Air Emissions Compliance Test and RATA Report

Completed for:

Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1 (EU -001) and Unit 2 (EU -002)

Test Report Number: 20-7044-0102-001

Test Completed: April 16, 2014

C.E.M. SOLUTIONS

1183 East Overdrive Circle • Hernando, FL 34442 • (352) 489-4337 • Fax: (352) 489-4801

Orange Cogeneration, L.P.
1901 Clear Springs Road
P.O. Box 782
Bartow, FL 33831

May 27, 2014

Mr. Errin Pichard
Florida Department of Environmental Protection
Air Resource Management Building
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399

Re: Orange Cogeneration Limited Partnership
Permit Number: 1050231-010-AV, Orange Cogeneration Facility

Dear Mr. Pichard:

In compliance with the above referenced permit, please find enclosed one (1) copy each of the Unit 1 and Unit 2 Source Test and RATA Reports as well as the aux boiler VE test. Tests were performed concurrently to meet our annual testing requirement. The tests were performed on April 16, 2014. A copy of this report has been forwarded to the appropriate FDEP - District office in Tampa.

CERTIFICATION STATEMENT

I, the undersigned, am the Alternate Designated Representative, of the Title V source for which this document is being submitted. I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.

If you have any questions or require additional information, Kristen Albritton maybe contacted at 863-534-1141, ext. 1009.

Sincerely,

Allen Czerkiewicz
Designated Representative and
Responsible Official

Enclosure

Air Emissions Compliance Test and RATA Report

Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1 (EU -001) and Unit 2 (EU -002)
Bartow, Florida

C.E.M. Solutions Project No. 7044

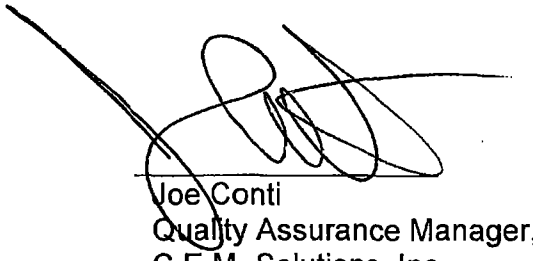
Testing Completed: April 16, 2014

C.E.M. Solutions, Inc Report Number: 20-7044-0102-001

C.E.M. Solutions, Inc.
1183 E. Overdrive Circle
Hernando, Florida 34442
Phone: 352-489-4337

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

C.E.M. Solutions operates in conformance with the requirements of ASTM D 7036-04: Standard Practice for Competence of Air Emission Testing Bodies through the use of a quality system which incorporates a quality manual, internal audit system, systematic training of personnel and rigorous review of test methods and operating procedures.



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

Statement of Validity

I hereby certify the information and data provided in this emissions test report for tests performed on Unit 1 and Unit 2 at the Orange Cogeneration L.P., Orange Cogeneration Facility, conducted on April 16, 2014 are complete and accurate to the best of my knowledge.

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

Project Background

Name of Source Owner:	Orange Cogeneration L.P.
Address of Owner:	1901 Clear Springs Mine Rd. Bartow FL 33830
Source Identification:	Facility ID: 1050231 Emissions Unit: 1 (EU -001), 2 (EU -002)
Location of Source:	Polk County, Florida
Type of Operation:	SIC Code: 4911
Tests Performed:	Method 3A – Determination of Oxygen and Carbon Dioxide Method 7E – Determination of Nitrogen Oxides Method 9 – Visual Determination of Visible emissions
Test Supervisor (QSTI certified):	Alex Houseal
Test Technicians:	Derek Kopera Jake Stevens Joe Conti
Date(s) Tests Conducted:	April 16, 2014: RATA and VE on Units 1 and 2
Site Test Coordinator:	Kristen Albritton
State Regulatory Observers:	No Observers Present

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1.0 Introduction

Orange Cogeneration L.P. retained C.E.M. Solutions, Inc. to perform compliance source emissions testing and a Relative Accuracy Test Audit (RATA) on Units 1 (EU -001) and 2 (EU -002) stationary combustion turbines (CT) located at its Orange Cogeneration Facility in Bartow, Florida.

A Relative Accuracy Test Audit (RATA) was conducted on the NO_X lb/mmBtu CEMS analyzers in order to evaluate the accuracy of Units 1 and 2 CEMS in accordance with the United States Environmental Protection Agency (USEPA) requirements in the Code of Federal Regulations, Title 40, Part 75, Appendix B, and Section 2.3.1. Furthermore, Part 60 RATAs were conducted in order to evaluate compliance status of the Unit 1 and 2 NO_X ppm @ 15% O_2 exhausts, while firing pipeline natural gas, in respect to the Florida Department of Environmental Protection's (FDEP's) permit number 1050231-012-AV. Permit compliance was also determined for visible emissions on Unit 1 and Unit 2. The test program and results are presented and discussed in this report.

Alex Houseal was the QSTI certified project manager for C.E.M. Solutions, Inc. Kristen Albritton of the Orange Cogeneration L.P. Orange Cogeneration Facility coordinated plant operations throughout the test program. All testing was conducted in accordance with test methods promulgated by the USEPA.

Unit 1 and Unit 2 of the Orange Cogeneration Facility were found to be in compliance with permit number 1050234-012-AV. Table 1 summarizes the results of the RATA and compliance tests conducted on Unit 1 and Unit 2.

Table 1: Summary of RATA and Compliance Test
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1 and Unit 2

Pollutant	Unit	Applicable CFR Part	RA or Result	Performance Specification	Pass/ Fail
NO_X ppmvd @ 15%O_2	1	60	1.8	≤ 20%	Pass
NO_X lb/mmBtu	1	75	3.8 %	≤ 10 %	Pass
O_2 %	1	60	0.1	≤ 1.0%	Pass
V.E.	1	permit	0.0	≤ 10%	Pass
NO_X ppmvd @ 15%O_2	2	60	2.9	≤ 20%	Pass
NO_X lb/mmBtu	2	75	2.3	≤ 10 %	Pass
O_2 %	2	60	0.1	≤ 1.0%	Pass
V.E.	2	permit	0.0	≤ 10%	Pass

2.0 Facility Description

The Orange Cogeneration Facility consists of two General Electric Model LM6000 Combustion Turbines (Units 1 and 2) each having a nominal generating capacity of 41.4 MW and are capable of firing natural gas.

2.1 Process Equipment

Units 1 and 2 each have a maximum heat input rating that shall not exceed 377.0 million Btu per hour (mmBtu/hr) when firing natural gas. Heat input is based on the Low Heating Value (LHV) of the fuel. The auxiliary boiler has a maximum heat input of 100 mmBtu/hr firing natural gas.

Control measures and equipment on Units 1 and 2 consists of dry low NO_x burners. Each combustion turbine incorporates an unfired heat recovery steam generator. Emissions are exhausted through separate 100 ft. stacks, each having an inner diameter of 11 ft.

2.2 Regulatory Requirements

The facility is required to conduct annual emissions tests for the following pollutants while operating at 90-100 percent of the heat input curve. Emission testing was conducted to determine the compliance status of the following pollutants:

- NO_X RATA in lb/MMBtu and ppmvd @ 15% O_2
- O_2 in percent
- Visible emissions in percent

In accordance with permit condition A.6, ongoing NO_X compliance is determined by the Continuous Emissions Monitoring System (CEMS) located on the CT stacks. The CEMS was also evaluated during the test program to determine monitoring accuracy.

Table 2 summarizes the applicable emissions and CEMS accuracy limits for Unit 1 and Unit 2.

Table 2: Summary of Emissions and CEMS Accuracy Limits
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1 and Unit 2

Pollutant	Unit	Control Technology	Emission Limit/Performance Specification	Permit Condition
NO_X	1 & 2	DLN	RA ≤ 10.0% or ± 0.020 lb/mmBtu[1]	Part 75
Visual Emission	1 & 2	Good Combustion	≤10% for gas[2]	A.9

1 0.020 lb/mmBtu applies to low emitters
2 Highest 6 minute block average

3.0 Test Program/Operating Conditions

Emissions tests were completed at the Orange Cogeneration Facility to determine the compliance status of Unit 1 and Unit 2 on April 16, 2014.

Visible emission compliance testing and NO_X 40CFR, Part 75 Relative Accuracy Test Audits were conducted concurrently with a NO_X and O_2 Part 60 RATA on Units 1 and 2 while each unit was at base load, firing natural gas.

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)
- Heat Input
- Combustor inlet air temperature
- Fuel flow rate

Table 3 presents the percentage of the maximum heat input, for each Unit, during the V.E. test.

Table 3: Heat Input During Test Program
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1 and Unit 2

Unit	Calculated ISO Corrected Heat Input mmBtu/hr LHV	Maximum Heat Input mmBtu/hr ISO Corrected LHV	Percent of Heat Input %
Unit 1	372.7	377	98.8 %
Unit 2	383.0	377	101.6 %*

* Unit 2 average Heat Input calculated to be greater than unit capacity. Water injection was running as permitted.

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 Instrument Analyzer Procedures

NO_X reference method (RM) data were determined using instrument analyzer procedures. In addition, diluent gas concentrations of oxygen (O_2) were also measured via instrumental methods. O_2 was used to calculate NO_x in lbs/MMBtu (for calculation of lb/hr) and ppm @ 15% O_2. Mathematical equations used to determine calculated emissions standards are located in Appendix B.

Table 4 summarizes the EPA methods and instrumentation:

Table 4: Summary of EPA Instrument Reference Methods
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1 and Unit 2

Pollutant	EPA Method	Instrument	Serial Number
NO_X Unit 1	7E	TEI Model 42i	1200951382
O_2 Unit 1	3A	Servomex 1420	1420D/3379
NO_X Unit 2	7E	TEI Model 42i	1016942787
O_2 Unit 2	3A	Servomex 1420	1420C/2784

All reference method analyzers used meet or exceed applicable performance specifications detailed in the appropriate method.

Gas samples were continuously extracted from the stack by a gas sample probe. Samples were then transported to a gas sample conditioner via a heated sample line operating at 250°F or above. The gas sample conditioner lowers the dew point of the sample gas to approximately 5°C through minimum interference heat exchangers. The dry, cool sample is then sent to the gas analyzers, located in the environmentally controlled test trailer for analysis by the reference method 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.

Instrument ranges and calibration gases were chosen in accordance with each pollutant's applicable EPA method. Instrument ranges and calibration gases used are shown in Table 5:

Table 5: Reference Method Calibration Span and Calibration Gases
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1 and Unit 2

Pollutant	Test Location	Calibration Span	Calibration Gases[a]
NO_X	Units 1 and 2	46.22 ppm	0.0 ppm NO 19.63 ppm NO 46.33 ppm NO
O_2	Units 1 and 2	20.48 %	0.0 % O_2 10.03 % O_2 20.77 % O_2

[a] Concentrations of NO, and O_2 are in a balance of purified nitrogen (N_2). All analyzers were zeroed with ultra high purity N_2. All calibration gases have been certified to NIST traceable standards.

Calibration gas Certificates of Analysis can be found in Appendix C.

4.1.1 Sampling Location/Traverse Points/Test Run Duration

Units 1 and 2 exhaust stack inner diameters, at the sample locations, are 11 feet (132"). The emissions sampling location is 25 feet downstream from the nearest flow disturbance, and 25 feet upstream from the stack exhaust. A diagram of the sample location can be viewed in Appendix D.

NO_X and O_2 sample traverse points were located in accordance with 40CFR, Part 60, Appendix A, Section 8.1.3.2 at 0.4 meters, 1.2 meters, and 2.0 meters from the inner wall of the stack. A minimum of nine test runs were completed. Units 1 and 2 compliance and CEMS RATA test runs were conducted simultaneously. Each RATA run was 21 minutes in duration.

4.1.2 Quality Assurance/Quality Control Procedures

All sampling, analytical, and Quality Assurance/Quality Control (QA/QC) procedures outlined in the EPA 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 Table 5. Appendix E contains the QA/QC checks.

4.2 Determination of Visible Emissions

USEPA Method 9 was utilized to determine visible emissions.

Visible emissions observations were performed by a FDEP certified visible emissions reader. Readings were taken at 15 second intervals and reduced into six minute averages as required by the applicable EPA standard. One-sixty minute visible emission run was performed while each source was operating at maximum capacity.

5.0 Test Results

Summaries of the test results for the RATAs and VEs are discussed below. Tables 6 through 11 summarize the results of the RATA tests. Supporting RM field data, fuel analysis reports, and calculated values are presented in Appendix F. CEMS RATA Data is located in Appendix A.

5.1 Unit 1 (EU -001)

5.1.1 Nitrogen Oxides (NO_X)

The relative accuracy of the Unit 1 NO_X lb/mmbtu CEMS, over the nine test runs, was 3.8 %, passing the Part 75 annual performance specification of 7.5%. The NO_X@15% O_2 relative accuracy was 1.8% passing the Part 60 performance specification of 20.0%.

The Unit 1 NO_X-diluent CEMS did not pass the BAF test. A BAF of 1.023 has been assigned to the Unit 1 NO_X CEMS.

5.1.2 Oxygen (O_2)

The O_2 CEMS had a difference of 0.1% from the reference method, over the nine run test period, passing the Part 60 performance specification of ≤1.0%.

5.1.3 Visible Emissions

The highest visible emissions observed in any six-minute average on Unit 1 during the one hour test runs was 0.0%, passing the 10% emission limitation.

5.2 Unit 2 (EU -002)

5.2.1 Nitrogen Oxides (NO_X)

The relative accuracy of the Unit 2 NO_X lb/mmbtu CEMS, over the nine test runs, was 2.3 %, passing the Part 75 annual performance specification of 7.5%. The NO_X@15% O_2 relative accuracy was 2.9 % passing the Part 60 performance specification of 20.0%.

The Unit 2 NO_X-diluent CEMS passed the BAF test. A BAF of 1.000 has been assigned to the Unit 2 NO_X CEMS.

5.2.2 Oxygen (O_2)

The O_2 CEMS had a difference of 0.0% from the reference method, over the nine run test period, passing the Part 60 performance specification of ≤1.0%.

5.2.3 Visible Emissions

The highest visible emissions observed in any six-minute average on Unit 2 during the one hour test runs was 0.0%, passing the 10% emission limitation.

Table 6: Unit 1 NO_X Part 60 RATA Summary
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442

Run Number	Date of Run	Start Time	Stop Time	Unit Load MW	NO_X RM (Dry) ppm@15% O2	NO_X CEM (Dry) ppm@15% O2	Difference ppm@15% O2
Run 1	16-Apr	11:23:00	11:44:00	38	11.0	11.0	0.0
Run 2	16-Apr	11:56:00	12:17:00	38	10.6	10.8	-0.2
Run 3	16-Apr	12:29:00	12:50:00	38	10.2	10.4	-0.2
Run 4	16-Apr	13:02:00	13:23:00	38	10.2	10.4	-0.2
Run 5	16-Apr	13:35:00	13:56:00	38	10.4	10.3	0.1
Run 6	16-Apr	14:07:00	14:28:00	38	10.8	10.6	0.2
Run 7	16-Apr	14:40:00	15:01:00	38	10.7	10.6	0.1
Run 8	16-Apr	15:13:00	15:34:00	38	10.8	10.6	0.3
Run 9	16-Apr	15:48:00	16:09:00	38	10.8	10.5	0.3
		Average:		38	10.6	10.6	0.0 ppm

Standard Deviation:	0.2016
Confidence Coefficient:	0.1550
T-Factor:	2.306
Number of runs Reported:	9
Applicable Standard:	15.0 ppm
Relative Accuracy:	**1.8 %**
Maximum RA	20.0 %
RA Status	**Passed**

Method of RA Determination: Average RM Value

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

Table 7: Unit 1 NO_X Part 75 RATA Summary
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442

Run Number	Date of Run	Start Time	Stop Time	Unit Load MW	NO_X RM lbs/mmBtu	CEM lbs/mmBtu	Difference Like lbs/mmBtu
Run 1	16-Apr	11:23:00	11:44:00	38	0.041	0.040	0.001
Run 2	16-Apr	11:56:00	12:17:00	38	0.039	0.039	0.000
Run 3	16-Apr	12:29:00	12:50:00	38	0.038	0.038	0.000
Run 4	16-Apr	13:02:00	13:23:00	38	0.038	0.038	0.000
Run 5	16-Apr	13:35:00	13:56:00	38	0.038	0.037	0.001
Run 6	16-Apr	14:07:00	14:28:00	38	0.040	0.039	0.001
Run 7	16-Apr	14:40:00	15:01:00	38	0.040	0.039	0.001
Run 8	16-Apr	15:13:00	15:34:00	38	0.040	0.038	0.002
Run 9	16-Apr	15:48:00	16:09:00	38	0.040	0.038	0.002
		Average:		38	0.039	0.038	0.001 lbs/mmBtu

Bias Test (pass/fail): Failed
Bias Adjustment Factor: 1.023
Method of RA Determination: Part 75, Standard Emitter

Standard Deviation:	0.0008
Confidence Coefficient:	0.0006
T-Factor:	2.306
Number of runs Reported:	9
Relative Accuracy:	**3.79**
Maximum RA	10.00
RA Status	**Passed**

Note:
All ppm values are corrected to lbs/mmBtu NO_X using RM O2 and CEM O2 as diluents

Table 8: Unit 1 O_2 RATA Summary
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 1

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442

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	16-Apr	11:23:00	11:44:00	38	15.4	15.3	0.1
Run 2	16-Apr	11:56:00	12:17:00	38	15.3	15.3	0.0
Run 3	16-Apr	12:29:00	12:50:00	38	15.3	15.3	0.0
Run 4	16-Apr	13:02:00	13:23:00	38	15.3	15.3	0.0
Run 5	16-Apr	13:35:00	13:56:00	38	15.4	15.3	0.1
Run 6	16-Apr	14:07:00	14:28:00	38	15.4	15.2	0.2
Run 7	16-Apr	14:40:00	15:01:00	38	15.4	15.2	0.2
Run 8	16-Apr	15:13:00	15:34:00	38	15.4	15.2	0.2
Run 9	16-Apr	15:48:00	16:09:00	38	15.4	15.2	0.2
		Average:		38	15.4 %	15.3 %	0.1 %

Standard Deviation:	0.0642
Confidence Coefficient:	0.0494
T-Factor:	2.306
Number of runs Reported:	9
Relative Accuracy:	**0.1**
Maximum RA	1.0
RA Status	**Passed**

Method of RA Determination: Part 75, 1% Volume Difference

Table 9: Unit 2 NO_X Part 60 RATA Summary
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 2

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442

Run Number	Date of Run	Start Time	Stop Time	Unit Load MW	NO_X RM (Dry) ppm@15% O2	NO_X CEM (Dry) ppm@15% O2	Difference ppm@15% O2
Run 1	16-Apr	11:23:00	11:44:00	37	13.6	14.0	-0.4
Run 2	16-Apr	11:56:00	12:17:00	38	13.3	13.7	-0.4
Run 3	16-Apr	12:29:00	12:50:00	38	13.2	13.6	-0.4
Run 4	16-Apr	13:02:00	13:23:00	38	13.3	13.6	-0.3
Run 5	16-Apr	13:35:00	13:56:00	38	13.2	13.5	-0.3
Run 6	16-Apr	14:07:00	14:28:00	38	13.4	13.6	-0.2
Run 7	16-Apr	14:40:00	15:01:00	38	13.4	13.8	-0.4
Run 8	16-Apr	15:13:00	15:34:00	38	13.4	13.8	-0.4
Run 9	16-Apr	15:48:00	16:09:00	38	13.4	13.7	-0.3
		Average:		38	13.4	13.7	-0.3 ppm

Method of RA Determination: Average RM Value

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

Standard Deviation:	0.0609
Confidence Coefficient:	0.0468
T-Factor:	2.306
Number of runs Reported:	9
Applicable Standard:	15.0 ppm
Relative Accuracy:	**2.9 %**
Maximum RA	20.0 %
RA Status	**Passed**

Table 10: Unit 2 NO_X Part 75 RATA Summary
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 2

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442

Run Number	Date of Run	Start Time	Stop Time	Unit Load MW	NO_X RM lbs/mmBtu	CEM lbs/mmBtu	Difference Like lbs/mmBtu
Run 1	16-Apr	11:23:00	11:44:00	37	0.050	0.051	-0.001
Run 2	16-Apr	11:56:00	12:17:00	38	0.049	0.050	-0.001
Run 3	16-Apr	12:29:00	12:50:00	38	0.049	0.050	-0.001
Run 4	16-Apr	13:02:00	13:23:00	38	0.049	0.050	-0.001
Run 5	16-Apr	13:35:00	13:56:00	38	0.049	0.049	0.000
Run 6	16-Apr	14:07:00	14:28:00	38	0.049	0.050	-0.001
Run 7	16-Apr	14:40:00	15:01:00	38	0.049	0.050	-0.001
Run 8	16-Apr	15:13:00	15:34:00	38	0.049	0.050	-0.001
Run 9	16-Apr	15:48:00	16:09:00	38	0.049	0.050	-0.001
		Average:		38	0.049	0.050	-0.001 lbs/mmBtu

Bias Test (pass/fail): Passed
Bias Adjustment Factor: 1.000
Method of RA Determination: Part 75, Standard Emitter

Standard Deviation:	0.0003
Confidence Coefficient:	0.0003
T-Factor:	2.306
Number of runs Reported:	9
Relative Accuracy:	**2.33**
Maximum RA	10.00
RA Status	**Passed**

Note:
All ppm values are corrected to lbs/mmBtu NO_X using RM O2 and CEM O2 as diluents

Table 11: Unit 2 O_2 RATA Summary
Orange Cogeneration L.P.
Orange Cogeneration Facility
Unit 2

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442

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	16-Apr	11:23:00	11:44:00	37	15.3	15.3	0.0
Run 2	16-Apr	11:56:00	12:17:00	38	15.3	15.3	0.0
Run 3	16-Apr	12:29:00	12:50:00	38	15.3	15.3	0.0
Run 4	16-Apr	13:02:00	13:23:00	38	15.3	15.3	0.0
Run 5	16-Apr	13:35:00	13:56:00	38	15.3	15.3	0.0
Run 6	16-Apr	14:07:00	14:28:00	38	15.3	15.3	0.0
Run 7	16-Apr	14:40:00	15:01:00	38	15.2	15.3	-0.1
Run 8	16-Apr	15:13:00	15:34:00	38	15.2	15.2	0.0
Run 9	16-Apr	15:48:00	16:09:00	38	15.2	15.2	0.0
		Average:		38	15.3 %	15.3 %	0.0 %

Standard Deviation:	0.0260
Confidence Coefficient:	0.0200
T-Factor:	2.306
Number of runs Reported:	9
Relative Accuracy:	**0.0**
Maximum RA	1.0
RA Status	**Passed**

Method of RA Determination: Part 75, 1% Volume Difference

Appendix A: Facility Operating Data

Run 1

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 11:21 AM thru 4/16/2014 11:44 AM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 11:21	11.09	0.0408	15.27	408.5	38.3	14.10	0.0519	15.30	419.4
4/16 11:22	11.03	0.0407	15.27	408.2	38.2	14.17	0.0522	15.29	418.7
4/16 11:23	10.89	0.0401	15.28	407.7	38.1	14.23	0.0524	15.30	419.4
4/16 11:24	10.89	0.0401	15.27	408.5	38.2	14.18	0.0523	15.28	418.4
4/16 11:25	10.97	0.0404	15.27	408.2	38.3	14.24	0.0525	15.29	419.7
4/16 11:26	10.98	0.0405	15.27	408.7	38.3	14.23	0.0524	15.30	419.9
4/16 11:27	11.07	0.0408	15.27	408.7	38.2	14.23	0.0524	15.30	418.7
4/16 11:28	11.00	0.0405	15.28	407.7	38.1	14.17	0.0522	15.32	416.4
4/16 11:29	10.98	0.0405	15.28	407.2	38.2	13.83	0.0509	15.31	417.2
4/16 11:30	11.03	0.0406	15.28	408.0	38.2	13.88	0.0511	15.32	415.4
4/16 11:31	11.03	0.0406	15.28	407.7	38.2	13.85	0.0510	15.33	416.7
4/16 11:32	11.05	0.0407	15.28	407.7	38.2	13.81	0.0509	15.33	417.2
4/16 11:33	11.04	0.0407	15.28	408.2	38.2	13.84	0.0510	15.33	416.2
4/16 11:34	10.98	0.0405	15.28	408.2	38.2	13.88	0.0511	15.34	416.4
4/16 11:35	11.05	0.0407	15.27	408.5	38.2	13.84	0.0510	15.33	417.2
4/16 11:36	11.05	0.0407	15.27	408.0	38.3	13.84	0.0510	15.33	415.2
4/16 11:37	11.01	0.0406	15.27	408.7	38.3	13.82	0.0509	15.33	416.2
4/16 11:38	10.99	0.0405	15.27	407.7	38.2	13.81	0.0509	15.33	416.7
4/16 11:39	10.97	0.0404	15.27	408.7	38.2	13.81	0.0509	15.33	414.9
4/16 11:40	10.98	0.0405	15.27	407.7	38.2	13.78	0.0508	15.33	416.7
4/16 11:41	10.95	0.0403	15.27	407.7	38.3	13.76	0.0507	15.31	415.9
4/16 11:42	10.97	0.0404	15.27	407.2	38.1	13.82	0.0509	15.32	416.2
4/16 11:43	10.91	0.0402	15.27	405.7	38.0	13.77	0.0507	15.31	416.4
4/16 11:44	10.80	0.0398	15.27	405.7	38.1	13.80	0.0508	15.32	415.7

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
Average (all)	10.99	0.0405	15.27	407.9	38.2	13.95	0.0514	15.32	417.1
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.80	0.0398	15.27	405.7	38.0	13.76	0.0507	15.28	414.9
Maximum (all)	11.09	0.0408	15.28	408.7	38.3	14.24	0.0525	15.34	419.9
Average (valid values only)	10.99	0.0405	15.27	407.9	38.2	13.95	0.0514	15.32	417.1
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	24	24	24	24	24	24	24	24	24

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 11:21 AM thru 4/16/2014 11:44 AM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 11:21	38.0
4/16 11:22	38.1
4/16 11:23	38.1
4/16 11:24	38.1
4/16 11:25	38.2
4/16 11:26	38.2
4/16 11:27	38.0
4/16 11:28	37.8
4/16 11:29	37.8
4/16 11:30	37.7
4/16 11:31	37.6
4/16 11:32	37.5
4/16 11:33	37.5
4/16 11:34	37.4
4/16 11:35	37.6
4/16 11:36	37.5
4/16 11:37	37.6
4/16 11:38	37.5
4/16 11:39	37.4
4/16 11:40	37.6
4/16 11:41	37.6
4/16 11:42	37.6
4/16 11:43	37.7
4/16 11:44	37.6

Timestamp	(Turbine - 2) CT Megawatts 1-Min
Average (all)	37.7
Total (all)	–
Minimum (all)	37.4
Maximum (all)	38.2
Average (valid values only)	37.7
Total (valid values only)	–
Count (valid values only)	24

Run 2

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 11:56 AM thru 4/16/2014 12:17 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 11:56	10.86	0.0400	15.27	406.0	38.0	13.74	0.0506	15.31	417.2
4/16 11:57	10.89	0.0401	15.27	405.7	38.0	13.76	0.0507	15.30	415.9
4/16 11:58	10.78	0.0397	15.27	405.7	38.0	13.77	0.0507	15.31	415.2
4/16 11:59	10.83	0.0399	15.27	406.5	38.1	13.70	0.0505	15.32	416.4
4/16 12:00	10.87	0.0400	15.27	407.2	38.2	13.68	0.0504	15.32	416.2
4/16 12:01	10.89	0.0401	15.26	408.0	38.1	13.73	0.0506	15.33	414.7
4/16 12:02	10.92	0.0402	15.26	407.7	38.1	13.68	0.0504	15.32	417.7
4/16 12:03	10.86	0.0400	15.26	407.7	38.1	13.69	0.0504	15.32	416.2
4/16 12:04	10.86	0.0400	15.26	408.5	38.2	13.72	0.0505	15.33	417.0
4/16 12:05	10.90	0.0402	15.26	408.7	38.2	13.64	0.0502	15.32	417.0
4/16 12:06	10.89	0.0401	15.26	408.0	38.1	13.77	0.0507	15.32	416.5
4/16 12:07	10.81	0.0398	15.27	407.7	38.1	13.74	0.0506	15.33	417.0
4/16 12:08	10.83	0.0399	15.27	408.5	38.1	13.67	0.0504	15.32	416.7
4/16 12:09	10.87	0.0400	15.27	408.2	38.1	13.77	0.0507	15.33	416.2
4/16 12:10	10.87	0.0400	15.27	408.5	38.1	13.68	0.0504	15.32	417.0
4/16 12:11	10.84	0.0399	15.27	409.0	38.0	13.76	0.0507	15.32	417.2
4/16 12:12	10.78	0.0397	15.27	407.7	38.0	13.71	0.0505	15.32	416.5
4/16 12:13	10.71	0.0395	15.27	407.5	38.0	13.73	0.0506	15.31	416.7
4/16 12:14	10.70	0.0394	15.27	407.2	38.0	13.69	0.0504	15.31	417.0
4/16 12:15	10.69	0.0394	15.27	405.5	37.9	13.73	0.0506	15.31	415.2
4/16 12:16	10.58	0.0390	15.27	405.2	37.9	13.68	0.0504	15.31	415.9
4/16 12:17	10.62	0.0391	15.27	406.7	37.9	13.65	0.0503	15.30	416.2
Average (all)	10.81	0.0398	15.27	407.3	38.1	13.71	0.0505	15.32	416.4
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.58	0.0390	15.26	405.2	37.9	13.64	0.0502	15.30	414.7
Maximum (all)	10.92	0.0402	15.27	409.0	38.2	13.77	0.0507	15.33	417.7
Average (valid values only)	10.81	0.0398	15.27	407.3	38.1	13.71	0.0505	15.32	416.4
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 11:56 AM thru 4/16/2014 12:17 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 11:56	37.8
4/16 11:57	37.7
4/16 11:58	37.5
4/16 11:59	37.5
4/16 12:00	37.5
4/16 12:01	37.4
4/16 12:02	37.5
4/16 12:03	37.5
4/16 12:04	37.3
4/16 12:05	37.5
4/16 12:06	37.5
4/16 12:07	37.5
4/16 12:08	37.5
4/16 12:09	37.4
4/16 12:10	37.5
4/16 12:11	37.5
4/16 12:12	37.5
4/16 12:13	37.6
4/16 12:14	37.6
4/16 12:15	37.5
4/16 12:16	37.6
4/16 12:17	37.6
Average (all)	37.5
Total (all)	--
Minimum (all)	37.3
Maximum (all)	37.8
Average (valid values only)	37.5
Total (valid values only)	--
Count (valid values only)	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 12:29 PM thru 4/16/2014 12:50 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 12:29	10.48	0.0386	15.27	405.2	37.9	13.63	0.0502	15.31	415.7
4/16 12:30	10.41	0.0384	15.28	404.7	37.8	13.59	0.0501	15.31	415.2
4/16 12:31	10.47	0.0386	15.27	404.7	37.9	13.56	0.0500	15.31	415.7
4/16 12:32	10.51	0.0387	15.27	405.0	38.0	13.63	0.0502	15.31	414.7
4/16 12:33	10.52	0.0388	15.27	405.2	37.9	13.58	0.0500	15.31	415.2
4/16 12:34	10.52	0.0388	15.27	405.2	37.9	13.62	0.0502	15.31	415.7
4/16 12:35	10.53	0.0388	15.26	404.7	37.9	13.63	0.0502	15.31	413.4
4/16 12:36	10.49	0.0386	15.27	406.0	37.8	13.60	0.0501	15.32	416.2
4/16 12:37	10.44	0.0385	15.26	405.7	37.9	13.58	0.0500	15.31	415.7
4/16 12:38	10.48	0.0386	15.26	405.5	37.9	13.63	0.0502	15.31	416.0
4/16 12:39	10.47	0.0386	15.26	405.0	37.8	13.58	0.0500	15.30	417.0
4/16 12:40	10.47	0.0386	15.27	404.5	37.8	13.60	0.0501	15.31	415.0
4/16 12:41	10.46	0.0385	15.27	405.2	37.8	13.55	0.0499	15.30	416.2
4/16 12:42	10.45	0.0385	15.27	405.2	37.8	13.58	0.0500	15.30	415.2
4/16 12:43	10.43	0.0384	15.26	404.2	37.7	13.55	0.0499	15.31	415.7
4/16 12:44	10.36	0.0382	15.27	403.7	37.7	13.58	0.0500	15.30	416.2
4/16 12:45	10.34	0.0381	15.27	403.7	37.7	13.59	0.0501	15.30	415.2
4/16 12:46	10.30	0.0380	15.27	404.0	37.7	13.60	0.0501	15.30	416.5
4/16 12:47	10.32	0.0380	15.27	404.2	37.7	13.57	0.0500	15.29	417.0
4/16 12:48	10.41	0.0383	15.27	403.2	37.7	13.62	0.0502	15.30	414.2
4/16 12:49	10.39	0.0383	15.27	404.0	37.8	13.55	0.0499	15.31	415.7
4/16 12:50	10.47	0.0386	15.27	404.7	37.8	13.58	0.0500	15.31	415.0
Average (all)	10.44	0.0385	15.27	404.7	37.8	13.59	0.0501	15.31	415.6
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.30	0.0380	15.26	403.2	37.7	13.55	0.0499	15.29	413.4
Maximum (all)	10.53	0.0388	15.28	406.0	38.0	13.63	0.0502	15.32	417.0
Average (valid values only)	10.44	0.0385	15.27	404.7	37.8	13.59	0.0501	15.31	415.6
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 12:29 PM thru 4/16/2014 12:50 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 12:29	37.6
4/16 12:30	37.4
4/16 12:31	37.6
4/16 12:32	37.5
4/16 12:33	37.4
4/16 12:34	37.4
4/16 12:35	37.2
4/16 12:36	37.4
4/16 12:37	37.4
4/16 12:38	37.5
4/16 12:39	37.6
4/16 12:40	37.4
4/16 12:41	37.5
4/16 12:42	37.5
4/16 12:43	37.6
4/16 12:44	37.7
4/16 12:45	37.5
4/16 12:46	37.6
4/16 12:47	37.7
4/16 12:48	37.4
4/16 12:49	37.6
4/16 12:50	37.5
Average (all)	37.5
Total (all)	--
Minimum (all)	37.2
Maximum (all)	37.7
Average (valid values only)	37.5
Total (valid values only)	--
Count (valid values only)	22

