.3 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:15 | 13.55 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:45 | 13.56 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:00 | 13.56 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:15 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:45 | 13.56 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:00 | 13.57 | 3.98 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:15 | 13.57 | 3.99 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:45 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| averun7 | 2/9/2021 | 12:14:00 | 13.56 | 3.98 | 8.7 | 1.1 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 12:35:00 | 13.57 | 3.98 | 9.1 | 1.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:15 | 13.58 | 3.98 | 9.1 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:30 | 13.59 | 3.97 | 8.9 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:45 | 8.33 | 2.42 | 8.7 | 1.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:00 | 0.55 | 0.28 | 6.6 | 3.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:15 | 0.21 | 0.14 | 8.1 | 7.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:30 | 0.17 | 0.10 | 9.0 | 8.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:45 | 0.14 | 0.07 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:00 | 0.12 | 0.05 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:15 | 0.12 | 0.04 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:30 | 0.11 | 0.02 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 | 12:37:30 | 0.11 | 0.02 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 | 12:37:30 | 0.11 | 0.02 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:37:45 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:00 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:15 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:30 | 1.75 | 1.32 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:45 | 9.03 | 9.58 | 5.1 | 6.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:00 | 9.90 | 10.87 | 0.4 | 2.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:15 | 9.96 | 11.07 | 0.1 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:30 | 9.98 | 11.15 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:45 | 9.99 | 11.21 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:40:00 | 9.99 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:40:15 | 10.00 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 | 12:40:15 | 10.00 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 | 12:40:15 | 10.00 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:40:30 | 10.00 | 11.32 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:40:45 | 10.00 | 11.34 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:00 | 10.00 | 11.36 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:15 | 9.35 | 10.83 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:30 | 1.46 | 2.27 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:45 | 0.22 | 0.55 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:00 | 0.15 | 0.36 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:15 | 0.13 | 0.27 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:30 | 0.11 | 0.22 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:45 | 0.10 | 0.18 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:43:00 | 0.10 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run8 | 2/9/2021 | 12:46:00 | 13.55 | 3.93 | 9.0 | 0.9 | | | | | | | | |
| run8 | 2/9/2021 | 12:46:15 | 13.54 | 3.94 | 9.1 | 1.0 | | | | | | | | |
| run8 | 2/9/2021 | 12:46:30 | 13.54 | 3.95 | 9.1 | 0.9 | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H |
|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 |
| offset | | | 0 | 0 | 0 | 0 |
| fullscale | | | 25 | 25 | 25 | 25 |
| train | | | 1 | 1 | 1 | 1 |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 |
| run8 | 2/9/2021 | 12:46:45 | 13.52 | 3.96 | 9.2 | 0.9 |
| run8 | 2/9/2021 | 12:47:00 | 13.54 | 3.96 | 9.3 | 0.9 |
| run8 | 2/9/2021 | 12:47:15 | 13.54 | 3.96 | 9.3 | 0.9 |
| run8 | 2/9/2021 | 12:47:30 | 13.54 | 3.96 | 9.3 | 0.9 |
| run8 | 2/9/2021 | 12:47:45 | 13.58 | 3.94 | 9.2 | 0.9 |
| run8 | 2/9/2021 | 12:48:00 | 13.64 | 3.92 | 8.7 | 1.0 |
| run8 | 2/9/2021 | 12:48:15 | 13.68 | 3.90 | 8.1 | 1.4 |
| run8 | 2/9/2021 | 12:48:30 | 13.69 | 3.89 | 7.7 | 1.8 |
| run8 | 2/9/2021 | 12:48:45 | 13.68 | 3.90 | 7.7 | 1.9 |
| run8 | 2/9/2021 | 12:49:00 | 13.66 | 3.91 | 8.0 | 1.8 |
| run8 | 2/9/2021 | 12:49:15 | 13.64 | 3.92 | 8.2 | 1.6 |
| run8 | 2/9/2021 | 12:49:30 | 13.62 | 3.94 | 9.3 | 1.4 |
| run8 | 2/9/2021 | 12:49:45 | 13.61 | 3.94 | 10.2 | 1.2 |
| run8 | 2/9/2021 | 12:50:00 | 13.59 | 3.95 | 10.4 | 1.1 |
| run8 | 2/9/2021 | 12:50:15 | 13.58 | 3.97 | 10.7 | 0.9 |
| run8 | 2/9/2021 | 12:50:30 | 13.56 | 3.97 | 10.8 | 0.9 |
| run8 | 2/9/2021 | 12:50:45 | 13.56 | 3.97 | 10.8 | 0.8 |
| run8 | 2/9/2021 | 12:51:00 | 13.55 | 3.98 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:51:15 | 13.55 | 3.98 | 10.9 | 0.8 |
| run8 | 2/9/2021 | 12:51:30 | 13.55 | 3.98 | 11.0 | 0.8 |
| run8 | 2/9/2021 | 12:51:45 | 13.54 | 3.98 | 11.0 | 0.7 |
| run8 | 2/9/2021 | 12:52:00 | 13.55 | 3.98 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:52:15 | 13.56 | 3.97 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:52:30 | 13.56 | 3.98 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:52:45 | 13.57 | 3.97 | 10.8 | 0.7 |
| run8 | 2/9/2021 | 12:53:00 | 13.57 | 3.97 | 10.7 | 0.8 |
| run8 | 2/9/2021 | 12:53:15 | 13.58 | 3.97 | 10.6 | 0.8 |
| run8 | 2/9/2021 | 12:53:30 | 13.59 | 3.97 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:53:45 | 13.59 | 3.96 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:54:00 | 13.60 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:54:15 | 13.59 | 3.96 | 10.3 | 0.9 |
| run8 | 2/9/2021 | 12:54:30 | 13.59 | 3.96 | 10.4 | 0.9 |
| run8 | 2/9/2021 | 12:54:45 | 13.59 | 3.96 | 10.4 | 0.9 |
| run8 | 2/9/2021 | 12:55:00 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:55:15 | 13.59 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:55:30 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:55:45 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:56:00 | 13.60 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:56:15 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:56:30 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:56:45 | 13.59 | 3.97 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:57:00 | 13.59 | 3.97 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:57:15 | 13.59 | 3.97 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:57:30 | 13.59 | 3.97 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:57:45 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:58:00 | 13.59 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:58:15 | 13.60 | 3.96 | 10.3 | 0.7 |
| run8 | 2/9/2021 | 12:58:30 | 13.59 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:58:45 | 13.60 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:59:00 | 13.59 | 3.97 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:59:15 | 13.60 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:59:30 | 13.60 | 3.96 | 10.2 | 0.7 |
| run8 | 2/9/2021 | 12:59:45 | 13.60 | 3.96 | 10.2 | 0.8 |
| run8 | 2/9/2021 | 13:00:00 | 13.59 | 3.97 | 10.2 | 0.7 |
| run8 | 2/9/2021 | 13:00:15 | 13.59 | 3.97 | 10.2 | 0.7 |
| run8 | 2/9/2021 | 13:00:30 | 13.59 | 3.97 | 10.2 | 0.8 |
| run8 | 2/9/2021 | 13:00:45 | 13.59 | 3.97 | 10.1 | 0.7 |
| run8 | 2/9/2021 | 13:01:00 | 13.58 | 3.97 | 10.0 | 0.7 |
| run8 | 2/9/2021 | 13:01:15 | 13.59 | 3.96 | 9.8 | 0.9 |
| run8 | 2/9/2021 | 13:01:30 | 13.59 | 3.96 | 9.8 | 0.8 |
| run8 | 2/9/2021 | 13:01:45 | 13.60 | 3.96 | 9.8 | 0.7 |
| run8 | 2/9/2021 | 13:02:00 | 13.60 | 3.96 | 9.7 | 0.7 |
| run8 | 2/9/2021 | 13:02:15 | 13.61 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:02:30 | 13.62 | 3.94 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:02:45 | 13.63 | 3.94 | 9.5 | 0.8 |
| run8 | 2/9/2021 | 13:03:00 | 13.63 | 3.95 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:03:15 | 13.63 | 3.95 | 9.4 | 0.7 |
| run8 | 2/9/2021 | 13:03:30 | 13.63 | 3.95 | 9.4 | 0.8 |
| run8 | 2/9/2021 | 13:03:45 | 13.62 | 3.94 | 9.4 | 0.8 |
| run8 | 2/9/2021 | 13:04:00 | 13.62 | 3.95 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:04:15 | 13.63 | 3.94 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:04:30 | 13.63 | 3.94 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:04:45 | 13.63 | 3.94 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:05:00 | 13.63 | 3.95 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:05:15 | 13.63 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:05:30 | 13.62 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:05:45 | 13.63 | 3.96 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:06:00 | 13.62 | 3.95 | 9.7 | 0.7 |
| run8 | 2/9/2021 | 13:06:15 | 13.63 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:06:30 | 13.62 | 3.94 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:06:45 | 13.63 | 3.95 | 9.7 | 0.7 |
| run8 | 2/9/2021 | 13:07:00 | 13.62 | 3.95 | 9.6 | 0.7 |
| averun8 | 2/9/2021 | 12:46:00 | 13.60 | 3.96 | 9.9 | 0.8 |
| scg5 | 2/9/2021 | 13:07:30 | 13.63 | 3.95 | 9.7 | 0.7 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:07:45 | 13.63 | 3.95 | 9.7 | 0.7 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:00 | 13.58 | 3.94 | 9.7 | 0.7 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:15 | 5.25 | 1.48 | 8.5 | 1.2 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:30 | 0.38 | 0.22 | 7.1 | 4.2 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:45 | 0.19 | 0.12 | 8.5 | 7.4 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:00 | 0.16 | 0.08 | 9.1 | 9.0 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:15 | 0.14 | 0.05 | 9.1 | 9.2 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:30 | 0.13 | 0.04 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:45 | 0.11 | 0.03 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| noxspan1 | 2/9/2021 | 13:09:45 | 0.11 | 0.03 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| cospan1 | 2/9/2021 | 13:09:45 | 0.11 | 0.03 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg3 | 2/9/2021 | 13:10:00 | 0.11 | 0.02 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:10:15 | 0.10 | 0.00 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:10:30 | 0.10 | 0.00 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:10:45 | 0.72 | 0.38 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:00 | 8.36 | 8.68 | 6.5 | 7.4 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:15 | 9.88 | 10.79 | 0.4 | 3.4 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:30 | 9.96 | 11.05 | 0.2 | 0.6 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:45 | 9.98 | 11.14 | 0.1 | -0.2 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:12:00 | 9.99 | 11.21 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:12:15 | 9.99 | 11.24 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:12:30 | 9.99 | 11.28 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| o2span1 | 2/9/2021 | 13:12:30 | 9.99 | 11.28 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| co2span1 | 2/9/2021 | 13:12:30 | 9.99 | 11.28 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg1 | 2/9/2021 | 13:12:45 | 10.00 | 11.31 | 0.1 | -0.3 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:00 | 10.00 | 11.33 | 0.1 | -0.4 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:15 | 10.00 | 11.35 | 0.1 | -0.4 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:30 | 9.96 | 11.35 | 0.1 | -0.4 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:45 | 3.02 | 4.12 | 0.1 | -0.3 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:14:00 | 0.26 | 0.63 | 0.1 | -0.2 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:14:15 | 0.16 | 0.38 | 0.1 | 0.0 CC472641/cg1 O2 0 CO2 0 0 0 |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg1 | 2/9/2021 | 13:14:30 | 0.12 | 0.29 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:14:45 | 0.11 | 0.22 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:00 | 0.10 | 0.18 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:15 | 0.10 | 0.15 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:30 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run9 | 2/9/2021 | 13:18:00 | 13.57 | 3.87 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:18:15 | 13.58 | 3.88 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:18:30 | 13.58 | 3.89 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:18:45 | 13.57 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:00 | 13.58 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:15 | 13.59 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:30 | 13.60 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:45 | 13.61 | 3.91 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:00 | 13.61 | 3.92 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:15 | 13.61 | 3.92 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:30 | 13.62 | 3.92 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:45 | 13.63 | 3.92 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:00 | 13.63 | 3.92 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:15 | 13.63 | 3.92 | 9.2 | 0.8 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:30 | 13.62 | 3.93 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:45 | 13.63 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:00 | 13.62 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:15 | 13.62 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:30 | 13.61 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:45 | 13.61 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:00 | 13.60 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:15 | 13.59 | 3.95 | 9.6 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:30 | 13.60 | 3.95 | 9.7 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:45 | 13.60 | 3.95 | 9.7 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:00 | 13.60 | 3.95 | 9.6 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:15 | 13.60 | 3.95 | 9.6 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:30 | 13.60 | 3.95 | 9.6 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:45 | 13.60 | 3.94 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:00 | 13.61 | 3.94 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:15 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:30 | 13.62 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:45 | 13.62 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:00 | 13.62 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:15 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:30 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:45 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:00 | 13.62 | 3.93 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:15 | 13.62 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:30 | 13.62 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:45 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:00 | 13.61 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:15 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:30 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:45 | 13.60 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:00 | 13.60 | 3.96 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:15 | 13.63 | 3.94 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:30 | 13.64 | 3.94 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:45 | 13.64 | 3.93 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:00 | 13.65 | 3.93 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:15 | 13.64 | 3.94 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:30 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:45 | 13.64 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:00 | 13.63 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:15 | 13.63 | 3.94 | 9.3 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:30 | 13.64 | 3.94 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:45 | 13.64 | 3.94 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:00 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:15 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:30 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:45 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:00 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:15 | 13.64 | 3.94 | 9.0 | 0.8 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:30 | 13.65 | 3.93 | 9.0 | 0.8 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:45 | 13.65 | 3.93 | 8.9 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:00 | 13.65 | 3.93 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:15 | 13.65 | 3.93 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:30 | 13.65 | 3.93 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:45 | 13.64 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:00 | 13.64 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:15 | 13.64 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:30 | 13.64 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:45 | 13.64 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:00 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:15 | 13.63 | 3.95 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:30 | 13.62 | 3.95 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:45 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:00 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:15 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:30 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:45 | 13.63 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:00 | 13.63 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:15 | 13.63 | 3.94 | 9.3 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:30 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:45 | 13.63 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:39:00 | 13.63 | 3.95 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:39:15 | 13.63 | 3.95 | 9.5 | 0.7 | | | | | | | | |
| averun9 | 2/9/2021 | 13:18:00 | 13.62 | 3.94 | 9.3 | 0.7 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 13:39:30 | 13.62 | 3.94 | 9.5 | 0.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:39:45 | 13.62 | 3.95 | 9.5 | 0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:00 | 14.92 | 3.35 | 9.4 | 0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:15 | 11.20 | 0.55 | 4.9 | 0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:30 | 0.81 | 0.18 | 3.1 | 2.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:45 | 0.24 | 0.10 | 7.9 | 6.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:00 | 0.17 | 0.08 | 9.0 | 8.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:15 | 0.15 | 0.05 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:30 | 0.13 | 0.04 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:45 | 0.12 | 0.03 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 | 13:41:45 | 0.12 | 0.03 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 | 13:41:45 | 0.12 | 0.03 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:00 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:15 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:30 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:45 | 0.68 | 0.36 | 9.1 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:43:00 | 8.28 | 8.58 | 6.9 | 7.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:43:15 | 9.87 | 10.77 | 0.4 | 3.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg3 | 2/9/2021 | 13:43:30 | 9.95 | 11.05 | 0.2 | 0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:43:45 | 9.97 | 11.14 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:00 | 9.98 | 11.20 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:15 | 9.98 | 11.24 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:30 | 9.99 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:45 | 9.99 | 11.31 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 | 13:44:30 | 9.99 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 | 13:44:30 | 9.99 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:00 | 9.99 | 11.33 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:15 | 10.00 | 11.35 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:30 | 10.00 | 11.37 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:45 | 6.62 | 8.04 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:00 | 0.47 | 0.96 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:15 | 0.18 | 0.45 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:30 | 0.14 | 0.32 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:45 | 0.12 | 0.25 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:47:00 | 0.11 | 0.20 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:47:15 | 0.10 | 0.17 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| so2zero | | | | | | | | | | | | | | |
| so2span | | | | | | | | | | | | | | |
| noxzero | | | | | | | | | | | | | | |
| noxspan | | | | | | | | | | | | | | |
| co2zero | | | | | | | | | | | | | | |
| co2span | | | | | | | | | | | | | | |
| o2zero | | | | | | | | | | | | | | |
| o2span | | | | | | | | | | | | | | |
| thczero | | | | | | | | | | | | | | |
| thcspan | | | | | | | | | | | | | | |
| cozero | | | | | | | | | | | | | | |
| cospan | | | | | | | | | | | | | | |