Run 4

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 1:02 PM thru 4/16/2014 1:23 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 13:02	10.54	0.0388	15.26	405.2	37.9	13.82	0.0509	15.31	415.2
4/16 13:03	10.48	0.0386	15.26	403.5	37.7	13.55	0.0499	15.33	415.7
4/16 13:04	10.40	0.0383	15.27	404.0	37.9	13.96	0.0514	15.30	414.7
4/16 13:05	10.43	0.0384	15.27	403.0	37.8	13.64	0.0503	15.29	415.7
4/16 13:06	10.41	0.0383	15.27	404.2	37.8	13.65	0.0503	15.30	414.2
4/16 13:07	10.44	0.0385	15.27	404.2	37.8	13.62	0.0502	15.31	415.7
4/16 13:08	10.47	0.0386	15.27	403.7	37.8	13.54	0.0499	15.29	414.2
4/16 13:09	10.44	0.0385	15.27	405.0	37.7	13.59	0.0501	15.30	415.7
4/16 13:10	10.43	0.0384	15.27	403.7	37.7	13.56	0.0500	15.30	414.9
4/16 13:11	10.40	0.0383	15.27	404.0	37.8	13.61	0.0501	15.30	414.4
4/16 13:12	10.43	0.0384	15.26	403.5	37.8	13.54	0.0499	15.29	415.4
4/16 13:13	10.43	0.0384	15.26	403.0	37.7	13.55	0.0499	15.29	413.2
4/16 13:14	10.31	0.0380	15.26	403.7	37.7	13.55	0.0499	15.29	415.2
4/16 13:15	10.44	0.0385	15.26	403.7	37.7	13.55	0.0499	15.29	414.4
4/16 13:16	10.41	0.0383	15.26	403.2	37.8	13.55	0.0499	15.30	414.2
4/16 13:17	10.37	0.0382	15.26	403.2	37.7	13.48	0.0497	15.29	415.4
4/16 13:18	10.34	0.0381	15.26	403.5	37.7	13.59	0.0501	15.29	413.9
4/16 13:19	10.30	0.0380	15.26	404.2	37.7	13.55	0.0499	15.29	415.4
4/16 13:20	10.35	0.0381	15.26	403.7	37.7	13.55	0.0499	15.29	413.4
4/16 13:21	10.34	0.0381	15.26	404.0	37.7	13.56	0.0500	15.30	415.2
4/16 13:22	10.24	0.0377	15.26	404.0	37.7	13.58	0.0500	15.29	414.9
4/16 13:23	10.28	0.0379	15.26	404.2	37.7	13.61	0.0501	15.30	413.9
Average (all)	10.39	0.0383	15.26	403.8	37.8	13.60	0.0501	15.30	414.8
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.24	0.0377	15.26	403.0	37.7	13.48	0.0497	15.29	413.2
Maximum (all)	10.54	0.0388	15.27	405.2	37.9	13.96	0.0514	15.33	415.7
Average (valid values only)	10.39	0.0383	15.26	403.8	37.8	13.60	0.0501	15.30	414.8
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 1:02 PM thru 4/16/2014 1:23 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 13:02	37.2
4/16 13:03	37.0
4/16 13:04	37.6
4/16 13:05	37.6
4/16 13:06	37.5
4/16 13:07	37.6
4/16 13:08	37.4
4/16 13:09	37.5
4/16 13:10	37.5
4/16 13:11	37.5
4/16 13:12	37.6
4/16 13:13	37.4
4/16 13:14	37.6
4/16 13:15	37.5
4/16 13:16	37.5
4/16 13:17	37.6
4/16 13:18	37.4
4/16 13:19	37.6
4/16 13:20	37.3
4/16 13:21	37.6
4/16 13:22	37.5
4/16 13:23	37.5
Average (all)	37.5
Total (all)	--
Minimum (all)	37.0
Maximum (all)	37.6
Average (valid values only)	37.5
Total (valid values only)	--
Count (valid values only)	22

Run 3

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 1:35 PM thru 4/16/2014 1:56 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 13:35	10.38	0.0382	15.26	402.2	37.7	13.57	0.0500	15.29	413.4
4/16 13:36	10.24	0.0377	15.27	402.7	37.7	13.54	0.0499	15.29	415.4
4/16 13:37	10.26	0.0378	15.26	404.2	37.6	13.49	0.0497	15.28	414.5
4/16 13:38	10.36	0.0382	15.26	403.7	37.6	13.51	0.0498	15.29	416.2
4/16 13:39	10.25	0.0378	15.26	401.5	37.6	13.46	0.0496	15.28	414.2
4/16 13:40	10.20	0.0376	15.26	402.5	37.6	13.55	0.0499	15.29	414.7
4/16 13:41	10.23	0.0377	15.26	403.0	37.7	13.50	0.0497	15.28	414.9
4/16 13:42	10.34	0.0381	15.26	403.0	37.7	13.51	0.0498	15.28	413.7
4/16 13:43	10.31	0.0380	15.26	402.7	37.6	13.52	0.0498	15.29	414.9
4/16 13:44	10.30	0.0380	15.26	403.2	37.6	13.48	0.0497	15.28	414.9
4/16 13:45	10.31	0.0380	15.26	402.5	37.6	13.51	0.0498	15.29	413.7
4/16 13:46	10.27	0.0378	15.26	403.2	37.7	13.50	0.0497	15.29	415.2
4/16 13:47	10.29	0.0379	15.26	403.0	37.7	13.49	0.0497	15.29	413.7
4/16 13:48	10.33	0.0380	15.26	403.2	37.6	13.50	0.0497	15.29	414.4
4/16 13:49	10.30	0.0380	15.26	402.0	37.6	13.46	0.0496	15.29	414.9
4/16 13:50	10.25	0.0378	15.26	403.0	37.6	13.46	0.0496	15.29	413.7
4/16 13:51	10.35	0.0381	15.25	402.5	37.6	13.43	0.0495	15.28	414.7
4/16 13:52	10.34	0.0381	15.25	401.7	37.5	13.48	0.0497	15.28	413.4
4/16 13:53	10.28	0.0379	15.26	403.0	37.6	13.44	0.0495	15.28	415.2
4/16 13:54	10.33	0.0380	15.25	403.2	37.7	13.48	0.0497	15.28	413.9
4/16 13:55	10.37	0.0382	15.25	402.2	37.6	13.51	0.0498	15.29	413.9
4/16 13:56	10.30	0.0379	15.25	401.7	37.5	13.45	0.0495	15.28	414.2
Average (all)	10.30	0.0379	15.26	402.7	37.6	13.49	0.0497	15.29	414.4
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.20	0.0376	15.25	401.5	37.5	13.43	0.0495	15.28	413.4
Maximum (all)	10.38	0.0382	15.27	404.2	37.7	13.57	0.0500	15.29	416.2
Average (valid values only)	10.30	0.0379	15.26	402.7	37.6	13.49	0.0497	15.29	414.4
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 1:35 PM thru 4/16/2014 1:56 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 13:35	37.5
4/16 13:36	37.6
4/16 13:37	37.4
4/16 13:38	37.6
4/16 13:39	37.6
4/16 13:40	37.5
4/16 13:41	37.6
4/16 13:42	37.5
4/16 13:43	37.6
4/16 13:44	37.6
4/16 13:45	37.5
4/16 13:46	37.6
4/16 13:47	37.4
4/16 13:48	37.5
4/16 13:49	37.4
4/16 13:50	37.4
4/16 13:51	37.6
4/16 13:52	37.4
4/16 13:53	37.6
4/16 13:54	37.5
4/16 13:55	37.6
4/16 13:56	37.6
Average (all)	37.5
Total (all)	--
Minimum (all)	37.4
Maximum (all)	37.6
Average (valid values only)	37.5
Total (valid values only)	--
Count (valid values only)	22

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CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 2:07 PM thru 4/16/2014 2:28 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 14:07	10.68	0.0393	15.23	404.7	37.9	13.39	0.0493	15.27	414.4
4/16 14:08	10.73	0.0395	15.23	404.5	37.9	13.44	0.0495	15.28	412.7
4/16 14:09	10.69	0.0394	15.23	404.0	37.8	13.40	0.0493	15.28	413.9
4/16 14:10	10.63	0.0392	15.24	404.7	37.8	13.40	0.0493	15.28	413.9
4/16 14:11	10.64	0.0392	15.23	404.5	37.8	13.44	0.0495	15.29	413.2
4/16 14:12	10.60	0.0391	15.23	404.0	37.8	13.41	0.0494	15.28	413.9
4/16 14:13	10.57	0.0389	15.23	404.7	37.9	13.42	0.0494	15.28	414.2
4/16 14:14	10.64	0.0392	15.23	405.0	37.9	13.48	0.0497	15.29	413.2
4/16 14:15	10.73	0.0395	15.23	405.7	37.9	13.42	0.0494	15.28	414.7
4/16 14:16	10.75	0.0396	15.24	405.5	37.8	13.46	0.0496	15.28	412.7
4/16 14:17	10.66	0.0393	15.24	405.7	37.9	13.48	0.0497	15.28	417.2
4/16 14:18	10.67	0.0393	15.23	405.2	37.8	13.83	0.0509	15.25	416.7
4/16 14:19	10.60	0.0391	15.24	405.0	37.8	13.86	0.0511	15.26	415.4
4/16 14:20	10.56	0.0389	15.24	405.2	37.8	13.72	0.0506	15.26	416.9
4/16 14:21	10.61	0.0391	15.23	405.2	37.9	13.71	0.0505	15.25	415.2
4/16 14:22	10.67	0.0393	15.23	405.0	37.8	13.76	0.0507	15.26	416.2
4/16 14:23	10.65	0.0392	15.24	404.7	37.8	13.73	0.0506	15.25	416.9
4/16 14:24	10.60	0.0391	15.23	404.7	37.8	13.72	0.0505	15.25	415.9
4/16 14:25	10.67	0.0393	15.23	404.2	37.8	13.82	0.0509	15.26	416.9
4/16 14:26	10.60	0.0391	15.23	404.2	37.7	13.82	0.0509	15.25	417.2
4/16 14:27	10.52	0.0388	15.23	403.7	37.7	13.83	0.0509	15.25	416.2
4/16 14:28	10.50	0.0387	15.23	404.2	37.7	13.84	0.0510	15.26	417.2
Average (all)	10.64	0.0392	15.23	404.7	37.8	13.61	0.0501	15.27	415.2
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.50	0.0387	15.23	403.7	37.7	13.39	0.0493	15.25	412.7
Maximum (all)	10.75	0.0396	15.24	405.7	37.9	13.86	0.0511	15.29	417.2
Average (valid values only)	10.64	0.0392	15.23	404.7	37.8	13.61	0.0501	15.27	415.2
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 2:07 PM thru 4/16/2014 2:28 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 14:07	37.6
4/16 14:08	37.4
4/16 14:09	37.5
4/16 14:10	37.5
4/16 14:11	37.4
4/16 14:12	37.5
4/16 14:13	37.5
4/16 14:14	37.4
4/16 14:15	37.5
4/16 14:16	37.4
4/16 14:17	37.9
4/16 14:18	37.9
4/16 14:19	37.8
4/16 14:20	37.9
4/16 14:21	37.8
4/16 14:22	37.8
4/16 14:23	37.9
4/16 14:24	37.8
4/16 14:25	38.0
4/16 14:26	38.0
4/16 14:27	37.8
4/16 14:28	37.9
Average (all)	37.7
Total (all)	--
Minimum (all)	37.4
Maximum (all)	38.0
Average (valid values only)	37.7
Total (valid values only)	--
Count (valid values only)	22

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CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 2:40 PM thru 4/16/2014 3:01 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 14:40	10.54	0.0388	15.24	403.2	37.8	13.74	0.0506	15.25	417.2
4/16 14:41	10.56	0.0389	15.24	403.7	37.8	13.76	0.0507	15.25	415.9
4/16 14:42	10.57	0.0389	15.24	403.2	37.7	13.77	0.0507	15.25	417.2
4/16 14:43	10.50	0.0387	15.23	404.0	37.8	13.74	0.0506	15.25	416.9
4/16 14:44	10.55	0.0389	15.23	404.2	37.8	13.82	0.0509	15.25	416.4
4/16 14:45	10.71	0.0394	15.23	404.5	37.8	13.79	0.0508	15.26	416.7
4/16 14:46	10.68	0.0393	15.23	404.2	37.8	13.77	0.0507	15.25	417.2
4/16 14:47	10.57	0.0389	15.23	404.2	37.7	13.77	0.0507	15.25	416.2
4/16 14:48	10.61	0.0391	15.23	404.0	37.8	13.76	0.0507	15.26	416.2
4/16 14:49	10.60	0.0391	15.23	403.5	37.7	13.70	0.0505	15.24	416.9
4/16 14:50	10.47	0.0386	15.23	403.5	37.8	13.74	0.0506	15.24	417.2
4/16 14:51	10.55	0.0389	15.23	405.2	37.8	13.77	0.0507	15.25	416.2
4/16 14:52	10.66	0.0393	15.23	404.5	37.8	13.71	0.0505	15.25	417.4
4/16 14:53	10.61	0.0391	15.23	403.5	37.6	13.70	0.0505	15.24	416.9
4/16 14:54	10.49	0.0386	15.24	404.0	37.7	13.77	0.0507	15.25	416.4
4/16 14:55	10.54	0.0388	15.23	403.5	37.7	13.73	0.0506	15.24	417.9
4/16 14:56	10.56	0.0389	15.24	404.0	37.7	13.76	0.0507	15.25	416.2
4/16 14:57	10.52	0.0387	15.24	403.5	37.7	13.79	0.0508	15.25	417.9
4/16 14:58	10.54	0.0388	15.23	404.2	37.8	13.81	0.0509	15.24	417.9
4/16 14:59	10.62	0.0391	15.23	403.7	37.7	13.81	0.0509	15.24	416.2
4/16 15:00	10.67	0.0393	15.23	404.5	37.8	13.75	0.0507	15.25	417.7
4/16 15:01	10.66	0.0393	15.23	404.0	37.8	13.71	0.0505	15.24	416.2
Average (all)	10.58	0.0390	15.23	403.9	37.8	13.76	0.0507	15.25	416.9
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.47	0.0386	15.23	403.2	37.6	13.70	0.0505	15.24	415.9
Maximum (all)	10.71	0.0394	15.24	405.2	37.8	13.82	0.0509	15.26	417.9
Average (valid values only)	10.58	0.0390	15.23	403.9	37.8	13.76	0.0507	15.25	416.9
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 2:40 PM thru 4/16/2014 3:01 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 14:40	37.9
4/16 14:41	37.8
4/16 14:42	38.0
4/16 14:43	38.0
4/16 14:44	37.8
4/16 14:45	37.9
4/16 14:46	37.9
4/16 14:47	37.8
4/16 14:48	37.8
4/16 14:49	37.9
4/16 14:50	37.9
4/16 14:51	37.8
4/16 14:52	37.9
4/16 14:53	37.8
4/16 14:54	37.8
4/16 14:55	37.9
4/16 14:56	37.8
4/16 14:57	37.9
4/16 14:58	37.9
4/16 14:59	37.8
4/16 15:00	38.0
4/16 15:01	37.9
Average (all)	37.9
Total (all)	--
Minimum (all)	37.8
Maximum (all)	38.0
Average (valid values only)	37.9
Total (valid values only)	--
Count (valid values only)	22

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CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 3:13 PM thru 4/16/2014 3:34 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 15:13	10.47	0.0386	15.24	403.7	37.6	13.79	0.0508	15.25	416.4
4/16 15:14	10.47	0.0386	15.24	403.2	37.8	13.73	0.0506	15.24	417.4
4/16 15:15	10.57	0.0389	15.23	403.7	37.8	13.76	0.0507	15.24	415.9
4/16 15:16	10.58	0.0390	15.24	403.7	37.8	13.74	0.0506	15.24	417.4
4/16 15:17	10.56	0.0389	15.23	403.0	37.7	13.73	0.0506	15.24	415.9
4/16 15:18	10.52	0.0388	15.23	402.7	37.7	13.76	0.0507	15.24	416.2
4/16 15:19	10.47	0.0386	15.23	401.7	37.7	13.73	0.0506	15.24	417.2
4/16 15:20	10.46	0.0385	15.24	402.0	37.7	13.74	0.0506	15.24	415.9
4/16 15:21	10.47	0.0386	15.23	402.0	37.7	13.79	0.0508	15.24	416.9
4/16 15:22	10.52	0.0388	15.23	401.7	37.7	13.78	0.0508	15.23	415.7
4/16 15:23	10.54	0.0388	15.23	402.7	37.8	13.79	0.0508	15.24	416.9
4/16 15:24	10.60	0.0391	15.23	403.2	37.7	13.79	0.0508	15.24	416.9
4/16 15:25	10.60	0.0391	15.23	403.0	37.6	13.77	0.0507	15.24	416.2
4/16 15:26	10.46	0.0385	15.23	403.5	37.7	13.83	0.0510	15.24	416.4
4/16 15:27	10.51	0.0387	15.23	403.7	37.8	13.80	0.0508	15.24	417.7
4/16 15:28	10.56	0.0389	15.23	404.2	37.8	13.84	0.0510	15.25	415.9
4/16 15:29	10.60	0.0391	15.23	405.2	37.9	13.74	0.0506	15.24	417.9
4/16 15:30	10.69	0.0394	15.23	404.7	37.9	13.76	0.0507	15.24	415.9
4/16 15:31	10.68	0.0393	15.23	405.5	37.8	13.80	0.0509	15.25	417.2
4/16 15:32	10.66	0.0393	15.23	404.0	37.8	13.74	0.0506	15.24	416.4
4/16 15:33	10.58	0.0390	15.24	404.0	37.7	13.80	0.0509	15.25	415.9
4/16 15:34	10.55	0.0389	15.23	404.2	37.8	13.76	0.0507	15.24	417.7
Average (all)	10.55	0.0389	15.23	403.4	37.8	13.77	0.0507	15.24	416.6
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.46	0.0385	15.23	401.7	37.6	13.73	0.0506	15.23	415.7
Maximum (all)	10.69	0.0394	15.24	405.5	37.9	13.84	0.0510	15.25	417.9
Average (valid values only)	10.55	0.0389	15.23	403.4	37.8	13.77	0.0507	15.24	416.6
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 3:13 PM thru 4/16/2014 3:34 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 15:13	37.8
4/16 15:14	38.0
4/16 15:15	37.8
4/16 15:16	37.9
4/16 15:17	37.8
4/16 15:18	37.8
4/16 15:19	37.9
4/16 15:20	37.8
4/16 15:21	38.0
4/16 15:22	37.8
4/16 15:23	37.9
4/16 15:24	37.9
4/16 15:25	37.8
4/16 15:26	37.9
4/16 15:27	38.0
4/16 15:28	37.8
4/16 15:29	38.0
4/16 15:30	37.8
4/16 15:31	37.9
4/16 15:32	37.8
4/16 15:33	37.8
4/16 15:34	38.0
Average (all)	37.9
Total (all)	--
Minimum (all)	37.8
Maximum (all)	38.0
Average (valid values only)	37.9
Total (valid values only)	--
Count (valid values only)	22

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CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 3:48 PM thru 4/16/2014 4:09 PM

Timestamp	(Turbine - 1) NOx ppm @15% O2 1-Min	(Turbine - 1) 75-NOx lb/mmBtu 1-Min	(Turbine - 1) 75-O2% 1-Min	(Turbine - 1) CT Gas Flow kscf/hr 1-Min	(Turbine - 1) CT Megawatts 1-Min	(Turbine - 2) NOx ppm @15% O2 1-Min	(Turbine - 2) 75-NOx lb/mmBtu 1-Min	(Turbine - 2) 75-O2% 1-Min	(Turbine - 2) CT Gas Flow kscf/hr 1-Min
4/16 15:48	10.55	0.0389	15.23	404.0	37.7	13.71	0.0505	15.25	415.9
4/16 15:49	10.44	0.0385	15.24	403.5	37.7	13.65	0.0503	15.24	416.9
4/16 15:50	10.41	0.0383	15.23	403.7	37.7	13.63	0.0502	15.24	415.4
4/16 15:51	10.50	0.0387	15.23	402.7	37.7	13.70	0.0505	15.24	416.7
4/16 15:52	10.44	0.0385	15.24	403.2	37.7	13.68	0.0504	15.24	416.2
4/16 15:53	10.42	0.0384	15.23	403.2	37.7	13.76	0.0507	15.25	415.9
4/16 15:54	10.52	0.0388	15.23	403.0	37.7	13.73	0.0506	15.24	416.7
4/16 15:55	10.51	0.0387	15.23	403.2	37.7	13.72	0.0505	15.24	415.4
4/16 15:56	10.50	0.0387	15.23	403.2	37.7	13.70	0.0505	15.24	416.7
4/16 15:57	10.54	0.0388	15.23	402.7	37.7	13.70	0.0505	15.24	415.4
4/16 15:58	10.49	0.0386	15.23	403.2	37.7	13.75	0.0507	15.24	416.9
4/16 15:59	10.45	0.0385	15.23	403.7	37.7	13.72	0.0505	15.24	416.4
4/16 16:00	10.51	0.0387	15.22	405.2	37.9	13.75	0.0507	15.25	416.7
4/16 16:01	10.65	0.0392	15.22	405.0	37.8	13.72	0.0505	15.24	417.4
4/16 16:02	10.62	0.0391	15.22	405.0	37.8	13.71	0.0505	15.24	415.9
4/16 16:03	10.60	0.0390	15.22	405.2	37.8	13.74	0.0506	15.24	416.4
4/16 16:04	10.63	0.0391	15.22	404.7	37.6	13.72	0.0505	15.24	416.9
4/16 16:05	10.51	0.0387	15.23	404.5	37.7	13.76	0.0507	15.24	415.7
4/16 16:06	10.45	0.0385	15.22	404.0	37.7	13.73	0.0506	15.24	416.9
4/16 16:07	10.55	0.0389	15.22	403.7	37.7	13.76	0.0507	15.24	416.7
4/16 16:08	10.48	0.0386	15.23	403.0	37.7	13.85	0.0510	15.25	416.7
4/16 16:09	10.52	0.0388	15.23	404.7	37.8	13.77	0.0507	15.24	416.7
Average (all)	10.51	0.0387	15.23	403.8	37.7	13.73	0.0506	15.24	416.4
Total (all)	--	--	--	--	--	--	--	--	--
Minimum (all)	10.41	0.0383	15.22	402.7	37.6	13.63	0.0502	15.24	415.4
Maximum (all)	10.65	0.0392	15.24	405.2	37.9	13.85	0.0510	15.25	417.4
Average (valid values only)	10.51	0.0387	15.23	403.8	37.7	13.73	0.0506	15.24	416.4
Total (valid values only)	--	--	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 4/16/2014 3:48 PM thru 4/16/2014 4:09 PM

Timestamp	(Turbine - 2) CT Megawatts 1-Min
4/16 15:48	37.8
4/16 15:49	37.8
4/16 15:50	37.6
4/16 15:51	37.9
4/16 15:52	37.8
4/16 15:53	37.8
4/16 15:54	37.8
4/16 15:55	37.8
4/16 15:56	37.9
4/16 15:57	37.7
4/16 15:58	37.9
4/16 15:59	37.8
4/16 16:00	37.7
4/16 16:01	37.9
4/16 16:02	37.8
4/16 16:03	37.9
4/16 16:04	37.8
4/16 16:05	37.7
4/16 16:06	37.9
4/16 16:07	37.8
4/16 16:08	37.9
4/16 16:09	37.9
Average (all)	37.8
Total (all)	--
Minimum (all)	37.6
Maximum (all)	37.9
Average (valid values only)	37.8
Total (valid values only)	--
Count (valid values only)	22

Unit 1

Turbine-1 Hourly Emissions & Operations Report

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Minute	O2%	NOx ppm	NOx ppm @	NOx lb/mn	NOx lb/hr	Gas Flow k	Heat Input mmBtu/hr	Megawatts	Ambient Te	Process Sta
Run 1										
11:23	15.28	10.37	10.89	0.04	15.02	407.7	375.4	38.1	64.1	Normal
11:24	15.27	10.39	10.89	0.04	15.05	408.5	376.2	38.2	64.3	Normal
11:25	15.27	10.47	10.97	0.0403	15.15	408.2	375.9	38.3	64.4	Normal
11:26	15.27	10.48	10.98	0.0404	15.2	408.7	376.3	38.3	64.3	Normal
11:27	15.27	10.56	11.07	0.0407	15.32	408.7	376.3	38.2	64.3	Normal
11:28	15.28	10.48	11	0.0404	15.17	407.7	375.4	38.1	64.3	Normal
11:29	15.28	10.46	10.98	0.0404	15.15	407.2	375	38.2	64.3	Normal
11:30	15.28	10.51	11.03	0.0406	15.25	408	375.7	38.2	64.4	Normal
11:31	15.28	10.51	11.03	0.0406	15.24	407.7	375.4	38.2	64.3	Normal
11:32	15.28	10.53	11.05	0.0406	15.24	407.7	375.4	38.2	64.2	Normal
11:33	15.28	10.52	11.04	0.0406	15.26	408.2	375.9	38.2	64.1	Normal
11:34	15.28	10.46	10.98	0.0404	15.19	408.2	375.9	38.2	64.1	Normal
11:35	15.27	10.54	11.05	0.0406	15.27	408.5	376.2	38.2	64.3	Normal
11:36	15.27	10.54	11.05	0.0406	15.25	408	375.7	38.3	64.4	Normal
11:37	15.27	10.51	11.01	0.0405	15.24	408.7	376.3	38.3	64.4	Normal
11:38	15.27	10.49	10.99	0.0404	15.17	407.7	375.4	38.2	64.3	Normal
11:39	15.27	10.47	10.97	0.0403	15.16	408.7	376.2	38.2	64.3	Normal
11:40	15.27	10.48	10.98	0.0404	15.16	407.7	375.3	38.2	64.4	Normal
11:41	15.27	10.45	10.95	0.0403	15.13	407.7	375.3	38.3	64.7	Normal
11:42	15.27	10.47	10.97	0.0403	15.11	407.2	374.8	38.1	64.9	Normal
11:43	15.27	10.41	10.91	0.0401	14.98	405.7	373.5	38	65.2	Normal
11:44	15.27	10.31	10.8	0.0397	14.83	405.7	373.6	38.1	65.4	Normal
Average							375.5		64.4	
Run 2										
11:56	15.27	10.36	10.86	0.0399	14.92	406	373.9	38	66.2	Normal
11:57	15.27	10.39	10.89	0.04	14.94	405.7	373.6	38	66.5	Normal
11:58	15.27	10.29	10.78	0.0396	14.79	405.7	373.6	38	66.3	Normal
11:59	15.27	10.33	10.83	0.0398	14.9	406.5	374.3	38.1	66.1	Normal
12:00	15.27	10.37	10.87	0.0399	14.96	407.2	375	38.2	66.2	Normal
12:01	15.26	10.41	10.89	0.04	15.03	408	375.7	38.1	66.1	Normal
12:02	15.26	10.44	10.92	0.0401	15.05	407.7	375.4	38.1	66.1	Normal
12:03	15.26	10.38	10.86	0.0399	14.98	407.7	375.4	38.1	66.1	Normal
12:04	15.26	10.38	10.86	0.0399	15.01	408.5	376.2	38.2	66.2	Normal
12:05	15.26	10.42	10.9	0.0401	15.09	408.7	376.3	38.2	66.3	Normal
12:06	15.26	10.41	10.89	0.04	15.03	408	375.7	38.1	66.4	Normal
12:07	15.27	10.32	10.81	0.0398	14.94	407.7	375.4	38.1	66.5	Normal
12:08	15.27	10.33	10.83	0.0398	14.97	408.5	376.2	38.1	66.6	Normal
12:09	15.27	10.37	10.87	0.0399	15	408.2	375.9	38.1	66.5	Normal
12:10	15.27	10.37	10.87	0.0399	15.01	408.5	376.2	38.1	66.6	Normal
12:11	15.27	10.34	10.84	0.0398	14.99	409	376.6	38	66.5	Normal
12:12	15.27	10.29	10.78	0.0396	14.87	407.7	375.4	38	66.5	Normal
12:13	15.27	10.22	10.71	0.0394	14.78	407.5	375.2	38	66.8	Normal
12:14	15.27	10.21	10.7	0.0393	14.74	407.2	375	38	67	Normal
12:15	15.27	10.2	10.69	0.0393	14.67	405.5	373.4	37.9	67.1	Normal
12:16	15.27	10.1	10.58	0.0389	14.51	405.2	373.1	37.9	67.2	Normal
12:17	15.27	10.13	10.62	0.039	14.61	406.7	374.5	37.9	67.4	Normal
Average							375.1		66.5	

Run 3

12:29	15.27	10	10.48	0.0385	14.36	405.2	373.1	37.9	68.1	Normal
12:30	15.28	9.92	10.41	0.0383	14.27	404.7	372.7	37.8	68	Normal
12:31	15.27	9.99	10.47	0.0385	14.35	404.7	372.7	37.9	68.1	Normal
12:32	15.27	10.03	10.51	0.0386	14.4	405	372.9	38	68.1	Normal
12:33	15.27	10.04	10.52	0.0387	14.44	405.2	373.1	37.9	68	Normal
12:34	15.27	10.04	10.52	0.0387	14.44	405.2	373	37.9	68	Normal
12:35	15.26	10.07	10.53	0.0387	14.42	404.7	372.5	37.9	68.1	Normal
12:36	15.27	10.01	10.49	0.0386	14.43	406	373.7	37.8	68.1	Normal
12:37	15.26	9.98	10.44	0.0384	14.34	405.7	373.4	37.9	68.2	Normal
12:38	15.26	10.02	10.48	0.0385	14.37	405.5	373.3	37.9	68.2	Normal
12:39	15.26	10.01	10.47	0.0385	14.35	405	372.6	37.8	68.3	Normal
12:40	15.27	9.99	10.47	0.0385	14.33	404.5	372.1	37.8	68.5	Normal
12:41	15.27	9.98	10.46	0.0384	14.31	405.2	372.8	37.8	68.5	Normal
12:42	15.27	9.97	10.45	0.0384	14.31	405.2	372.8	37.8	68.6	Normal
12:43	15.26	9.97	10.43	0.0383	14.24	404.2	371.8	37.7	68.6	Normal
12:44	15.27	9.89	10.36	0.0381	14.16	403.7	371.6	37.7	68.7	Normal
12:45	15.27	9.87	10.34	0.038	14.12	403.7	371.6	37.7	68.7	Normal
12:46	15.27	9.83	10.3	0.0379	14.09	404	371.8	37.7	68.9	Normal
12:47	15.27	9.85	10.32	0.0379	14.1	404.2	372.1	37.7	68.9	Normal
12:48	15.27	9.93	10.41	0.0383	14.22	403.2	371.2	37.7	68.8	Normal
12:49	15.27	9.91	10.39	0.0382	14.21	404	372	37.8	68.8	Normal
12:50	15.27	9.99	10.47	0.0385	14.35	404.7	372.7	37.8	68.8	Normal
Average							372.5		68.4	

Run 4

13:02	15.26	10.08	10.54	0.0388	14.48	405.2	373.1	37.9	69.2	Normal
13:03	15.26	10.02	10.48	0.0385	14.3	403.5	371.6	37.7	69.2	Normal
13:04	15.27	9.92	10.4	0.0382	14.21	404	372	37.9	69.3	Normal
13:05	15.27	9.95	10.43	0.0383	14.21	403	371.1	37.8	69.4	Normal
13:06	15.27	9.93	10.41	0.0383	14.26	404.2	372.2	37.8	69.4	Normal
13:07	15.27	9.96	10.44	0.0384	14.29	404.2	372.2	37.8	69.4	Normal
13:08	15.27	9.99	10.47	0.0385	14.31	403.7	371.7	37.8	69.3	Normal
13:09	15.27	9.96	10.44	0.0384	14.32	405	372.9	37.7	69.4	Normal
13:10	15.27	9.95	10.43	0.0383	14.24	403.7	371.7	37.7	69.3	Normal
13:11	15.27	9.92	10.4	0.0382	14.21	404	372	37.8	69.3	Normal
13:12	15.26	9.97	10.43	0.0383	14.23	403.5	371.6	37.8	69.4	Normal
13:13	15.26	9.97	10.43	0.0383	14.21	403	371.1	37.7	69.4	Normal
13:14	15.26	9.86	10.31	0.0379	14.09	403.7	371.7	37.7	69.4	Normal
13:15	15.26	9.98	10.44	0.0384	14.27	403.7	371.7	37.7	69.6	Normal
13:16	15.26	9.95	10.41	0.0383	14.22	403.2	371.3	37.8	69.6	Normal
13:17	15.26	9.91	10.37	0.0381	14.15	403.2	371.3	37.7	69.7	Normal
13:18	15.26	9.88	10.34	0.038	14.12	403.5	371.6	37.7	70	Normal
13:19	15.26	9.85	10.3	0.0379	14.11	404.2	372.2	37.7	69.9	Normal
13:20	15.26	9.89	10.35	0.038	14.13	403.7	371.7	37.7	70	Normal
13:21	15.26	9.88	10.34	0.038	14.14	404	372	37.7	70	Normal
13:22	15.26	9.79	10.24	0.0376	13.99	404	372	37.7	70	Normal
13:23	15.26	9.83	10.28	0.0378	14.07	404.2	372.2	37.7	70	Normal
Average							371.9		69.6	