| | |
|---|---|
| so2ezero | Parameter Not Found |
| so2mid | Parameter Not Found |
| so2high | Parameter Not Found |
| noxezero | Parameter Not Found |
| noxlow | Parameter Not Found |
| noxmid | Parameter Not Found |
| noxhigh | Parameter Not Found |
| co2ezero | Parameter Not Found |
| co2mid | Parameter Not Found |
| co2high | Parameter Not Found |
| o2ezero | Parameter Not Found |
| o2mid | Parameter Not Found |
| o2high | Parameter Not Found |
| thcezero | Parameter Not Found |
| thclow | Parameter Not Found |
| thcmid | Parameter Not Found |
| thchigh | Parameter Not Found |
| coezero | Parameter Not Found |
| colow | Parameter Not Found |
| comid | Parameter Not Found |
| cohigh | Parameter Not Found |

End

# Unit 4D Bypass

$NO_X$, CO, and $O_2$ Calculations of Average Emissions, Raw Data

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 1

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.24 % | 0.26 % | 0.25 |
| 10.26 percent $O_2$ | 10.27 % | 10.21 % | 10.24 |
| 0.0 ppm $NO_X$ | 0.0 ppm | 0.1 ppm | 0.05 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 9.0 ppm | 8.92 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.01 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.21 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 8.5 ppm $NO_X$ | **8.9** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.027** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.4** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.00 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 2

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.26 % | 0.25 % | 0.26 |
| 10.26 percent $O_2$ | 10.21 % | 10.21 % | 10.21 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 9.0 ppm | 8.9 ppm | 8.96 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | 0.00 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.18 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 8.5 ppm $NO_X$ | **8.9** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.028** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.5** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 3

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.25 % | 0.22 % | 0.24 |
| 10.26 percent $O_2$ | 10.21 % | 10.21 % | 10.21 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.07 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.94 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.2 ppm | 9.16 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.9** percent $O_2$ | DRY |
| 9.0 ppm $NO_X$ | **9.4** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.2** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.9** NOxppm @ 15% O2 from O2
**0.2** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 4

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.22 % | 0.20 % | 0.21 |
| 10.26 percent $O_2$ | 10.21 % | 10.28 % | 10.24 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.93 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.03 |
| 9.4 ppm CO | 9.2 ppm | 9.1 ppm | 9.15 |

| Mean Reference Values: | Corrected Results: | Basis: |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.4 ppm $NO_X$ | **9.9** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.2** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 5

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.20 % | 0.19 % | 0.19 |
| 10.26 percent $O_2$ | 10.28 % | 10.27 % | 10.28 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.10 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.90 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.02 |
| 9.4 ppm CO | 9.1 ppm | 9.1 ppm | 9.12 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.4 ppm $NO_X$ | **9.9** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.2** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 6

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.19 % | 0.18 % | 0.18 |
| 10.26 percent $O_2$ | 10.27 % | 10.26 % | 10.26 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.09 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.88 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.02 |
| 9.4 ppm CO | 9.1 ppm | 9.1 ppm | 9.09 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.3 ppm $NO_X$ | **9.8** ppm $NO_X$ | DRY |
| 0.1 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.030** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**8.1** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 7

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.18 % | 0.18 % | 0.18 |
| 10.26 percent $O_2$ | 10.26 % | 10.26 % | 10.26 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.88 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.04 |
| 9.4 ppm CO | 9.1 ppm | 9.1 ppm | 9.05 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.0 ppm $NO_X$ | **9.5** ppm $NO_X$ | DRY |
| 0.0 ppm CO | **0.1** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.9** NOxppm @ 15% O2 from O2
**0.1** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 8

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.18 % | 0.16 % | 0.17 |
| 10.26 percent $O_2$ | 10.26 % | 10.25 % | 10.26 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.90 |
| 0.0 ppm CO | 0.0 ppm | 0.0 ppm | -0.04 |
| 9.4 ppm CO | 9.1 ppm | 9.1 ppm | 9.06 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.0 ppm $NO_X$ | **9.4** ppm $NO_X$ | DRY |
| 0.0 ppm CO | **0.0** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.8** NOxppm @ 15% O2 from O2
**0.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

# Calculation of Average Emissions

Test Performed For:
Duke Energy Florida
Bartow
4D Bypass (EU -041)
RATA/Comp
Date:2/10/21

Test Performed By:
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
(352) 489-4337
Run 9

| Calibration Gas Value | Initial Calibration | Final Calibration | Average |
|---|---|---|---|
| 0.00 percent $O_2$ | 0.16 % | 0.15 % | 0.16 |
| 10.26 percent $O_2$ | 10.25 % | 10.23 % | 10.24 |
| 0.0 ppm $NO_X$ | 0.1 ppm | 0.1 ppm | 0.08 |
| 9.3 ppm $NO_X$ | 8.9 ppm | 8.9 ppm | 8.92 |
| 0.0 ppm CO | 0.0 ppm | -0.1 ppm | -0.08 |
| 9.4 ppm CO | 9.1 ppm | 9.0 ppm | 9.03 |

| **Mean Reference Values:** | **Corrected Results:** | **Basis:** |
|---|---|---|
| 13.7 percent $O_2$ | **13.8** percent $O_2$ | DRY |
| 9.0 ppm $NO_X$ | **9.4** ppm $NO_X$ | DRY |
| -0.1 ppm CO | **0.0** ppm CO | DRY |

**Emission Calculations:**

**0.029** NOX lb/MMBtu from O2
**0.000** CO lb/MMBtu from O2

**7.8** NOxppm @ 15% O2 from O2
**0.0** COppm @ 15% O2 from O2

Fuel Factors:

8710 dscf/MMBtu

Oxygen Correction: **15.0 %**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| filename | | 2/9/2021 | 7:30:10 | C:\RM\DATA\20210209.CSV | | | | | | | | | | | | | | |
| testby1 | C.E.M. Solutions, Inc. | | | | | | | | | | | | | | | | | |
| testby2 | 1183 E. Overdrive Circle | | | | | | | | | | | | | | | | | |
| testby3 | Hernando, FL 34442 | | | | | | | | | | | | | | | | | |
| testby4 | (352) 489-4337 | | | | | | | | | | | | | | | | | |
| testfor1 | Duke Energy Florida | | | | | | | | | | | | | | | | | |
| testfor2 | Bartow | | | | | | | | | | | | | | | | | |
| testfor3 | 4D HRSG (EU -041) | | | | | | | | | | | | | | | | | |
| testfor4 | RATA/Comp | | | | | | | | | | | | | | | | | |
| name | | | | O2 4D H | | CO2 4D H | | NOx 4D H | | CO 4D H | | | | | | | | |
| sn | | | | 01420D/3379 | | 01415D/3379 | | 934838563 | | 1336459888 | | | | | | | | |
| offset | | | | 0 | | 0 | | 0 | | 0 | | | | | | | | |
| fullscale | | | | 25 | | 25 | | 25 | | 25 | | | | | | | | |
| train | | | | 1 | | 1 | | 1 | | 1 | | | | | | | | |
| gastype | | | | o2 3a | | co2 3a | | nox 7e | | co 10 | | | | | | | | |
| dcg1 | | 2/9/2021 | 7:31:30 | 20.39 | | -0.08 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:31:45 | 8.40 | | -0.11 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:00 | 0.13 | | -0.13 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:15 | 0.02 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:30 | -0.01 | | -0.14 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:32:45 | 0.00 | | -0.13 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:00 | 0.00 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:15 | -0.02 | | -0.14 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:30 | -0.02 | | -0.14 | | 0.0 | | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:33:45 | -0.02 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:00 | -0.02 | | -0.13 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:15 | -0.02 | | -0.09 | | 0.0 | | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:30 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg1 | | 2/9/2021 | 7:35:00 | -0.02 | | -0.08 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2ezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2ezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| coezero1 | | 2/9/2021 | 7:34:45 | -0.02 | | -0.09 | | 0.0 | | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:15 | -0.03 | | -0.08 | | 0.0 | | 0.1 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:30 | 11.82 | | 7.19 | | 0.0 | | 0.0 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:35:45 | 20.00 | | 18.66 | | 0.0 | | -0.3 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:00 | 20.55 | | 22.30 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:15 | 20.57 | | 22.53 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:30 | 20.57 | | 22.63 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:36:45 | 20.58 | | 22.71 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:00 | 20.58 | | 22.76 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:15 | 20.59 | | 22.82 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:30 | 20.59 | | 22.86 | | 0.0 | | -0.6 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:37:45 | 20.59 | | 22.94 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:00 | 21.08 | | 23.01 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:15 | 20.96 | | 23.03 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:30 | 21.09 | | 23.06 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:38:45 | 21.41 | | 23.08 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:00 | 20.63 | | 23.10 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:15 | 20.63 | | 23.12 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:30 | 20.64 | | 23.13 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg2 | | 2/9/2021 | 7:39:45 | 20.64 | | 22.99 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| o2high1 | | 2/9/2021 | 7:39:45 | 20.64 | | 22.99 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| co2high1 | | 2/9/2021 | 7:39:45 | 20.64 | | 22.99 | | 0.0 | | -0.5 | EB0062572/cg2 | O2 | 20.74 | CO2 | 23.32 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:00 | 20.64 | | 22.97 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:15 | 16.01 | | 17.39 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:30 | 9.14 | | 8.43 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:40:45 | 9.68 | | 10.32 | | 0.0 | | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:00 | 10.03 | | 11.65 | | 0.0 | | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:15 | 10.05 | | 11.72 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:30 | 10.05 | | 11.71 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:41:45 | 10.05 | | 11.68 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:00 | 10.04 | | 11.67 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:15 | 10.05 | | 11.66 | | 0.0 | | -0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:30 | 10.05 | | 11.65 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:42:45 | 10.05 | | 11.64 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:00 | 10.05 | | 11.63 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:15 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg3 | | 2/9/2021 | 7:43:30 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2mid1 | | 2/9/2021 | 7:43:30 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2mid1 | | 2/9/2021 | 7:43:30 | 10.05 | | 11.62 | | 0.0 | | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:43:45 | 10.04 | | 11.61 | | 0.0 | | -0.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:00 | 7.62 | | 9.03 | | 0.0 | | -0.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:15 | 0.39 | | 0.70 | | 2.5 | | 6.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:30 | 0.08 | | 0.35 | | 5.5 | | 15.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:44:45 | 0.02 | | 0.29 | | 16.9 | | 21.0 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:00 | 0.01 | | 0.24 | | 22.0 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:15 | 0.00 | | 0.20 | | 22.3 | | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:30 | 0.00 | | 0.17 | | 22.3 | | 22.4 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:45:45 | 0.00 | | 0.14 | | 22.4 | | 22.5 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:00 | 0.00 | | 0.12 | | 22.4 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:15 | -0.01 | | 0.10 | | 22.4 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:30 | -0.01 | | 0.07 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:46:45 | -0.01 | | 0.06 | | 22.4 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:47:00 | -0.01 | | 0.05 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| noxhigh1 | | 2/9/2021 | 7:47:00 | -0.01 | | 0.05 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| cohigh1 | | 2/9/2021 | 7:47:00 | -0.01 | | 0.05 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:15 | -0.02 | | 0.03 | | 22.4 | | 22.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:30 | 0.07 | | 0.05 | | 20.9 | | 21.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:47:45 | 0.01 | | 0.01 | | 9.4 | | 15.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:00 | -0.02 | | 0.00 | | 8.6 | | 11.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:15 | -0.02 | | 0.00 | | 9.2 | | 9.5 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:30 | -0.02 | | -0.01 | | 9.1 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:48:45 | -0.03 | | -0.02 | | 9.1 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:49:00 | -0.02 | | -0.02 | | 9.0 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:49:30 | 0.00 | | -0.02 | | 9.6 | | 9.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:49:45 | -0.02 | | -0.03 | | 13.2 | | 11.6 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:00 | -0.02 | | -0.04 | | 17.8 | | 14.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:15 | -0.03 | | -0.04 | | 23.9 | | 19.7 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:30 | -0.03 | | -0.04 | | 23.0 | | 21.8 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:50:45 | -0.03 | | -0.04 | | 22.5 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:00 | -0.04 | | -0.05 | | 22.4 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:15 | -0.03 | | -0.05 | | 22.4 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:30 | -0.03 | | -0.05 | | 22.3 | | 22.3 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:51:45 | -0.04 | | -0.06 | | 22.3 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:00 | -0.03 | | -0.06 | | 22.5 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:15 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg4 | | 2/9/2021 | 7:52:30 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| noxhigh1 | | 2/9/2021 | 7:52:30 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| cohigh1 | | 2/9/2021 | 7:52:30 | -0.04 | | -0.06 | | 22.6 | | 22.2 | CC408040/cg4 | NOx | 22.5 | CO | 22.16 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:52:45 | -0.04 | | -0.06 | | 22.5 | | 22.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:00 | -0.03 | | -0.06 | | 22.5 | | 22.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:15 | -0.04 | | -0.06 | | 15.9 | | 18.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:30 | -0.04 | | -0.06 | | 9.3 | | 12.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:53:45 | -0.04 | | -0.06 | | 9.3 | | 9.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:00 | -0.04 | | -0.06 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:15 | -0.04 | | -0.07 | | 9.2 | | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| dcg5 | | 2/9/2021 | 7:54:30 | -0.04 | | -0.07 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxmid1 | | 2/9/2021 | 7:54:30 | -0.04 | | -0.07 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| comid1 | | 2/9/2021 | 7:54:30 | -0.04 | | -0.07 | | 9.2 | | 9.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | |
| dcg6 | 2/9/2021 | 7:55:45 | 20.48 | -0.02 | 0.2 | 0.3 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:00 | 20.45 | -0.02 | 0.2 | 0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:15 | 20.33 | -0.05 | 2.0 | 0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:30 | 20.67 | -0.07 | 14.9 | 0.0 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:56:45 | 20.72 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:00 | 20.73 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:15 | 20.74 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:30 | 20.75 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:57:45 | 20.75 | -0.07 | 25.4 | 0.0 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:00 | 20.76 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:15 | 20.76 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:30 | 20.76 | -0.08 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:58:45 | 20.77 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:00 | 20.77 | -0.07 | 25.3 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:15 | 20.77 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:30 | 20.78 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 7:59:45 | 20.79 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 8:00:00 | 20.79 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg6 | 2/9/2021 | 8:00:15 | 20.78 | -0.07 | 25.4 | -0.1 | CC515122/cg6 | NOx | 51.65 | 0 | 0 | 0 | |
| dcg1 | 2/9/2021 | 8:00:30 | 20.79 | -0.08 | 25.4 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:00:45 | 14.22 | -0.07 | 25.4 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:00 | 0.45 | -0.07 | 16.6 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:15 | 0.06 | -0.08 | 0.6 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:30 | 0.05 | -0.08 | 0.4 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:01:45 | 0.04 | -0.08 | 0.4 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:00 | 0.03 | -0.08 | 0.3 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:15 | 0.02 | -0.08 | 0.3 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:30 | 0.01 | -0.07 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:02:45 | 0.00 | -0.08 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:00 | -0.01 | -0.08 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:15 | 0.00 | -0.08 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:30 | -0.01 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:03:45 | -0.01 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:00 | -0.01 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:15 | -0.01 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:30 | -0.01 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:04:45 | -0.01 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:00 | -0.02 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:15 | -0.02 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:30 | -0.02 | -0.08 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:05:45 | -0.03 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:00 | -0.02 | -0.08 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:15 | -0.02 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:30 | -0.02 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:06:45 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:00 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:15 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:30 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:07:45 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:00 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:15 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:30 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:08:45 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:00 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:15 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:30 | -0.03 | -0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:09:45 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| dcg1 | 2/9/2021 | 8:10:00 | -0.03 | -0.08 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:10:45 | 16.81 | -0.04 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:00 | 17.62 | -0.04 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:15 | 20.43 | -0.03 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:30 | 14.59 | -0.04 | 0.2 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:11:45 | 1.03 | -0.07 | 0.3 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:00 | 0.30 | -0.08 | 0.2 | 0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:15 | 0.20 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:30 | 0.18 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:12:45 | 0.15 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:00 | 0.14 | -0.07 | 0.2 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:15 | 0.13 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:30 | 0.11 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:13:45 | 0.11 | -0.07 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:14:00 | 0.11 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| co2zero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero1 | 2/9/2021 | 8:14:15 | 0.10 | -0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg3 | 2/9/2021 | 8:14:30 | 0.10 | -0.07 | 0.1 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:14:45 | 0.10 | -0.07 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:00 | 0.09 | -0.07 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:15 | 0.28 | -0.07 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:30 | 5.57 | 5.11 | 0.0 | 0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:15:45 | 9.72 | 10.25 | 0.0 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:00 | 9.94 | 10.89 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:15 | 9.97 | 11.05 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:30 | 9.98 | 11.11 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:16:45 | 9.99 | 11.17 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:17:00 | 9.99 | 11.21 | 0.0 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:17:15 | 9.99 | 11.24 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 8:17:30 | 10.00 | 11.27 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span1 | 2/9/2021 | 8:17:30 | 10.00 | 11.27 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| co2span1 | 2/9/2021 | 8:17:15 | 9.99 | 11.24 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg5 | 2/9/2021 | 8:17:45 | 10.00 | 11.29 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:00 | 10.01 | 11.31 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:15 | 10.00 | 11.33 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:30 | 10.10 | 11.26 | 0.0 | -0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:18:45 | 4.46 | 5.56 | 0.2 | 0.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:00 | 0.32 | 0.70 | 6.8 | 3.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:15 | 0.17 | 0.40 | 8.5 | 7.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:30 | 0.13 | 0.29 | 8.8 | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:19:45 | 0.12 | 0.23 | 8.8 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:20:00 | 0.10 | 0.18 | 8.9 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 8:20:15 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan1 | 2/9/2021 | 8:20:15 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan1 | 2/9/2021 | 8:20:15 | 0.10 | 0.15 | 8.9 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| run1 | 2/9/2021 | 8:32:00 | 13.52 | 3.98 | 8.3 | 1.2 | | | | | | | |
| run1 | 2/9/2021 | 8:32:15 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:32:30 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:32:45 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:33:00 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:33:15 | 13.54 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run1 | 2/9/2021 | 8:33:30 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:33:45 | 13.53 | 3.99 | 8.3 | 1.2 | | | | | | | |
| run1 | 2/9/2021 | 8:34:00 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | |
| run1 | 2/9/2021 | 8:34:15 | 13.53 | 3.98 | 8.3 | 1.1 | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run1 | 2/9/2021 | 8:34:30 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:34:45 | 13.53 | 3.98 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:00 | 13.54 | 3.99 | 8.4 | 1.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:15 | 13.53 | 3.99 | 8.3 | 1.0 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:30 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:35:45 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:00 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:15 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:30 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:36:45 | 13.54 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:00 | 13.54 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:30 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:37:45 | 13.56 | 3.97 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:00 | 13.55 | 3.97 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:38:45 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:00 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:39:45 | 13.55 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:00 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:40:45 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:00 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:15 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:30 | 13.55 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:41:45 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:00 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:42:45 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:00 | 13.54 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:15 | 13.55 | 3.98 | 7.8 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:30 | 13.55 | 3.98 | 7.7 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:43:45 | 13.55 | 3.98 | 7.8 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:00 | 13.54 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:15 | 13.54 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:30 | 13.55 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:44:45 | 13.54 | 3.97 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:00 | 13.54 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:15 | 13.55 | 3.97 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:30 | 13.54 | 3.98 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:45:45 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:00 | 13.54 | 3.99 | 8.3 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:15 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:30 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:46:45 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:00 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:15 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:30 | 13.54 | 3.98 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:47:45 | 13.62 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:00 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:15 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:30 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:48:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:00 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:15 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:30 | 13.55 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:49:45 | 13.55 | 3.99 | 8.2 | 1.8 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:00 | 13.55 | 3.99 | 7.7 | 1.9 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:15 | 13.55 | 3.99 | 7.9 | 1.5 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:30 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:50:45 | 13.56 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:00 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:15 | 13.56 | 3.99 | 8.0 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:30 | 13.55 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:51:45 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:30 | 13.55 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:52:45 | 13.55 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:15 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:53:45 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:00 | 13.56 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:30 | 13.56 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run1 | 2/9/2021 | 8:54:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:00 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:55:45 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run1 | 2/9/2021 | 8:56:00 | 13.56 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| averun1 | 2/9/2021 | 8:35:00 | 13.55 | 3.98 | 8.2 | 1.2 | 21 | | | | | | | | |