Run 5

13:35	15.26	9.92	10.38	0.0381	14.11	402.2	370.3	37.7	70.8 Normal
13:36	15.27	9.77	10.24	0.0376	13.94	402.7	370.6	37.7	70.7 Normal
13:37	15.26	9.81	10.26	0.0377	14.03	404.2	372.1	37.6	70.7 Normal
13:38	15.26	9.9	10.36	0.0381	14.15	403.7	371.4	37.6	70.7 Normal
13:39	15.26	9.8	10.25	0.0377	13.94	401.5	369.6	37.6	70.8 Normal
13:40	15.26	9.75	10.2	0.0375	13.9	402.5	370.6	37.6	70.9 Normal
13:41	15.26	9.78	10.23	0.0376	13.95	403	371.1	37.7	71 Normal
13:42	15.26	9.88	10.34	0.038	14.1	403	371.1	37.7	71 Normal
13:43	15.26	9.86	10.31	0.0379	14.05	402.7	370.8	37.6	71.1 Normal
13:44	15.26	9.85	10.3	0.0379	14.07	403.2	371.3	37.6	70.9 Normal
13:45	15.26	9.86	10.31	0.0379	14.05	402.5	370.6	37.6	70.8 Normal
13:46	15.26	9.82	10.27	0.0378	14.03	403.2	371.3	37.7	70.8 Normal
13:47	15.26	9.84	10.29	0.0378	14.03	403	371.1	37.7	70.8 Normal
13:48	15.26	9.87	10.33	0.038	14.11	403.2	371.3	37.6	70.7 Normal
13:49	15.26	9.85	10.3	0.0379	14.03	402	370.2	37.6	70.8 Normal
13:50	15.26	9.8	10.25	0.0377	13.99	403	371.1	37.6	70.8 Normal
13:51	15.25	9.91	10.35	0.038	14.08	402.5	370.6	37.6	71 Normal
13:52	15.25	9.9	10.34	0.038	14.06	401.7	369.9	37.5	71.1 Normal
13:53	15.26	9.83	10.28	0.0378	14.03	403	371.1	37.6	71.1 Normal
13:54	15.25	9.89	10.33	0.038	14.11	403.2	371.3	37.7	71.1 Normal
13:55	15.25	9.93	10.37	0.0381	14.11	402.2	370.4	37.6	71.2 Normal
13:56	15.25	9.86	10.3	0.0378	13.98	401.7	369.9	37.5	71.1 Normal
Average							370.8		70.9

Run 6

14:07	15.23	10.26	10.68	0.0392	14.61	404.7	372.7	37.9	71.7 Normal
14:08	15.23	10.31	10.73	0.0394	14.68	404.5	372.5	37.9	71.6 Normal
14:09	15.23	10.27	10.69	0.0393	14.62	404	372	37.8	71.6 Normal
14:10	15.24	10.2	10.63	0.0391	14.57	404.7	372.7	37.8	71.8 Normal
14:11	15.23	10.23	10.64	0.0391	14.56	404.5	372.5	37.8	71.8 Normal
14:12	15.23	10.19	10.6	0.039	14.51	404	372	37.8	71.8 Normal
14:13	15.23	10.16	10.57	0.0389	14.5	404.7	372.7	37.9	71.9 Normal
14:14	15.23	10.23	10.64	0.0391	14.58	405	372.9	37.9	72 Normal
14:15	15.23	10.31	10.73	0.0394	14.72	405.7	373.6	37.9	72.2 Normal
14:16	15.24	10.31	10.75	0.0395	14.75	405.5	373.4	37.8	72.2 Normal
14:17	15.24	10.23	10.66	0.0392	14.64	405.7	373.6	37.9	72.4 Normal
14:18	15.23	10.25	10.67	0.0392	14.63	405.2	373.1	37.8	72.6 Normal
14:19	15.24	10.17	10.6	0.039	14.54	405	372.9	37.8	72.5 Normal
14:20	15.24	10.13	10.56	0.0388	14.48	405.2	373.1	37.8	72.3 Normal
14:21	15.23	10.2	10.61	0.039	14.55	405.2	373.1	37.9	72.3 Normal
14:22	15.23	10.25	10.67	0.0392	14.62	405	372.9	37.8	72.4 Normal
14:23	15.24	10.22	10.65	0.0392	14.61	404.7	372.7	37.8	72.4 Normal
14:24	15.23	10.19	10.6	0.039	14.53	404.7	372.7	37.8	72.5 Normal
14:25	15.23	10.25	10.67	0.0392	14.59	404.2	372.2	37.8	72.5 Normal
14:26	15.23	10.19	10.6	0.039	14.52	404.2	372.2	37.7	72.5 Normal
14:27	15.23	10.11	10.52	0.0387	14.39	403.7	371.7	37.7	72.5 Normal
14:28	15.23	10.09	10.5	0.0386	14.37	404.2	372.2	37.7	72.6 Normal
Average							372.7		72.2

Run 7

14:40	15.24	10.11	10.54	0.0387	14.37	403.2	371.3	37.8	72.7 Normal
14:41	15.24	10.13	10.56	0.0388	14.42	403.7	371.7	37.8	72.8 Normal
14:42	15.24	10.14	10.57	0.0389	14.44	403.2	371.3	37.7	72.6 Normal
14:43	15.23	10.09	10.5	0.0386	14.36	404	372	37.8	72.7 Normal
14:44	15.23	10.14	10.55	0.0388	14.44	404.2	372.2	37.8	72.8 Normal
14:45	15.23	10.29	10.71	0.0394	14.68	404.5	372.5	37.8	72.9 Normal
14:46	15.23	10.26	10.68	0.0392	14.59	404.2	372.2	37.8	73.1 Normal
14:47	15.23	10.16	10.57	0.0389	14.48	404.2	372.2	37.7	73.1 Normal
14:48	15.23	10.2	10.61	0.039	14.51	404	372	37.8	73.1 Normal
14:49	15.23	10.19	10.6	0.039	14.49	403.5	371.6	37.7	73.4 Normal
14:50	15.23	10.06	10.47	0.0385	14.3	403.5	371.6	37.8	73.6 Normal
14:51	15.23	10.14	10.55	0.0388	14.48	405.2	373.1	37.8	73.6 Normal
14:52	15.23	10.24	10.66	0.0392	14.6	404.5	372.5	37.8	73.6 Normal
14:53	15.23	10.2	10.61	0.039	14.49	403.5	371.6	37.6	73.6 Normal
14:54	15.24	10.06	10.49	0.0385	14.32	404	372	37.7	73.5 Normal
14:55	15.23	10.13	10.54	0.0387	14.38	403.5	371.6	37.7	73.4 Normal
14:56	15.24	10.13	10.56	0.0388	14.43	404	372	37.7	73.4 Normal
14:57	15.24	10.09	10.52	0.0387	14.38	403.5	371.6	37.7	73.4 Normal
14:58	15.23	10.13	10.54	0.0387	14.4	404.2	372.2	37.8	73.5 Normal
14:59	15.23	10.21	10.62	0.0391	14.53	403.7	371.7	37.7	73.5 Normal
15:00	15.23	10.25	10.67	0.0392	14.6	404.5	372.5	37.8	73.5 Normal
15:01	15.23	10.24	10.66	0.0392	14.58	404	372	37.8	73.5 Normal
Average							372		73.2

Run 8

15:13	15.24	10.04	10.47	0.0385	14.31	403.7	371.7	37.6	73.5 Normal
15:14	15.24	10.04	10.47	0.0385	14.29	403.2	371.3	37.8	73.6 Normal
15:15	15.23	10.16	10.57	0.0389	14.46	403.7	371.7	37.8	73.6 Normal
15:16	15.24	10.15	10.58	0.0389	14.46	403.7	371.7	37.8	73.7 Normal
15:17	15.23	10.15	10.56	0.0388	14.4	403	371.1	37.7	73.6 Normal
15:18	15.23	10.11	10.52	0.0387	14.35	402.7	370.8	37.7	73.8 Normal
15:19	15.23	10.06	10.47	0.0385	14.24	401.7	369.9	37.7	73.7 Normal
15:20	15.24	10.03	10.46	0.0384	14.21	402	370.2	37.7	73.7 Normal
15:21	15.23	10.06	10.47	0.0385	14.25	402	370.2	37.7	73.8 Normal
15:22	15.23	10.11	10.52	0.0387	14.31	401.7	369.9	37.7	74.1 Normal
15:23	15.23	10.13	10.54	0.0387	14.35	402.7	370.8	37.8	74.2 Normal
15:24	15.23	10.19	10.6	0.039	14.48	403.2	371.3	37.7	74.2 Normal
15:25	15.23	10.19	10.6	0.039	14.47	403	371.1	37.6	74 Normal
15:26	15.23	10.05	10.46	0.0384	14.27	403.5	371.6	37.7	73.8 Normal
15:27	15.23	10.1	10.51	0.0386	14.35	403.7	371.7	37.8	73.7 Normal
15:28	15.23	10.15	10.56	0.0388	14.44	404.2	372.2	37.8	73.5 Normal
15:29	15.23	10.19	10.6	0.039	14.55	405.2	373.1	37.9	73.5 Normal
15:30	15.23	10.27	10.69	0.0393	14.65	404.7	372.7	37.9	73.6 Normal
15:31	15.23	10.26	10.68	0.0392	14.64	405.5	373.4	37.8	73.5 Normal
15:32	15.23	10.24	10.66	0.0392	14.58	404	372	37.8	73.7 Normal
15:33	15.24	10.15	10.58	0.0389	14.47	404	372	37.7	73.6 Normal
15:34	15.23	10.14	10.55	0.0388	14.44	404.2	372.2	37.8	73.8 Normal
Average							371.5		73.7

Run 9

15:48	15.23	10.14	10.55	0.0388	14.43	404	372	37.7	74.3	Normal
15:49	15.24	10.02	10.44	0.0384	14.27	403.5	371.6	37.7	74.3	Normal
15:50	15.23	10	10.41	0.0383	14.24	403.7	371.7	37.7	74.3	Normal
15:51	15.23	10.09	10.5	0.0386	14.31	402.7	370.8	37.7	74.3	Normal
15:52	15.24	10.02	10.44	0.0384	14.26	403.2	371.3	37.7	74.3	Normal
15:53	15.23	10.01	10.42	0.0383	14.22	403.2	371.3	37.7	74.5	Normal
15:54	15.23	10.11	10.52	0.0387	14.36	403	371.1	37.7	74.7	Normal
15:55	15.23	10.1	10.51	0.0386	14.33	403.2	371.3	37.7	74.6	Normal
15:56	15.23	10.09	10.5	0.0386	14.33	403.2	371.3	37.7	74.7	Normal
15:57	15.23	10.13	10.54	0.0387	14.35	402.7	370.8	37.7	74.7	Normal
15:58	15.23	10.08	10.49	0.0386	14.33	403.2	371.3	37.7	74.7	Normal
15:59	15.23	10.04	10.45	0.0384	14.27	403.7	371.7	37.7	74.6	Normal
16:00	15.22	10.12	10.51	0.0386	14.4	405.2	373.1	37.9	74.6	Normal
16:01	15.22	10.25	10.65	0.0391	14.58	405	372.9	37.8	74.4	Normal
16:02	15.22	10.22	10.62	0.039	14.54	405	372.9	37.8	74.3	Normal
16:03	15.22	10.2	10.6	0.0389	14.51	405.2	373.1	37.8	74.3	Normal
16:04	15.22	10.23	10.63	0.0391	14.57	404.7	372.7	37.6	74.4	Normal
16:05	15.23	10.1	10.51	0.0386	14.38	404.5	372.5	37.7	74.4	Normal
16:06	15.22	10.06	10.45	0.0384	14.29	404	372	37.7	74.4	Normal
16:07	15.22	10.16	10.55	0.0388	14.42	403.7	371.7	37.7	74.6	Normal
16:08	15.23	10.07	10.48	0.0385	14.29	403	371.1	37.7	74.7	Normal
16:09	15.23	10.11	10.52	0.0387	14.42	404.7	372.7	37.8	74.7	Normal
Average							371.9		74.5	
							372.6		70.4	

Unit 2

Turbine-2 Hourly Emissions & Operations Report

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Minute	O2%	NOx ppm	NOx ppm @	NOx lb/mm	NOx lb/hr	Gas Flow k	Heat Input m	Megawatts	Ambient Te	Process Sta
Run 1										
11:23	15.3	13.51	14.23	0.0523	20.2	419.4	386.2	38.1	64.1	Normal
11:24	15.28	13.51	14.18	0.0521	20.07	418.4	385.3	38.1	64.3	Normal
11:25	15.29	13.54	14.24	0.0523	20.21	419.7	386.5	38.2	64.4	Normal
11:26	15.3	13.51	14.23	0.0523	20.22	419.9	386.7	38.2	64.3	Normal
11:27	15.3	13.51	14.23	0.0523	20.16	418.7	385.5	38	64.3	Normal
11:28	15.32	13.4	14.17	0.0521	19.98	416.4	383.4	37.8	64.3	Normal
11:29	15.31	13.1	13.83	0.0508	19.52	417.2	384.2	37.8	64.3	Normal
11:30	15.32	13.13	13.88	0.051	19.51	415.4	382.5	37.7	64.4	Normal
11:31	15.33	13.08	13.85	0.0509	19.53	416.7	383.7	37.6	64.3	Normal
11:32	15.33	13.04	13.81	0.0508	19.52	417.2	384.2	37.5	64.2	Normal
11:33	15.33	13.07	13.84	0.0509	19.51	416.2	383.2	37.5	64.1	Normal
11:34	15.34	13.08	13.88	0.051	19.55	416.4	383.4	37.4	64.1	Normal
11:35	15.33	13.07	13.84	0.0509	19.55	417.2	384.2	37.6	64.3	Normal
11:36	15.33	13.07	13.84	0.0509	19.46	415.2	382.3	37.5	64.4	Normal
11:37	15.33	13.05	13.82	0.0508	19.47	416.2	383.2	37.6	64.4	Normal
11:38	15.33	13.04	13.81	0.0508	19.49	416.7	383.7	37.5	64.3	Normal
11:39	15.33	13.04	13.81	0.0508	19.4	414.9	381.9	37.4	64.3	Normal
11:40	15.33	13.01	13.78	0.0507	19.45	416.7	383.6	37.6	64.4	Normal
11:41	15.31	13.04	13.76	0.0506	19.37	415.9	382.9	37.6	64.7	Normal
11:42	15.32	13.07	13.82	0.0508	19.46	416.2	383.1	37.6	64.9	Normal
11:43	15.31	13.05	13.77	0.0506	19.4	416.4	383.3	37.7	65.2	Normal
11:44	15.32	13.05	13.8	0.0507	19.41	415.7	382.8	37.6	65.4	Normal
Average							383.9		64.4	
Run 2										
11:56	15.31	13.02	13.74	0.0505	19.4	417.2	384.2	37.8	66.2	Normal
11:57	15.3	13.06	13.76	0.0506	19.38	415.9	383	37.7	66.5	Normal
11:58	15.31	13.05	13.77	0.0506	19.35	415.2	382.3	37.5	66.3	Normal
11:59	15.32	12.96	13.7	0.0504	19.32	416.4	383.4	37.5	66.1	Normal
12:00	15.32	12.94	13.68	0.0503	19.28	416.2	383.2	37.5	66.2	Normal
12:01	15.33	12.96	13.73	0.0505	19.28	414.7	381.9	37.4	66.1	Normal
12:02	15.32	12.94	13.68	0.0503	19.35	417.7	384.6	37.5	66.1	Normal
12:03	15.32	12.95	13.69	0.0503	19.28	416.2	383.2	37.5	66.1	Normal
12:04	15.33	12.95	13.72	0.0504	19.35	417	384	37.3	66.2	Normal
12:05	15.32	12.9	13.64	0.0501	19.24	417	384	37.5	66.3	Normal
12:06	15.32	13.02	13.77	0.0506	19.41	416.5	383.5	37.5	66.4	Normal
12:07	15.33	12.97	13.74	0.0505	19.39	417	384	37.5	66.5	Normal
12:08	15.32	12.93	13.67	0.0503	19.3	416.7	383.7	37.5	66.6	Normal
12:09	15.33	13	13.77	0.0506	19.39	416.2	383.2	37.4	66.5	Normal
12:10	15.32	12.94	13.68	0.0503	19.31	417	384	37.5	66.6	Normal
12:11	15.32	13.01	13.76	0.0506	19.44	417.2	384.2	37.5	66.5	Normal
12:12	15.32	12.97	13.71	0.0504	19.33	416.5	383.5	37.5	66.5	Normal
12:13	15.31	13.01	13.73	0.0505	19.38	416.7	383.7	37.6	66.8	Normal
12:14	15.31	12.97	13.69	0.0503	19.31	417	384	37.6	67	Normal
12:15	15.31	13.01	13.73	0.0505	19.31	415.2	382.3	37.5	67.1	Normal
12:16	15.31	12.96	13.68	0.0503	19.26	415.9	383	37.6	67.2	Normal
12:17	15.3	12.96	13.65	0.0502	19.24	416.2	383.2	37.6	67.4	Normal
Average							383.5		66.5	

Run 3

12:29	15.31	12.91	13.63	0.0501	19.18	415.7	382.8	37.6	68.1	Normal
12:30	15.31	12.88	13.59	0.05	19.12	415.2	382.3	37.4	68	Normal
12:31	15.31	12.85	13.56	0.0499	19.1	415.7	382.8	37.6	68.1	Normal
12:32	15.31	12.91	13.63	0.0501	19.13	414.7	381.9	37.5	68.1	Normal
12:33	15.31	12.87	13.58	0.0499	19.08	415.2	382.3	37.4	68	Normal
12:34	15.31	12.9	13.62	0.05	19.14	415.7	382.7	37.4	68	Normal
12:35	15.31	12.91	13.63	0.0501	19.07	413.4	380.6	37.2	68.1	Normal
12:36	15.32	12.86	13.6	0.05	19.16	416.2	383.1	37.4	68.1	Normal
12:37	15.31	12.87	13.58	0.0499	19.09	415.7	382.6	37.4	68.2	Normal
12:38	15.31	12.91	13.63	0.0501	19.19	416	382.9	37.5	68.2	Normal
12:39	15.3	12.89	13.58	0.0499	19.15	417	383.7	37.6	68.3	Normal
12:40	15.31	12.89	13.6	0.05	19.09	415	381.8	37.4	68.5	Normal
12:41	15.3	12.86	13.55	0.0498	19.07	416.2	382.9	37.5	68.5	Normal
12:42	15.3	12.89	13.58	0.0499	19.06	415.2	382	37.5	68.6	Normal
12:43	15.31	12.84	13.55	0.0498	19.04	415.7	382.4	37.6	68.6	Normal
12:44	15.3	12.89	13.58	0.0499	19.11	416.2	383.1	37.7	68.7	Normal
12:45	15.3	12.9	13.59	0.05	19.11	415.2	382.2	37.5	68.7	Normal
12:46	15.3	12.91	13.6	0.05	19.17	416.5	383.3	37.6	68.9	Normal
12:47	15.29	12.9	13.57	0.0499	19.16	417	383.9	37.7	68.9	Normal
12:48	15.3	12.93	13.62	0.0501	19.1	414.2	381.3	37.4	68.8	Normal
12:49	15.31	12.84	13.55	0.0498	19.06	415.7	382.8	37.6	68.8	Normal
12:50	15.31	12.87	13.58	0.0499	19.07	415	382.1	37.5	68.8	Normal
Average							382.5		68.4	

Run 4

13:02	15.31	13.09	13.82	0.0508	19.42	415.2	382.3	37.2	69.2	Normal
13:03	15.33	12.79	13.55	0.0498	19.06	415.7	382.8	37	69.2	Normal
13:04	15.3	13.25	13.96	0.0513	19.59	414.7	381.9	37.6	69.3	Normal
13:05	15.29	12.97	13.64	0.0501	19.18	415.7	382.8	37.6	69.4	Normal
13:06	15.3	12.96	13.65	0.0502	19.15	414.2	381.4	37.5	69.4	Normal
13:07	15.31	12.9	13.62	0.05	19.14	415.7	382.8	37.6	69.4	Normal
13:08	15.29	12.87	13.54	0.0498	18.99	414.2	381.4	37.4	69.3	Normal
13:09	15.3	12.9	13.59	0.05	19.14	415.7	382.8	37.5	69.4	Normal
13:10	15.3	12.87	13.56	0.0498	19.03	414.9	382	37.5	69.3	Normal
13:11	15.3	12.92	13.61	0.05	19.08	414.4	381.6	37.5	69.3	Normal
13:12	15.29	12.87	13.54	0.0498	19.05	415.4	382.5	37.6	69.4	Normal
13:13	15.29	12.88	13.55	0.0498	18.95	413.2	380.5	37.4	69.4	Normal
13:14	15.29	12.88	13.55	0.0498	19.04	415.2	382.3	37.6	69.4	Normal
13:15	15.29	12.88	13.55	0.0498	19	414.4	381.6	37.5	69.6	Normal
13:16	15.3	12.86	13.55	0.0498	18.99	414.2	381.4	37.5	69.6	Normal
13:17	15.29	12.82	13.48	0.0496	18.97	415.4	382.5	37.6	69.7	Normal
13:18	15.29	12.92	13.59	0.0499	19.02	413.9	381.1	37.4	70	Normal
13:19	15.29	12.88	13.55	0.0498	19.05	415.4	382.5	37.6	69.9	Normal
13:20	15.29	12.88	13.55	0.0498	18.96	413.4	380.7	37.3	70	Normal
13:21	15.3	12.87	13.56	0.0498	19.04	415.2	382.3	37.6	70	Normal
13:22	15.29	12.91	13.58	0.0499	19.06	414.9	382	37.5	70	Normal
13:23	15.3	12.92	13.61	0.05	19.06	413.9	381.1	37.5	70	Normal
Average							381.9		69.6	

Run 5

13:35	15.29	12.9	13.57	0.0499	18.99	413.4	380.6	37.5	70.8 Normal
13:36	15.29	12.87	13.54	0.0498	19.04	415.4	382.3	37.6	70.7 Normal
13:37	15.28	12.85	13.49	0.0496	18.93	414.5	381.6	37.4	70.7 Normal
13:38	15.29	12.85	13.51	0.0497	19.03	416.2	382.9	37.6	70.7 Normal
13:39	15.28	12.82	13.46	0.0495	18.88	414.2	381.3	37.6	70.8 Normal
13:40	15.29	12.88	13.55	0.0498	19.02	414.7	381.9	37.5	70.9 Normal
13:41	15.28	12.86	13.5	0.0496	18.95	414.9	382	37.6	71 Normal
13:42	15.28	12.87	13.51	0.0497	18.93	413.7	380.9	37.5	71 Normal
13:43	15.29	12.86	13.52	0.0497	18.99	414.9	382	37.6	71.1 Normal
13:44	15.28	12.84	13.48	0.0496	18.95	414.9	382	37.6	70.9 Normal
13:45	15.29	12.85	13.51	0.0497	18.93	413.7	380.9	37.5	70.8 Normal
13:46	15.29	12.84	13.5	0.0496	18.96	415.2	382.3	37.6	70.8 Normal
13:47	15.29	12.83	13.49	0.0496	18.89	413.7	380.9	37.4	70.8 Normal
13:48	15.29	12.84	13.5	0.0496	18.93	414.4	381.6	37.5	70.7 Normal
13:49	15.29	12.8	13.46	0.0495	18.91	414.9	382	37.4	70.8 Normal
13:50	15.29	12.8	13.46	0.0495	18.86	413.7	380.9	37.4	70.8 Normal
13:51	15.28	12.79	13.43	0.0494	18.86	414.7	381.9	37.6	71 Normal
13:52	15.28	12.84	13.48	0.0496	18.88	413.4	380.7	37.4	71.1 Normal
13:53	15.28	12.8	13.44	0.0494	18.89	415.2	382.3	37.6	71.1 Normal
13:54	15.28	12.84	13.48	0.0496	18.9	413.9	381.1	37.5	71.1 Normal
13:55	15.29	12.85	13.51	0.0497	18.94	413.9	381.1	37.6	71.2 Normal
13:56	15.28	12.81	13.45	0.0494	18.84	414.2	381.4	37.6	71.1 Normal
Average							381.6		70.9

Run 6

14:07	15.27	12.78	13.39	0.0492	18.77	414.4	381.6	37.6	71.7 Normal
14:08	15.28	12.8	13.44	0.0494	18.77	412.7	380	37.4	71.6 Normal
14:09	15.28	12.76	13.4	0.0492	18.75	413.9	381.1	37.5	71.6 Normal
14:10	15.28	12.76	13.4	0.0492	18.75	413.9	381.1	37.5	71.8 Normal
14:11	15.29	12.78	13.44	0.0494	18.8	413.2	380.5	37.4	71.8 Normal
14:12	15.28	12.77	13.41	0.0493	18.79	413.9	381.1	37.5	71.8 Normal
14:13	15.28	12.78	13.42	0.0493	18.8	414.2	381.4	37.5	71.9 Normal
14:14	15.29	12.82	13.48	0.0496	18.87	413.2	380.5	37.4	72 Normal
14:15	15.28	12.78	13.42	0.0493	18.83	414.7	381.9	37.5	72.2 Normal
14:16	15.28	12.82	13.46	0.0495	18.81	412.7	380	37.4	72.2 Normal
14:17	15.28	12.84	13.48	0.0496	19.05	417.2	384.2	37.9	72.4 Normal
14:18	15.25	13.24	13.83	0.0508	19.49	416.7	383.7	37.9	72.6 Normal
14:19	15.26	13.25	13.86	0.051	19.51	415.4	382.5	37.8	72.5 Normal
14:20	15.26	13.12	13.72	0.0505	19.39	416.9	383.9	37.9	72.3 Normal
14:21	15.25	13.13	13.71	0.0504	19.27	415.2	382.3	37.8	72.3 Normal
14:22	15.26	13.15	13.76	0.0506	19.39	416.2	383.2	37.8	72.4 Normal
14:23	15.25	13.15	13.73	0.0505	19.39	416.9	383.9	37.9	72.4 Normal
14:24	15.25	13.14	13.72	0.0504	19.3	415.9	383	37.8	72.5 Normal
14:25	15.26	13.21	13.82	0.0508	19.5	416.9	383.9	38	72.5 Normal
14:26	15.25	13.23	13.82	0.0508	19.52	417.2	384.2	38	72.5 Normal
14:27	15.25	13.24	13.83	0.0508	19.47	416.2	383.2	37.8	72.5 Normal
14:28	15.26	13.23	13.84	0.0509	19.55	417.2	384.2	37.9	72.6 Normal
Average							382.3		72.2

Run 7

14:40	15.25	13.16	13.74	0.0505	19.4	417.2	384.2	37.9	72.7 Normal
14:41	15.25	13.18	13.76	0.0506	19.38	415.9	383	37.8	72.8 Normal
14:42	15.25	13.19	13.77	0.0506	19.44	417.2	384.2	38	72.6 Normal
14:43	15.25	13.16	13.74	0.0505	19.39	416.9	383.9	38	72.7 Normal
14:44	15.25	13.23	13.82	0.0508	19.48	416.4	383.4	37.8	72.8 Normal
14:45	15.26	13.18	13.79	0.0507	19.45	416.7	383.7	37.9	72.9 Normal
14:46	15.25	13.19	13.77	0.0506	19.44	417.2	384.2	37.9	73.1 Normal
14:47	15.25	13.19	13.77	0.0506	19.39	416.2	383.2	37.8	73.1 Normal
14:48	15.26	13.15	13.76	0.0506	19.39	416.2	383.2	37.8	73.1 Normal
14:49	15.24	13.14	13.7	0.0504	19.35	416.9	383.9	37.9	73.4 Normal
14:50	15.24	13.18	13.74	0.0505	19.4	417.2	384.2	37.9	73.6 Normal
14:51	15.25	13.19	13.77	0.0506	19.39	416.2	383.2	37.8	73.6 Normal
14:52	15.25	13.13	13.71	0.0504	19.37	417.4	384.4	37.9	73.6 Normal
14:53	15.24	13.14	13.7	0.0504	19.35	416.9	383.9	37.8	73.6 Normal
14:54	15.25	13.19	13.77	0.0506	19.4	416.4	383.4	37.8	73.5 Normal
14:55	15.24	13.17	13.73	0.0505	19.43	417.9	384.8	37.9	73.4 Normal
14:56	15.25	13.18	13.76	0.0506	19.39	416.2	383.2	37.8	73.4 Normal
14:57	15.25	13.21	13.79	0.0507	19.51	417.9	384.8	37.9	73.4 Normal
14:58	15.24	13.25	13.81	0.0508	19.55	417.9	384.8	37.9	73.5 Normal
14:59	15.24	13.25	13.81	0.0508	19.47	416.2	383.2	37.8	73.5 Normal
15:00	15.25	13.17	13.75	0.0506	19.46	417.7	384.6	38	73.5 Normal
15:01	15.24	13.15	13.71	0.0504	19.32	416.2	383.2	37.9	73.5 Normal
Average							383.8		73.2

Run 8

15:13	15.25	13.21	13.79	0.0507	19.44	416.4	383.4	37.8	73.5 Normal
15:14	15.24	13.17	13.73	0.0505	19.41	417.4	384.4	38	73.6 Normal
15:15	15.24	13.2	13.76	0.0506	19.38	415.9	383	37.8	73.6 Normal
15:16	15.24	13.18	13.74	0.0505	19.41	417.4	384.4	37.9	73.7 Normal
15:17	15.24	13.17	13.73	0.0505	19.34	415.9	383	37.8	73.6 Normal
15:18	15.24	13.2	13.76	0.0506	19.39	416.2	383.2	37.8	73.8 Normal
15:19	15.24	13.17	13.73	0.0505	19.4	417.2	384.2	37.9	73.7 Normal
15:20	15.24	13.18	13.74	0.0505	19.34	415.9	383	37.8	73.7 Normal
15:21	15.24	13.23	13.79	0.0507	19.46	416.9	383.9	38	73.8 Normal
15:22	15.23	13.24	13.78	0.0506	19.37	415.7	382.8	37.8	74.1 Normal
15:23	15.24	13.23	13.79	0.0507	19.46	416.9	383.9	37.9	74.2 Normal
15:24	15.24	13.23	13.79	0.0507	19.46	416.9	383.9	37.9	74.2 Normal
15:25	15.24	13.21	13.77	0.0506	19.39	416.2	383.2	37.8	74 Normal
15:26	15.24	13.27	13.83	0.0508	19.48	416.4	383.4	37.9	73.8 Normal
15:27	15.24	13.24	13.8	0.0507	19.5	417.7	384.6	38	73.7 Normal
15:28	15.25	13.25	13.84	0.0509	19.49	415.9	383	37.8	73.5 Normal
15:29	15.24	13.18	13.74	0.0505	19.43	417.9	384.8	38	73.5 Normal
15:30	15.24	13.2	13.76	0.0506	19.38	415.9	383	37.8	73.6 Normal
15:31	15.25	13.22	13.8	0.0507	19.48	417.2	384.2	37.9	73.5 Normal
15:32	15.24	13.18	13.74	0.0505	19.36	416.4	383.4	37.8	73.7 Normal
15:33	15.25	13.22	13.8	0.0507	19.42	415.9	383	37.8	73.6 Normal
15:34	15.24	13.2	13.76	0.0506	19.46	417.7	384.6	38	73.8 Normal
Average							383.7		73.7

Run 9

15:48	15.25	13.13	13.71	0.0504	19.3	415.9	383	37.8	74.3	Normal
15:49	15.24	13.09	13.65	0.0502	19.27	416.9	383.9	37.8	74.3	Normal
15:50	15.24	13.08	13.63	0.0501	19.16	415.4	382.5	37.6	74.3	Normal
15:51	15.24	13.14	13.7	0.0504	19.34	416.7	383.7	37.9	74.3	Normal
15:52	15.24	13.12	13.68	0.0503	19.28	416.2	383.2	37.8	74.3	Normal
15:53	15.25	13.18	13.76	0.0506	19.38	415.9	383	37.8	74.5	Normal
15:54	15.24	13.17	13.73	0.0505	19.38	416.7	383.7	37.8	74.7	Normal
15:55	15.24	13.16	13.72	0.0504	19.28	415.4	382.5	37.8	74.6	Normal
15:56	15.24	13.14	13.7	0.0504	19.34	416.7	383.7	37.9	74.7	Normal
15:57	15.24	13.14	13.7	0.0504	19.28	415.4	382.5	37.7	74.7	Normal
15:58	15.24	13.19	13.75	0.0505	19.39	416.9	383.9	37.9	74.7	Normal
15:59	15.24	13.16	13.72	0.0504	19.32	416.4	383.4	37.8	74.6	Normal
16:00	15.25	13.17	13.75	0.0506	19.42	416.7	383.7	37.7	74.6	Normal
16:01	15.24	13.16	13.72	0.0504	19.37	417.4	384.4	37.9	74.4	Normal
16:02	15.24	13.15	13.71	0.0504	19.3	415.9	383	37.8	74.3	Normal
16:03	15.24	13.18	13.74	0.0505	19.36	416.4	383.4	37.9	74.3	Normal
16:04	15.24	13.16	13.72	0.0504	19.35	416.9	383.9	37.8	74.4	Normal
16:05	15.24	13.2	13.76	0.0506	19.37	415.7	382.8	37.7	74.4	Normal
16:06	15.24	13.17	13.73	0.0505	19.39	416.9	383.9	37.9	74.4	Normal
16:07	15.24	13.2	13.76	0.0506	19.42	416.7	383.7	37.8	74.6	Normal
16:08	15.25	13.26	13.85	0.0509	19.53	416.7	383.7	37.9	74.7	Normal
16:09	15.24	13.21	13.77	0.0506	19.42	416.7	383.7	37.9	74.7	Normal
Average							383.4		74.5	
							383		70.4	