| scg5 | 2/9/2021 | 8:56:15 | 13.56 | 3.99 | 8.1 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:56:30 | 13.57 | 3.98 | 8.0 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:56:45 | 13.57 | 3.98 | 8.0 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:00 | 12.43 | 3.57 | 8.0 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:15 | 1.91 | 0.55 | 7.6 | 2.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:30 | 0.27 | 0.18 | 7.8 | 6.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:57:45 | 0.18 | 0.11 | 8.9 | 8.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:00 | 0.16 | 0.08 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:15 | 0.14 | 0.06 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:30 | 0.13 | 0.04 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 8:58:45 | 0.12 | 0.03 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/9/2021 | 8:58:30 | 0.13 | 0.04 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/9/2021 | 8:58:30 | 0.13 | 0.04 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:00 | 0.11 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:15 | 0.11 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:30 | 0.10 | 0.00 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 8:59:45 | 0.73 | 0.27 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:00 | 8.15 | 8.26 | 6.7 | 7.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:15 | 9.86 | 10.65 | 0.6 | 3.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:30 | 9.96 | 11.03 | 0.1 | 0.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:00:45 | 9.98 | 11.12 | 0.1 | -0.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:00 | 9.99 | 11.19 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:15 | 9.99 | 11.24 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:30 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 9:01:45 | 10.00 | 11.30 | 0.0 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/9/2021 | 9:01:30 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/9/2021 | 9:01:30 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg1 | 2/9/2021 | 9:02:00 | 10.00 | 11.32 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:02:15 | 10.00 | 11.34 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:02:30 | 10.01 | 11.36 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:02:45 | 8.19 | 9.44 | 0.0 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:00 | 0.77 | 1.35 | 0.0 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:15 | 0.20 | 0.50 | 0.0 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:30 | 0.15 | 0.34 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:03:45 | 0.12 | 0.26 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:00 | 0.11 | 0.21 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:15 | 0.11 | 0.18 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:30 | 0.10 | 0.14 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:04:45 | 0.10 | 0.12 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:05:00 | 0.09 | 0.09 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 9:05:15 | 0.08 | 0.08 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run2 | 2/9/2021 | 9:25:00 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:15 | 13.55 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:30 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:25:45 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:00 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:15 | 13.55 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:30 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:26:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:00 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:15 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:30 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:27:45 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:00 | 13.54 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:15 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:30 | 13.55 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:28:45 | 13.54 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:00 | 13.55 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:15 | 13.55 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:30 | 13.54 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:29:45 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:00 | 13.55 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:15 | 13.55 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:30 | 13.55 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:30:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:00 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:15 | 13.53 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:30 | 13.54 | 3.99 | 8.4 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:31:45 | 13.54 | 3.99 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:00 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:15 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:30 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:32:45 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:00 | 13.55 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:15 | 13.56 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:30 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:33:45 | 13.56 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:34:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:00 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:35:45 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:00 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:15 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:30 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:36:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:00 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:15 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:30 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:37:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:00 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:15 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:30 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:38:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:00 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:15 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:39:45 | 13.57 | 3.98 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:00 | 13.56 | 3.99 | 8.0 | 1.5 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:15 | 13.57 | 3.99 | 7.9 | 1.5 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:30 | 13.57 | 3.99 | 7.9 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:40:45 | 13.58 | 3.98 | 7.9 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:00 | 13.58 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:15 | 13.56 | 3.98 | 8.1 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:30 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run2 | 2/9/2021 | 9:41:45 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:00 | 13.55 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:15 | 13.54 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:30 | 13.53 | 4.00 | 8.5 | 1.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:42:45 | 13.54 | 4.00 | 8.5 | 1.0 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:00 | 13.54 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:15 | 13.54 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:30 | 13.54 | 3.99 | 8.5 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:43:45 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:00 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:15 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:30 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:44:45 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:00 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:15 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:30 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run2 | 2/9/2021 | 9:45:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run2 | 2/9/2021 | 9:46:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| averun2 | 2/9/2021 | 9:25:00 | 13.55 | 3.99 | 8.3 | 1.2 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 9:46:30 | 13.57 | 3.99 | 8.2 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:46:45 | 13.57 | 3.99 | 8.1 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:00 | 15.07 | 3.28 | 8.1 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:15 | 15.60 | 0.50 | 4.2 | 0.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:30 | 2.06 | 0.21 | 1.8 | 1.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:47:45 | 0.29 | 0.11 | 6.7 | 5.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:00 | 0.19 | 0.07 | 8.8 | 8.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:15 | 0.16 | 0.05 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:30 | 0.14 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:48:45 | 0.13 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 9:49:00 | 0.12 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | |
| scg5 | 2/9/2021 | 9:49:15 | 0.11 | 0.01 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg5 | 2/9/2021 | 9:49:30 | 0.11 | 0.00 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| noxspan1 | 2/9/2021 | 9:49:30 | 0.11 | 0.00 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| cospan1 | 2/9/2021 | 9:49:30 | 0.11 | 0.00 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 |
| scg3 | 2/9/2021 | 9:49:45 | 0.10 | -0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:50:00 | 0.10 | -0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:50:15 | 0.09 | -0.02 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:50:30 | 0.10 | -0.02 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:50:45 | 6.17 | 5.96 | 8.3 | 8.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:51:00 | 9.75 | 10.45 | 1.0 | 4.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:51:15 | 9.94 | 10.99 | 0.2 | 1.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:51:30 | 9.97 | 11.11 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:51:45 | 9.99 | 11.18 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:52:00 | 9.99 | 11.23 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:52:15 | 10.00 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:52:30 | 10.00 | 11.30 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:52:45 | 10.00 | 11.33 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg3 | 2/9/2021 | 9:53:00 | 10.01 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| o2span1 | 2/9/2021 | 9:53:00 | 10.01 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| co2span1 | 2/9/2021 | 9:53:00 | 10.01 | 11.35 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 |
| scg1 | 2/9/2021 | 9:53:15 | 10.01 | 11.37 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:53:30 | 10.01 | 11.38 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:53:45 | 10.01 | 11.40 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:54:00 | 10.09 | 11.33 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:54:15 | 4.64 | 5.80 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:54:30 | 0.32 | 0.74 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:54:45 | 0.17 | 0.43 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:55:00 | 0.14 | 0.32 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:55:15 | 0.12 | 0.25 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:55:30 | 0.11 | 0.20 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:55:45 | 0.10 | 0.17 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| scg1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| o2zero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| co2zero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| noxzero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| cozero1 | 2/9/2021 | 9:56:00 | 0.09 | 0.14 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 |
| run3 | 2/9/2021 | 10:01:00 | 13.56 | 3.94 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:01:15 | 13.57 | 3.95 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:01:30 | 13.57 | 3.95 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:01:45 | 13.56 | 3.96 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:02:00 | 13.56 | 3.96 | 8.2 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:02:15 | 13.56 | 3.96 | 8.2 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:02:30 | 13.55 | 3.97 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:02:45 | 13.56 | 3.97 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:03:00 | 13.56 | 3.97 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:03:15 | 13.56 | 3.97 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:03:30 | 13.57 | 3.97 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:03:45 | 13.57 | 3.98 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:04:00 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:04:15 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:04:30 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:04:45 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:05:00 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:05:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:05:30 | 13.57 | 3.98 | 8.2 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:05:45 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:06:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:06:15 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:06:30 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:06:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:07:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:07:15 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:07:30 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:07:45 | 13.55 | 4.00 | 8.5 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:08:00 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:08:15 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:08:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:08:45 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:09:00 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:09:15 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:09:30 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:09:45 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:10:00 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:10:15 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:10:30 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:10:45 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:11:00 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:11:15 | 13.55 | 4.00 | 8.5 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:11:30 | 13.55 | 4.01 | 8.5 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:11:45 | 13.55 | 4.01 | 8.5 | 1.0 | | | | | | | |
| run3 | 2/9/2021 | 10:12:00 | 13.56 | 4.01 | 8.4 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:12:15 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:12:30 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:12:45 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | |
| run3 | 2/9/2021 | 10:13:00 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:13:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:13:30 | 13.58 | 3.98 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:13:45 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:14:00 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:14:15 | 13.59 | 3.99 | 8.0 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:14:30 | 13.58 | 3.98 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:14:45 | 13.58 | 3.98 | 8.2 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:15:00 | 13.58 | 3.99 | 8.2 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:15:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:15:30 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:15:45 | 13.58 | 4.00 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:16:00 | 13.59 | 4.00 | 9.2 | 1.4 | | | | | | | |
| run3 | 2/9/2021 | 10:16:15 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:16:30 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:16:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:17:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:17:15 | 13.57 | 3.98 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:17:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:17:45 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:18:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:18:15 | 13.57 | 3.99 | 8.2 | 1.3 | | | | | | | |
| run3 | 2/9/2021 | 10:18:30 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:18:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:19:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:19:15 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:19:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:19:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:20:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:20:15 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | |
| run3 | 2/9/2021 | 10:20:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run3 | 2/9/2021 | 10:20:45 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:00 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:15 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:30 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run3 | 2/9/2021 | 10:21:45 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| averun3 | 2/9/2021 | 10:01:00 | 13.57 | 3.99 | 8.2 | 1.2 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 10:22:15 | 13.56 | 4.00 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:22:30 | 13.57 | 4.00 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:22:45 | 15.05 | 2.39 | 8.1 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:00 | 3.39 | 0.37 | 2.8 | 1.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:15 | 0.33 | 0.14 | 5.7 | 4.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:30 | 0.19 | 0.09 | 8.5 | 7.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:23:45 | 0.15 | 0.07 | 9.0 | 9.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:24:00 | 0.14 | 0.05 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:24:15 | 0.12 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:24:30 | 0.12 | 0.02 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 | 10:24:30 | 0.12 | 0.02 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 | 10:24:30 | 0.12 | 0.02 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:24:45 | 0.11 | 0.02 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:00 | 0.11 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:15 | 0.10 | 0.00 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:30 | 1.22 | 0.83 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:25:45 | 8.75 | 9.20 | 5.5 | 7.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:00 | 9.89 | 10.82 | 0.6 | 3.1 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:15 | 9.97 | 11.07 | 0.1 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:30 | 9.98 | 11.16 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:26:45 | 9.99 | 11.22 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:27:00 | 10.00 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:27:15 | 10.00 | 11.30 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:27:30 | 10.00 | 11.33 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 | 10:27:30 | 10.00 | 11.33 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 | 10:27:30 | 10.00 | 11.33 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:27:45 | 10.00 | 11.34 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:00 | 10.01 | 11.36 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:15 | 10.01 | 11.39 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:30 | 9.92 | 11.35 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:28:45 | 2.71 | 3.76 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:00 | 0.26 | 0.63 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:15 | 0.16 | 0.40 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:30 | 0.13 | 0.30 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:29:45 | 0.12 | 0.24 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:00 | 0.11 | 0.19 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:15 | 0.10 | 0.16 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 10:30:45 | 0.09 | 0.11 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 10:30:30 | 0.09 | 0.13 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run4 | 2/9/2021 | 10:34:00 | 13.53 | 3.96 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:34:15 | 13.53 | 3.97 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:34:30 | 13.53 | 3.98 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:34:45 | 13.54 | 3.96 | 8.1 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:00 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:15 | 13.54 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:30 | 13.55 | 3.97 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:35:45 | 13.55 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:00 | 13.54 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:15 | 13.54 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:30 | 13.54 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:36:45 | 13.54 | 3.99 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:00 | 13.54 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:15 | 13.54 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:30 | 13.54 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:37:45 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:00 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:15 | 13.55 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:30 | 13.55 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:38:45 | 13.54 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:00 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:15 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:30 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:39:45 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:00 | 13.54 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:15 | 13.55 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:40:45 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:00 | 13.55 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:15 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:30 | 13.57 | 4.01 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:41:45 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:00 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:15 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:30 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:42:45 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:00 | 13.56 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:15 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:30 | 13.56 | 4.00 | 8.1 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:43:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:15 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:30 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:44:45 | 13.58 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:00 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:15 | 13.58 | 3.99 | 8.0 | 1.4 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:30 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:45:45 | 13.58 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:15 | 13.57 | 4.00 | 8.1 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:30 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:46:45 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:00 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:15 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:47:45 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:00 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:15 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:48:45 | 13.56 | 4.00 | 8.5 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:00 | 13.57 | 4.00 | 8.4 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:15 | 13.59 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:49:45 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:00 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:15 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:50:45 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:15 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:30 | 13.56 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:51:45 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:00 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:15 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:30 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:52:45 | 13.54 | 4.01 | 8.5 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:00 | 13.54 | 4.01 | 8.6 | 1.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:15 | 13.55 | 4.01 | 8.5 | 1.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:30 | 13.56 | 4.00 | 8.4 | 1.0 | | | | | | | | |