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:

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

Where:

$\left|\overline{d}\right|$ = 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, $|\bar{d}|$, is less than or equal to the absolute value of the confidence coefficient, $|CC|$, 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:

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

Where:

BAF = Bias adjustment factor, rounded to the nearest thousandth

$|\bar{d}|$ = 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 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	1.660×10^{-7}
ppm NO_X	lb/scf	1.194×10^{-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	1.602×10^{13}

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

Appendix C: Reference Method Calibration Gas Certificates of Analysis

Airgas

CERTIFICATE OF BATCH ANALYSIS

NITROGEN - CEM-CAL ZERO

Airgas USA, LLC
1620 Tampa East Blvd
Tampa, FL 33619
Office: (813) 626-2905 Fax: (813) 620-0150
www.airgas.com

Part Number:	NI CZ15A	Reference Number:	21-400103956-1
Cylinder Analyzed:	CC320187	Cylinder Volume:	142 Cubic Feet
Laboratory:	ASO - Tampa Plant - FL	Cylinder Pressure:	2000 PSIG
Analysis Date:	Oct 11, 2012	Valve Outlet:	580
Lot #:	21-400103956-1		

Expiration Date: Oct 11, 2017

ANALYTICAL RESULTS

Component	Requested Purity	Certified Concentration
NitrogenCEM	99.9995%	99.9995%
CARBON DIOXIDE	< 1.0 PPM	0.08 PPM
Moisture	< 1.0 PPM	0.20 PPM
NOx	< 0.1 PPM	<LDL 0.01 PPM
SO2	< 0.1 PPM	<LDL 0.01 PPM
THC	< 0.1 PPM	0.04 PPM
CARBON MONOXIDE	< 0.5 PPM	0.08 PPM
Oxygen	< 0.5 PPM	0.46 PPM

Cylinders in Batch:

CC-318890, CC149514, CC183268, CC185658, CC191008, CC232975, CC273626, CC278130, CC288541, CC288593, CC307957, CC307958, CC307964, CC308218, CC318738, CC318830, CC318831, CC318839, CC319238, CC320187, CC75029, CC7594, CC83162, CC96424, SG9102217BAL

Permanent Notes:

Airgas certifies that the contents of this cylinder meet the requirements of 40 CFR 72.2

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

Approved for Release

Airgas

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E02AI99E15A1704	Reference Number:	122-124314740-1
Cylinder Number:	CC17908	Cylinder Volume:	146.2 Cubic Feet
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22012	Valve Outlet:	660
Gas Code:	NO2	Analysis Date:	May 09, 2012

Expiration Date: May 09, 2015

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
NITROGEN DIOXIDE	50.00 PPM	48.58 PPM	G1	+/- 2%
AIR	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
GMIS	GMIS	CC343811	61.25 PPM NITROGEN DIOXIDE/NITROGEN	Dec 28, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
TECO 42CHL NOX (1-5000ppm)	Chemiluminescence	Apr 30, 2012

Triad Data Available Upon Request

Notes:

Signature on file

Approved for Release

Airgas

Airgas Specialty Gases
630 United Drive
Durham, NC 27713
(919)544-3773 Fax: (919)544-3774
www.airgas.com

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E03NI80E15A2872	Reference Number:	122-124362958-6
Cylinder Number:	CC426888	Cylinder Volume:	150.6 CF
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22013	Valve Outlet:	590
Gas Code:	CO2,O2	Certification Date:	Mar 04, 2013

Expiration Date: Mar 04, 2021

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
CARBON DIOXIDE	9.500 %	9.624 %	G1	+/- 0.5% NIST Traceable	03/04/2013
OXYGEN	10.00 %	10.03 %	G1	+/- 0.6% NIST Traceable	03/04/2013
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
090606	09060610	CC262103	9.921 % CARBON DIOXIDE/NITROGEN	+/- 0.5%	Apr 10, 2013
NTRM	8265818	SG9163064BAL	9.507 % OXYGEN/NITROGEN	+/- 0.6%	Dec 01, 2015

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Horiba VIA510 CO2 42399380022	Nondispersive Infrared (NDIR)	Feb 09, 2013
Horiba MPA510 O2 41499150042	Paramagnetic	Feb 09, 2013

Triad Data Available Upon Request

Notes:

CJ Williams

Approved for Release

Airgas

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Airgas Specialty Products
Airgas Specialty Gasses
630 United Drive
Durham, NC 27713
(919)544-3773 Fax: (919)544-3774
www.airgas.com

Part Number:	E03NI60E15A03W3	Reference Number:	122-124338878-1
Cylinder Number:	CC418821	Cylinder Volume:	159 Cu.Ft.
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22012	Valve Outlet:	590
Gas Code:	OC2	Analysis Date:	Oct 05, 2012

Expiration Date: Oct 05, 2020

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
CARBON DIOXIDE	19.00 %	19.69 %	G1	+/- 1% NIST Traceable
OXYGEN	20.50 %	20.77 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	090614	CC273522	22.53% OXYGEN/NITROGEN	Aug 01, 2013
NTRM	120615	CC354889	19.87% CARBON DIOXIDE/NITROGEN	Jan 27, 2018

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Horiba VIA510 CO2 J007MEB	Nondispersive Infrared (NDIR)	Sep 28, 2012
Horiba MPA510 O2 41499150042	Paramagnetic	Sep 21, 2012

Triad Data Available Upon Request

Notes:

Approved for Release

Airgas

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Airgas Specialty Gases
630 United Drive
Durham, NC 27713
919-544-3773 Fax: 919-544-3774
www.airgas.com

Part Number:	E02NI99E15AC1E5	Reference Number:	122-124324295-1
Cylinder Number:	CC410976	Cylinder Volume:	144 Cu.Ft.
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22012	Valve Outlet:	660
Gas Code:	NO	Analysis Date:	Jul 13, 2012

Expiration Date: Jul 13, 2014

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. 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 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
NOX	19.50 PPM	19.63 PPM	G1	+/- 1% NIST Traceable
NITRIC OXIDE	19.50 PPM	19.63 PPM	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	100603	CC281073	20.34PPM NITRIC OXIDE/NITROGEN	Feb 01, 2013
NTRM	100603	CC281073 NOX	20.34PPM NOX/NITROGEN	Feb 01, 2013

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
TECO NO 42C-71463-368	Chemiluminescence	Jun 14, 2012
TECO NOX 42C-71463-368	Chemiluminescence	Jun 14, 2012

Triad Data Available Upon Request

Notes:

Approved for Release

Airgas

Airgas Specialty Gases
630 United Drive
Durham, NC 27713
919-544-3773 Fax: 919-544-3774
www.airgas.com

CERTIFICATE OF ANALYSIS
Grade of Product: EPA Protocol

Part Number:	E02NI99E15A2396	Reference Number:	122-124295226-1
Cylinder Number:	CC365573	Cylinder Volume:	144 Cu.Ft.
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22011	Valve Outlet:	660
		Analysis Date:	Dec 27, 2011

Expiration Date: Dec 27, 2013

Certification performed in accordance with "EPA Traceability Protocol (Sept. 1997)" using the assay procedures listed. Analytical Methodology does not require correction for analytical interferences. 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 150 psig.i.e. 1 Mega Pascal

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty
NITRIC OXIDE	46.00 PPM	46.33 PPM	G1	+/- 1% NIST Traceable
NITROGEN	Balance			
Total oxides of nitrogen		46.36 PPM		For Reference Only

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	100611	CC283862	49.73PPM NITRIC OXIDE/NITROGEN	Jul 23, 2016

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AHR0801333 NO	FTIR	Dec 06, 2011

Triad Data Available Upon Request

Notes:

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:	Northstar	**Date:**	02/25/2010
Facility:	Orange Cogen	**Project:**	3991
Unit Number:	Units 1 and 2	**Operator:**	C. Horton
Sample Location:	Stack		

Stack Measurements

Shape of Stack:	Circular		**Stack Diameter:**	132.00	Inches
# of Test Ports:	4		**Stack Area:**	94.985	ft^2
Port Depth:	7	Inches			

Distance from Test Ports to Disturbances

Distance Upstream:	300.00	Inches (A)	**Distance Downstream:**	300.00	Inches (B)
Diameters Upstream:	2.27	(A_D)	**Diameters Downstream:**	2.27	(B_D)

Minimum # of Velocity Traverse Points		
From Upstream:	12	
From Downstream:	16	
12-24in Diameter?	False	
Points to be used:	16	0

Minimum # of Particulate Traverse Points		
From Upstream:	12	
From Downstream:	24	
12-24in Diameter?	False	
Points to be used:	24	

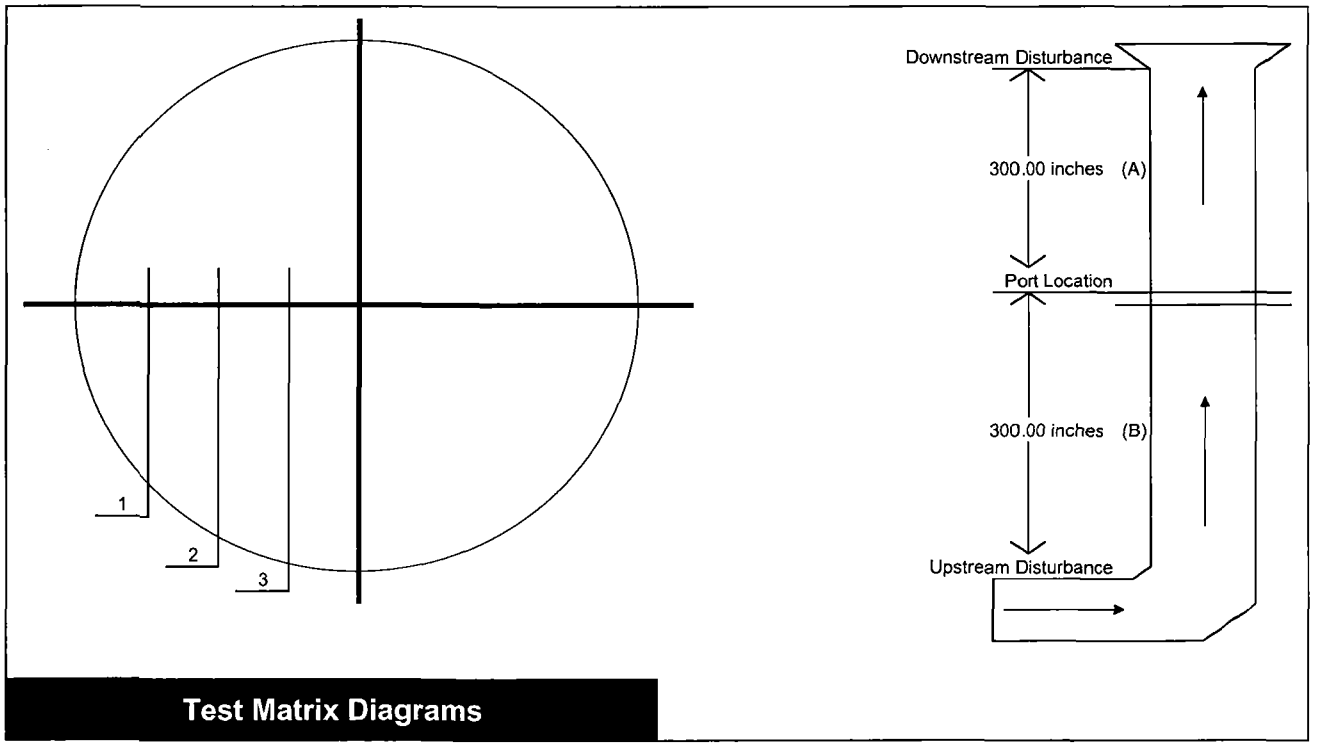
C.E.M. Solutions, INC.

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	22.25
2	1.2 Meters	47.24	53.74
3	2.0 Meters	78.74	85.24



Test Matrix Diagrams

Appendix E: Reference Method Quality Assurance/Quality Control Checks

Calibration Error Tests
Bias and Drift Tests
NO2 to NO Converter Efficiency Test
Instrument Analyzer Response Time Tests

Unit 1

Calibration Error Tests
Bias and Drift Tests

Analyzer Calibration Error

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 1

Oxygen Monitor

Method 3A

Full Scale: 25.00 %

Serial Number: 01420D/3379

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC318830/cg1	0.00 %	-0.02 %	-0.02 %	-0.10 %
CC426888/cg2	10.03 %	10.01 %	-0.02 %	-0.10 %
CC418821/cg3	20.77 %	20.81 %	0.04 %	0.19 %

Nitrogen Oxides Monitor

Method 7E

Full Scale: 50.0 ppm

Serial Number: 1200951382

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC318830/cg1	0.0 ppm	0.0 ppm	0.0 ppm	0.00 %
CC410976/cg4	19.63 ppm	19.2 ppm	-0.4 ppm	-0.93 %
CC365573/cg6	46.33 ppm	46.7 ppm	0.4 ppm	0.80 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.06 %	0.39 %	0.08 %	0.48 %	0.10 %
O_2	10.01 %	9.96 %	-0.24 %	9.95 %	-0.29 %	-0.05 %
NO_X	0.0 ppm	0.4 ppm	0.86 %	0.3 ppm	0.65 %	-0.22 %
NO_X	19.2 ppm	19.6 ppm	0.86 %	19.5 ppm	0.65 %	-0.22 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.04 %	0.29 %	-0.19 %
O_2	10.01 %	9.95 %	-0.29 %	9.96 %	-0.24 %	0.05 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.5 ppm	0.65 %	19.5 ppm	0.65 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.04 %	0.29 %	0.07 %	0.43 %	0.14 %
O_2	10.01 %	9.96 %	-0.24 %	9.96 %	-0.24 %	0.00 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.5 ppm	0.65 %	19.5 ppm	0.65 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.07 %	0.43 %	0.04 %	0.29 %	-0.14 %
O_2	10.01 %	9.96 %	-0.24 %	9.94 %	-0.34 %	-0.10 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.5 ppm	0.65 %	19.4 ppm	0.43 %	-0.22 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.04 %	0.29 %	0.09 %	0.53 %	0.24 %
O_2	10.01 %	9.94 %	-0.34 %	9.93 %	-0.39 %	-0.05 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.4 ppm	0.43 %	19.4 ppm	0.43 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.05 %	0.34 %	-0.19 %
O_2	10.01 %	9.93 %	-0.39 %	9.91 %	-0.48 %	-0.10 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.4 ppm	0.43 %	19.4 ppm	0.43 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.05 %	0.34 %	0.06 %	0.39 %	0.05 %
O_2	10.01 %	9.91 %	-0.48 %	9.92 %	-0.43 %	0.05 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.4 ppm	0.43 %	19.4 ppm	0.43 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.06 %	0.39 %	0.14 %	0.77 %	0.39 %
O_2	10.01 %	9.92 %	-0.43 %	9.90 %	-0.53 %	-0.10 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.4 ppm	0.43 %	19.3 ppm	0.22 %	-0.22 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.14 %	0.77 %	0.03 %	0.24 %	-0.53 %
O_2	10.01 %	9.90 %	-0.53 %	9.91 %	-0.48 %	0.05 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.3 ppm	0.65 %	0.00 %
NO_X	19.2 ppm	19.3 ppm	0.22 %	19.3 ppm	0.22 %	0.00 %

Unit 2

Calibration Error Tests
Bias and Drift Tests

Analyzer Calibration Error

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 1

Oxygen Monitor

Method 3A

Full Scale: 100.00 %

Serial Number: 1420C/2784

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC318830/cg1	0.00 %	0.05 %	0.05 %	0.24 %
CC426888/cg2	10.03 %	10.16 %	0.13 %	0.63 %
CC418821/cg3	20.77 %	20.80 %	0.03 %	0.14 %

Nitrogen Oxides Monitor

Method 7E

Full Scale: 50.0 ppm

Serial Number: 1016942787

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC318830/cg1	0.0 ppm	0.0 ppm	0.0 ppm	0.00 %
CC410976/cg4	19.63 ppm	18.9 ppm	-0.7 ppm	-1.58 %
CC365573/cg6	46.33 ppm	46.5 ppm	0.2 ppm	0.37 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.13 %	0.39 %	0.24 %	0.91 %	0.53 %
O_2	10.16 %	10.11 %	-0.24 %	10.11 %	-0.24 %	0.00 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.4 ppm	1.08 %	19.4 ppm	1.08 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.24 %	0.91 %	0.26 %	1.01 %	0.10 %
O_2	10.16 %	10.11 %	-0.24 %	10.15 %	-0.05 %	0.19 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.4 ppm	1.08 %	19.4 ppm	1.08 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.26 %	1.01 %	0.32 %	1.30 %	0.29 %
O_2	10.16 %	10.15 %	-0.05 %	10.18 %	0.10 %	0.14 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.4 ppm	1.08 %	19.4 ppm	1.08 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.32 %	1.30 %	0.27 %	1.06 %	-0.24 %
O_2	10.16 %	10.18 %	0.10 %	10.16 %	0.00 %	-0.10 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.4 ppm	1.08 %	19.4 ppm	1.08 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.27 %	1.06 %	0.20 %	0.72 %	-0.34 %
O_2	10.16 %	10.16 %	0.00 %	10.12 %	-0.19 %	-0.19 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.4 ppm	1.08 %	19.3 ppm	0.86 %	-0.22 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.20 %	0.72 %	0.15 %	0.48 %	-0.24 %
O_2	10.16 %	10.12 %	-0.19 %	10.07 %	-0.43 %	-0.24 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.3 ppm	0.86 %	19.2 ppm	0.65 %	-0.22 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.15 %	0.48 %	0.10 %	0.24 %	-0.24 %
O_2	10.16 %	10.07 %	-0.43 %	10.06 %	-0.48 %	-0.05 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.2 ppm	0.65 %	19.2 ppm	0.65 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.10 %	0.24 %	0.10 %	0.24 %	0.00 %
O_2	10.16 %	10.06 %	-0.48 %	10.06 %	-0.48 %	0.00 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.2 ppm	0.65 %	19.2 ppm	0.65 %	0.00 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
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 %	0.10 %	0.24 %	0.12 %	0.34 %	0.10 %
O_2	10.16 %	10.06 %	-0.48 %	10.06 %	-0.48 %	0.00 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	18.9 ppm	19.2 ppm	0.65 %	19.2 ppm	0.65 %	0.00 %

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) =	48.58	Eff NO_2 =	91.6%
Analyzer Value (C_{dir}) =	44.5		

91.6% = 44.5 / 48.58 * 100

Date:	4/16/2014
Technician:	A. Houseal
Analyzer S/N:	1200951382
NO_2 Cylinder S/N:	CC17908
NO_2 Cylinder Expiration Date:	5/9/2015

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) =	48.58	Eff NO_2 =	91.4%
Analyzer Value (C_{dir}) =	44.4		

91.4%	=	44.4	/	48.58	*	100

Date:	4/16/2014
Technician:	A. Houseal
Analyzer S/N:	1016942787
NO_2 Cylinder S/N:	CC17908
NO_2 Cylinder Expiration Date:	5/9/2015

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

Instrument Analyzer Response Time Tests

Rack A Analyzer Response Time Test

Test Performed For:

Northernstar
Orange
Unit 1
Stack
04/16/2014

Analyzer		NOx	O2
Serial Number		1200951382	01420D/3379
Calibration Span		46.33 ppm	20.77%
Upscale Gas		19.63 ppm	10.03%
Downscale Response	(seconds)	105	115
Upscale Response	(seconds)	105	120

System Response	(seconds)	120.000

Rack B Analyzer Response Time Test

Test Performed For:

Northernstar
Orange
Unit 2
Stack
04/16/2014

Analyzer		NOx	O2
Serial Number		1016942787	1420C/2784
Calibration Span		46.33 ppm	20.77%
Upscale Gas		19.63 ppm	10.03%
Downscale Response	(seconds)	90	85
Upscale Response	(seconds)	90	90

System Response	(seconds)	90.000

Appendix F: Reference Method Data

Unit 1

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 1

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.06 %	0.08 %	0.07
10.03 percent O_2	9.96 %	9.95 %	9.96
0.0 ppm NO_X	0.4 ppm	0.3 ppm	0.33
19.6 ppm NO_X	19.6 ppm	19.5 ppm	19.54

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.22 percent O_2	**15.40** percent O_2	DRY
10.4 ppm NO_X	**10.3** ppm NO_X	DRY

Emission Calculations:

0.0410 NO_X Lbs/mmBtu from O_2

11.0 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.00 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 2

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.08 %	0.04 %	0.06
10.03 percent O_2	9.95 %	9.96 %	9.96
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.29
19.6 ppm NO_X	19.5 ppm	19.5 ppm	19.49

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.20 percent O_2	**15.30** percent O_2	DRY
10.2 ppm NO_X	**10.1** ppm NO_X	DRY

Emission Calculations:

0.0390 NO_X Lbs/mmBtu from O_2

10.6 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 3

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.04 %	0.07 %	0.06
10.03 percent O_2	9.96 %	9.96 %	9.96
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.29
19.6 ppm NO_X	19.5 ppm	19.5 ppm	19.49

Mean Reference Values:
15.20 percent O_2
9.8 ppm NO_X

Corrected Results: **Basis:**
15.30 percent O_2 DRY
9.7 ppm NO_X DRY

Emission Calculations:
0.0380 NO_X Lbs/mmBtu from O_2

10.2 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 4

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.07 %	0.04 %	0.06
10.03 percent O_2	9.96 %	9.94 %	9.95
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.29
19.6 ppm NO_X	19.5 ppm	19.4 ppm	19.45

Mean Reference Values:
15.20 percent O_2
9.8 ppm NO_X

Corrected Results: **Basis:**
15.30 percent O_2 DRY
9.7 ppm NO_X DRY

Emission Calculations:
0.0380 NO_X Lbs/mmBtu from O_2

10.2 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 5

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.04 %	0.09 %	0.06
10.03 percent O_2	9.94 %	9.93 %	9.94
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.29
19.6 ppm NO_X	19.4 ppm	19.4 ppm	19.44

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.19 percent O_2	**15.40** percent O_2	DRY
9.7 ppm NO_X	**9.7** ppm NO_X	DRY

Emission Calculations:

0.0380 NO_X Lbs/mmBtu from O_2

10.4 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 6

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.09 %	0.05 %	0.07
10.03 percent O_2	9.93 %	9.91 %	9.92
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.28
19.6 ppm NO_X	19.4 ppm	19.4 ppm	19.44

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.16 percent O_2	**15.40** percent O_2	DRY
10.1 ppm NO_X	**10.1** ppm NO_X	DRY

Emission Calculations:

0.0400 NO_X Lbs/mmBtu from O_2

10.8 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 7

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.06 %	0.06
10.03 percent O_2	9.91 %	9.92 %	9.92
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.27
19.6 ppm NO_X	19.4 ppm	19.4 ppm	19.41

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.15 percent O_2	**15.40** percent O_2	DRY
10.0 ppm NO_X	**10.0** ppm NO_X	DRY

Emission Calculations:

0.0400 NO_X Lbs/mmBtu from O_2

10.7 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 8

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.06 %	0.14 %	0.10
10.03 percent O_2	9.92 %	9.90 %	9.91
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.27
19.6 ppm NO_X	19.4 ppm	19.3 ppm	19.36

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.15 percent O_2	**15.40** percent O_2	DRY
10.1 ppm NO_X	**10.1** ppm NO_X	DRY

Emission Calculations:

0.0400 NO_X Lbs/mmBtu from O_2

10.8 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 1
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 9

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.14 %	0.03 %	0.09
10.03 percent O_2	9.90 %	9.91 %	9.90
0.0 ppm NO_X	0.3 ppm	0.3 ppm	0.29
19.6 ppm NO_X	19.3 ppm	19.3 ppm	19.30

Mean Reference Values:
15.15 percent O_2
10.1 ppm NO_X

Corrected Results: **Basis:**
15.40 percent O_2 DRY
10.1 ppm NO_X DRY

Emission Calculations:
0.0400 NO_X Lbs/mmBtu from O_2

10.8 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

filename		4/16/2014	8:21:42									
testby1	C.E.M. Solutions Inc.											
testby2	1183 E. Overdrive Circle.											
testby3	Hernando, FL											
testby4	34442											
testfor1	Northernstar											
testfor2	Orange Co-Gen											
testfor3	Unit 1											
testfor4	GAS RATA											
name				8-O2	8-NOx							
sn				01420D/3379	1200951382							
offset				0	0							
fullscale				25	50							
train				1	1							
gastype				o2 3a	nox 7e							
dcg1		4/16/2014	8:22:30	20.87	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:22:45	20.89	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:23:00	17.79	0.1	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:23:15	5.96	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:23:30	0.51	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:23:45	0.02	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:24:00	-0.01	-0.1	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:24:15	-0.02	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:24:30	-0.02	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:24:45	-0.02	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg1		4/16/2014	8:25:00	-0.03	0.0	CC318830/cg1	NOx	0	O2	0	0	0
o2ezero1		4/16/2014	8:24:45	-0.02	0.0	CC318830/cg1	NOx	0	O2	0	0	0
noxezero1		4/16/2014	8:24:45	-0.02	0.0	CC318830/cg1	NOx	0	O2	0	0	0
dcg3		4/16/2014	8:25:15	-0.03	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:25:30	0.12	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:25:45	6.16	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:26:00	13.70	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:26:15	18.36	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:26:30	20.45	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:26:45	20.89	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:27:00	20.93	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:27:15	20.93	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:27:30	20.94	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:27:45	20.94	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:28:00	20.88	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:28:15	20.81	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:28:30	20.81	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg3		4/16/2014	8:28:45	20.81	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
o2high1		4/16/2014	8:28:45	20.81	0.0	CC418821/cg3	O2	20.77	CO2	19.69	0	0
dcg6		4/16/2014	8:29:00	20.82	0.0	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:29:15	20.80	0.0	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:29:30	16.43	14.7	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:29:45	7.95	38.8	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:30:00	2.64	45.7	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:30:15	0.36	46.3	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:30:30	0.00	46.7	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:30:45	-0.02	46.8	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:31:00	-0.02	47.0	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:31:15	-0.03	46.8	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:31:30	-0.04	46.6	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:31:45	-0.04	46.7	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:32:00	-0.04	46.7	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:32:15	-0.04	46.8	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:32:30	-0.04	46.8	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:32:45	-0.05	46.8	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:33:00	-0.04	46.8	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:33:15	-0.04	46.7	CC365573/cg6	NOx	46.33		0	0	0
dcg6		4/16/2014	8:33:30	-0.04	46.7	CC365573/cg6	NOx	46.33		0	0	0
noxhigh1		4/16/2014	8:33:30	-0.04	46.7	CC365573/cg6	NOx	46.33		0	0	0
dcg2		4/16/2014	8:33:45	-0.05	46.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg2		4/16/2014	8:34:00	-0.04	39.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg2		4/16/2014	8:34:15	2.43	7.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg2		4/16/2014	8:34:30	6.96	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg2		4/16/2014	8:34:45	9.37	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg2		4/16/2014	8:35:00	9.95	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg2		4/16/2014	8:35:15	10.01	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg2		4/16/2014	8:35:30	10.01	0.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0
o2mid1		4/16/2014	8:35:30	10.01	0.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0
dcg4		4/16/2014	8:35:45	10.01	0.2	CC410976/cg4	NOx	19.63		0	0	0
dcg4		4/16/2014	8:36:00	10.01	0.2	CC410976/cg4	NOx	19.63		0	0	0
dcg4		4/16/2014	8:36:15	9.51	4.1	CC410976/cg4	NOx	19.63		0	0	0
dcg4		4/16/2014	8:36:30	5.34	11.2	CC410976/cg4	NOx	19.63		0	0	0
dcg4		4/16/2014	8:36:45	1.46	18.8	CC410976/cg4	NOx	19.63		0	0	0
dcg4		4/16/2014	8:37:00	0.09	19.1	CC410976/cg4	NOx	19.63		0	0	0
dcg4		4/16/2014	8:37:15	-0.03	19.2	CC410976/cg4	NOx	19.63		0	0	0
dcg4		4/16/2014	8:37:30	-0.04	19.2	CC410976/cg4	NOx	19.63		0	0	0
noxmid1		4/16/2014	8:37:30	-0.04	19.2	CC410976/cg4	NOx	19.63		0	0	0
scg1		4/16/2014	8:38:15	0.41	10.6	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:38:30	9.45	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:38:45	18.60	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:39:00	20.76	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:39:15	20.93	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:39:30	19.91	0.9	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:39:45	11.65	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:40:00	3.03	0.1	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:40:15	0.53	0.1	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:40:30	0.18	0.1	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:40:45	0.12	0.1	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:41:00	0.10	0.1	CC318830/cg1	NOx	0	O2	0	0	0
o2zero1		4/16/2014	8:40:45	0.12	0.1	CC318830/cg1	NOx	0	O2	0	0	0
noxzero1		4/16/2014	8:40:45	0.12	0.1	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:43:30	20.38	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:43:45	20.72	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:44:00	20.78	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:44:15	20.80	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:44:30	20.81	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:44:45	19.34	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:45:00	10.38	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg1		4/16/2014	8:45:15	2.43	0.0	CC318830/cg1	NOx	0	O2	0	0	0
scg4		4/16/2014	8:45:30	0.41	0.0	CC410976/cg4	NOx	19.63		0	0	0
scg4		4/16/2014	8:45:45	0.14	0.0	CC410976/cg4	NOx	19.63		0	0	0
scg4		4/16/2014	8:46:00	0.09	0.0	CC410976/cg4	NOx	19.63		0	0	0