| run4 | 2/9/2021 | 10:53:45 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:00 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:15 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:30 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:54:45 | 13.56 | 4.00 | 8.4 | 1.2 | | | | | | | | |
| run4 | 2/9/2021 | 10:55:00 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| averun4 | 2/9/2021 | 10:34:00 | 13.56 | 3.99 | 8.2 | 1.2 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 10:55:15 | 13.57 | 3.99 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:55:30 | 13.57 | 4.00 | 8.3 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:55:45 | 14.09 | 3.78 | 8.3 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:00 | 14.51 | 0.80 | 5.9 | 1.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:15 | 1.50 | 0.24 | 2.3 | 1.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:30 | 0.26 | 0.12 | 6.9 | 5.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:56:45 | 0.18 | 0.09 | 8.9 | 8.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:00 | 0.15 | 0.07 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:15 | 0.13 | 0.05 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:30 | 0.12 | 0.04 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:57:45 | 0.12 | 0.03 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 10:58:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 | 10:58:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 | 10:58:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:58:15 | 0.10 | 0.01 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:58:30 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:58:45 | 0.09 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:00 | 1.22 | 0.66 | 9.0 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:15 | 8.66 | 9.05 | 5.7 | 7.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:30 | 9.89 | 10.82 | 0.6 | 3.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 10:59:45 | 9.96 | 11.07 | 0.1 | 0.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:00 | 9.98 | 11.15 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:15 | 9.99 | 11.22 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:30 | 9.99 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:00:45 | 9.99 | 11.30 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:01:00 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 11:01:15 | 10.01 | 11.35 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 | 11:01:00 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 | 11:01:00 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:01:30 | 10.01 | 11.37 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:01:45 | 10.01 | 11.39 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:00 | 10.01 | 11.40 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:15 | 10.10 | 11.34 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:30 | 4.75 | 5.93 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:02:45 | 0.34 | 0.77 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:00 | 0.17 | 0.44 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:15 | 0.13 | 0.33 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:30 | 0.12 | 0.26 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:03:45 | 0.11 | 0.22 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:00 | 0.10 | 0.18 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:15 | 0.09 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:30 | 0.09 | 0.13 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:05:00 | 0.08 | 0.09 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 11:05:15 | 0.07 | 0.07 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 11:04:45 | 0.08 | 0.11 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run5 | 2/9/2021 | 11:08:00 | 13.50 | 3.96 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:08:15 | 13.50 | 3.97 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:08:30 | 13.51 | 3.97 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:08:45 | 13.51 | 3.98 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:00 | 13.51 | 3.98 | 8.4 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:15 | 13.52 | 3.98 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:30 | 13.53 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:09:45 | 13.53 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:00 | 13.54 | 3.99 | 8.2 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:15 | 13.55 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:30 | 13.56 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:10:45 | 13.56 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:00 | 13.56 | 3.98 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:15 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:11:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:15 | 13.56 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:30 | 13.56 | 3.98 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:12:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:00 | 13.55 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:15 | 13.54 | 4.00 | 8.3 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:30 | 13.55 | 3.99 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:13:45 | 13.55 | 4.00 | 8.3 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:00 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:15 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:14:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:00 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:15 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:30 | 13.56 | 3.99 | 8.2 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:15:45 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:00 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:15 | 13.57 | 4.00 | 8.0 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:30 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:16:45 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:15 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:30 | 13.57 | 3.99 | 8.0 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:17:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:00 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:15 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:18:45 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | |
| run5 | 2/9/2021 | 11:19:00 | 13.57 | 4.00 | 8.2 | 1.3 | | | | | | | | |
| run5 | 2/9/2021 | 11:19:15 | 13.55 | 4.00 | 8.2 | 1.2 | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:19:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:19:45 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:00 | 13.55 | 4.01 | 8.4 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:15 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:30 | 13.55 | 4.00 | 8.4 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:20:45 | 13.54 | 4.00 | 8.4 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:00 | 13.55 | 4.01 | 8.5 | 1.0 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:15 | 13.55 | 4.01 | 8.5 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:30 | 13.55 | 4.00 | 8.5 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:21:45 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:00 | 13.56 | 3.99 | 8.3 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:15 | 13.56 | 4.00 | 8.3 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:30 | 13.57 | 4.00 | 8.3 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:22:45 | 13.56 | 3.99 | 8.3 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:00 | 13.56 | 4.00 | 8.2 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:15 | 13.56 | 4.00 | 8.1 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:30 | 13.57 | 4.00 | 8.1 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:23:45 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:00 | 13.57 | 4.00 | 8.2 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:15 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:30 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:24:45 | 13.56 | 3.99 | 8.2 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:00 | 13.57 | 4.00 | 8.2 | 1.1 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:25:45 | 13.58 | 3.98 | 8.0 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:00 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:15 | 13.59 | 3.99 | 8.0 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:30 | 13.59 | 3.98 | 8.0 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:26:45 | 13.59 | 3.98 | 8.0 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:00 | 13.59 | 3.98 | 8.0 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:15 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:30 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:27:45 | 13.58 | 3.99 | 8.0 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:00 | 13.58 | 3.98 | 8.1 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:15 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:30 | 13.57 | 4.00 | 8.2 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:28:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | | |
| run5 | 2/9/2021 | 11:29:00 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | | |
| averun5 | 2/9/2021 | 11:08:00 | 13.56 | 3.99 | 8.2 | 1.2 | 21 | | | | | | | | | |
| scg5 | 2/9/2021 | 11:29:15 | 13.57 | 3.99 | 8.2 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:29:30 | 13.57 | 3.99 | 8.2 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:29:45 | 13.58 | 3.99 | 8.2 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:30:00 | 15.34 | 1.56 | 7.2 | 1.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:30:15 | 2.47 | 0.30 | 2.3 | 1.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:30:30 | 0.29 | 0.14 | 6.6 | 5.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:30:45 | 0.19 | 0.09 | 8.7 | 8.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:31:00 | 0.16 | 0.07 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:31:15 | 0.14 | 0.05 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:31:30 | 0.13 | 0.04 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:31:45 | 0.12 | 0.03 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:32:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg5 | 2/9/2021 | 11:32:15 | 0.11 | 0.01 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| noxspan1 | 2/9/2021 | 11:32:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| cospan1 | 2/9/2021 | 11:32:00 | 0.11 | 0.02 | 9.0 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:32:30 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:32:45 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:33:00 | 0.10 | -0.01 | 9.1 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:33:15 | 2.63 | 2.24 | 9.1 | 9.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:33:30 | 9.32 | 9.94 | 4.1 | 6.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:33:45 | 9.91 | 10.89 | 0.2 | 2.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:34:00 | 9.96 | 11.08 | 0.1 | 0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:34:15 | 9.98 | 11.16 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:34:30 | 9.99 | 11.22 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:34:45 | 9.99 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:35:00 | 10.00 | 11.30 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:35:15 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg3 | 2/9/2021 | 11:35:30 | 10.00 | 11.34 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| o2span1 | 2/9/2021 | 11:35:15 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| co2span1 | 2/9/2021 | 11:35:15 | 10.00 | 11.32 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:35:45 | 9.99 | 11.36 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:36:00 | 10.01 | 11.38 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:36:15 | 10.04 | 11.37 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:36:30 | 6.31 | 7.54 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:36:45 | 0.46 | 0.93 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:37:00 | 0.19 | 0.46 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:37:15 | 0.14 | 0.34 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:37:30 | 0.12 | 0.26 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:37:45 | 0.11 | 0.21 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:38:00 | 0.11 | 0.18 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:38:15 | 0.10 | 0.15 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| scg1 | 2/9/2021 | 11:38:45 | 0.09 | 0.10 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| o2zero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| co2zero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| noxzero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| cozero1 | 2/9/2021 | 11:38:30 | 0.09 | 0.12 | 0.0 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | | |
| run6 | 2/9/2021 | 11:42:00 | 13.53 | 3.96 | 8.0 | 1.3 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:42:15 | 13.53 | 3.96 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:42:30 | 13.53 | 3.96 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:42:45 | 13.54 | 3.97 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:00 | 13.53 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:15 | 13.54 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:30 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:43:45 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:00 | 13.55 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:15 | 13.54 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:30 | 13.54 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:44:45 | 13.54 | 3.99 | 8.1 | 1.1 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:00 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:15 | 13.55 | 3.99 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:30 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:45:45 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:00 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:15 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:30 | 13.56 | 3.99 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:46:45 | 13.56 | 3.98 | 8.1 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:00 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:15 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:30 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:47:45 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:00 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:15 | 13.55 | 3.99 | 8.2 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:30 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | | | |
| run6 | 2/9/2021 | 11:48:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:00 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:15 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:30 | 13.58 | 4.00 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:49:45 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:00 | 13.56 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:15 | 13.56 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:30 | 13.57 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:50:45 | 13.57 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:00 | 13.57 | 3.99 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:15 | 13.56 | 4.00 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:30 | 13.56 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:51:45 | 13.56 | 3.99 | 8.2 | 1.0 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:00 | 13.58 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:15 | 13.58 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:30 | 13.58 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:52:45 | 13.58 | 3.99 | 8.0 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:00 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:15 | 13.57 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:30 | 13.57 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:53:45 | 13.58 | 3.98 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:00 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:15 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:30 | 13.57 | 3.98 | 8.1 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:54:45 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:00 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:15 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:30 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:55:45 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:00 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:30 | 13.58 | 3.99 | 8.1 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:56:45 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:00 | 13.58 | 3.98 | 8.0 | 1.3 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:15 | 13.57 | 3.99 | 8.1 | 1.3 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:30 | 13.57 | 3.98 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:57:45 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:00 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:15 | 13.57 | 3.99 | 8.3 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:30 | 13.57 | 4.00 | 8.3 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 11:58:45 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:00 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:15 | 13.56 | 4.00 | 8.4 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:30 | 13.56 | 4.00 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 11:59:45 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:00 | 13.57 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:15 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:30 | 13.57 | 4.00 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:00:45 | 13.57 | 3.99 | 8.3 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:00 | 13.58 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:15 | 13.58 | 3.99 | 8.2 | 1.1 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:01:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:00 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:15 | 13.58 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:30 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| run6 | 2/9/2021 | 12:02:45 | 13.57 | 3.99 | 8.2 | 1.2 | | | | | | | | | |
| averun6 | 2/9/2021 | 11:42:00 | 13.56 | 3.99 | 8.2 | 1.2 | 21 | | | | | | | | |
| scg5 | 2/9/2021 | 12:03:00 | 13.57 | 3.99 | 8.2 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:15 | 13.57 | 3.99 | 8.2 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:30 | 13.57 | 3.99 | 8.3 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:03:45 | 9.79 | 2.86 | 8.3 | 1.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:00 | 0.76 | 0.34 | 6.5 | 3.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:15 | 0.23 | 0.16 | 7.9 | 6.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:30 | 0.17 | 0.11 | 9.0 | 8.8 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:04:45 | 0.15 | 0.07 | 9.0 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:05:00 | 0.14 | 0.06 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg5 | 2/9/2021 | 12:05:15 | 0.12 | 0.04 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| noxspan1 | 2/9/2021 | 12:05:15 | 0.12 | 0.04 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| cospan1 | 2/9/2021 | 12:05:15 | 0.12 | 0.04 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:05:30 | 0.11 | 0.03 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:05:45 | 0.10 | 0.02 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:00 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:15 | 0.12 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:30 | 6.17 | 6.01 | 8.0 | 8.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:06:45 | 9.76 | 10.56 | 1.8 | 4.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:00 | 9.95 | 11.01 | 0.2 | 1.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:15 | 9.97 | 11.12 | 0.1 | 0.0 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:30 | 9.98 | 11.19 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:07:45 | 9.99 | 11.24 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:08:00 | 9.99 | 11.27 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg3 | 2/9/2021 | 12:08:15 | 10.00 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| o2span1 | 2/9/2021 | 12:08:15 | 10.00 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| co2span1 | 2/9/2021 | 12:08:15 | 10.00 | 11.31 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:08:30 | 10.00 | 11.33 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:08:45 | 10.01 | 11.35 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:00 | 10.01 | 11.37 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:15 | 8.29 | 9.78 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:30 | 0.84 | 1.47 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:09:45 | 0.21 | 0.52 | 0.1 | -0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:00 | 0.15 | 0.35 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:15 | 0.13 | 0.27 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:30 | 0.12 | 0.22 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:10:45 | 0.10 | 0.18 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:00 | 0.10 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| scg1 | 2/9/2021 | 12:11:30 | 0.09 | 0.10 | 0.0 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| o2zero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| co2zero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| noxzero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| cozero1 | 2/9/2021 | 12:11:15 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | | |
| run7 | 2/9/2021 | 12:14:00 | 13.50 | 3.93 | 8.0 | 1.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:15 | 13.50 | 3.94 | 8.0 | 1.1 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:30 | 13.51 | 3.95 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:14:45 | 13.52 | 3.95 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:00 | 13.52 | 3.95 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:15 | 13.52 | 3.96 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:30 | 13.53 | 3.96 | 7.9 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:15:45 | 13.54 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:00 | 13.53 | 3.96 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:15 | 13.54 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:30 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:16:45 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:00 | 13.55 | 3.97 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:15 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | | |
| run7 | 2/9/2021 | 12:17:30 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| run7 | 2/9/2021 | 12:17:45 | 13.55 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:00 | 13.54 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:15 | 13.55 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:30 | 13.55 | 3.99 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:18:45 | 13.55 | 3.99 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:00 | 13.55 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:15 | 13.55 | 3.99 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:30 | 13.56 | 3.98 | 8.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:19:45 | 13.56 | 3.97 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:00 | 13.56 | 3.98 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:15 | 13.57 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:30 | 13.56 | 3.98 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:20:45 | 13.57 | 3.98 | 8.0 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:00 | 13.58 | 3.98 | 8.0 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:15 | 13.60 | 3.97 | 7.9 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:30 | 13.60 | 3.96 | 7.7 | 1.3 | | | | | | | | |
| run7 | 2/9/2021 | 12:21:45 | 13.60 | 3.96 | 7.7 | 1.4 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:00 | 13.60 | 3.97 | 7.7 | 1.4 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:15 | 13.58 | 3.97 | 7.8 | 1.4 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:30 | 13.57 | 3.98 | 8.6 | 1.3 | | | | | | | | |
| run7 | 2/9/2021 | 12:22:45 | 13.57 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:00 | 13.56 | 3.99 | 9.4 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:15 | 13.56 | 3.99 | 9.5 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:30 | 13.55 | 3.99 | 9.5 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:23:45 | 13.54 | 4.00 | 9.6 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:00 | 13.54 | 3.99 | 9.6 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:15 | 13.54 | 4.00 | 9.6 | 0.9 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:30 | 13.55 | 4.00 | 9.6 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:24:45 | 13.55 | 4.00 | 9.5 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:00 | 13.55 | 3.99 | 9.4 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:15 | 13.56 | 3.99 | 9.4 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:30 | 13.57 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:25:45 | 13.57 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:00 | 13.58 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:15 | 13.58 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:30 | 13.58 | 3.99 | 9.2 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:26:45 | 13.58 | 3.98 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:00 | 13.59 | 3.98 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:15 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:30 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:27:45 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:00 | 13.58 | 3.99 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:15 | 13.60 | 4.00 | 9.5 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:30 | 13.58 | 3.99 | 9.2 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:28:45 | 13.58 | 3.98 | 9.1 | 1.2 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:00 | 13.58 | 3.98 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:15 | 13.57 | 3.99 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:30 | 13.57 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:29:45 | 13.57 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:00 | 13.57 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:15 | 13.57 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:30:45 | 13.56 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:00 | 13.56 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:15 | 13.56 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:30 | 13.56 | 3.98 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:31:45 | 13.56 | 3.99 | 9.3 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:00 | 13.55 | 3.99 | 9.3 | 1.0 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:15 | 13.55 | 3.99 | 9.3 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:32:45 | 13.56 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:00 | 13.56 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:15 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:33:45 | 13.56 | 3.98 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:00 | 13.57 | 3.98 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:15 | 13.57 | 3.99 | 9.1 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:30 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| run7 | 2/9/2021 | 12:34:45 | 13.56 | 3.99 | 9.2 | 1.1 | | | | | | | | |
| averun7 | 2/9/2021 | 12:14:00 | 13.56 | 3.98 | 8.7 | 1.1 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 12:35:00 | 13.57 | 3.98 | 9.1 | 1.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:15 | 13.58 | 3.98 | 9.1 | 1.1 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:30 | 13.59 | 3.97 | 8.9 | 1.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:35:45 | 8.33 | 2.42 | 8.7 | 1.4 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:00 | 0.55 | 0.28 | 6.6 | 3.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:15 | 0.21 | 0.14 | 8.1 | 7.0 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:30 | 0.17 | 0.10 | 9.0 | 8.9 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:36:45 | 0.14 | 0.07 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:00 | 0.12 | 0.05 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:15 | 0.12 | 0.04 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 12:37:30 | 0.11 | 0.02 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 | 12:37:30 | 0.11 | 0.02 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 | 12:37:30 | 0.11 | 0.02 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:37:45 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:00 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:15 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:30 | 1.75 | 1.32 | 9.0 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:38:45 | 9.03 | 9.58 | 5.1 | 6.8 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:00 | 9.90 | 10.87 | 0.4 | 2.6 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:15 | 9.96 | 11.07 | 0.1 | 0.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:30 | 9.98 | 11.15 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:39:45 | 9.99 | 11.21 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:40:00 | 9.99 | 11.26 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 12:40:15 | 10.00 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 | 12:40:15 | 10.00 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 | 12:40:15 | 10.00 | 11.29 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:40:30 | 10.00 | 11.32 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:40:45 | 10.00 | 11.34 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:00 | 10.00 | 11.36 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:15 | 9.35 | 10.83 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:30 | 1.46 | 2.27 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:41:45 | 0.22 | 0.55 | 0.1 | -0.2 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:00 | 0.15 | 0.36 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:15 | 0.13 | 0.27 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:30 | 0.11 | 0.22 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:42:45 | 0.10 | 0.18 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:43:00 | 0.10 | 0.15 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 12:43:15 | 0.08 | 0.11 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run8 | 2/9/2021 | 12:46:00 | 13.55 | 3.93 | 9.0 | 0.9 | | | | | | | | |
| run8 | 2/9/2021 | 12:46:15 | 13.54 | 3.94 | 9.1 | 1.0 | | | | | | | | |
| run8 | 2/9/2021 | 12:46:30 | 13.54 | 3.95 | 9.1 | 0.9 | | | | | | | | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H |
|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 |
| offset | | | 0 | 0 | 0 | 0 |
| fullscale | | | 25 | 25 | 25 | 25 |
| train | | | 1 | 1 | 1 | 1 |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 |
| run8 | 2/9/2021 | 12:46:45 | 13.52 | 3.96 | 9.2 | 0.9 |
| run8 | 2/9/2021 | 12:47:00 | 13.54 | 3.96 | 9.3 | 0.9 |
| run8 | 2/9/2021 | 12:47:15 | 13.54 | 3.96 | 9.3 | 0.9 |
| run8 | 2/9/2021 | 12:47:30 | 13.54 | 3.96 | 9.3 | 0.9 |
| run8 | 2/9/2021 | 12:47:45 | 13.58 | 3.94 | 9.2 | 0.9 |
| run8 | 2/9/2021 | 12:48:00 | 13.64 | 3.92 | 8.7 | 1.0 |
| run8 | 2/9/2021 | 12:48:15 | 13.68 | 3.90 | 8.1 | 1.4 |
| run8 | 2/9/2021 | 12:48:30 | 13.69 | 3.89 | 7.7 | 1.8 |
| run8 | 2/9/2021 | 12:48:45 | 13.68 | 3.90 | 7.7 | 1.9 |
| run8 | 2/9/2021 | 12:49:00 | 13.66 | 3.91 | 8.0 | 1.8 |
| run8 | 2/9/2021 | 12:49:15 | 13.64 | 3.92 | 8.2 | 1.6 |
| run8 | 2/9/2021 | 12:49:30 | 13.62 | 3.94 | 9.3 | 1.4 |
| run8 | 2/9/2021 | 12:49:45 | 13.61 | 3.94 | 10.2 | 1.2 |
| run8 | 2/9/2021 | 12:50:00 | 13.59 | 3.95 | 10.4 | 1.1 |
| run8 | 2/9/2021 | 12:50:15 | 13.58 | 3.97 | 10.7 | 0.9 |
| run8 | 2/9/2021 | 12:50:30 | 13.56 | 3.97 | 10.8 | 0.9 |
| run8 | 2/9/2021 | 12:50:45 | 13.56 | 3.97 | 10.8 | 0.8 |
| run8 | 2/9/2021 | 12:51:00 | 13.55 | 3.98 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:51:15 | 13.55 | 3.98 | 10.9 | 0.8 |
| run8 | 2/9/2021 | 12:51:30 | 13.55 | 3.98 | 11.0 | 0.8 |
| run8 | 2/9/2021 | 12:51:45 | 13.54 | 3.98 | 11.0 | 0.7 |
| run8 | 2/9/2021 | 12:52:00 | 13.55 | 3.98 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:52:15 | 13.56 | 3.97 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:52:30 | 13.56 | 3.98 | 10.9 | 0.7 |
| run8 | 2/9/2021 | 12:52:45 | 13.57 | 3.97 | 10.8 | 0.7 |
| run8 | 2/9/2021 | 12:53:00 | 13.57 | 3.97 | 10.7 | 0.8 |
| run8 | 2/9/2021 | 12:53:15 | 13.58 | 3.97 | 10.6 | 0.8 |
| run8 | 2/9/2021 | 12:53:30 | 13.59 | 3.97 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:53:45 | 13.59 | 3.96 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:54:00 | 13.60 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:54:15 | 13.59 | 3.96 | 10.3 | 0.9 |
| run8 | 2/9/2021 | 12:54:30 | 13.59 | 3.96 | 10.4 | 0.9 |
| run8 | 2/9/2021 | 12:54:45 | 13.59 | 3.96 | 10.4 | 0.9 |
| run8 | 2/9/2021 | 12:55:00 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:55:15 | 13.59 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:55:30 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:55:45 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:56:00 | 13.60 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:56:15 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:56:30 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:56:45 | 13.59 | 3.97 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:57:00 | 13.59 | 3.97 | 10.5 | 0.8 |
| run8 | 2/9/2021 | 12:57:15 | 13.59 | 3.97 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:57:30 | 13.59 | 3.97 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:57:45 | 13.59 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:58:00 | 13.59 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:58:15 | 13.60 | 3.96 | 10.3 | 0.7 |
| run8 | 2/9/2021 | 12:58:30 | 13.59 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:58:45 | 13.60 | 3.96 | 10.4 | 0.8 |
| run8 | 2/9/2021 | 12:59:00 | 13.59 | 3.97 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:59:15 | 13.60 | 3.96 | 10.3 | 0.8 |
| run8 | 2/9/2021 | 12:59:30 | 13.60 | 3.96 | 10.2 | 0.7 |
| run8 | 2/9/2021 | 12:59:45 | 13.60 | 3.96 | 10.2 | 0.8 |
| run8 | 2/9/2021 | 13:00:00 | 13.59 | 3.97 | 10.2 | 0.7 |
| run8 | 2/9/2021 | 13:00:15 | 13.59 | 3.97 | 10.2 | 0.7 |
| run8 | 2/9/2021 | 13:00:30 | 13.59 | 3.97 | 10.2 | 0.8 |
| run8 | 2/9/2021 | 13:00:45 | 13.59 | 3.97 | 10.1 | 0.7 |
| run8 | 2/9/2021 | 13:01:00 | 13.58 | 3.97 | 10.0 | 0.7 |
| run8 | 2/9/2021 | 13:01:15 | 13.59 | 3.96 | 9.8 | 0.9 |
| run8 | 2/9/2021 | 13:01:30 | 13.59 | 3.96 | 9.8 | 0.8 |
| run8 | 2/9/2021 | 13:01:45 | 13.60 | 3.96 | 9.8 | 0.7 |
| run8 | 2/9/2021 | 13:02:00 | 13.60 | 3.96 | 9.7 | 0.7 |
| run8 | 2/9/2021 | 13:02:15 | 13.61 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:02:30 | 13.62 | 3.94 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:02:45 | 13.63 | 3.94 | 9.5 | 0.8 |
| run8 | 2/9/2021 | 13:03:00 | 13.63 | 3.95 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:03:15 | 13.63 | 3.95 | 9.4 | 0.7 |
| run8 | 2/9/2021 | 13:03:30 | 13.63 | 3.95 | 9.4 | 0.8 |
| run8 | 2/9/2021 | 13:03:45 | 13.62 | 3.94 | 9.4 | 0.8 |
| run8 | 2/9/2021 | 13:04:00 | 13.62 | 3.95 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:04:15 | 13.63 | 3.94 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:04:30 | 13.63 | 3.94 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:04:45 | 13.63 | 3.94 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:05:00 | 13.63 | 3.95 | 9.5 | 0.7 |
| run8 | 2/9/2021 | 13:05:15 | 13.63 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:05:30 | 13.62 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:05:45 | 13.63 | 3.96 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:06:00 | 13.62 | 3.95 | 9.7 | 0.7 |
| run8 | 2/9/2021 | 13:06:15 | 13.63 | 3.95 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:06:30 | 13.62 | 3.94 | 9.6 | 0.7 |
| run8 | 2/9/2021 | 13:06:45 | 13.63 | 3.95 | 9.7 | 0.7 |
| run8 | 2/9/2021 | 13:07:00 | 13.62 | 3.95 | 9.6 | 0.7 |
| averun8 | 2/9/2021 | 12:46:00 | 13.60 | 3.96 | 9.9 | 0.8 |
| scg5 | 2/9/2021 | 13:07:30 | 13.63 | 3.95 | 9.7 | 0.7 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:07:45 | 13.63 | 3.95 | 9.7 | 0.7 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:00 | 13.58 | 3.94 | 9.7 | 0.7 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:15 | 5.25 | 1.48 | 8.5 | 1.2 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:30 | 0.38 | 0.22 | 7.1 | 4.2 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:08:45 | 0.19 | 0.12 | 8.5 | 7.4 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:00 | 0.16 | 0.08 | 9.1 | 9.0 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:15 | 0.14 | 0.05 | 9.1 | 9.2 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:30 | 0.13 | 0.04 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg5 | 2/9/2021 | 13:09:45 | 0.11 | 0.03 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| noxspan1 | 2/9/2021 | 13:09:45 | 0.11 | 0.03 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| cospan1 | 2/9/2021 | 13:09:45 | 0.11 | 0.03 | 9.1 | 9.3 CC492629/cg5 NOx 9.344 CO 9.406 0 0 |
| scg3 | 2/9/2021 | 13:10:00 | 0.11 | 0.02 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:10:15 | 0.10 | 0.00 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:10:30 | 0.10 | 0.00 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:10:45 | 0.72 | 0.38 | 9.1 | 9.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:00 | 8.36 | 8.68 | 6.5 | 7.4 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:15 | 9.88 | 10.79 | 0.4 | 3.4 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:30 | 9.96 | 11.05 | 0.2 | 0.6 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:11:45 | 9.98 | 11.14 | 0.1 | -0.2 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:12:00 | 9.99 | 11.21 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:12:15 | 9.99 | 11.24 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg3 | 2/9/2021 | 13:12:30 | 9.99 | 11.28 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| o2span1 | 2/9/2021 | 13:12:30 | 9.99 | 11.28 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| co2span1 | 2/9/2021 | 13:12:30 | 9.99 | 11.28 | 0.1 | -0.3 CC 705271/cg3 O2 10.26 CO2 11.47 0 0 |
| scg1 | 2/9/2021 | 13:12:45 | 10.00 | 11.31 | 0.1 | -0.3 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:00 | 10.00 | 11.33 | 0.1 | -0.4 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:15 | 10.00 | 11.35 | 0.1 | -0.4 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:30 | 9.96 | 11.35 | 0.1 | -0.4 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:13:45 | 3.02 | 4.12 | 0.1 | -0.3 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:14:00 | 0.26 | 0.63 | 0.1 | -0.2 CC472641/cg1 O2 0 CO2 0 0 0 |
| scg1 | 2/9/2021 | 13:14:15 | 0.16 | 0.38 | 0.1 | 0.0 CC472641/cg1 O2 0 CO2 0 0 0 |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg1 | 2/9/2021 | 13:14:30 | 0.12 | 0.29 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:14:45 | 0.11 | 0.22 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:00 | 0.10 | 0.18 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:15 | 0.10 | 0.15 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:30 | 0.09 | 0.12 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 13:15:45 | 0.08 | 0.10 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| run9 | 2/9/2021 | 13:18:00 | 13.57 | 3.87 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:18:15 | 13.58 | 3.88 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:18:30 | 13.58 | 3.89 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:18:45 | 13.57 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:00 | 13.58 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:15 | 13.59 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:30 | 13.60 | 3.91 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:19:45 | 13.61 | 3.91 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:00 | 13.61 | 3.92 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:15 | 13.61 | 3.92 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:30 | 13.62 | 3.92 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:20:45 | 13.63 | 3.92 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:00 | 13.63 | 3.92 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:15 | 13.63 | 3.92 | 9.2 | 0.8 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:30 | 13.62 | 3.93 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:21:45 | 13.63 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:00 | 13.62 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:15 | 13.62 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:30 | 13.61 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:22:45 | 13.61 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:00 | 13.60 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:15 | 13.59 | 3.95 | 9.6 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:30 | 13.60 | 3.95 | 9.7 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:23:45 | 13.60 | 3.95 | 9.7 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:00 | 13.60 | 3.95 | 9.6 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:15 | 13.60 | 3.95 | 9.6 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:30 | 13.60 | 3.95 | 9.6 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:24:45 | 13.60 | 3.94 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:00 | 13.61 | 3.94 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:15 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:30 | 13.62 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:25:45 | 13.62 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:00 | 13.62 | 3.94 | 9.5 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:15 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:30 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:26:45 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:00 | 13.62 | 3.93 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:15 | 13.62 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:30 | 13.62 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:27:45 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:00 | 13.61 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:15 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:30 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:28:45 | 13.60 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:00 | 13.60 | 3.96 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:15 | 13.63 | 3.94 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:30 | 13.64 | 3.94 | 9.1 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:29:45 | 13.64 | 3.93 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:00 | 13.65 | 3.93 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:15 | 13.64 | 3.94 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:30 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:30:45 | 13.64 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:00 | 13.63 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:15 | 13.63 | 3.94 | 9.3 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:30 | 13.64 | 3.94 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:31:45 | 13.64 | 3.94 | 9.2 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:00 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:15 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:30 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:32:45 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:00 | 13.64 | 3.94 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:15 | 13.64 | 3.94 | 9.0 | 0.8 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:30 | 13.65 | 3.93 | 9.0 | 0.8 | | | | | | | | |
| run9 | 2/9/2021 | 13:33:45 | 13.65 | 3.93 | 8.9 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:00 | 13.65 | 3.93 | 9.0 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:15 | 13.65 | 3.93 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:30 | 13.65 | 3.93 | 9.1 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:34:45 | 13.64 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:00 | 13.64 | 3.94 | 9.2 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:15 | 13.64 | 3.93 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:30 | 13.64 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:35:45 | 13.64 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:00 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:15 | 13.63 | 3.95 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:30 | 13.62 | 3.95 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:36:45 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:00 | 13.61 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:15 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:30 | 13.62 | 3.95 | 9.5 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:37:45 | 13.63 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:00 | 13.63 | 3.95 | 9.4 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:15 | 13.63 | 3.94 | 9.3 | 0.6 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:30 | 13.63 | 3.94 | 9.3 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:38:45 | 13.63 | 3.94 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:39:00 | 13.63 | 3.95 | 9.4 | 0.7 | | | | | | | | |
| run9 | 2/9/2021 | 13:39:15 | 13.63 | 3.95 | 9.5 | 0.7 | | | | | | | | |
| averun9 | 2/9/2021 | 13:18:00 | 13.62 | 3.94 | 9.3 | 0.7 | | 21 | | | | | | |
| scg5 | 2/9/2021 | 13:39:30 | 13.62 | 3.94 | 9.5 | 0.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:39:45 | 13.62 | 3.95 | 9.5 | 0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:00 | 14.92 | 3.35 | 9.4 | 0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:15 | 11.20 | 0.55 | 4.9 | 0.6 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:30 | 0.81 | 0.18 | 3.1 | 2.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:40:45 | 0.24 | 0.10 | 7.9 | 6.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:00 | 0.17 | 0.08 | 9.0 | 8.7 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:15 | 0.15 | 0.05 | 9.1 | 9.2 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:30 | 0.13 | 0.04 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg5 | 2/9/2021 | 13:41:45 | 0.12 | 0.03 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| noxspan1 | 2/9/2021 | 13:41:45 | 0.12 | 0.03 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| cospan1 | 2/9/2021 | 13:41:45 | 0.12 | 0.03 | 9.1 | 9.3 | CC492629/cg5 | NOx | 9.344 | CO | 9.406 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:00 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:15 | 0.11 | 0.01 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:30 | 0.10 | 0.00 | 9.1 | 9.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:42:45 | 0.68 | 0.36 | 9.1 | 9.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:43:00 | 8.28 | 8.58 | 6.9 | 7.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:43:15 | 9.87 | 10.77 | 0.4 | 3.5 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |