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
scg4	4/16/2014	8:46:15	0.07	0.0	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:46:30	0.06	0.0	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:46:45	0.05	0.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:47:00	0.04	7.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:47:15	0.04	15.8	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:47:30	0.04	18.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:47:45	0.03	18.5	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:48:00	0.03	18.6	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:48:15	0.03	18.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:48:30	0.02	18.7	CC410976/cg4	NOx	19.63		0	0	0
noxspan1	4/16/2014	8:48:30	0.02	18.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:51:00	20.18	0.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:51:15	20.67	0.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:51:30	20.75	0.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:51:45	20.78	0.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:52:00	20.79	0.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:52:15	20.21	7.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:52:30	13.04	16.5	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	8:52:45	3.84	18.1	CC410976/cg4	NOx	19.63		0	0	0
scg2	4/16/2014	8:53:00	0.59	18.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:53:15	0.15	18.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:53:30	0.08	18.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:53:45	0.06	18.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:54:00	0.05	18.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:54:15	0.19	13.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:54:30	3.12	2.8	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:54:45	7.07	0.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:55:00	9.25	0.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:55:15	9.87	0.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:55:30	9.96	0.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:55:45	9.97	0.0	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:56:00	9.98	0.0	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	8:56:15	9.98	0.0	CC426888/cg2	O2	10.03	CO2	9.624	0	0
o2span1	4/16/2014	8:56:15	9.98	0.0	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg6	4/16/2014	8:56:45	9.98	0.0	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:57:00	10.02	3.0	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:57:15	11.82	15.4	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:57:30	17.26	25.7	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:57:45	20.36	29.9	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:58:00	20.82	35.7	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:58:15	20.94	36.9	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:58:30	20.99	38.4	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:58:45	21.00	40.0	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:59:00	21.00	41.8	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:59:15	21.02	42.3	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:59:30	21.04	42.7	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	8:59:45	21.04	43.0	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	9:00:00	21.05	43.4	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	9:00:15	21.05	43.6	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	9:00:30	21.07	43.9	CC365573/cg6	NOx	46.33		0	0	0
scg6	4/16/2014	9:00:45	21.08	44.3	CC365573/cg6	NOx	46.33		0	0	0
scg4	4/16/2014	10:47:30	15.29	8.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:47:45	15.29	8.6	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:48:00	15.29	8.5	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:48:15	15.29	8.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:48:30	15.29	8.0	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:48:45	14.77	10.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:49:00	9.15	17.8	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:49:15	2.59	19.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:49:30	0.40	19.6	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:49:45	0.14	19.6	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	10:50:00	0.10	19.6	CC410976/cg4	NOx	19.63		0	0	0
noxspan1	4/16/2014	10:50:00	0.10	19.6	CC410976/cg4	NOx	19.63		0	0	0
scg2	4/16/2014	10:50:15	0.08	19.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:50:30	0.07	19.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:50:45	0.06	19.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:51:00	0.05	19.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:51:15	0.04	19.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:51:30	0.11	14.9	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:51:45	2.67	4.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:52:00	6.93	1.0	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:52:15	9.26	0.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:52:30	9.88	0.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	10:52:45	9.96	0.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
o2span1	4/16/2014	10:52:45	9.96	0.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg1	4/16/2014	10:53:00	9.97	0.5	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:53:15	9.98	0.5	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:53:30	9.98	0.5	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:53:45	9.98	0.5	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:54:00	9.99	0.5	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:54:15	9.99	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:54:30	9.15	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:54:45	5.06	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:55:00	1.56	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:55:15	0.24	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:55:30	0.08	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	10:55:45	0.06	0.4	CC318830/cg1	NOx	0	O2	0	0	0
o2zero1	4/16/2014	10:55:45	0.06	0.4	CC318830/cg1	NOx	0	O2	0	0	0
noxzero1	4/16/2014	10:55:45	0.06	0.4	CC318830/cg1	NOx	0	O2	0	0	0
run1	4/16/2014	11:20:30	15.21	10.5							
run1	4/16/2014	11:20:45	15.21	10.5							
run1	4/16/2014	11:21:00	15.21	10.5							
run1	4/16/2014	11:21:15	15.21	10.5							
run1	4/16/2014	11:21:30	15.21	10.5							
run1	4/16/2014	11:21:45	15.21	10.5							
run1	4/16/2014	11:22:00	15.21	10.5							
run1	4/16/2014	11:22:15	15.21	10.4							
run1	4/16/2014	11:22:30	15.21	10.4							
run1	4/16/2014	11:22:45	15.21	10.5							
run1	4/16/2014	11:23:00	15.22	10.4							
run1	4/16/2014	11:23:15	15.22	10.3							

name			8-O2	8-NOx						
sn			01420D/3379	1200951382						
offset			0	0						
fullscale			25	50						
train			1	1						
gastype			o2 3a	nox 7e						
run1	4/16/2014	11:23:30	15.22	10.3						
run1	4/16/2014	11:23:45	15.22	10.2						
run1	4/16/2014	11:24:00	15.22	10.2						
run1	4/16/2014	11:24:15	15.22	10.3						
run1	4/16/2014	11:24:30	15.22	10.3						
run1	4/16/2014	11:24:45	15.22	10.2						
run1	4/16/2014	11:25:00	15.22	10.3						
run1	4/16/2014	11:25:15	15.22	10.3						
run1	4/16/2014	11:25:30	15.22	10.3						
run1	4/16/2014	11:25:45	15.22	10.3						
run1	4/16/2014	11:26:00	15.21	10.2						
run1	4/16/2014	11:26:15	15.22	10.3						
run1	4/16/2014	11:26:30	15.21	10.4						
run1	4/16/2014	11:26:45	15.22	10.4						
run1	4/16/2014	11:27:00	15.22	10.4						
run1	4/16/2014	11:27:15	15.22	10.5						
run1	4/16/2014	11:27:30	15.22	10.5						
run1	4/16/2014	11:27:45	15.21	10.5						
run1	4/16/2014	11:28:00	15.21	10.5						
run1	4/16/2014	11:28:15	15.22	10.4						
run1	4/16/2014	11:28:30	15.22	10.4						
run1	4/16/2014	11:28:45	15.22	10.4						
run1	4/16/2014	11:29:00	15.22	10.3						
run1	4/16/2014	11:29:15	15.22	10.3						
run1	4/16/2014	11:29:30	15.22	10.2						
run1	4/16/2014	11:29:45	15.22	10.4						
run1	4/16/2014	11:30:00	15.22	10.4						
run1	4/16/2014	11:30:15	15.21	10.4						
run1	4/16/2014	11:30:30	15.22	10.4						
run1	4/16/2014	11:30:45	15.22	10.4						
run1	4/16/2014	11:31:00	15.22	10.4						
run1	4/16/2014	11:31:15	15.23	10.4						
run1	4/16/2014	11:31:30	15.23	10.5						
run1	4/16/2014	11:31:45	15.22	10.6						
run1	4/16/2014	11:32:00	15.22	10.6						
run1	4/16/2014	11:32:15	15.22	10.5						
run1	4/16/2014	11:32:30	15.22	10.5						
run1	4/16/2014	11:32:45	15.22	10.4						
run1	4/16/2014	11:33:00	15.22	10.3						
run1	4/16/2014	11:33:15	15.21	10.3						
run1	4/16/2014	11:33:30	15.22	10.3						
run1	4/16/2014	11:33:45	15.22	10.3						
run1	4/16/2014	11:34:00	15.22	10.5						
run1	4/16/2014	11:34:15	15.22	10.4						
run1	4/16/2014	11:34:30	15.22	10.2						
run1	4/16/2014	11:34:45	15.21	10.2						
run1	4/16/2014	11:35:00	15.22	10.2						
run1	4/16/2014	11:35:15	15.22	10.3						
run1	4/16/2014	11:35:30	15.22	10.3						
run1	4/16/2014	11:35:45	15.22	10.3						
run1	4/16/2014	11:36:00	15.22	10.4						
run1	4/16/2014	11:36:15	15.22	10.3						
run1	4/16/2014	11:36:30	15.22	10.2						
run1	4/16/2014	11:36:45	15.21	10.2						
run1	4/16/2014	11:37:00	15.21	10.1						
run1	4/16/2014	11:37:15	15.21	10.1						
run1	4/16/2014	11:37:30	15.21	10.1						
run1	4/16/2014	11:37:45	15.22	10.2						
run1	4/16/2014	11:38:00	15.22	10.4						
run1	4/16/2014	11:38:15	15.22	10.3						
run1	4/16/2014	11:38:30	15.21	10.2						
run1	4/16/2014	11:38:45	15.21	10.3						
run1	4/16/2014	11:39:00	15.22	10.4						
run1	4/16/2014	11:39:15	15.22	10.4						
run1	4/16/2014	11:39:30	15.21	10.5						
run1	4/16/2014	11:39:45	15.21	10.6						
run1	4/16/2014	11:40:00	15.21	10.6						
run1	4/16/2014	11:40:15	15.21	10.6						
run1	4/16/2014	11:40:30	15.20	10.6						
run1	4/16/2014	11:40:45	15.21	10.5						
run1	4/16/2014	11:41:00	15.21	10.4						
run1	4/16/2014	11:41:15	15.21	10.4						
run1	4/16/2014	11:41:30	15.21	10.5						
run1	4/16/2014	11:41:45	15.20	10.4						
run1	4/16/2014	11:42:00	15.21	10.4						
run1	4/16/2014	11:42:15	15.21	10.4						
run1	4/16/2014	11:42:30	15.20	10.4						
run1	4/16/2014	11:42:45	15.21	10.5						
run1	4/16/2014	11:43:00	15.21	10.4						
run1	4/16/2014	11:43:15	15.19	10.3						
run1	4/16/2014	11:43:30	15.21	10.3						
run1	4/16/2014	11:43:45	15.20	10.3						
run1	4/16/2014	11:44:00	15.21	10.2						
averun1	4/16/2014	11:23:00	15.22	10.4	21					
scg4	4/16/2014	11:44:15	15.21	10.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:44:30	15.21	10.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:44:45	15.21	10.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:45:00	15.21	10.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:45:15	15.22	10.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:45:30	14.66	9.8	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:45:45	8.95	16.5	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:46:00	2.50	19.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:46:15	0.38	19.4	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:46:30	0.12	19.4	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:46:45	0.08	19.5	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	11:47:00	0.06	19.5	CC410976/cg4	NOx	19.63	0	0	0
noxspan1	4/16/2014	11:46:45	0.08	19.5	CC410976/cg4	NOx	19.63	0	0	0
scg2	4/16/2014	11:47:15	0.06	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	11:47:30	0.04	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	11:47:45	0.04	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	11:48:00	0.04	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0

name			8-O2	8-NOx						
sn			01420D/3379	1200951382						
offset			0	0						
fullscale			25	50						
train			1	1						
gastype			o2 3a	nox 7e						
scg2	4/16/2014	11:48:15	0.03	19.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:48:30	0.35	12.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:48:45	3.89	2.7	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:00	7.67	0.7	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:15	9.49	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:30	9.90	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:45	9.95	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:50:00	9.95	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span1	4/16/2014	11:50:00	9.95	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg1	4/16/2014	11:50:15	9.96	0.4	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:50:30	9.97	0.4	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:50:45	9.97	0.4	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:00	9.98	0.4	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:15	9.98	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:30	9.97	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:45	8.88	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:00	4.74	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:15	1.44	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:30	0.24	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:45	0.08	0.3	CC318830/cg1	NOx	0 O2	0	0	0
o2zero1	4/16/2014	11:52:45	0.08	0.3	CC318830/cg1	NOx	0 O2	0	0	0
noxzero1	4/16/2014	11:52:45	0.08	0.3	CC318830/cg1	NOx	0 O2	0	0	0
run2	4/16/2014	11:54:45	10.90	8.8						
run2	4/16/2014	11:55:00	14.26	9.2						
run2	4/16/2014	11:55:15	14.99	9.3						
run2	4/16/2014	11:55:30	15.16	9.4						
run2	4/16/2014	11:55:45	15.17	9.5						
run2	4/16/2014	11:56:00	15.18	9.5						
run2	4/16/2014	11:56:15	15.18	9.5						
run2	4/16/2014	11:56:30	15.18	9.5						
run2	4/16/2014	11:56:45	15.18	9.6						
run2	4/16/2014	11:57:00	15.18	9.6						
run2	4/16/2014	11:57:15	15.18	9.7						
run2	4/16/2014	11:57:30	15.18	9.7						
run2	4/16/2014	11:57:45	15.18	9.7						
run2	4/16/2014	11:58:00	15.19	9.7						
run2	4/16/2014	11:58:15	15.19	9.7						
run2	4/16/2014	11:58:30	15.19	9.6						
run2	4/16/2014	11:58:45	15.19	9.6						
run2	4/16/2014	11:59:00	15.19	9.6						
run2	4/16/2014	11:59:15	15.19	9.7						
run2	4/16/2014	11:59:30	15.20	9.8						
run2	4/16/2014	11:59:45	15.20	9.8						
run2	4/16/2014	12:00:00	15.20	9.7						
run2	4/16/2014	12:00:15	15.19	9.7						
run2	4/16/2014	12:00:30	15.20	9.6						
run2	4/16/2014	12:00:45	15.19	9.6						
run2	4/16/2014	12:01:00	15.20	9.7						
run2	4/16/2014	12:01:15	15.20	9.7						
run2	4/16/2014	12:01:30	15.20	9.7						
run2	4/16/2014	12:01:45	15.19	9.8						
run2	4/16/2014	12:02:00	15.20	9.8						
run2	4/16/2014	12:02:15	15.20	9.8						
run2	4/16/2014	12:02:30	15.20	9.8						
run2	4/16/2014	12:02:45	15.20	9.8						
run2	4/16/2014	12:03:00	15.20	9.8						
run2	4/16/2014	12:03:15	15.21	9.8						
run2	4/16/2014	12:03:30	15.21	9.8						
run2	4/16/2014	12:03:45	15.21	9.8						
run2	4/16/2014	12:04:00	15.21	9.9						
run2	4/16/2014	12:04:15	15.21	9.9						
run2	4/16/2014	12:04:30	15.21	9.6						
run2	4/16/2014	12:04:45	15.21	9.7						
run2	4/16/2014	12:05:00	15.21	9.9						
run2	4/16/2014	12:05:15	15.21	9.9						
run2	4/16/2014	12:05:30	15.21	9.9						
run2	4/16/2014	12:05:45	15.21	10.0						
run2	4/16/2014	12:06:00	15.21	10.2						
run2	4/16/2014	12:06:15	15.20	10.3						
run2	4/16/2014	12:06:30	15.20	10.4						
run2	4/16/2014	12:06:45	15.20	10.6						
run2	4/16/2014	12:07:00	15.20	10.7						
run2	4/16/2014	12:07:15	15.20	10.9						
run2	4/16/2014	12:07:30	15.21	11.1						
run2	4/16/2014	12:07:45	15.21	11.1						
run2	4/16/2014	12:08:00	15.21	11.1						
run2	4/16/2014	12:08:15	15.21	11.1						
run2	4/16/2014	12:08:30	15.21	11.1						
run2	4/16/2014	12:08:45	15.21	11.0						
run2	4/16/2014	12:09:00	15.21	11.0						
run2	4/16/2014	12:09:15	15.21	11.0						
run2	4/16/2014	12:09:30	15.21	10.9						
run2	4/16/2014	12:09:45	15.21	10.8						
run2	4/16/2014	12:10:00	15.20	10.6						
run2	4/16/2014	12:10:15	15.21	10.7						
run2	4/16/2014	12:10:30	15.21	10.6						
run2	4/16/2014	12:10:45	15.21	10.5						
run2	4/16/2014	12:11:00	15.21	10.5						
run2	4/16/2014	12:11:15	15.20	10.5						
run2	4/16/2014	12:11:30	15.21	10.5						
run2	4/16/2014	12:11:45	15.21	10.5						
run2	4/16/2014	12:12:00	15.20	10.7						
run2	4/16/2014	12:12:15	15.21	10.6						
run2	4/16/2014	12:12:30	15.21	10.5						
run2	4/16/2014	12:12:45	15.21	10.5						
run2	4/16/2014	12:13:00	15.21	10.5						
run2	4/16/2014	12:13:15	15.21	10.4						
run2	4/16/2014	12:13:30	15.21	10.4						
run2	4/16/2014	12:13:45	15.21	10.4						
run2	4/16/2014	12:14:00	15.21	10.3						
run2	4/16/2014	12:14:15	15.21	10.3						

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
run2	4/16/2014	12:14:30	15.21	10.3							
run2	4/16/2014	12:14:45	15.21	10.3							
run2	4/16/2014	12:15:00	15.21	10.3							
run2	4/16/2014	12:15:15	15.21	10.3							
run2	4/16/2014	12:15:30	15.21	10.3							
run2	4/16/2014	12:15:45	15.21	10.2							
run2	4/16/2014	12:16:00	15.21	10.2							
run2	4/16/2014	12:16:15	15.21	10.1							
run2	4/16/2014	12:16:30	15.20	10.1							
run2	4/16/2014	12:16:45	15.21	10.1							
averun2	4/16/2014	11:56:00	15.20	10.2	21						
scg4	4/16/2014	12:17:00	15.21	10.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:17:15	15.21	10.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:17:30	15.21	10.1	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:17:45	15.21	10.1	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:00	15.21	10.1	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:15	15.12	8.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:30	11.63	14.1	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:45	4.39	18.6	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:00	0.72	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:15	0.15	19.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:30	0.08	19.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:45	0.07	19.5	CC410976/cg4	NOx	19.63	0	0	0	
noxspan1	4/16/2014	12:19:45	0.07	19.5	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	12:20:00	0.04	19.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:20:15	0.05	19.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:20:30	0.04	19.6	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:20:45	0.04	19.6	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:21:00	0.04	19.6	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:21:15	0.09	15.8	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:21:30	2.45	3.9	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:21:45	6.66	1.0	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:22:00	9.17	0.6	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:22:15	9.86	0.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:22:30	9.94	0.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:22:45	9.96	0.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
o2span1	4/16/2014	12:22:45	9.96	0.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg1	4/16/2014	12:23:00	9.96	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:23:15	9.97	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:23:30	9.97	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:23:45	9.97	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:24:00	9.98	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:24:15	9.97	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:24:30	8.89	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:24:45	4.59	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:25:00	1.23	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:25:15	0.19	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:25:30	0.07	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:25:45	0.05	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:26:00	0.04	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
o2zero1	4/16/2014	12:26:00	0.04	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
noxzero1	4/16/2014	12:26:00	0.04	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
run3	4/16/2014	12:28:45	15.15	9.6							
run3	4/16/2014	12:29:00	15.18	9.6							
run3	4/16/2014	12:29:15	15.19	9.6							
run3	4/16/2014	12:29:30	15.19	9.6							
run3	4/16/2014	12:29:45	15.19	9.6							
run3	4/16/2014	12:30:00	15.19	9.6							
run3	4/16/2014	12:30:15	15.19	9.6							
run3	4/16/2014	12:30:30	15.19	9.6							
run3	4/16/2014	12:30:45	15.19	9.5							
run3	4/16/2014	12:31:00	15.19	9.5							
run3	4/16/2014	12:31:15	15.19	9.6							
run3	4/16/2014	12:31:30	15.19	9.7							
run3	4/16/2014	12:31:45	15.19	9.7							
run3	4/16/2014	12:32:00	15.19	9.7							
run3	4/16/2014	12:32:15	15.19	9.8							
run3	4/16/2014	12:32:30	15.19	9.7							
run3	4/16/2014	12:32:45	15.19	9.7							
run3	4/16/2014	12:33:00	15.19	9.7							
run3	4/16/2014	12:33:15	15.19	9.7							
run3	4/16/2014	12:33:30	15.19	9.7							
run3	4/16/2014	12:33:45	15.19	9.7							
run3	4/16/2014	12:34:00	15.19	9.8							
run3	4/16/2014	12:34:15	15.19	9.8							
run3	4/16/2014	12:34:30	15.19	9.9							
run3	4/16/2014	12:34:45	15.19	9.9							
run3	4/16/2014	12:35:00	15.19	9.9							
run3	4/16/2014	12:35:15	15.19	9.9							
run3	4/16/2014	12:35:30	15.19	9.9							
run3	4/16/2014	12:35:45	15.19	9.9							
run3	4/16/2014	12:36:00	15.19	9.8							
run3	4/16/2014	12:36:15	15.19	9.9							
run3	4/16/2014	12:36:30	15.20	9.9							
run3	4/16/2014	12:36:45	15.20	9.9							
run3	4/16/2014	12:37:00	15.20	9.8							
run3	4/16/2014	12:37:15	15.20	9.8							
run3	4/16/2014	12:37:30	15.20	9.9							
run3	4/16/2014	12:37:45	15.20	9.9							
run3	4/16/2014	12:38:00	15.20	10.0							
run3	4/16/2014	12:38:15	15.20	10.0							
run3	4/16/2014	12:38:30	15.20	10.0							
run3	4/16/2014	12:38:45	15.20	9.9							
run3	4/16/2014	12:39:00	15.20	9.9							
run3	4/16/2014	12:39:15	15.20	9.9							
run3	4/16/2014	12:39:30	15.20	9.9							
run3	4/16/2014	12:39:45	15.20	9.9							
run3	4/16/2014	12:40:00	15.20	9.9							
run3	4/16/2014	12:40:15	15.19	9.9							
run3	4/16/2014	12:40:30	15.20	9.9							
run3	4/16/2014	12:40:45	15.20	9.9							

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
run3	4/16/2014	12:41:00	15.20	9.9							
run3	4/16/2014	12:41:15	15.20	9.8							
run3	4/16/2014	12:41:30	15.20	9.9							
run3	4/16/2014	12:41:45	15.20	9.9							
run3	4/16/2014	12:42:00	15.20	9.9							
run3	4/16/2014	12:42:15	15.21	9.8							
run3	4/16/2014	12:42:30	15.20	9.9							
run3	4/16/2014	12:42:45	15.21	9.9							
run3	4/16/2014	12:43:00	15.20	9.8							
run3	4/16/2014	12:43:15	15.20	9.8							
run3	4/16/2014	12:43:30	15.20	9.9							
run3	4/16/2014	12:43:45	15.20	9.9							
run3	4/16/2014	12:44:00	15.20	9.9							
run3	4/16/2014	12:44:15	15.20	9.8							
run3	4/16/2014	12:44:30	15.20	9.8							
run3	4/16/2014	12:44:45	15.20	9.9							
run3	4/16/2014	12:45:00	15.21	10.0							
run3	4/16/2014	12:45:15	15.21	10.0							
run3	4/16/2014	12:45:30	15.21	10.0							
run3	4/16/2014	12:45:45	15.21	10.0							
run3	4/16/2014	12:46:00	15.21	10.0							
run3	4/16/2014	12:46:15	15.21	9.9							
run3	4/16/2014	12:46:30	15.21	9.9							
run3	4/16/2014	12:46:45	15.21	9.9							
run3	4/16/2014	12:47:00	15.21	9.8							
run3	4/16/2014	12:47:15	15.21	9.9							
run3	4/16/2014	12:47:30	15.20	9.8							
run3	4/16/2014	12:47:45	15.21	9.8							
run3	4/16/2014	12:48:00	15.21	9.8							
run3	4/16/2014	12:48:15	15.21	9.9							
run3	4/16/2014	12:48:30	15.21	9.9							
run3	4/16/2014	12:48:45	15.21	9.9							
run3	4/16/2014	12:49:00	15.21	9.9							
run3	4/16/2014	12:49:15	15.21	9.9							
run3	4/16/2014	12:49:30	15.21	9.8							
run3	4/16/2014	12:49:45	15.21	9.9							
averun3	4/16/2014	12:29:00	15.20	9.8	21						
scg4	4/16/2014	12:50:00	15.21	9.9	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:50:15	15.21	9.9	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:50:30	15.21	9.9	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:50:45	15.21	9.9	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:51:00	15.21	9.9	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:51:15	15.05	8.8	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:51:30	10.68	15.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:51:45	3.65	18.8	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:52:00	0.58	19.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:52:15	0.14	19.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	12:52:30	0.09	19.5	CC410976/cg4	NOx	19.63		0	0	0
noxspan1	4/16/2014	12:52:30	0.09	19.5	CC410976/cg4	NOx	19.63		0	0	0
scg2	4/16/2014	12:52:45	0.07	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:53:00	0.06	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:53:15	0.05	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:53:30	0.05	19.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:53:45	0.04	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:54:00	0.10	15.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:54:15	2.61	4.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:54:30	6.85	0.8	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:54:45	9.20	0.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:55:00	9.86	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:55:15	9.94	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:55:30	9.96	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:55:45	9.96	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	12:56:00	9.96	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
o2span1	4/16/2014	12:56:00	9.96	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg1	4/16/2014	12:56:15	9.97	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:56:30	9.97	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:56:45	9.96	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:57:00	9.98	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:57:15	9.98	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:57:30	9.96	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:57:45	8.38	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:58:00	3.99	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:58:15	0.97	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:58:30	0.16	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	12:58:45	0.07	0.3	CC318830/cg1	NOx	0	O2	0	0	0
o2zero1	4/16/2014	12:58:45	0.07	0.3	CC318830/cg1	NOx	0	O2	0	0	0
noxzero1	4/16/2014	12:58:45	0.07	0.3	CC318830/cg1	NOx	0	O2	0	0	0
run4	4/16/2014	13:00:30	1.29	5.1							
run4	4/16/2014	13:00:45	7.68	8.0							
run4	4/16/2014	13:01:00	13.01	8.7							
run4	4/16/2014	13:01:15	14.82	9.1							
run4	4/16/2014	13:01:30	15.10	9.2							
run4	4/16/2014	13:01:45	15.18	9.3							
run4	4/16/2014	13:02:00	15.17	9.3							
run4	4/16/2014	13:02:15	15.18	9.4							
run4	4/16/2014	13:02:30	15.18	9.5							
run4	4/16/2014	13:02:45	15.18	9.6							
run4	4/16/2014	13:03:00	15.18	9.6							
run4	4/16/2014	13:03:15	15.18	9.6							
run4	4/16/2014	13:03:30	15.18	9.6							
run4	4/16/2014	13:03:45	15.18	9.5							
run4	4/16/2014	13:04:00	15.18	9.5							
run4	4/16/2014	13:04:15	15.18	9.5							
run4	4/16/2014	13:04:30	15.18	9.5							
run4	4/16/2014	13:04:45	15.19	9.5							
run4	4/16/2014	13:05:00	15.19	9.5							
run4	4/16/2014	13:05:15	15.19	9.5							
run4	4/16/2014	13:05:30	15.19	9.5							
run4	4/16/2014	13:05:45	15.19	9.6							
run4	4/16/2014	13:06:00	15.19	9.5							
run4	4/16/2014	13:06:15	15.19	9.6							

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
run4	4/16/2014	13:06:30	15.20	9.8							
run4	4/16/2014	13:06:45	15.20	9.8							
run4	4/16/2014	13:07:00	15.19	9.8							
run4	4/16/2014	13:07:15	15.19	9.7							
run4	4/16/2014	13:07:30	15.20	9.7							
run4	4/16/2014	13:07:45	15.20	9.7							
run4	4/16/2014	13:08:00	15.19	9.7							
run4	4/16/2014	13:08:15	15.19	9.7							
run4	4/16/2014	13:08:30	15.20	9.7							
run4	4/16/2014	13:08:45	15.20	9.7							
run4	4/16/2014	13:09:00	15.20	9.7							
run4	4/16/2014	13:09:15	15.20	9.7							
run4	4/16/2014	13:09:30	15.20	9.7							
run4	4/16/2014	13:09:45	15.20	9.7							
run4	4/16/2014	13:10:00	15.20	9.7							
run4	4/16/2014	13:10:15	15.20	9.7							
run4	4/16/2014	13:10:30	15.20	9.7							
run4	4/16/2014	13:10:45	15.21	9.7							
run4	4/16/2014	13:11:00	15.21	9.7							
run4	4/16/2014	13:11:15	15.21	9.7							
run4	4/16/2014	13:11:30	15.21	9.7							
run4	4/16/2014	13:11:45	15.21	9.8							
run4	4/16/2014	13:12:00	15.21	9.8							
run4	4/16/2014	13:12:15	15.20	9.9							
run4	4/16/2014	13:12:30	15.20	10.0							
run4	4/16/2014	13:12:45	15.20	10.1							
run4	4/16/2014	13:13:00	15.20	10.2							
run4	4/16/2014	13:13:15	15.20	10.2							
run4	4/16/2014	13:13:30	15.20	10.3							
run4	4/16/2014	13:13:45	15.20	10.3							
run4	4/16/2014	13:14:00	15.20	10.2							
run4	4/16/2014	13:14:15	15.19	10.2							
run4	4/16/2014	13:14:30	15.20	10.1							
run4	4/16/2014	13:14:45	15.20	10.0							
run4	4/16/2014	13:15:00	15.21	10.0							
run4	4/16/2014	13:15:15	15.20	10.0							
run4	4/16/2014	13:15:30	15.20	10.0							
run4	4/16/2014	13:15:45	15.20	10.0							
run4	4/16/2014	13:16:00	15.20	10.0							
run4	4/16/2014	13:16:15	15.20	9.9							
run4	4/16/2014	13:16:30	15.20	9.9							
run4	4/16/2014	13:16:45	15.20	9.9							
run4	4/16/2014	13:17:00	15.21	9.9							
run4	4/16/2014	13:17:15	15.21	9.9							
run4	4/16/2014	13:17:30	15.21	9.8							
run4	4/16/2014	13:17:45	15.21	9.8							
run4	4/16/2014	13:18:00	15.21	10.0							
run4	4/16/2014	13:18:15	15.21	10.0							
run4	4/16/2014	13:18:30	15.21	10.1							
run4	4/16/2014	13:18:45	15.21	10.1							
run4	4/16/2014	13:19:00	15.21	10.0							
run4	4/16/2014	13:19:15	15.21	10.0							
run4	4/16/2014	13:19:30	15.21	9.9							
run4	4/16/2014	13:19:45	15.21	9.9							
run4	4/16/2014	13:20:00	15.21	9.9							
run4	4/16/2014	13:20:15	15.21	9.9							
run4	4/16/2014	13:20:30	15.21	9.9							
run4	4/16/2014	13:20:45	15.20	9.9							
run4	4/16/2014	13:21:00	15.21	9.8							
run4	4/16/2014	13:21:15	15.21	9.8							
run4	4/16/2014	13:21:30	15.20	9.8							
run4	4/16/2014	13:21:45	15.21	9.8							
run4	4/16/2014	13:22:00	15.21	9.8							
run4	4/16/2014	13:22:15	15.21	9.7							
run4	4/16/2014	13:22:30	15.21	9.7							
run4	4/16/2014	13:22:45	15.21	9.7							
averun4	4/16/2014	13:02:00	15.20	9.8	21						
scg4	4/16/2014	13:23:00	15.21	9.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:23:15	15.21	9.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:23:30	15.21	9.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:23:45	15.21	9.7	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:24:00	15.21	9.8	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:24:15	15.17	8.6	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:24:30	12.27	13.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:24:45	4.86	18.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:25:00	0.86	19.3	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:25:15	0.17	19.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	4/16/2014	13:25:30	0.09	19.4	CC410976/cg4	NOx	19.63		0	0	0
noxspan1	4/16/2014	13:25:30	0.09	19.4	CC410976/cg4	NOx	19.63		0	0	0
scg2	4/16/2014	13:25:45	0.07	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:26:00	0.06	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:26:15	0.04	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:26:30	0.05	19.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:26:45	0.04	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:27:00	0.10	15.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:27:15	2.50	4.8	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:27:30	6.67	0.9	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:27:45	9.17	0.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:28:00	9.85	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:28:15	9.94	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
o2span1	4/16/2014	13:28:15	9.94	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg1	4/16/2014	13:28:30	9.96	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:28:45	9.95	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:29:00	9.96	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:29:15	9.96	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:29:30	9.97	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:29:45	9.93	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:30:00	7.61	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:30:15	3.26	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:30:30	0.74	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	13:30:45	0.12	0.3	CC318830/cg1	NOx	0	O2	0	0	0

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
scg1	4/16/2014	13:31:00	0.06	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	13:31:15	0.05	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	13:31:30	0.04	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
o2zero1	4/16/2014	13:31:30	0.04	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
noxzero1	4/16/2014	13:31:30	0.04	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
run5	4/16/2014	13:34:45	15.18	9.3							
run5	4/16/2014	13:35:00	15.18	9.4							
run5	4/16/2014	13:35:15	15.17	9.4							
run5	4/16/2014	13:35:30	15.18	9.4							
run5	4/16/2014	13:35:45	15.18	9.3							
run5	4/16/2014	13:36:00	15.18	9.3							
run5	4/16/2014	13:36:15	15.18	9.3							
run5	4/16/2014	13:36:30	15.17	9.2							
run5	4/16/2014	13:36:45	15.18	9.2							
run5	4/16/2014	13:37:00	15.18	9.2							
run5	4/16/2014	13:37:15	15.19	9.2							
run5	4/16/2014	13:37:30	15.19	9.3							
run5	4/16/2014	13:37:45	15.19	9.3							
run5	4/16/2014	13:38:00	15.18	9.4							
run5	4/16/2014	13:38:15	15.19	9.4							
run5	4/16/2014	13:38:30	15.19	9.4							
run5	4/16/2014	13:38:45	15.19	9.5							
run5	4/16/2014	13:39:00	15.20	9.6							
run5	4/16/2014	13:39:15	15.20	9.6							
run5	4/16/2014	13:39:30	15.19	9.4							
run5	4/16/2014	13:39:45	15.20	9.4							
run5	4/16/2014	13:40:00	15.20	9.3							
run5	4/16/2014	13:40:15	15.20	9.3							
run5	4/16/2014	13:40:30	15.19	9.3							
run5	4/16/2014	13:40:45	15.20	9.2							
run5	4/16/2014	13:41:00	15.19	9.2							
run5	4/16/2014	13:41:15	15.20	9.2							
run5	4/16/2014	13:41:30	15.20	9.2							
run5	4/16/2014	13:41:45	15.20	9.3							
run5	4/16/2014	13:42:00	15.20	9.3							
run5	4/16/2014	13:42:15	15.20	9.4							
run5	4/16/2014	13:42:30	15.18	9.6							
run5	4/16/2014	13:42:45	15.20	9.8							
run5	4/16/2014	13:43:00	15.19	9.7							
run5	4/16/2014	13:43:15	15.19	9.6							
run5	4/16/2014	13:43:30	15.20	9.5							
run5	4/16/2014	13:43:45	15.20	9.5							
run5	4/16/2014	13:44:00	15.20	9.5							
run5	4/16/2014	13:44:15	15.20	9.6							
run5	4/16/2014	13:44:30	15.20	9.7							
run5	4/16/2014	13:44:45	15.19	9.8							
run5	4/16/2014	13:45:00	15.20	9.9							
run5	4/16/2014	13:45:15	15.20	10.1							
run5	4/16/2014	13:45:30	15.20	10.3							
run5	4/16/2014	13:45:45	15.20	10.4							
run5	4/16/2014	13:46:00	15.19	10.4							
run5	4/16/2014	13:46:15	15.19	10.3							
run5	4/16/2014	13:46:30	15.20	10.3							
run5	4/16/2014	13:46:45	15.20	10.4							
run5	4/16/2014	13:47:00	15.20	10.3							
run5	4/16/2014	13:47:15	15.20	10.2							
run5	4/16/2014	13:47:30	15.20	10.2							
run5	4/16/2014	13:47:45	15.20	10.1							
run5	4/16/2014	13:48:00	15.20	10.0							
run5	4/16/2014	13:48:15	15.20	10.0							
run5	4/16/2014	13:48:30	15.20	9.9							
run5	4/16/2014	13:48:45	15.19	9.9							
run5	4/16/2014	13:49:00	15.20	9.8							
run5	4/16/2014	13:49:15	15.20	9.8							
run5	4/16/2014	13:49:30	15.20	9.8							
run5	4/16/2014	13:49:45	15.20	9.8							
run5	4/16/2014	13:50:00	15.20	9.7							
run5	4/16/2014	13:50:15	15.20	9.8							
run5	4/16/2014	13:50:30	15.21	9.7							
run5	4/16/2014	13:50:45	15.21	9.8							
run5	4/16/2014	13:51:00	15.20	9.9							
run5	4/16/2014	13:51:15	15.20	10.0							
run5	4/16/2014	13:51:30	15.19	10.1							
run5	4/16/2014	13:51:45	15.19	10.2							
run5	4/16/2014	13:52:00	15.19	10.2							
run5	4/16/2014	13:52:15	15.19	10.2							
run5	4/16/2014	13:52:30	15.19	10.2							
run5	4/16/2014	13:52:45	15.19	10.2							
run5	4/16/2014	13:53:00	15.19	10.1							
run5	4/16/2014	13:53:15	15.19	10.1							
run5	4/16/2014	13:53:30	15.19	10.0							
run5	4/16/2014	13:53:45	15.20	10.0							
run5	4/16/2014	13:54:00	15.20	10.0							
run5	4/16/2014	13:54:15	15.20	9.9							
run5	4/16/2014	13:54:30	15.20	10.0							
run5	4/16/2014	13:54:45	15.19	10.0							
run5	4/16/2014	13:55:00	15.19	10.0							
run5	4/16/2014	13:55:15	15.20	10.0							
run5	4/16/2014	13:55:30	15.20	10.0							
run5	4/16/2014	13:55:45	15.19	10.0							
averun5	4/16/2014	13:35:00	15.19	9.7	21						
scg4	4/16/2014	13:56:00	15.20	9.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:56:15	15.19	9.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:56:30	15.20	9.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:56:45	15.19	9.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:57:00	15.20	9.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:57:15	14.78	8.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:57:30	9.37	16.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:57:45	2.69	19.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:58:00	0.38	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	13:58:15	0.12	19.4	CC410976/cg4	NOx	19.63	0	0	0	

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
scg4	4/16/2014	13:58:30	0.08	19.4	CC410976/cg4	NOx	19.63	0	0	0	
noxspan1	4/16/2014	13:58:30	0.08	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	13:58:45	0.06	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:59:00	0.05	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:59:15	0.05	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:59:30	0.04	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	13:59:45	0.03	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:00:00	0.08	15.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:00:15	2.43	4.8	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:00:30	6.64	0.8	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:00:45	9.16	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:01:00	9.84	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:01:15	9.93	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
o2span1	4/16/2014	14:01:15	9.93	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg1	4/16/2014	14:01:30	9.95	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:01:45	9.95	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:02:00	9.94	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:02:15	9.94	0.4	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:02:30	9.96	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:02:45	9.96	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:03:00	9.58	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:03:15	6.03	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:03:30	2.13	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:03:45	0.36	0.3	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:04:00	0.09	0.3	CC318830/cg1	NOx	0	O2	0	0	0
o2zero1	4/16/2014	14:04:00	0.09	0.3	CC318830/cg1	NOx	0	O2	0	0	0
noxzero1	4/16/2014	14:04:00	0.09	0.3	CC318830/cg1	NOx	0	O2	0	0	0
run6	4/16/2014	14:06:00	8.87	8.8							
run6	4/16/2014	14:06:15	13.56	9.2							
run6	4/16/2014	14:06:30	14.88	9.5							
run6	4/16/2014	14:06:45	15.11	9.7							
run6	4/16/2014	14:07:00	15.14	9.8							
run6	4/16/2014	14:07:15	15.15	9.9							
run6	4/16/2014	14:07:30	15.15	9.9							
run6	4/16/2014	14:07:45	15.15	9.9							
run6	4/16/2014	14:08:00	15.15	9.9							
run6	4/16/2014	14:08:15	15.15	9.9							
run6	4/16/2014	14:08:30	15.15	10.0							
run6	4/16/2014	14:08:45	15.15	10.0							
run6	4/16/2014	14:09:00	15.15	10.0							
run6	4/16/2014	14:09:15	15.15	10.0							
run6	4/16/2014	14:09:30	15.15	10.0							
run6	4/16/2014	14:09:45	15.15	10.0							
run6	4/16/2014	14:10:00	15.15	10.0							
run6	4/16/2014	14:10:15	15.16	10.0							
run6	4/16/2014	14:10:30	15.16	10.0							
run6	4/16/2014	14:10:45	15.16	10.0							
run6	4/16/2014	14:11:00	15.16	10.1							
run6	4/16/2014	14:11:15	15.16	10.1							
run6	4/16/2014	14:11:30	15.16	10.1							
run6	4/16/2014	14:11:45	15.16	10.0							
run6	4/16/2014	14:12:00	15.16	10.0							
run6	4/16/2014	14:12:15	15.16	10.0							
run6	4/16/2014	14:12:30	15.16	10.0							
run6	4/16/2014	14:12:45	15.16	10.0							
run6	4/16/2014	14:13:00	15.16	9.9							
run6	4/16/2014	14:13:15	15.17	9.9							
run6	4/16/2014	14:13:30	15.17	9.9							
run6	4/16/2014	14:13:45	15.17	9.9							
run6	4/16/2014	14:14:00	15.17	9.9							
run6	4/16/2014	14:14:15	15.16	9.9							
run6	4/16/2014	14:14:30	15.17	10.0							
run6	4/16/2014	14:14:45	15.17	10.0							
run6	4/16/2014	14:15:00	15.16	10.1							
run6	4/16/2014	14:15:15	15.16	10.1							
run6	4/16/2014	14:15:30	15.16	10.1							
run6	4/16/2014	14:15:45	15.16	10.1							
run6	4/16/2014	14:16:00	15.16	10.2							
run6	4/16/2014	14:16:15	15.16	10.2							
run6	4/16/2014	14:16:30	15.16	10.2							
run6	4/16/2014	14:16:45	15.16	10.2							
run6	4/16/2014	14:17:00	15.15	10.2							
run6	4/16/2014	14:17:15	15.16	10.2							
run6	4/16/2014	14:17:30	15.16	10.1							
run6	4/16/2014	14:17:45	15.16	10.1							
run6	4/16/2014	14:18:00	15.17	10.2							
run6	4/16/2014	14:18:15	15.17	10.3							
run6	4/16/2014	14:18:30	15.17	10.2							
run6	4/16/2014	14:18:45	15.16	10.2							
run6	4/16/2014	14:19:00	15.17	10.1							
run6	4/16/2014	14:19:15	15.16	10.1							
run6	4/16/2014	14:19:30	15.16	10.1							
run6	4/16/2014	14:19:45	15.17	10.1							
run6	4/16/2014	14:20:00	15.17	10.0							
run6	4/16/2014	14:20:15	15.17	10.0							
run6	4/16/2014	14:20:30	15.17	10.0							
run6	4/16/2014	14:20:45	15.17	10.0							
run6	4/16/2014	14:21:00	15.17	10.0							
run6	4/16/2014	14:21:15	15.17	10.0							
run6	4/16/2014	14:21:30	15.17	10.0							
run6	4/16/2014	14:21:45	15.17	10.1							
run6	4/16/2014	14:22:00	15.17	10.2							
run6	4/16/2014	14:22:15	15.17	10.3							
run6	4/16/2014	14:22:30	15.17	10.4							
run6	4/16/2014	14:22:45	15.16	10.4							
run6	4/16/2014	14:23:00	15.16	10.4							
run6	4/16/2014	14:23:15	15.16	10.4							
run6	4/16/2014	14:23:30	15.15	10.3							
run6	4/16/2014	14:23:45	15.16	10.3							
run6	4/16/2014	14:24:00	15.17	10.2							
run6	4/16/2014	14:24:15	15.17	10.2							

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
run6	4/16/2014	14:24:30	15.16	10.2							
run6	4/16/2014	14:24:45	15.16	10.2							
run6	4/16/2014	14:25:00	15.16	10.2							
run6	4/16/2014	14:25:15	15.16	10.2							
run6	4/16/2014	14:25:30	15.16	10.3							
run6	4/16/2014	14:25:45	15.16	10.2							
run6	4/16/2014	14:26:00	15.15	10.2							
run6	4/16/2014	14:26:15	15.16	10.2							
run6	4/16/2014	14:26:30	15.16	10.2							
run6	4/16/2014	14:26:45	15.16	10.1							
run6	4/16/2014	14:27:00	15.16	10.1							
run6	4/16/2014	14:27:15	15.16	10.1							
run6	4/16/2014	14:27:30	15.16	10.0							
run6	4/16/2014	14:27:45	15.16	10.0							
averun6	4/16/2014	14:07:00	15.16	10.1	21						
scg4	4/16/2014	14:28:00	15.17	10.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:28:15	15.16	10.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:28:30	15.16	10.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:28:45	15.16	10.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:00	15.16	9.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:15	14.64	9.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:30	8.93	16.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:45	2.57	18.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:00	0.38	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:15	0.11	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:30	0.07	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:45	0.06	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:31:00	0.05	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:31:15	0.04	19.4	CC410976/cg4	NOx	19.63	0	0	0	
noxspan1	4/16/2014	14:31:15	0.04	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	14:31:30	0.04	19.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:31:45	0.03	19.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:32:00	0.02	19.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:32:15	0.02	19.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:32:30	0.02	19.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:32:45	0.08	16.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:33:00	2.53	3.8	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:33:15	6.73	1.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:33:30	9.12	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:33:45	9.81	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	14:34:00	9.91	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
o2span1	4/16/2014	14:34:00	9.91	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg1	4/16/2014	14:34:15	9.92	0.4	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:34:30	9.93	0.4	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:34:45	9.93	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:35:00	9.94	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:35:15	9.94	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:35:30	9.91	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:35:45	7.80	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:36:00	3.45	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:36:15	0.76	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:36:30	0.12	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	14:36:45	0.05	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
o2zero1	4/16/2014	14:36:45	0.05	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
noxzero1	4/16/2014	14:36:45	0.05	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
run7	4/16/2014	14:38:30	3.73	7.6							
run7	4/16/2014	14:38:45	10.51	8.9							
run7	4/16/2014	14:39:00	14.17	9.2							
run7	4/16/2014	14:39:15	14.95	9.4							
run7	4/16/2014	14:39:30	15.07	9.4							
run7	4/16/2014	14:39:45	15.12	9.4							
run7	4/16/2014	14:40:00	15.13	9.5							
run7	4/16/2014	14:40:15	15.14	9.5							
run7	4/16/2014	14:40:30	15.16	9.5							
run7	4/16/2014	14:40:45	15.15	9.5							
run7	4/16/2014	14:41:00	15.15	9.5							
run7	4/16/2014	14:41:15	15.16	9.6							
run7	4/16/2014	14:41:30	15.15	9.6							
run7	4/16/2014	14:41:45	15.15	9.6							
run7	4/16/2014	14:42:00	15.15	9.6							
run7	4/16/2014	14:42:15	15.15	9.6							
run7	4/16/2014	14:42:30	15.16	9.7							
run7	4/16/2014	14:42:45	15.15	9.7							
run7	4/16/2014	14:43:00	15.15	9.7							
run7	4/16/2014	14:43:15	15.15	9.7							
run7	4/16/2014	14:43:30	15.15	9.7							
run7	4/16/2014	14:43:45	15.15	9.7							
run7	4/16/2014	14:44:00	15.15	9.7							
run7	4/16/2014	14:44:15	15.15	9.7							
run7	4/16/2014	14:44:30	15.15	9.7							
run7	4/16/2014	14:44:45	15.15	9.7							
run7	4/16/2014	14:45:00	15.15	9.8							
run7	4/16/2014	14:45:15	15.15	9.8							
run7	4/16/2014	14:45:30	15.15	9.9							
run7	4/16/2014	14:45:45	15.15	9.9							
run7	4/16/2014	14:46:00	15.15	10.0							
run7	4/16/2014	14:46:15	15.15	10.0							
run7	4/16/2014	14:46:30	15.15	10.0							
run7	4/16/2014	14:46:45	15.15	9.9							
run7	4/16/2014	14:47:00	15.15	9.9							
run7	4/16/2014	14:47:15	15.15	9.9							
run7	4/16/2014	14:47:30	15.15	9.9							
run7	4/16/2014	14:47:45	15.15	9.9							
run7	4/16/2014	14:48:00	15.15	9.9							
run7	4/16/2014	14:48:15	15.15	9.9							
run7	4/16/2014	14:48:30	15.15	9.9							
run7	4/16/2014	14:48:45	15.15	9.9							
run7	4/16/2014	14:49:00	15.15	10.0							
run7	4/16/2014	14:49:15	15.14	10.0							
run7	4/16/2014	14:49:30	15.15	10.0							
run7	4/16/2014	14:49:45	15.15	10.0							

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
run7	4/16/2014	14:50:00	15.15	10.1							
run7	4/16/2014	14:50:15	15.15	10.2							
run7	4/16/2014	14:50:30	15.15	10.3							
run7	4/16/2014	14:50:45	15.15	10.4							
run7	4/16/2014	14:51:00	15.15	10.6							
run7	4/16/2014	14:51:15	15.15	10.7							
run7	4/16/2014	14:51:30	15.15	10.8							
run7	4/16/2014	14:51:45	15.15	10.8							
run7	4/16/2014	14:52:00	15.15	10.8							
run7	4/16/2014	14:52:15	15.15	10.7							
run7	4/16/2014	14:52:30	15.15	10.7							
run7	4/16/2014	14:52:45	15.15	10.6							
run7	4/16/2014	14:53:00	15.15	10.6							
run7	4/16/2014	14:53:15	15.15	10.6							
run7	4/16/2014	14:53:30	15.15	10.5							
run7	4/16/2014	14:53:45	15.15	10.4							
run7	4/16/2014	14:54:00	15.15	10.3							
run7	4/16/2014	14:54:15	15.15	10.2							
run7	4/16/2014	14:54:30	15.15	10.2							
run7	4/16/2014	14:54:45	15.15	10.1							
run7	4/16/2014	14:55:00	15.15	10.1							
run7	4/16/2014	14:55:15	15.15	10.2							
run7	4/16/2014	14:55:30	15.15	10.2							
run7	4/16/2014	14:55:45	15.15	10.3							
run7	4/16/2014	14:56:00	15.15	10.2							
run7	4/16/2014	14:56:15	15.15	10.2							
run7	4/16/2014	14:56:30	15.15	10.1							
run7	4/16/2014	14:56:45	15.15	10.1							
run7	4/16/2014	14:57:00	15.15	10.1							
run7	4/16/2014	14:57:15	15.15	10.1							
run7	4/16/2014	14:57:30	15.15	10.0							
run7	4/16/2014	14:57:45	15.15	10.0							
run7	4/16/2014	14:58:00	15.15	10.0							
run7	4/16/2014	14:58:15	15.15	10.0							
run7	4/16/2014	14:58:30	15.16	10.0							
run7	4/16/2014	14:58:45	15.16	10.0							
run7	4/16/2014	14:59:00	15.15	10.1							
run7	4/16/2014	14:59:15	15.15	10.1							
run7	4/16/2014	14:59:30	15.15	10.1							
run7	4/16/2014	14:59:45	15.16	10.1							
run7	4/16/2014	15:00:00	15.15	10.1							
run7	4/16/2014	15:00:15	15.16	10.1							
run7	4/16/2014	15:00:30	15.15	10.2							
run7	4/16/2014	15:00:45	15.15	10.2							
averun7	4/16/2014	14:40:00	15.15	10.0	21						
scg4	4/16/2014	15:01:00	15.15	10.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:01:15	15.15	10.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:01:30	15.15	10.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:01:45	15.15	10.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:02:00	15.15	10.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:02:15	15.10	9.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:02:30	11.88	13.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:02:45	4.55	18.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:03:00	0.82	19.1	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:03:15	0.17	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:03:30	0.08	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:03:45	0.06	19.4	CC410976/cg4	NOx	19.63	0	0	0	
noxspan1	4/16/2014	15:03:45	0.06	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	15:04:00	0.05	19.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:04:15	0.04	19.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:04:30	0.04	19.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:04:45	0.03	19.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:05:00	0.03	19.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:05:15	0.16	14.6	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:05:30	3.05	3.1	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:05:45	7.11	0.9	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:06:00	9.27	0.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:06:15	9.83	0.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:06:30	9.91	0.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:06:45	9.92	0.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
o2span1	4/16/2014	15:06:45	9.92	0.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg1	4/16/2014	15:07:00	9.93	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:07:15	9.93	0.4	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:07:30	9.94	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:07:45	9.93	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:08:00	9.94	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:08:15	9.94	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:08:30	9.06	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:08:45	4.86	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:09:00	1.43	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:09:15	0.23	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	15:09:30	0.06	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
o2zero1	4/16/2014	15:09:30	0.06	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
noxzero1	4/16/2014	15:09:30	0.06	0.3	CC318830/cg1	NOx	0	O2 0	0	0	
run8	4/16/2014	15:11:15	3.41	7.4							
run8	4/16/2014	15:11:30	10.21	9.5							
run8	4/16/2014	15:11:45	14.06	9.7							
run8	4/16/2014	15:12:00	14.93	9.7							
run8	4/16/2014	15:12:15	15.06	9.7							
run8	4/16/2014	15:12:30	15.10	9.8							
run8	4/16/2014	15:12:45	15.12	9.8							
run8	4/16/2014	15:13:00	15.14	9.8							
run8	4/16/2014	15:13:15	15.15	9.7							
run8	4/16/2014	15:13:30	15.15	9.7							
run8	4/16/2014	15:13:45	15.15	9.7							
run8	4/16/2014	15:14:00	15.15	9.7							
run8	4/16/2014	15:14:15	15.16	9.7							
run8	4/16/2014	15:14:30	15.16	9.7							
run8	4/16/2014	15:14:45	15.16	9.7							
run8	4/16/2014	15:15:00	15.16	9.8							
run8	4/16/2014	15:15:15	15.15	9.8							

name			8-O2	8-NOx						
sn			01420D/3379	1200951382						
offset			0	0						
fullscale			25	50						
train			1	1						
gastype			o2 3a	nox 7e						
run8	4/16/2014	15:15:30	15.15	9.9						
run8	4/16/2014	15:15:45	15.15	9.9						
run8	4/16/2014	15:16:00	15.15	9.9						
run8	4/16/2014	15:16:15	15.15	9.9						
run8	4/16/2014	15:16:30	15.15	9.9						
run8	4/16/2014	15:16:45	15.15	9.9						
run8	4/16/2014	15:17:00	15.14	9.9						
run8	4/16/2014	15:17:15	15.15	9.9						
run8	4/16/2014	15:17:30	15.15	10.0						
run8	4/16/2014	15:17:45	15.15	10.2						
run8	4/16/2014	15:18:00	15.15	10.2						
run8	4/16/2014	15:18:15	15.15	10.1						
run8	4/16/2014	15:18:30	15.15	10.0						
run8	4/16/2014	15:18:45	15.15	10.0						
run8	4/16/2014	15:19:00	15.15	10.0						
run8	4/16/2014	15:19:15	15.15	10.0						
run8	4/16/2014	15:19:30	15.15	9.9						
run8	4/16/2014	15:19:45	15.14	9.9						
run8	4/16/2014	15:20:00	15.15	9.9						
run8	4/16/2014	15:20:15	15.14	9.9						
run8	4/16/2014	15:20:30	15.14	9.9						
run8	4/16/2014	15:20:45	15.15	9.8						
run8	4/16/2014	15:21:00	15.15	9.9						
run8	4/16/2014	15:21:15	15.15	10.0						
run8	4/16/2014	15:21:30	15.15	10.1						
run8	4/16/2014	15:21:45	15.15	10.2						
run8	4/16/2014	15:22:00	15.14	10.2						
run8	4/16/2014	15:22:15	15.14	10.2						
run8	4/16/2014	15:22:30	15.15	10.2						
run8	4/16/2014	15:22:45	15.14	10.2						
run8	4/16/2014	15:23:00	15.15	10.2						
run8	4/16/2014	15:23:15	15.15	10.2						
run8	4/16/2014	15:23:30	15.15	10.2						
run8	4/16/2014	15:23:45	15.15	10.2						
run8	4/16/2014	15:24:00	15.15	10.2						
run8	4/16/2014	15:24:15	15.15	10.2						
run8	4/16/2014	15:24:30	15.15	10.2						
run8	4/16/2014	15:24:45	15.15	10.2						
run8	4/16/2014	15:25:00	15.14	10.2						
run8	4/16/2014	15:25:15	15.15	10.2						
run8	4/16/2014	15:25:30	15.15	10.2						
run8	4/16/2014	15:25:45	15.15	10.2						
run8	4/16/2014	15:26:00	15.15	10.1						
run8	4/16/2014	15:26:15	15.15	10.1						
run8	4/16/2014	15:26:30	15.15	10.1						
run8	4/16/2014	15:26:45	15.15	10.0						
run8	4/16/2014	15:27:00	15.15	10.0						
run8	4/16/2014	15:27:15	15.15	10.0						
run8	4/16/2014	15:27:30	15.15	10.1						
run8	4/16/2014	15:27:45	15.15	10.1						
run8	4/16/2014	15:28:00	15.15	10.1						
run8	4/16/2014	15:28:15	15.15	10.1						
run8	4/16/2014	15:28:30	15.15	10.1						
run8	4/16/2014	15:28:45	15.15	10.2						
run8	4/16/2014	15:29:00	15.15	10.2						
run8	4/16/2014	15:29:15	15.15	10.2						
run8	4/16/2014	15:29:30	15.15	10.2						
run8	4/16/2014	15:29:45	15.15	10.2						
run8	4/16/2014	15:30:00	15.15	10.2						
run8	4/16/2014	15:30:15	15.15	10.2						
run8	4/16/2014	15:30:30	15.14	10.3						
run8	4/16/2014	15:30:45	15.14	10.3						
run8	4/16/2014	15:31:00	15.14	10.3						
run8	4/16/2014	15:31:15	15.14	10.3						
run8	4/16/2014	15:31:30	15.14	10.3						
run8	4/16/2014	15:31:45	15.14	10.3						
run8	4/16/2014	15:32:00	15.14	10.2						
run8	4/16/2014	15:32:15	15.14	10.3						
run8	4/16/2014	15:32:30	15.14	10.3						
run8	4/16/2014	15:32:45	15.14	10.2						
run8	4/16/2014	15:33:00	15.15	10.2						
run8	4/16/2014	15:33:15	15.15	10.2						
run8	4/16/2014	15:33:30	15.15	10.2						
run8	4/16/2014	15:33:45	15.15	10.1						
run8	4/16/2014	15:34:00	15.15	10.1						
averun8	4/16/2014	15:13:00	15.15	10.1	21					
scg4	4/16/2014	15:34:15	15.15	10.1	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:34:30	15.15	10.1	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:34:45	15.15	10.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:35:00	15.15	10.1	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:35:15	15.15	9.8	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:35:30	14.08	10.5	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:35:45	7.62	16.8	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:36:00	1.83	19.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:36:15	0.27	19.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:36:30	0.09	19.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:36:45	0.06	19.3	CC410976/cg4	NOx	19.63	0	0	0
noxspan1	4/16/2014	15:36:45	0.06	19.3	CC410976/cg4	NOx	19.63	0	0	0
scg2	4/16/2014	15:37:00	0.05	19.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:37:15	0.04	19.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:37:30	0.03	19.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:37:45	0.03	19.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:38:00	0.02	19.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:38:15	0.14	14.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:38:30	2.90	3.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:38:45	6.95	0.8	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:39:00	9.25	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:39:15	9.83	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:39:30	9.90	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span1	4/16/2014	15:39:30	9.90	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg1	4/16/2014	15:39:45	9.92	0.4	CC318830/cg1	NOx	0 O2	0	0	0

name			8-O2	8-NOx							
sn			01420D/3379	1200951382							
offset			0	0							
fullscale			25	50							
train			1	1							
gastype			o2 3a	nox 7e							
scg1	4/16/2014	15:40:00	9.93	0.4	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:40:15	9.93	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:40:30	9.93	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:40:45	9.94	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:41:00	9.91	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:41:15	7.83	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:41:30	3.53	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:41:45	0.86	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	15:42:00	0.14	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
o2zero1	4/16/2014	15:42:00	0.14	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
noxzero1	4/16/2014	15:42:00	0.14	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
run0	4/16/2014	15:43:30	0.04	2.0							
run0	4/16/2014	15:43:45	2.98	6.8							
run0	4/16/2014	15:44:00	9.89	9.0							
run0	4/16/2014	15:44:15	13.99	9.3							
run0	4/16/2014	15:44:30	14.92	9.4							
run0	4/16/2014	15:44:45	15.04	9.5							
run0	4/16/2014	15:45:00	15.10	9.5							
run0	4/16/2014	15:45:15	15.13	9.6							
run0	4/16/2014	15:45:30	15.14	9.6							
run9	4/16/2014	15:47:45	15.15	10.0							
run9	4/16/2014	15:48:00	15.15	10.0							
run9	4/16/2014	15:48:15	15.15	10.0							
run9	4/16/2014	15:48:30	15.15	10.0							
run9	4/16/2014	15:48:45	15.15	10.0							
run9	4/16/2014	15:49:00	15.14	10.0							
run9	4/16/2014	15:49:15	15.15	10.0							
run9	4/16/2014	15:49:30	15.15	9.9							
run9	4/16/2014	15:49:45	15.14	9.9							
run9	4/16/2014	15:50:00	15.15	9.8							
run9	4/16/2014	15:50:15	15.15	9.9							
run9	4/16/2014	15:50:30	15.15	9.9							
run9	4/16/2014	15:50:45	15.15	10.0							
run9	4/16/2014	15:51:00	15.15	10.0							
run9	4/16/2014	15:51:15	15.15	10.0							
run9	4/16/2014	15:51:30	15.15	10.0							
run9	4/16/2014	15:51:45	15.15	10.0							
run9	4/16/2014	15:52:00	15.15	10.0							
run9	4/16/2014	15:52:15	15.15	10.0							
run9	4/16/2014	15:52:30	15.15	10.0							
run9	4/16/2014	15:52:45	15.14	9.9							
run9	4/16/2014	15:53:00	15.15	9.9							
run9	4/16/2014	15:53:15	15.14	9.8							
run9	4/16/2014	15:53:30	15.14	9.9							
run9	4/16/2014	15:53:45	15.14	9.9							
run9	4/16/2014	15:54:00	15.14	10.0							
run9	4/16/2014	15:54:15	15.14	10.0							
run9	4/16/2014	15:54:30	15.14	10.0							
run9	4/16/2014	15:54:45	15.15	10.0							
run9	4/16/2014	15:55:00	15.15	10.1							
run9	4/16/2014	15:55:15	15.15	10.1							
run9	4/16/2014	15:55:30	15.15	10.1							
run9	4/16/2014	15:55:45	15.15	10.0							
run9	4/16/2014	15:56:00	15.15	10.0							
run9	4/16/2014	15:56:15	15.15	10.0							
run9	4/16/2014	15:56:30	15.15	10.0							
run9	4/16/2014	15:56:45	15.15	10.0							
run9	4/16/2014	15:57:00	15.15	10.0							
run9	4/16/2014	15:57:15	15.15	10.1							
run9	4/16/2014	15:57:30	15.15	10.1							
run9	4/16/2014	15:57:45	15.15	10.1							
run9	4/16/2014	15:58:00	15.15	10.1							
run9	4/16/2014	15:58:15	15.15	10.1							
run9	4/16/2014	15:58:30	15.15	10.0							
run9	4/16/2014	15:58:45	15.15	10.0							
run9	4/16/2014	15:59:00	15.15	9.9							
run9	4/16/2014	15:59:15	15.15	9.9							
run9	4/16/2014	15:59:30	15.15	9.9							
run9	4/16/2014	15:59:45	15.15	10.0							
run9	4/16/2014	16:00:00	15.15	10.0							
run9	4/16/2014	16:00:15	15.15	10.0							
run9	4/16/2014	16:00:30	15.15	10.0							
run9	4/16/2014	16:00:45	15.14	10.0							
run9	4/16/2014	16:01:00	15.14	10.1							
run9	4/16/2014	16:01:15	15.14	10.1							
run9	4/16/2014	16:01:30	15.14	10.2							
run9	4/16/2014	16:01:45	15.15	10.2							
run9	4/16/2014	16:02:00	15.14	10.2							
run9	4/16/2014	16:02:15	15.15	10.2							
run9	4/16/2014	16:02:30	15.15	10.1							
run9	4/16/2014	16:02:45	15.15	10.2							
run9	4/16/2014	16:03:00	15.15	10.3							
run9	4/16/2014	16:03:15	15.15	10.3							
run9	4/16/2014	16:03:30	15.15	10.3							
run9	4/16/2014	16:03:45	15.15	10.4							
run9	4/16/2014	16:04:00	15.15	10.4							
run9	4/16/2014	16:04:15	15.15	10.4							
run9	4/16/2014	16:04:30	15.15	10.4							
run9	4/16/2014	16:04:45	15.15	10.3							
run9	4/16/2014	16:05:00	15.15	10.3							
run9	4/16/2014	16:05:15	15.15	10.2							
run9	4/16/2014	16:05:30	15.15	10.2							
run9	4/16/2014	16:05:45	15.14	10.1							
run9	4/16/2014	16:06:00	15.15	10.1							
run9	4/16/2014	16:06:15	15.15	10.0							
run9	4/16/2014	16:06:30	15.15	10.1							
run9	4/16/2014	16:06:45	15.15	10.1							
run9	4/16/2014	16:07:00	15.15	10.1							
run9	4/16/2014	16:07:15	15.14	10.1							
run9	4/16/2014	16:07:30	15.15	10.2							
run9	4/16/2014	16:07:45	15.15	10.2							

name			8-O2	8-NOx								
sn			01420D/3379	1200951382								
offset			0	0								
fullscale			25	50								
train			1	1								
gastype			o2 3a	nox 7e								
run9	4/16/2014	16:08:00	15.15	10.2								
run9	4/16/2014	16:08:15	15.15	10.1								
run9	4/16/2014	16:08:30	15.15	10.1								
run9	4/16/2014	16:08:45	15.15	10.0								
averun9	4/16/2014	15:48:00	15.15	10.1	21							
scg4	4/16/2014	16:09:00	15.15	10.0	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:09:15	15.15	10.0	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:09:30	15.15	10.1	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:09:45	15.15	10.1	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:00	15.15	9.7	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:15	14.58	9.6	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:30	8.87	16.6	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:45	2.55	18.8	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:11:00	0.39	19.2	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:11:15	0.11	19.3	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:11:30	0.07	19.3	CC410976/cg4	NOx	19.63		0	0	0	
noxspan1	4/16/2014	16:11:15	0.11	19.3	CC410976/cg4	NOx	19.63		0	0	0	
scg2	4/16/2014	16:11:45	0.05	19.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:00	0.04	19.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:15	0.04	19.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:30	0.02	19.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:45	0.03	19.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:00	0.21	12.9	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:15	3.33	3.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:30	7.32	0.7	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:45	9.34	0.5	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:14:00	9.83	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:14:15	9.91	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
o2span1	4/16/2014	16:14:15	9.91	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg1	4/16/2014	16:14:30	9.92	0.4	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:14:45	9.93	0.4	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:00	9.93	0.4	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:15	9.93	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:30	9.94	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:45	9.86	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:00	7.40	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:15	3.15	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:30	0.69	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:45	0.11	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:17:00	0.05	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:17:15	0.03	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
o2zero1	4/16/2014	16:17:15	0.03	0.3	CC318830/cg1	NOx	0	O2	0	0	0	
noxzero1	4/16/2014	16:17:15	0.03	0.3	CC318830/cg1	NOx	0	O2	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 2

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 1

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.13 %	0.24 %	0.19
10.03 percent O_2	10.11 %	10.11 %	10.11
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.23
19.6 ppm NO_X	19.4 ppm	19.4 ppm	19.39

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.31 percent O_2	**15.30** percent O_2	DRY
12.8 ppm NO_X	**12.9** ppm NO_X	DRY

Emission Calculations:

0.0500 NO_X Lbs/mmBtu from O_2

13.6 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.00 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 2

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.24 %	0.26 %	0.25
10.03 percent O_2	10.11 %	10.15 %	10.13
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.22
19.6 ppm NO_X	19.4 ppm	19.4 ppm	19.40

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.34 percent O_2	**15.30** percent O_2	DRY
12.5 ppm NO_X	**12.6** ppm NO_X	DRY

Emission Calculations:

0.0490 NO_X Lbs/mmBtu from O_2

13.3 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 3

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.26 %	0.32 %	0.29
10.03 percent O_2	10.15 %	10.18 %	10.17
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.19
19.6 ppm NO_X	19.4 ppm	19.4 ppm	19.41

Mean Reference Values:
15.34 percent O_2
12.4 ppm NO_X

Corrected Results: **Basis:**
15.30 percent O_2 DRY
12.5 ppm NO_X DRY

Emission Calculations:
0.0490 NO_X Lbs/mmBtu from O_2

13.2 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 4

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.32 %	0.27 %	0.29
10.03 percent O_2	10.18 %	10.16 %	10.17
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.17
19.6 ppm NO_X	19.4 ppm	19.4 ppm	19.38

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.33 percent O_2	**15.30** percent O_2	DRY
12.5 ppm NO_X	**12.6** ppm NO_X	DRY

Emission Calculations:

0.0490 NO_X Lbs/mmBtu from O_2

13.3 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 5

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.27 %	0.20 %	0.23
10.03 percent O_2	10.16 %	10.12 %	10.14
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.17
19.6 ppm NO_X	19.4 ppm	19.3 ppm	19.34

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.31 percent O_2	**15.30** percent O_2	DRY
12.4 ppm NO_X	**12.5** ppm NO_X	DRY

Emission Calculations:

0.0490 NO_X Lbs/mmBtu from O_2

13.2 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 6

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.20 %	0.15 %	0.17
10.03 percent O_2	10.12 %	10.07 %	10.09
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.16
19.6 ppm NO_X	19.3 ppm	19.2 ppm	19.26

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.26 percent O_2	**15.30** percent O_2	DRY
12.5 ppm NO_X	**12.7** ppm NO_X	DRY

Emission Calculations:

0.0490 NO_X Lbs/mmBtu from O_2

13.4 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 7

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.15 %	0.10 %	0.13
10.03 percent O_2	10.07 %	10.06 %	10.07
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.16
19.6 ppm NO_X	19.2 ppm	19.2 ppm	19.22

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.23 percent O_2	**15.20** percent O_2	DRY
12.7 ppm NO_X	**12.9** ppm NO_X	DRY

Emission Calculations:

0.0490 NO_X Lbs/mmBtu from O_2

13.4 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 8

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.10 %	0.10 %	0.10
10.03 percent O_2	10.06 %	10.06 %	10.06
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.17
19.6 ppm NO_X	19.2 ppm	19.2 ppm	19.24