| name | | | O2 4D H | CO2 4D H | NOx 4D H | CO 4D H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| sn | | | 01420D/3379 | 01415D/3379 | 934838563 | 1336459888 | | | | | | | | |
| offset | | | 0 | 0 | 0 | 0 | | | | | | | | |
| fullscale | | | 25 | 25 | 25 | 25 | | | | | | | | |
| train | | | 1 | 1 | 1 | 1 | | | | | | | | |
| gastype | | | o2 3a | co2 3a | nox 7e | co 10 | | | | | | | | |
| scg3 | 2/9/2021 | 13:43:30 | 9.95 | 11.05 | 0.2 | 0.7 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:43:45 | 9.97 | 11.14 | 0.1 | -0.2 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:00 | 9.98 | 11.20 | 0.1 | -0.3 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:15 | 9.98 | 11.24 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:30 | 9.99 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg3 | 2/9/2021 | 13:44:45 | 9.99 | 11.31 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| o2span1 | 2/9/2021 | 13:44:30 | 9.99 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| co2span1 | 2/9/2021 | 13:44:30 | 9.99 | 11.28 | 0.1 | -0.4 | CC 705271/cg3 | O2 | 10.26 | CO2 | 11.47 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:00 | 9.99 | 11.33 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:15 | 10.00 | 11.35 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:30 | 10.00 | 11.37 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:45:45 | 6.62 | 8.04 | 0.1 | -0.4 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:00 | 0.47 | 0.96 | 0.1 | -0.3 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:15 | 0.18 | 0.45 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:30 | 0.14 | 0.32 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:46:45 | 0.12 | 0.25 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:47:00 | 0.11 | 0.20 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:47:15 | 0.10 | 0.17 | 0.1 | 0.0 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| scg1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| o2zero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| co2zero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| noxzero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| cozero1 | 2/9/2021 | 13:47:30 | 0.09 | 0.14 | 0.1 | 0.1 | CC472641/cg1 | O2 | 0 | CO2 | 0 | 0 | 0 | |
| so2zero | | | | | | | | | | | | | | |
| so2span | | | | | | | | | | | | | | |
| noxzero | | | | | | | | | | | | | | |
| noxspan | | | | | | | | | | | | | | |
| co2zero | | | | | | | | | | | | | | |
| co2span | | | | | | | | | | | | | | |
| o2zero | | | | | | | | | | | | | | |
| o2span | | | | | | | | | | | | | | |
| thczero | | | | | | | | | | | | | | |
| thcspan | | | | | | | | | | | | | | |
| cozero | | | | | | | | | | | | | | |
| cospan | | | | | | | | | | | | | | |

| | |
|---|---|
| so2ezero | Parameter Not Found |
| so2mid | Parameter Not Found |
| so2high | Parameter Not Found |
| noxezero | Parameter Not Found |
| noxlow | Parameter Not Found |
| noxmid | Parameter Not Found |
| noxhigh | Parameter Not Found |
| co2ezero | Parameter Not Found |
| co2mid | Parameter Not Found |
| co2high | Parameter Not Found |
| o2ezero | Parameter Not Found |
| o2mid | Parameter Not Found |
| o2high | Parameter Not Found |
| thcezero | Parameter Not Found |
| thclow | Parameter Not Found |
| thcmid | Parameter Not Found |
| thchigh | Parameter Not Found |
| coezero | Parameter Not Found |
| colow | Parameter Not Found |
| comid | Parameter Not Found |
| cohigh | Parameter Not Found |

End

# Appendix G:  Accreditations and Certifications

STAC STACK TESTING ACCREDITATION COUNCIL

A2LA American Association for Laboratory Accreditation

# *Accredited Air Emission Testing Body*

A2LA has accredited

## C.E.M. SOLUTIONS, INC.

In recognition of the successful completion of the joint A2LA and Stack Testing Accreditation Council (STAC) evaluation process, this laboratory is accredited to perform testing activities in compliance with ASTM D7036:2004 - Standard Practice for Competence of Air Emission Testing Bodies.




Presented this 8th day of January 2020.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3820.02
Valid to December 31, 2021

*This accreditation program is not included under the A2LA ILAC Mutual Recognition Arrangement.*

## jconti@cem-solutions.com

**From:** jconn@cem-solutions.com
**Sent:** Wednesday, February 12, 2020 3:04 PM
**To:** jconti@cem-solutions.com; chorton@cem-solutions.com
**Subject:** Fwd: SES Exam Results - James M. Conn

Best,
James Conn
Source Testing Technician II
C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, FL 34442
Office: (352)-489-4337
Fax: (352)-489-4801
---------- Forwarded message ----------
From: Theresa Lowe <tf_lowe@yahoo.com>
Date: Feb 7, 2020 18:43
Subject: ***SPAM*** SES Exam Results - James M. Conn
To: jconn@cem-solutions.com
Cc:

**THIS EMAIL IS THE OFFICIAL NOTIFICATION OF YOUR SES QUALIFIED SOURCE TESTING INDIVIDUAL OR OBSERVER (QSTI/QSTO) EXAM(S) RESULTS (*Please Print Out for Your Records*)**

| | |
|---|---|
| ***To:*** | ***James M. Conn*** |
| ***Employed by*** | **C.E.M. Solutions, Inc.** |
| ***Phone:*** | ***352-489-4337*** |
| ***Email:*** | ***jconn@cem-solutions.com*** |

The Source Evaluation Society, through its contract with Eastern Technical Associates, has received the score of the exam(s) you completed on the date(s) as listed below. You are required to receive a score of 40 to pass an exam. As noted below, a "P" indicates you passed the exam, a "DNP" indicates that you did not pass the exam.

| *Group #* | *Exam* | *Date of Exam* | *Exam #* | *Score* | *Status* |
|---|---|---|---|---|---|
| 1 | EPA Manual Gas Volume and Flow Measurements and Isokinetic Particulate Sampling Methods | 1/21/20 | 15019 | 37 | DNP |
| 1A | Stack Gas Flow Rate Measurements Sampling Methods | | | | |
| 2 | EPA Manual Gaseous Pollutants Source Sampling Methods | | | | |
| 3 | EPA Gaseous Pollutants Instrumental Methods | 1/21/20 | 15022 | 40 | P |

| | | | | | |
|---|---|---|---|---|---|
| 4 | EPA Hazardous Metals Measurement Methods | | | | |
| 5 | Part 75 CEMS RATA Testing | | | | |

**NOTE: (1) The ECMPS AETB reporting requirements include a provision for an email address to be noted for the exam provider. Your exam provider is the Source Evaluation Society. Please use the following email address: qstiprogram@gmail.com. (2) Your exam score(s), per ASTM D7036-04, will be applicable for five years. You will need to re-take your exam(s) before expiration in order to maintain a current status. You are responsible for keeping track of scheduling for your re-test.**

If you passed one or more exams, you are eligible to apply for your SES QSTI/QSTO qualification approval(s). To complete the qualification process, you will need to do the following: For New Applications / Additional Group Certificates / Renewals: Please check the SES Website (www.sesnews.org) under the link for the "SES QSTI/QSTO Program" for directions on how to apply for your certificate or contact Theresa Lowe at qstiprogram@gmail.com.

Please contact Theresa Lowe of SES (qstiprogram@gmail.com) with any questions about the exams. If you are interested in rescheduling the exam(s), please contact Kristy Radford or Janie Rose-Lofty of ETA (kristy@smokeschool.com; Janie@smokeschool.com)

**All information regarding the QSTI/QSTO application process may be sent by email (*which is the preferred and faster method*) to qstiprogram@gmail.com, or mail your application to:**
**SES g P. O. Box 12124 g Research Triangle Park, NC g 27709-2124**

Please let me know if you have any questions or if I can be of any assistance.

Theresa Lowe
SES QSTI/QSTO Review Committee Administrator