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.23 percent O_2	**15.20** percent O_2	DRY
12.7 ppm NO_X	**12.9** ppm NO_X	DRY

Emission Calculations:

0.0490 NO_X Lbs/mmBtu from O_2

13.4 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Co-Gen
Unit 2
GAS RATA
Date:4/16/14

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
34442
Run 9

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.10 %	0.12 %	0.11
10.03 percent O_2	10.06 %	10.06 %	10.06
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.17
19.6 ppm NO_X	19.2 ppm	19.2 ppm	19.23

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.22 percent O_2	**15.20** percent O_2	DRY
12.7 ppm NO_X	**12.9** ppm NO_X	DRY

Emission Calculations:

0.0490 NO_X Lbs/mmBtu from O_2

13.4 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

filename		4/16/2014	8:21:42								
testby1	C.E.M. Solutions Inc.										
testby2	1183 E. Overdrive Circle.										
testby3	Hernando, FL										
testby4	34442										
testfor1	Northernstar										
testfor2	Orange Co-Gen										
testfor3	Unit 2										
testfor4	GAS RATA										
name				9-O2	9-NOx						
sn				1420C/2784	1016942787						
offset				0	0						
fullscale				100	50						
train				2	2						
gastype				o2 3a	nox 7e						
dcg1		4/16/2014	8:22:30	21.02	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:22:45	7.12	0.4	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:23:00	0.59	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:23:15	0.54	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:23:30	0.53	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:23:45	0.52	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:24:00	0.52	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:24:15	0.51	-0.1	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:24:30	0.51	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:24:45	-0.15	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg1		4/16/2014	8:25:00	0.05	0.0	CC318830/cg1	NOx	0 O2	0	0	0
o2ezero2		4/16/2014	8:25:00	0.05	0.0	CC318830/cg1	NOx	0 O2	0	0	0
noxezero2		4/16/2014	8:24:45	-0.15	0.0	CC318830/cg1	NOx	0 O2	0	0	0
dcg3		4/16/2014	8:25:15	0.03	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:25:30	11.19	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:25:45	20.37	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:26:00	20.54	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:26:15	20.56	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:26:30	20.54	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:26:45	20.57	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:27:00	20.57	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:27:15	20.58	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:27:30	20.57	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:27:45	20.59	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:28:00	20.57	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:28:15	20.64	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:28:30	20.73	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg3		4/16/2014	8:28:45	20.80	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
o2high2		4/16/2014	8:28:45	20.80	0.0	CC418821/cg3	O2	20.77 CO2	19.69	0	0
dcg6		4/16/2014	8:29:00	20.80	0.0	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:29:15	11.40	0.8	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:29:30	0.44	16.0	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:29:45	0.23	40.9	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:30:00	0.24	47.6	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:30:15	0.22	47.7	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:30:30	0.22	47.6	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:30:45	0.22	47.6	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:31:00	0.22	47.5	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:31:15	0.22	47.3	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:31:30	0.21	46.5	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:31:45	0.18	46.5	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:32:00	0.18	46.5	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:32:15	0.20	46.5	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:32:30	0.20	46.4	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:32:45	0.18	46.4	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:33:00	0.20	46.3	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:33:15	0.20	46.5	CC365573/cg6	NOx	46.33	0	0	0
dcg6		4/16/2014	8:33:30	0.19	46.5	CC365573/cg6	NOx	46.33	0	0	0
noxhigh2		4/16/2014	8:33:30	0.19	46.5	CC365573/cg6	NOx	46.33	0	0	0
dcg2		4/16/2014	8:33:45	0.17	46.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg2		4/16/2014	8:34:00	5.84	39.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg2		4/16/2014	8:34:15	10.10	6.8	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg2		4/16/2014	8:34:30	10.14	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg2		4/16/2014	8:34:45	10.16	0.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg2		4/16/2014	8:35:00	10.16	0.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg2		4/16/2014	8:35:15	10.16	0.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg2		4/16/2014	8:35:30	10.16	0.1	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2mid2		4/16/2014	8:35:30	10.16	0.1	CC426888/cg2	O2	10.03 CO2	9.624	0	0
dcg4		4/16/2014	8:35:45	10.16	0.1	CC410976/cg4	NOx	19.63	0	0	0
dcg4		4/16/2014	8:36:00	8.83	0.4	CC410976/cg4	NOx	19.63	0	0	0
dcg4		4/16/2014	8:36:15	0.80	3.9	CC410976/cg4	NOx	19.63	0	0	0
dcg4		4/16/2014	8:36:30	0.20	10.8	CC410976/cg4	NOx	19.63	0	0	0
dcg4		4/16/2014	8:36:45	0.20	18.7	CC410976/cg4	NOx	19.63	0	0	0
dcg4		4/16/2014	8:37:00	0.19	18.9	CC410976/cg4	NOx	19.63	0	0	0
dcg4		4/16/2014	8:37:15	0.19	18.9	CC410976/cg4	NOx	19.63	0	0	0
dcg4		4/16/2014	8:37:30	0.18	18.9	CC410976/cg4	NOx	19.63	0	0	0
noxmid2		4/16/2014	8:37:30	0.18	18.9	CC410976/cg4	NOx	19.63	0	0	0
scg1		4/16/2014	8:38:15	18.48	11.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:38:30	20.89	0.9	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:38:45	20.89	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:39:00	20.68	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:39:15	10.81	1.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:39:30	1.46	2.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:39:45	0.34	0.4	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:40:00	0.26	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:40:15	0.20	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:40:30	0.24	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:40:45	0.23	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:41:00	0.22	0.1	CC318830/cg1	NOx	0 O2	0	0	0
o2zero2		4/16/2014	8:40:45	0.23	0.2	CC318830/cg1	NOx	0 O2	0	0	0
noxzero2		4/16/2014	8:41:00	0.22	0.1	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:43:30	20.81	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:43:45	20.82	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:44:00	20.83	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:44:15	20.80	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:44:30	12.57	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:44:45	1.79	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:45:00	0.34	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg1		4/16/2014	8:45:15	0.24	0.0	CC318830/cg1	NOx	0 O2	0	0	0
scg4		4/16/2014	8:45:30	0.18	0.0	CC410976/cg4	NOx	19.63	0	0	0
scg4		4/16/2014	8:45:45	0.22	0.0	CC410976/cg4	NOx	19.63	0	0	0
scg4		4/16/2014	8:46:00	0.22	0.0	CC410976/cg4	NOx	19.63	0	0	0

name			9-O2	9-NOx						
sn			1420C/2784	1016942787						
offset			0	0						
fullscale			100	50						
train			2	2						
gastype			o2 3a	nox 7e						
scg4	4/16/2014	8:46:15	0.21	0.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:46:30	0.18	-0.1	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:46:45	0.18	0.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:47:00	0.20	9.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:47:15	0.20	17.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:47:30	0.18	18.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:47:45	0.20	18.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:48:00	0.19	18.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:48:15	0.15	18.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:48:30	0.17	18.7	CC410976/cg4	NOx	19.63	0	0	0
noxspan2	4/16/2014	8:48:30	0.17	18.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:51:00	20.79	0.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:51:15	20.80	0.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:51:30	20.80	0.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:51:45	20.81	0.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:52:00	16.06	0.9	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:52:15	3.13	9.4	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:52:30	0.42	17.4	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	8:52:45	0.24	18.5	CC410976/cg4	NOx	19.63	0	0	0
scg2	4/16/2014	8:53:00	0.22	18.6	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:53:15	0.20	18.6	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:53:30	0.21	18.7	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:53:45	0.21	18.6	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:54:00	0.87	18.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:54:15	7.45	12.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:54:30	9.91	1.7	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:54:45	10.11	0.1	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:55:00	10.11	0.1	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:55:15	10.12	0.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:55:30	10.13	0.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:55:45	10.13	0.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:56:00	10.13	0.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	8:56:15	10.13	0.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span2	4/16/2014	8:56:15	10.13	0.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg6	4/16/2014	8:56:45	10.57	0.0	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:57:00	15.58	3.5	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:57:15	20.60	17.4	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:57:30	20.77	25.3	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:57:45	20.90	30.1	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:58:00	20.93	35.3	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:58:15	20.93	36.6	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:58:30	20.93	37.9	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:58:45	20.96	40.5	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:59:00	20.97	42.2	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:59:15	20.97	42.8	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:59:30	20.98	43.2	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	8:59:45	20.98	43.5	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	9:00:00	20.98	43.9	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	9:00:15	20.98	44.1	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	9:00:30	20.99	44.0	CC365573/cg6	NOx	46.33	0	0	0
scg6	4/16/2014	9:00:45	20.99	42.4	CC365573/cg6	NOx	46.33	0	0	0
scg4	4/16/2014	10:47:30	15.28	13.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:47:45	15.28	13.9	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:48:00	15.27	14.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:48:15	15.28	14.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:48:30	11.91	13.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:48:45	2.52	13.1	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:49:00	0.38	18.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:49:15	0.21	19.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:49:30	0.21	19.5	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:49:45	0.17	19.5	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	10:50:00	0.20	19.4	CC410976/cg4	NOx	19.63	0	0	0
noxspan2	4/16/2014	10:50:00	0.20	19.4	CC410976/cg4	NOx	19.63	0	0	0
scg2	4/16/2014	10:50:15	0.20	19.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:50:30	0.18	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:50:45	0.18	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:51:00	0.18	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:51:15	0.52	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:51:30	6.78	14.6	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:51:45	9.85	2.6	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:52:00	10.08	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:52:15	10.10	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:52:30	10.11	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	10:52:45	10.11	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span2	4/16/2014	10:52:45	10.11	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg1	4/16/2014	10:53:00	10.11	0.4	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:53:15	10.11	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:53:30	10.11	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:53:45	10.11	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:54:00	10.10	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:54:15	6.23	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:54:30	0.94	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:54:45	0.20	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:55:00	0.17	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:55:15	0.17	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:55:30	0.16	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	10:55:45	0.13	0.2	CC318830/cg1	NOx	0 O2	0	0	0
o2zero2	4/16/2014	10:55:45	0.13	0.2	CC318830/cg1	NOx	0 O2	0	0	0
noxzero2	4/16/2014	10:55:45	0.13	0.2	CC318830/cg1	NOx	0 O2	0	0	0
run1	4/16/2014	11:20:30	15.30	13.0						
run1	4/16/2014	11:20:45	15.30	12.9						
run1	4/16/2014	11:21:00	15.29	12.9						
run1	4/16/2014	11:21:15	15.29	12.9						
run1	4/16/2014	11:21:30	15.29	13.0						
run1	4/16/2014	11:21:45	15.29	13.0						
run1	4/16/2014	11:22:00	15.29	13.0						
run1	4/16/2014	11:22:15	15.29	13.0						
run1	4/16/2014	11:22:30	15.28	13.0						
run1	4/16/2014	11:22:45	15.27	13.1						
run1	4/16/2014	11:23:00	15.27	13.1						
run1	4/16/2014	11:23:15	15.27	13.1						

name			9-O2	9-NOx							
sn			1420C/2784	1016942787							
offset			0	0							
fullscale			100	50							
train			2	2							
gastype			o2 3a	nox 7e							
run1	4/16/2014	11:23:30	15.29	13.1							
run1	4/16/2014	11:23:45	15.29	13.0							
run1	4/16/2014	11:24:00	15.28	13.1							
run1	4/16/2014	11:24:15	15.27	13.1							
run1	4/16/2014	11:24:30	15.26	13.1							
run1	4/16/2014	11:24:45	15.27	13.1							
run1	4/16/2014	11:25:00	15.28	13.1							
run1	4/16/2014	11:25:15	15.29	13.1							
run1	4/16/2014	11:25:30	15.29	13.1							
run1	4/16/2014	11:25:45	15.28	13.0							
run1	4/16/2014	11:26:00	15.27	12.8							
run1	4/16/2014	11:26:15	15.28	13.0							
run1	4/16/2014	11:26:30	15.26	13.1							
run1	4/16/2014	11:26:45	15.26	13.1							
run1	4/16/2014	11:27:00	15.29	13.1							
run1	4/16/2014	11:27:15	15.28	13.1							
run1	4/16/2014	11:27:30	15.29	13.1							
run1	4/16/2014	11:27:45	15.29	13.1							
run1	4/16/2014	11:28:00	15.29	13.1							
run1	4/16/2014	11:28:15	15.28	13.1							
run1	4/16/2014	11:28:30	15.30	13.1							
run1	4/16/2014	11:28:45	15.31	12.9							
run1	4/16/2014	11:29:00	15.31	12.7							
run1	4/16/2014	11:29:15	15.31	12.7							
run1	4/16/2014	11:29:30	15.32	12.6							
run1	4/16/2014	11:29:45	15.31	12.7							
run1	4/16/2014	11:30:00	15.31	12.7							
run1	4/16/2014	11:30:15	15.28	12.7							
run1	4/16/2014	11:30:30	15.31	12.7							
run1	4/16/2014	11:30:45	15.31	12.7							
run1	4/16/2014	11:31:00	15.31	12.7							
run1	4/16/2014	11:31:15	15.32	12.7							
run1	4/16/2014	11:31:30	15.32	12.6							
run1	4/16/2014	11:31:45	15.29	12.6							
run1	4/16/2014	11:32:00	15.31	12.6							
run1	4/16/2014	11:32:15	15.32	12.7							
run1	4/16/2014	11:32:30	15.32	12.6							
run1	4/16/2014	11:32:45	15.32	12.7							
run1	4/16/2014	11:33:00	15.33	12.7							
run1	4/16/2014	11:33:15	15.34	12.7							
run1	4/16/2014	11:33:30	15.33	12.7							
run1	4/16/2014	11:33:45	15.32	12.7							
run1	4/16/2014	11:34:00	15.33	12.7							
run1	4/16/2014	11:34:15	15.33	12.7							
run1	4/16/2014	11:34:30	15.34	12.8							
run1	4/16/2014	11:34:45	15.34	12.7							
run1	4/16/2014	11:35:00	15.31	12.6							
run1	4/16/2014	11:35:15	15.33	12.7							
run1	4/16/2014	11:35:30	15.33	12.7							
run1	4/16/2014	11:35:45	15.34	12.7							
run1	4/16/2014	11:36:00	15.33	12.7							
run1	4/16/2014	11:36:15	15.32	12.7							
run1	4/16/2014	11:36:30	15.33	12.7							
run1	4/16/2014	11:36:45	15.33	12.7							
run1	4/16/2014	11:37:00	15.33	12.6							
run1	4/16/2014	11:37:15	15.34	12.7							
run1	4/16/2014	11:37:30	15.34	12.7							
run1	4/16/2014	11:37:45	15.34	12.7							
run1	4/16/2014	11:38:00	15.33	12.7							
run1	4/16/2014	11:38:15	15.33	12.7							
run1	4/16/2014	11:38:30	15.30	12.7							
run1	4/16/2014	11:38:45	15.33	12.7							
run1	4/16/2014	11:39:00	15.33	12.7							
run1	4/16/2014	11:39:15	15.34	12.7							
run1	4/16/2014	11:39:30	15.34	12.7							
run1	4/16/2014	11:39:45	15.34	12.7							
run1	4/16/2014	11:40:00	15.33	12.7							
run1	4/16/2014	11:40:15	15.34	12.7							
run1	4/16/2014	11:40:30	15.34	12.7							
run1	4/16/2014	11:40:45	15.34	12.6							
run1	4/16/2014	11:41:00	15.33	12.7							
run1	4/16/2014	11:41:15	15.33	12.7							
run1	4/16/2014	11:41:30	15.32	12.7							
run1	4/16/2014	11:41:45	15.31	12.7							
run1	4/16/2014	11:42:00	15.31	12.7							
run1	4/16/2014	11:42:15	15.32	12.8							
run1	4/16/2014	11:42:30	15.33	12.7							
run1	4/16/2014	11:42:45	15.34	12.7							
run1	4/16/2014	11:43:00	15.33	12.6							
run1	4/16/2014	11:43:15	15.32	12.6							
run1	4/16/2014	11:43:30	15.31	12.7							
run1	4/16/2014	11:43:45	15.31	12.7							
run1	4/16/2014	11:44:00	15.31	12.7							
averun1	4/16/2014	11:23:00	15.31	12.8	21						
scg4	4/16/2014	11:44:15	15.31	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:44:30	15.32	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:44:45	15.33	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:45:00	15.33	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:45:15	12.25	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:45:30	2.49	10.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:45:45	0.40	17.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:46:00	0.27	19.6	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:46:15	0.25	19.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:46:30	0.23	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:46:45	0.22	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	11:47:00	0.24	19.4	CC410976/cg4	NOx	19.63	0	0	0	
noxspan2	4/16/2014	11:46:45	0.22	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	11:47:15	0.24	19.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	11:47:30	0.23	19.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	11:47:45	0.23	19.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	11:48:00	0.21	19.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0

name			9-O2	9-NOx						
sn			1420C/2784	1016942787						
offset			0	0						
fullscale			100	50						
train			2	2						
gastype			o2 3a	nox 7e						
scg2	4/16/2014	11:48:15	1.35	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:48:30	8.10	10.8	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:48:45	10.01	1.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:00	10.12	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:15	10.13	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:30	10.13	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:49:45	10.14	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	11:50:00	10.11	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span2	4/16/2014	11:50:00	10.11	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg1	4/16/2014	11:50:15	10.13	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:50:30	10.14	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:50:45	10.14	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:00	10.14	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:15	10.11	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:30	5.94	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:51:45	0.92	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:00	0.29	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:15	0.26	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:30	0.24	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	11:52:45	0.24	0.2	CC318830/cg1	NOx	0 O2	0	0	0
o2zero2	4/16/2014	11:52:45	0.24	0.2	CC318830/cg1	NOx	0 O2	0	0	0
noxzero2	4/16/2014	11:52:45	0.24	0.2	CC318830/cg1	NOx	0 O2	0	0	0
run2	4/16/2014	11:54:45	15.24	11.4						
run2	4/16/2014	11:55:00	15.27	11.8						
run2	4/16/2014	11:55:15	15.29	11.9						
run2	4/16/2014	11:55:30	15.26	12.0						
run2	4/16/2014	11:55:45	15.28	12.1						
run2	4/16/2014	11:56:00	15.29	12.1						
run2	4/16/2014	11:56:15	15.30	12.2						
run2	4/16/2014	11:56:30	15.30	12.2						
run2	4/16/2014	11:56:45	15.31	12.3						
run2	4/16/2014	11:57:00	15.31	12.3						
run2	4/16/2014	11:57:15	15.30	12.3						
run2	4/16/2014	11:57:30	15.30	12.4						
run2	4/16/2014	11:57:45	15.30	12.4						
run2	4/16/2014	11:58:00	15.30	12.4						
run2	4/16/2014	11:58:15	15.31	12.4						
run2	4/16/2014	11:58:30	15.31	12.4						
run2	4/16/2014	11:58:45	15.32	12.4						
run2	4/16/2014	11:59:00	15.33	12.4						
run2	4/16/2014	11:59:15	15.33	12.4						
run2	4/16/2014	11:59:30	15.33	12.4						
run2	4/16/2014	11:59:45	15.33	12.4						
run2	4/16/2014	12:00:00	15.33	12.4						
run2	4/16/2014	12:00:15	15.33	12.4						
run2	4/16/2014	12:00:30	15.34	12.4						
run2	4/16/2014	12:00:45	15.31	12.4						
run2	4/16/2014	12:01:00	15.34	12.4						
run2	4/16/2014	12:01:15	15.34	12.4						
run2	4/16/2014	12:01:30	15.33	12.4						
run2	4/16/2014	12:01:45	15.34	12.4						
run2	4/16/2014	12:02:00	15.35	12.4						
run2	4/16/2014	12:02:15	15.34	12.4						
run2	4/16/2014	12:02:30	15.34	12.4						
run2	4/16/2014	12:02:45	15.34	12.4						
run2	4/16/2014	12:03:00	15.34	12.4						
run2	4/16/2014	12:03:15	15.34	12.4						
run2	4/16/2014	12:03:30	15.34	12.4						
run2	4/16/2014	12:03:45	15.34	12.4						
run2	4/16/2014	12:04:00	15.34	12.5						
run2	4/16/2014	12:04:15	15.34	12.5						
run2	4/16/2014	12:04:30	15.35	12.5						
run2	4/16/2014	12:04:45	15.36	12.6						
run2	4/16/2014	12:05:00	15.34	12.5						
run2	4/16/2014	12:05:15	15.33	12.5						
run2	4/16/2014	12:05:30	15.36	12.5						
run2	4/16/2014	12:05:45	15.36	12.7						
run2	4/16/2014	12:06:00	15.34	12.7						
run2	4/16/2014	12:06:15	15.31	12.5						
run2	4/16/2014	12:06:30	15.34	12.6						
run2	4/16/2014	12:06:45	15.34	12.8						
run2	4/16/2014	12:07:00	15.34	12.6						
run2	4/16/2014	12:07:15	15.34	12.6						
run2	4/16/2014	12:07:30	15.32	12.7						
run2	4/16/2014	12:07:45	15.36	12.7						
run2	4/16/2014	12:08:00	15.35	12.6						
run2	4/16/2014	12:08:15	15.36	12.6						
run2	4/16/2014	12:08:30	15.35	12.6						
run2	4/16/2014	12:08:45	15.34	12.5						
run2	4/16/2014	12:09:00	15.32	12.6						
run2	4/16/2014	12:09:15	15.34	12.6						
run2	4/16/2014	12:09:30	15.36	12.8						
run2	4/16/2014	12:09:45	15.36	12.8						
run2	4/16/2014	12:10:00	15.37	12.6						
run2	4/16/2014	12:10:15	15.36	12.5						
run2	4/16/2014	12:10:30	15.36	12.7						
run2	4/16/2014	12:10:45	15.36	12.8						
run2	4/16/2014	12:11:00	15.35	12.6						
run2	4/16/2014	12:11:15	15.33	12.6						
run2	4/16/2014	12:11:30	15.36	12.6						
run2	4/16/2014	12:11:45	15.35	12.7						
run2	4/16/2014	12:12:00	15.35	12.7						
run2	4/16/2014	12:12:15	15.36	12.7						
run2	4/16/2014	12:12:30	15.36	12.9						
run2	4/16/2014	12:12:45	15.36	12.9						
run2	4/16/2014	12:13:00	15.35	12.8						
run2	4/16/2014	12:13:15	15.34	13.0						
run2	4/16/2014	12:13:30	15.30	12.9						
run2	4/16/2014	12:13:45	15.35	12.8						
run2	4/16/2014	12:14:00	15.34	12.6						
run2	4/16/2014	12:14:15	15.34	12.6						

name			9-O2	9-NOx							
sn			1420C/2784	1016942787							
offset			0	0							
fullscale			100	50							
train			2	2							
gastype			o2 3a	nox 7e							
run2	4/16/2014	12:14:30	15.34	12.7							
run2	4/16/2014	12:14:45	15.34	12.6							
run2	4/16/2014	12:15:00	15.34	12.6							
run2	4/16/2014	12:15:15	15.34	12.6							
run2	4/16/2014	12:15:30	15.34	12.6							
run2	4/16/2014	12:15:45	15.34	12.6							
run2	4/16/2014	12:16:00	15.34	12.5							
run2	4/16/2014	12:16:15	15.35	12.5							
run2	4/16/2014	12:16:30	15.34	12.5							
run2	4/16/2014	12:16:45	15.34	12.5							
averun2	4/16/2014	11:56:00	15.34	12.5	21						
scg4	4/16/2014	12:17:00	15.34	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:17:15	15.31	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:17:30	15.31	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:17:45	15.34	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:00	14.74	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:15	5.63	10.6	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:30	0.75	15.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:18:45	0.36	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:00	0.31	19.6	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:15	0.29	19.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:30	0.32	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:19:45	0.29	19.4	CC410976/cg4	NOx	19.63	0	0	0	
noxspan2	4/16/2014	12:19:45	0.29	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	12:20:00	0.32	19.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:20:15	0.31	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:20:30	0.31	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:20:45	0.29	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:21:00	0.49	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:21:15	6.37	15.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:21:30	9.88	3.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:21:45	10.15	0.6	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:22:00	10.14	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:22:15	10.14	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:22:30	10.17	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg2	4/16/2014	12:22:45	10.15	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
o2span2	4/16/2014	12:22:45	10.15	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0	
scg1	4/16/2014	12:23:00	10.18	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:23:15	10.18	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:23:30	10.18	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:23:45	10.16	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:24:00	10.12	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:24:15	5.58	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:24:30	0.92	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:24:45	0.36	0.3	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:25:00	0.29	0.2	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:25:15	0.32	0.2	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:25:30	0.32	0.2	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:25:45	0.29	0.2	CC318830/cg1	NOx	0 O2	0	0	0	
scg1	4/16/2014	12:26:00	0.26	0.2	CC318830/cg1	NOx	0 O2	0	0	0	
o2zero2	4/16/2014	12:26:00	0.26	0.2	CC318830/cg1	NOx	0 O2	0	0	0	
noxzero2	4/16/2014	12:26:00	0.26	0.2	CC318830/cg1	NOx	0 O2	0	0	0	
run3	4/16/2014	12:28:45	15.28	11.8							
run3	4/16/2014	12:29:00	15.31	11.9							
run3	4/16/2014	12:29:15	15.31	11.9							
run3	4/16/2014	12:29:30	15.32	12.0							
run3	4/16/2014	12:29:45	15.32	12.0							
run3	4/16/2014	12:30:00	15.33	12.0							
run3	4/16/2014	12:30:15	15.33	12.1							
run3	4/16/2014	12:30:30	15.34	12.1							
run3	4/16/2014	12:30:45	15.34	12.1							
run3	4/16/2014	12:31:00	15.34	12.1							
run3	4/16/2014	12:31:15	15.34	12.1							
run3	4/16/2014	12:31:30	15.34	12.1							
run3	4/16/2014	12:31:45	15.34	12.1							
run3	4/16/2014	12:32:00	15.34	12.2							
run3	4/16/2014	12:32:15	15.34	12.2							
run3	4/16/2014	12:32:30	15.34	12.3							
run3	4/16/2014	12:32:45	15.33	12.3							
run3	4/16/2014	12:33:00	15.35	12.8							
run3	4/16/2014	12:33:15	15.35	12.8							
run3	4/16/2014	12:33:30	15.35	12.5							
run3	4/16/2014	12:33:45	15.32	12.4							
run3	4/16/2014	12:34:00	15.35	12.3							
run3	4/16/2014	12:34:15	15.36	12.3							
run3	4/16/2014	12:34:30	15.36	12.3							
run3	4/16/2014	12:34:45	15.35	12.3							
run3	4/16/2014	12:35:00	15.33	12.3							
run3	4/16/2014	12:35:15	15.36	12.4							
run3	4/16/2014	12:35:30	15.35	12.4							
run3	4/16/2014	12:35:45	15.35	12.4							
run3	4/16/2014	12:36:00	15.35	12.4							
run3	4/16/2014	12:36:15	15.36	12.4							
run3	4/16/2014	12:36:30	15.36	12.4							
run3	4/16/2014	12:36:45	15.36	12.4							
run3	4/16/2014	12:37:00	15.36	12.3							
run3	4/16/2014	12:37:15	15.36	12.4							
run3	4/16/2014	12:37:30	15.36	12.4							
run3	4/16/2014	12:37:45	15.36	12.4							
run3	4/16/2014	12:38:00	15.35	12.4							
run3	4/16/2014	12:38:15	15.32	12.4							
run3	4/16/2014	12:38:30	15.36	12.5							
run3	4/16/2014	12:38:45	15.36	12.4							
run3	4/16/2014	12:39:00	15.36	12.4							
run3	4/16/2014	12:39:15	15.35	12.4							
run3	4/16/2014	12:39:30	15.34	12.5							
run3	4/16/2014	12:39:45	15.34	12.5							
run3	4/16/2014	12:40:00	15.34	12.5							
run3	4/16/2014	12:40:15	15.34	12.5							
run3	4/16/2014	12:40:30	15.34	12.4							
run3	4/16/2014	12:40:45	15.35	12.5							

name			9-O2	9-NOx							
sn			1420C/2784	1016942787							
offset			0	0							
fullscale			100	50							
train			2	2							
gastype			o2 3a	nox 7e							
run3	4/16/2014	12:41:00	15.35	12.5							
run3	4/16/2014	12:41:15	15.35	12.5							
run3	4/16/2014	12:41:30	15.35	12.5							
run3	4/16/2014	12:41:45	15.34	12.5							
run3	4/16/2014	12:42:00	15.34	12.5							
run3	4/16/2014	12:42:15	15.34	12.5							
run3	4/16/2014	12:42:30	15.34	12.5							
run3	4/16/2014	12:42:45	15.35	12.6							
run3	4/16/2014	12:43:00	15.35	12.5							
run3	4/16/2014	12:43:15	15.36	12.5							
run3	4/16/2014	12:43:30	15.36	12.5							
run3	4/16/2014	12:43:45	15.35	12.5							
run3	4/16/2014	12:44:00	15.35	12.5							
run3	4/16/2014	12:44:15	15.34	12.5							
run3	4/16/2014	12:44:30	15.34	12.5							
run3	4/16/2014	12:44:45	15.31	12.5							
run3	4/16/2014	12:45:00	15.34	12.6							
run3	4/16/2014	12:45:15	15.34	12.5							
run3	4/16/2014	12:45:30	15.34	12.5							
run3	4/16/2014	12:45:45	15.34	12.5							
run3	4/16/2014	12:46:00	15.35	12.5							
run3	4/16/2014	12:46:15	15.34	12.5							
run3	4/16/2014	12:46:30	15.34	12.5							
run3	4/16/2014	12:46:45	15.34	12.5							
run3	4/16/2014	12:47:00	15.34	12.5							
run3	4/16/2014	12:47:15	15.34	12.5							
run3	4/16/2014	12:47:30	15.34	12.5							
run3	4/16/2014	12:47:45	15.34	12.6							
run3	4/16/2014	12:48:00	15.34	12.6							
run3	4/16/2014	12:48:15	15.34	12.6							
run3	4/16/2014	12:48:30	15.34	12.6							
run3	4/16/2014	12:48:45	15.34	12.6							
run3	4/16/2014	12:49:00	15.35	12.6							
run3	4/16/2014	12:49:15	15.36	12.5							
run3	4/16/2014	12:49:30	15.36	12.5							
run3	4/16/2014	12:49:45	15.36	12.5							
averun3	4/16/2014	12:29:00	15.34	12.4	21						
scg4	4/16/2014	12:50:00	15.35	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:50:15	15.35	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:50:30	15.35	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:50:45	15.36	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:51:00	14.32	12.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:51:15	4.62	10.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:51:30	0.65	15.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:51:45	0.36	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:52:00	0.34	19.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:52:15	0.34	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	12:52:30	0.33	19.4	CC410976/cg4	NOx	19.63	0	0	0	
noxspan2	4/16/2014	12:52:30	0.33	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	12:52:45	0.30	19.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:53:00	0.32	19.2	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:53:15	0.32	19.2	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:53:30	0.30	19.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:53:45	0.60	19.2	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:54:00	6.57	14.7	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:54:15	9.89	3.0	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:54:30	10.15	0.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:54:45	10.17	0.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:55:00	10.18	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:55:15	10.18	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:55:30	10.16	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:55:45	10.16	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	12:56:00	10.18	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
o2span2	4/16/2014	12:56:00	10.18	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg1	4/16/2014	12:56:15	10.18	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:56:30	10.18	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:56:45	10.18	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:57:00	10.18	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:57:15	10.03	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:57:30	4.67	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:57:45	0.75	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:58:00	0.36	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:58:15	0.32	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:58:30	0.30	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
scg1	4/16/2014	12:58:45	0.32	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
o2zero2	4/16/2014	12:58:45	0.32	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
noxzero2	4/16/2014	12:58:45	0.32	0.2	CC318830/cg1	NOx	0	O2 0	0	0	
run4	4/16/2014	13:00:30	13.86	6.7							
run4	4/16/2014	13:00:45	15.22	10.8							
run4	4/16/2014	13:01:00	15.30	11.5							
run4	4/16/2014	13:01:15	15.30	11.7							
run4	4/16/2014	13:01:30	15.31	11.8							
run4	4/16/2014	13:01:45	15.33	12.0							
run4	4/16/2014	13:02:00	15.42	11.7							
run4	4/16/2014	13:02:15	15.32	12.0							
run4	4/16/2014	13:02:30	15.32	12.7							
run4	4/16/2014	13:02:45	15.34	12.4							
run4	4/16/2014	13:03:00	15.34	12.3							
run4	4/16/2014	13:03:15	15.34	12.2							
run4	4/16/2014	13:03:30	15.34	12.2							
run4	4/16/2014	13:03:45	15.38	12.4							
run4	4/16/2014	13:04:00	15.38	11.9							
run4	4/16/2014	13:04:15	15.30	12.9							
run4	4/16/2014	13:04:30	15.31	13.1							
run4	4/16/2014	13:04:45	15.31	12.8							
run4	4/16/2014	13:05:00	15.33	12.5							
run4	4/16/2014	13:05:15	15.33	12.4							
run4	4/16/2014	13:05:30	15.33	12.3							
run4	4/16/2014	13:05:45	15.32	12.3							
run4	4/16/2014	13:06:00	15.31	12.3							
run4	4/16/2014	13:06:15	15.32	12.4							

name			9-O2	9-NOx						
sn			1420C/2784	1016942787						
offset			0	0						
fullscale			100	50						
train			2	2						
gastype			o2 3a	nox 7e						
run4	4/16/2014	13:06:30	15.32	12.4						
run4	4/16/2014	13:06:45	15.33	12.5						
run4	4/16/2014	13:07:00	15.33	12.4						
run4	4/16/2014	13:07:15	15.33	12.6						
run4	4/16/2014	13:07:30	15.34	12.4						
run4	4/16/2014	13:07:45	15.34	12.5						
run4	4/16/2014	13:08:00	15.34	12.4						
run4	4/16/2014	13:08:15	15.33	12.4						
run4	4/16/2014	13:08:30	15.34	12.4						
run4	4/16/2014	13:08:45	15.33	12.4						
run4	4/16/2014	13:09:00	15.33	12.4						
run4	4/16/2014	13:09:15	15.33	12.4						
run4	4/16/2014	13:09:30	15.31	12.4						
run4	4/16/2014	13:09:45	15.34	12.4						
run4	4/16/2014	13:10:00	15.34	12.4						
run4	4/16/2014	13:10:15	15.34	12.4						
run4	4/16/2014	13:10:30	15.34	12.4						
run4	4/16/2014	13:10:45	15.31	12.4						
run4	4/16/2014	13:11:00	15.33	12.4						
run4	4/16/2014	13:11:15	15.34	12.5						
run4	4/16/2014	13:11:30	15.33	12.5						
run4	4/16/2014	13:11:45	15.34	12.5						
run4	4/16/2014	13:12:00	15.34	12.5						
run4	4/16/2014	13:12:15	15.34	12.4						
run4	4/16/2014	13:12:30	15.33	12.4						
run4	4/16/2014	13:12:45	15.34	12.5						
run4	4/16/2014	13:13:00	15.34	12.5						
run4	4/16/2014	13:13:15	15.34	12.5						
run4	4/16/2014	13:13:30	15.34	12.5						
run4	4/16/2014	13:13:45	15.33	12.6						
run4	4/16/2014	13:14:00	15.34	12.7						
run4	4/16/2014	13:14:15	15.34	12.6						
run4	4/16/2014	13:14:30	15.34	12.5						
run4	4/16/2014	13:14:45	15.34	12.5						
run4	4/16/2014	13:15:00	15.33	12.5						
run4	4/16/2014	13:15:15	15.33	12.5						
run4	4/16/2014	13:15:30	15.33	12.6						
run4	4/16/2014	13:15:45	15.33	12.5						
run4	4/16/2014	13:16:00	15.33	12.5						
run4	4/16/2014	13:16:15	15.33	12.5						
run4	4/16/2014	13:16:30	15.34	12.5						
run4	4/16/2014	13:16:45	15.34	12.5						
run4	4/16/2014	13:17:00	15.34	12.5						
run4	4/16/2014	13:17:15	15.35	12.5						
run4	4/16/2014	13:17:30	15.34	12.5						
run4	4/16/2014	13:17:45	15.34	12.5						
run4	4/16/2014	13:18:00	15.34	12.5						
run4	4/16/2014	13:18:15	15.33	12.5						
run4	4/16/2014	13:18:30	15.33	12.5						
run4	4/16/2014	13:18:45	15.33	12.6						
run4	4/16/2014	13:19:00	15.34	12.6						
run4	4/16/2014	13:19:15	15.34	12.6						
run4	4/16/2014	13:19:30	15.34	12.6						
run4	4/16/2014	13:19:45	15.33	12.6						
run4	4/16/2014	13:20:00	15.33	12.6						
run4	4/16/2014	13:20:15	15.28	12.6						
run4	4/16/2014	13:20:30	15.33	12.6						
run4	4/16/2014	13:20:45	15.33	12.6						
run4	4/16/2014	13:21:00	15.31	12.6						
run4	4/16/2014	13:21:15	15.31	12.6						
run4	4/16/2014	13:21:30	15.34	12.6						
run4	4/16/2014	13:21:45	15.34	12.5						
run4	4/16/2014	13:22:00	15.33	12.5						
run4	4/16/2014	13:22:15	15.34	12.6						
run4	4/16/2014	13:22:30	15.34	12.6						
run4	4/16/2014	13:22:45	15.34	12.6						
averun4	4/16/2014	13:02:00	15.33	12.5	21					
scg4	4/16/2014	13:23:00	15.33	12.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:23:15	15.33	12.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:23:30	15.33	12.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:23:45	15.33	12.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:24:00	14.97	12.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:24:15	6.44	10.8	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:24:30	0.85	14.2	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:24:45	0.32	19.1	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:25:00	0.31	19.5	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:25:15	0.30	19.4	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:25:30	0.29	19.4	CC410976/cg4	NOx	19.63	0	0	0
noxspan2	4/16/2014	13:25:30	0.29	19.4	CC410976/cg4	NOx	19.63	0	0	0
scg2	4/16/2014	13:25:45	0.29	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:26:00	0.29	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:26:15	0.27	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:26:30	0.29	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:26:45	0.48	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:27:00	6.43	14.9	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:27:15	9.87	3.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:27:30	10.13	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:27:45	10.15	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:28:00	10.16	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:28:15	10.16	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span2	4/16/2014	13:28:15	10.16	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg1	4/16/2014	13:28:30	10.16	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:28:45	10.16	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:29:00	10.14	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:29:15	10.13	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:29:30	9.65	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:29:45	3.56	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:30:00	0.54	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:30:15	0.31	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:30:30	0.27	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:30:45	0.29	0.2	CC318830/cg1	NOx	0 O2	0	0	0

name			9-O2	9-NOx						
sn			1420C/2784	1016942787						
offset			0	0						
fullscale			100	50						
train			2	2						
gastype			o2 3a	nox 7e						
scg1	4/16/2014	13:31:00	0.28	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:31:15	0.27	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	13:31:30	0.27	0.2	CC318830/cg1	NOx	0 O2	0	0	0
o2zero2	4/16/2014	13:31:30	0.27	0.2	CC318830/cg1	NOx	0 O2	0	0	0
noxzero2	4/16/2014	13:31:30	0.27	0.2	CC318830/cg1	NOx	0 O2	0	0	0
run5	4/16/2014	13:34:45	15.29	11.9						
run5	4/16/2014	13:35:00	15.29	12.1						
run5	4/16/2014	13:35:15	15.29	12.2						
run5	4/16/2014	13:35:30	15.29	12.2						
run5	4/16/2014	13:35:45	15.29	12.2						
run5	4/16/2014	13:36:00	15.30	12.1						
run5	4/16/2014	13:36:15	15.28	12.2						
run5	4/16/2014	13:36:30	15.30	12.2						
run5	4/16/2014	13:36:45	15.30	12.2						
run5	4/16/2014	13:37:00	15.30	12.2						
run5	4/16/2014	13:37:15	15.30	12.3						
run5	4/16/2014	13:37:30	15.30	12.3						
run5	4/16/2014	13:37:45	15.30	12.3						
run5	4/16/2014	13:38:00	15.31	12.3						
run5	4/16/2014	13:38:15	15.31	12.3						
run5	4/16/2014	13:38:30	15.31	12.3						
run5	4/16/2014	13:38:45	15.31	12.3						
run5	4/16/2014	13:39:00	15.31	12.3						
run5	4/16/2014	13:39:15	15.31	12.3						
run5	4/16/2014	13:39:30	15.31	12.3						
run5	4/16/2014	13:39:45	15.31	12.3						
run5	4/16/2014	13:40:00	15.28	12.3						
run5	4/16/2014	13:40:15	15.31	12.4						
run5	4/16/2014	13:40:30	15.31	12.4						
run5	4/16/2014	13:40:45	15.31	12.4						
run5	4/16/2014	13:41:00	15.31	12.4						
run5	4/16/2014	13:41:15	15.31	12.4						
run5	4/16/2014	13:41:30	15.30	12.4						
run5	4/16/2014	13:41:45	15.31	12.3						
run5	4/16/2014	13:42:00	15.29	12.3						
run5	4/16/2014	13:42:15	15.31	12.4						
run5	4/16/2014	13:42:30	15.31	12.3						
run5	4/16/2014	13:42:45	15.31	12.4						
run5	4/16/2014	13:43:00	15.32	12.4						
run5	4/16/2014	13:43:15	15.32	12.4						
run5	4/16/2014	13:43:30	15.31	12.4						
run5	4/16/2014	13:43:45	15.31	12.5						
run5	4/16/2014	13:44:00	15.31	12.4						
run5	4/16/2014	13:44:15	15.31	12.4						
run5	4/16/2014	13:44:30	15.31	12.3						
run5	4/16/2014	13:44:45	15.31	12.4						
run5	4/16/2014	13:45:00	15.31	12.4						
run5	4/16/2014	13:45:15	15.31	12.4						
run5	4/16/2014	13:45:30	15.29	12.5						
run5	4/16/2014	13:45:45	15.31	12.5						
run5	4/16/2014	13:46:00	15.32	12.5						
run5	4/16/2014	13:46:15	15.32	12.5						
run5	4/16/2014	13:46:30	15.32	12.5						
run5	4/16/2014	13:46:45	15.31	12.5						
run5	4/16/2014	13:47:00	15.31	12.5						
run5	4/16/2014	13:47:15	15.31	12.5						
run5	4/16/2014	13:47:30	15.31	12.6						
run5	4/16/2014	13:47:45	15.31	12.5						
run5	4/16/2014	13:48:00	15.31	12.5						
run5	4/16/2014	13:48:15	15.31	12.5						
run5	4/16/2014	13:48:30	15.29	12.5						
run5	4/16/2014	13:48:45	15.32	12.5						
run5	4/16/2014	13:49:00	15.31	12.4						
run5	4/16/2014	13:49:15	15.31	12.4						
run5	4/16/2014	13:49:30	15.31	12.4						
run5	4/16/2014	13:49:45	15.31	12.4						
run5	4/16/2014	13:50:00	15.31	12.6						
run5	4/16/2014	13:50:15	15.31	12.5						
run5	4/16/2014	13:50:30	15.31	12.4						
run5	4/16/2014	13:50:45	15.31	12.4						
run5	4/16/2014	13:51:00	15.30	12.6						
run5	4/16/2014	13:51:15	15.32	12.6						
run5	4/16/2014	13:51:30	15.31	12.5						
run5	4/16/2014	13:51:45	15.31	12.5						
run5	4/16/2014	13:52:00	15.31	12.4						
run5	4/16/2014	13:52:15	15.30	12.5						
run5	4/16/2014	13:52:30	15.30	12.5						
run5	4/16/2014	13:52:45	15.31	12.5						
run5	4/16/2014	13:53:00	15.31	12.5						
run5	4/16/2014	13:53:15	15.31	12.5						
run5	4/16/2014	13:53:30	15.31	12.5						
run5	4/16/2014	13:53:45	15.31	12.4						
run5	4/16/2014	13:54:00	15.31	12.4						
run5	4/16/2014	13:54:15	15.28	12.4						
run5	4/16/2014	13:54:30	15.28	12.4						
run5	4/16/2014	13:54:45	15.31	12.4						
run5	4/16/2014	13:55:00	15.28	12.4						
run5	4/16/2014	13:55:15	15.31	12.4						
run5	4/16/2014	13:55:30	15.31	12.4						
run5	4/16/2014	13:55:45	15.31	12.4						
averun5	4/16/2014	13:35:00	15.31	12.4	21					
scg4	4/16/2014	13:56:00	15.31	12.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:56:15	15.30	12.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:56:30	15.29	12.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:56:45	15.29	12.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:57:00	12.85	12.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:57:15	2.94	10.6	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:57:30	0.44	17.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:57:45	0.28	19.4	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:58:00	0.26	19.4	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	13:58:15	0.22	19.4	CC410976/cg4	NOx	19.63	0	0	0

name			9-O2	9-NOx							
sn			1420C/2784	1016942787							
offset			0	0							
fullscale			100	50							
train			2	2							
gastype			o2 3a	nox 7e							
scg4	4/16/2014	13:58:30	0.24	19.3	CC410976/cg4	NOx	19.63	0	0	0
noxspan2	4/16/2014	13:58:30	0.24	19.3	CC410976/cg4	NOx	19.63	0	0	0
scg2	4/16/2014	13:58:45	0.24	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:59:00	0.24	19.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:59:15	0.24	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:59:30	0.21	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	13:59:45	0.40	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	14:00:00	6.24	15.0	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	14:00:15	9.82	3.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	14:00:30	10.10	0.5	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	14:00:45	10.11	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	14:01:00	10.11	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	14:01:15	10.12	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span2	4/16/2014	14:01:15	10.12	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg1	4/16/2014	14:01:30	10.12	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:01:45	10.12	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:02:00	10.11	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:02:15	10.12	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:02:30	10.09	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:02:45	8.01	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:03:00	1.69	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:03:15	0.33	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:03:30	0.23	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:03:45	0.22	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	14:04:00	0.20	0.2	CC318830/cg1	NOx	0 O2	0	0	0
o2zero2	4/16/2014	14:04:00	0.20	0.2	CC318830/cg1	NOx	0 O2	0	0	0
noxzero2	4/16/2014	14:04:00	0.20	0.2	CC318830/cg1	NOx	0 O2	0	0	0
run6	4/16/2014	14:06:00	15.19	10.6						
run6	4/16/2014	14:06:15	15.24	11.4						
run6	4/16/2014	14:06:30	15.26	11.6						
run6	4/16/2014	14:06:45	15.26	11.7						
run6	4/16/2014	14:07:00	15.26	11.8						
run6	4/16/2014	14:07:15	15.26	11.9						
run6	4/16/2014	14:07:30	15.26	12.0						
run6	4/16/2014	14:07:45	15.26	12.0						
run6	4/16/2014	14:08:00	15.26	12.1						
run6	4/16/2014	14:08:15	15.26	12.0						
run6	4/16/2014	14:08:30	15.26	12.0						
run6	4/16/2014	14:08:45	15.27	12.1						
run6	4/16/2014	14:09:00	15.27	12.1						
run6	4/16/2014	14:09:15	15.28	12.1						
run6	4/16/2014	14:09:30	15.28	12.1						
run6	4/16/2014	14:09:45	15.27	12.1						
run6	4/16/2014	14:10:00	15.27	12.1						
run6	4/16/2014	14:10:15	15.24	12.2						
run6	4/16/2014	14:10:30	15.27	12.2						
run6	4/16/2014	14:10:45	15.26	12.2						
run6	4/16/2014	14:11:00	15.26	12.3						
run6	4/16/2014	14:11:15	15.26	12.3						
run6	4/16/2014	14:11:30	15.26	12.2						
run6	4/16/2014	14:11:45	15.28	12.2						
run6	4/16/2014	14:12:00	15.28	12.2						
run6	4/16/2014	14:12:15	15.28	12.2						
run6	4/16/2014	14:12:30	15.25	12.2						
run6	4/16/2014	14:12:45	15.27	12.2						
run6	4/16/2014	14:13:00	15.27	12.2						
run6	4/16/2014	14:13:15	15.24	12.3						
run6	4/16/2014	14:13:30	15.27	12.3						
run6	4/16/2014	14:13:45	15.27	12.3						
run6	4/16/2014	14:14:00	15.27	12.3						
run6	4/16/2014	14:14:15	15.27	12.3						
run6	4/16/2014	14:14:30	15.27	12.3						
run6	4/16/2014	14:14:45	15.27	12.3						
run6	4/16/2014	14:15:00	15.26	12.3						
run6	4/16/2014	14:15:15	15.28	12.3						
run6	4/16/2014	14:15:30	15.27	12.3						
run6	4/16/2014	14:15:45	15.27	12.3						
run6	4/16/2014	14:16:00	15.24	12.3						
run6	4/16/2014	14:16:15	15.27	12.3						
run6	4/16/2014	14:16:30	15.26	12.3						
run6	4/16/2014	14:16:45	15.26	12.4						
run6	4/16/2014	14:17:00	15.27	12.4						
run6	4/16/2014	14:17:15	15.27	12.4						
run6	4/16/2014	14:17:30	15.28	12.4						
run6	4/16/2014	14:17:45	15.28	12.3						
run6	4/16/2014	14:18:00	15.26	12.5						
run6	4/16/2014	14:18:15	15.25	12.7						
run6	4/16/2014	14:18:30	15.22	12.8						
run6	4/16/2014	14:18:45	15.24	12.8						
run6	4/16/2014	14:19:00	15.24	12.8						
run6	4/16/2014	14:19:15	15.24	12.8						
run6	4/16/2014	14:19:30	15.25	12.9						
run6	4/16/2014	14:19:45	15.23	12.8						
run6	4/16/2014	14:20:00	15.26	12.9						
run6	4/16/2014	14:20:15	15.26	12.8						
run6	4/16/2014	14:20:30	15.26	12.7						
run6	4/16/2014	14:20:45	15.26	12.7						
run6	4/16/2014	14:21:00	15.26	12.7						
run6	4/16/2014	14:21:15	15.25	12.7						
run6	4/16/2014	14:21:30	15.25	12.8						
run6	4/16/2014	14:21:45	15.24	12.8						
run6	4/16/2014	14:22:00	15.24	12.8						
run6	4/16/2014	14:22:15	15.25	12.8						
run6	4/16/2014	14:22:30	15.26	12.8						
run6	4/16/2014	14:22:45	15.26	12.8						
run6	4/16/2014	14:23:00	15.25	12.8						
run6	4/16/2014	14:23:15	15.24	12.8						
run6	4/16/2014	14:23:30	15.25	12.8						
run6	4/16/2014	14:23:45	15.24	12.8						
run6	4/16/2014	14:24:00	15.24	12.8						
run6	4/16/2014	14:24:15	15.25	12.8						

name			9-O2	9-NOx							
sn			1420C/2784	1016942787							
offset			0	0							
fullscale			100	50							
train			2	2							
gastype			o2 3a	nox 7e							
run6	4/16/2014	14:24:30	15.24	12.8							
run6	4/16/2014	14:24:45	15.24	12.8							
run6	4/16/2014	14:25:00	15.25	12.8							
run6	4/16/2014	14:25:15	15.25	12.9							
run6	4/16/2014	14:25:30	15.26	12.9							
run6	4/16/2014	14:25:45	15.25	12.9							
run6	4/16/2014	14:26:00	15.24	12.9							
run6	4/16/2014	14:26:15	15.24	12.9							
run6	4/16/2014	14:26:30	15.24	12.9							
run6	4/16/2014	14:26:45	15.24	12.9							
run6	4/16/2014	14:27:00	15.24	12.9							
run6	4/16/2014	14:27:15	15.24	12.9							
run6	4/16/2014	14:27:30	15.24	12.9							
run6	4/16/2014	14:27:45	15.24	12.8							
averun6	4/16/2014	14:07:00	15.26	12.5	21						
scg4	4/16/2014	14:28:00	15.24	12.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:28:15	15.25	12.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:28:30	15.25	12.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:28:45	15.25	12.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:00	12.66	12.5	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:15	2.74	11.0	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:30	0.34	17.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:29:45	0.17	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:00	0.17	19.4	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:15	0.17	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:30	0.17	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:30:45	0.17	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:31:00	0.16	19.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	14:31:15	0.13	19.2	CC410976/cg4	NOx	19.63	0	0	0	
noxspan2	4/16/2014	14:31:15	0.13	19.2	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	14:31:30	0.13	19.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:31:45	0.15	19.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:32:00	0.15	19.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:32:15	0.12	19.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:32:30	0.42	19.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:32:45	6.46	14.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:33:00	9.77	2.8	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:33:15	10.04	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:33:30	10.06	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:33:45	10.07	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg2	4/16/2014	14:34:00	10.07	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
o2span2	4/16/2014	14:34:00	10.07	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0
scg1	4/16/2014	14:34:15	10.08	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:34:30	10.08	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:34:45	10.08	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:35:00	10.08	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:35:15	9.63	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:35:30	3.49	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:35:45	0.45	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:36:00	0.18	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:36:15	0.15	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:36:30	0.15	0.2	CC318830/cg1	NOx	0	O2	0	0	0
scg1	4/16/2014	14:36:45	0.15	0.2	CC318830/cg1	NOx	0	O2	0	0	0
o2zero2	4/16/2014	14:36:45	0.15	0.2	CC318830/cg1	NOx	0	O2	0	0	0
noxzero2	4/16/2014	14:36:45	0.15	0.2	CC318830/cg1	NOx	0	O2	0	0	0
run7	4/16/2014	14:38:30	14.80	9.6							
run7	4/16/2014	14:38:45	15.16	11.6							
run7	4/16/2014	14:39:00	15.19	11.9							
run7	4/16/2014	14:39:15	15.19	12.1							
run7	4/16/2014	14:39:30	15.19	12.3							
run7	4/16/2014	14:39:45	15.22	12.3							
run7	4/16/2014	14:40:00	15.21	12.3							
run7	4/16/2014	14:40:15	15.19	12.3							
run7	4/16/2014	14:40:30	15.21	12.4							
run7	4/16/2014	14:40:45	15.21	12.4							
run7	4/16/2014	14:41:00	15.22	12.5							
run7	4/16/2014	14:41:15	15.21	12.5							
run7	4/16/2014	14:41:30	15.21	12.5							
run7	4/16/2014	14:41:45	15.22	12.5							
run7	4/16/2014	14:42:00	15.21	12.5							
run7	4/16/2014	14:42:15	15.22	12.6							
run7	4/16/2014	14:42:30	15.23	12.6							
run7	4/16/2014	14:42:45	15.24	12.6							
run7	4/16/2014	14:43:00	15.24	12.6							
run7	4/16/2014	14:43:15	15.23	12.6							
run7	4/16/2014	14:43:30	15.22	12.6							
run7	4/16/2014	14:43:45	15.22	12.6							
run7	4/16/2014	14:44:00	15.21	12.6							
run7	4/16/2014	14:44:15	15.22	12.6							
run7	4/16/2014	14:44:30	15.22	12.7							
run7	4/16/2014	14:44:45	15.22	12.7							
run7	4/16/2014	14:45:00	15.23	12.6							
run7	4/16/2014	14:45:15	15.24	12.6							
run7	4/16/2014	14:45:30	15.24	12.7							
run7	4/16/2014	14:45:45	15.24	12.6							
run7	4/16/2014	14:46:00	15.24	12.6							
run7	4/16/2014	14:46:15	15.24	12.6							
run7	4/16/2014	14:46:30	15.23	12.7							
run7	4/16/2014	14:46:45	15.23	12.7							
run7	4/16/2014	14:47:00	15.23	12.7							
run7	4/16/2014	14:47:15	15.22	12.7							
run7	4/16/2014	14:47:30	15.22	12.7							
run7	4/16/2014	14:47:45	15.23	12.6							
run7	4/16/2014	14:48:00	15.23	12.6							
run7	4/16/2014	14:48:15	15.24	12.7							
run7	4/16/2014	14:48:30	15.24	12.9							
run7	4/16/2014	14:48:45	15.24	12.7							
run7	4/16/2014	14:49:00	15.24	12.7							
run7	4/16/2014	14:49:15	15.24	12.7							
run7	4/16/2014	14:49:30	15.24	12.7							
run7	4/16/2014	14:49:45	15.24	12.7							

name			9-O2	9-NOx						
sn			1420C/2784	1016942787						
offset			0	0						
fullscale			100	50						
train			2	2						
gastype			o2 3a	nox 7e						
run7	4/16/2014	14:50:00	15.24	12.7						
run7	4/16/2014	14:50:15	15.23	12.7						
run7	4/16/2014	14:50:30	15.22	12.7						
run7	4/16/2014	14:50:45	15.23	12.7						
run7	4/16/2014	14:51:00	15.23	12.7						
run7	4/16/2014	14:51:15	15.24	12.7						
run7	4/16/2014	14:51:30	15.23	12.7						
run7	4/16/2014	14:51:45	15.24	12.8						
run7	4/16/2014	14:52:00	15.24	12.8						
run7	4/16/2014	14:52:15	15.24	12.8						
run7	4/16/2014	14:52:30	15.24	12.7						
run7	4/16/2014	14:52:45	15.24	12.7						
run7	4/16/2014	14:53:00	15.24	12.7						
run7	4/16/2014	14:53:15	15.21	12.7						
run7	4/16/2014	14:53:30	15.23	12.7						
run7	4/16/2014	14:53:45	15.24	12.7						
run7	4/16/2014	14:54:00	15.24	12.7						
run7	4/16/2014	14:54:15	15.24	12.7						
run7	4/16/2014	14:54:30	15.24	12.8						
run7	4/16/2014	14:54:45	15.24	12.8						
run7	4/16/2014	14:55:00	15.24	12.8						
run7	4/16/2014	14:55:15	15.24	12.8						
run7	4/16/2014	14:55:30	15.24	12.8						
run7	4/16/2014	14:55:45	15.24	12.8						
run7	4/16/2014	14:56:00	15.23	12.8						
run7	4/16/2014	14:56:15	15.23	12.8						
run7	4/16/2014	14:56:30	15.24	12.8						
run7	4/16/2014	14:56:45	15.24	12.8						
run7	4/16/2014	14:57:00	15.24	12.9						
run7	4/16/2014	14:57:15	15.24	12.8						
run7	4/16/2014	14:57:30	15.24	12.8						
run7	4/16/2014	14:57:45	15.24	12.7						
run7	4/16/2014	14:58:00	15.24	12.8						
run7	4/16/2014	14:58:15	15.24	12.9						
run7	4/16/2014	14:58:30	15.23	12.9						
run7	4/16/2014	14:58:45	15.23	12.9						
run7	4/16/2014	14:59:00	15.24	12.8						
run7	4/16/2014	14:59:15	15.23	12.8						
run7	4/16/2014	14:59:30	15.23	12.7						
run7	4/16/2014	14:59:45	15.23	12.7						
run7	4/16/2014	15:00:00	15.24	12.7						
run7	4/16/2014	15:00:15	15.24	12.7						
run7	4/16/2014	15:00:30	15.24	12.7						
run7	4/16/2014	15:00:45	15.24	12.7						
averun7	4/16/2014	14:40:00	15.23	12.7	21					
scg4	4/16/2014	15:01:00	15.24	12.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:01:15	15.21	12.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:01:30	15.23	12.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:01:45	15.21	12.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:02:00	14.76	12.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:02:15	5.96	10.7	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:02:30	0.65	14.5	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:02:45	0.17	19.0	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:03:00	0.15	19.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:03:15	0.12	19.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:03:30	0.13	19.3	CC410976/cg4	NOx	19.63	0	0	0
scg4	4/16/2014	15:03:45	0.12	19.2	CC410976/cg4	NOx	19.63	0	0	0
noxspan2	4/16/2014	15:03:45	0.12	19.2	CC410976/cg4	NOx	19.63	0	0	0
scg2	4/16/2014	15:04:00	0.12	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:04:15	0.12	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:04:30	0.12	19.2	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:04:45	0.12	19.1	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:05:00	0.61	19.1	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:05:15	7.04	13.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:05:30	9.82	2.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:05:45	10.03	0.4	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:06:00	10.05	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:06:15	10.06	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:06:30	10.03	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg2	4/16/2014	15:06:45	10.06	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
o2span2	4/16/2014	15:06:45	10.06	0.3	CC426888/cg2	O2	10.03 CO2	9.624	0	0
scg1	4/16/2014	15:07:00	10.06	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:07:15	10.06	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:07:30	10.06	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:07:45	10.06	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:08:00	10.04	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:08:15	6.27	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:08:30	0.97	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:08:45	0.19	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:09:00	0.12	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:09:15	0.13	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:09:30	0.10	0.2	CC318830/cg1	NOx	0 O2	0	0	0
o2zero2	4/16/2014	15:09:30	0.10	0.2	CC318830/cg1	NOx	0 O2	0	0	0
noxzero2	4/16/2014	15:09:30	0.10	0.2	CC318830/cg1	NOx	0 O2	0	0	0
run8	4/16/2014	15:11:15	14.73	8.4						
run8	4/16/2014	15:11:30	15.15	11.3						
run8	4/16/2014	15:11:45	15.16	11.8						
run8	4/16/2014	15:12:00	15.19	12.0						
run8	4/16/2014	15:12:15	15.19	12.1						
run8	4/16/2014	15:12:30	15.19	12.3						
run8	4/16/2014	15:12:45	15.20	12.3						
run8	4/16/2014	15:13:00	15.21	12.3						
run8	4/16/2014	15:13:15	15.21	12.4						
run8	4/16/2014	15:13:30	15.21	12.4						
run8	4/16/2014	15:13:45	15.21	12.5						
run8	4/16/2014	15:14:00	15.22	12.5						
run8	4/16/2014	15:14:15	15.21	12.5						
run8	4/16/2014	15:14:30	15.21	12.5						
run8	4/16/2014	15:14:45	15.21	12.5						
run8	4/16/2014	15:15:00	15.21	12.5						
run8	4/16/2014	15:15:15	15.21	12.5						

name			9-O2	9-NOx							
sn			1420C/2784	1016942787							
offset			0	0							
fullscale			100	50							
train			2	2							
gastype			o2 3a	nox 7e							
run8	4/16/2014	15:15:30	15.21	12.5							
run8	4/16/2014	15:15:45	15.21	12.6							
run8	4/16/2014	15:16:00	15.20	12.6							
run8	4/16/2014	15:16:15	15.23	12.6							
run8	4/16/2014	15:16:30	15.23	12.7							
run8	4/16/2014	15:16:45	15.22	12.7							
run8	4/16/2014	15:17:00	15.22	12.6							
run8	4/16/2014	15:17:15	15.22	12.6							
run8	4/16/2014	15:17:30	15.21	12.6							
run8	4/16/2014	15:17:45	15.22	12.6							
run8	4/16/2014	15:18:00	15.22	12.6							
run8	4/16/2014	15:18:15	15.22	12.6							
run8	4/16/2014	15:18:30	15.23	12.7							
run8	4/16/2014	15:18:45	15.23	12.6							
run8	4/16/2014	15:19:00	15.23	12.6							
run8	4/16/2014	15:19:15	15.23	12.7							
run8	4/16/2014	15:19:30	15.22	12.7							
run8	4/16/2014	15:19:45	15.22	12.7							
run8	4/16/2014	15:20:00	15.22	12.7							
run8	4/16/2014	15:20:15	15.22	12.7							
run8	4/16/2014	15:20:30	15.23	12.6							
run8	4/16/2014	15:20:45	15.20	12.6							
run8	4/16/2014	15:21:00	15.22	12.7							
run8	4/16/2014	15:21:15	15.23	12.7							
run8	4/16/2014	15:21:30	15.24	12.7							
run8	4/16/2014	15:21:45	15.23	12.7							
run8	4/16/2014	15:22:00	15.23	12.7							
run8	4/16/2014	15:22:15	15.21	12.7							
run8	4/16/2014	15:22:30	15.22	12.8							
run8	4/16/2014	15:22:45	15.21	12.8							
run8	4/16/2014	15:23:00	15.22	12.7							
run8	4/16/2014	15:23:15	15.23	12.7							
run8	4/16/2014	15:23:30	15.23	12.7							
run8	4/16/2014	15:23:45	15.24	12.7							
run8	4/16/2014	15:24:00	15.24	12.7							
run8	4/16/2014	15:24:15	15.23	12.7							
run8	4/16/2014	15:24:30	15.23	12.7							
run8	4/16/2014	15:24:45	15.23	12.7							
run8	4/16/2014	15:25:00	15.23	12.8							
run8	4/16/2014	15:25:15	15.24	12.8							
run8	4/16/2014	15:25:30	15.24	12.8							
run8	4/16/2014	15:25:45	15.23	12.8							
run8	4/16/2014	15:26:00	15.23	12.8							
run8	4/16/2014	15:26:15	15.23	12.8							
run8	4/16/2014	15:26:30	15.23	12.8							
run8	4/16/2014	15:26:45	15.24	12.8							
run8	4/16/2014	15:27:00	15.24	12.8							
run8	4/16/2014	15:27:15	15.24	12.8							
run8	4/16/2014	15:27:30	15.23	12.8							
run8	4/16/2014	15:27:45	15.23	12.8							
run8	4/16/2014	15:28:00	15.23	12.8							
run8	4/16/2014	15:28:15	15.23	12.9							
run8	4/16/2014	15:28:30	15.22	12.9							
run8	4/16/2014	15:28:45	15.23	12.8							
run8	4/16/2014	15:29:00	15.24	12.8							
run8	4/16/2014	15:29:15	15.24	12.8							
run8	4/16/2014	15:29:30	15.24	12.8							
run8	4/16/2014	15:29:45	15.24	12.7							
run8	4/16/2014	15:30:00	15.23	12.7							
run8	4/16/2014	15:30:15	15.21	12.7							
run8	4/16/2014	15:30:30	15.23	12.8							
run8	4/16/2014	15:30:45	15.24	12.8							
run8	4/16/2014	15:31:00	15.24	12.8							
run8	4/16/2014	15:31:15	15.24	12.8							
run8	4/16/2014	15:31:30	15.24	12.8							
run8	4/16/2014	15:31:45	15.24	12.8							
run8	4/16/2014	15:32:00	15.23	12.8							
run8	4/16/2014	15:32:15	15.24	12.7							
run8	4/16/2014	15:32:30	15.24	12.7							
run8	4/16/2014	15:32:45	15.23	12.7							
run8	4/16/2014	15:33:00	15.23	12.7							
run8	4/16/2014	15:33:15	15.24	12.7							
run8	4/16/2014	15:33:30	15.24	12.8							
run8	4/16/2014	15:33:45	15.24	12.7							
run8	4/16/2014	15:34:00	15.21	12.7							
averun8	4/16/2014	15:13:00	15.23	12.7	21						
scg4	4/16/2014	15:34:15	15.24	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:34:30	15.24	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:34:45	15.22	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:35:00	15.23	12.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:35:15	10.80	12.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:35:30	1.76	11.2	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:35:45	0.27	17.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:36:00	0.17	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:36:15	0.13	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:36:30	0.15	19.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	4/16/2014	15:36:45	0.15	19.2	CC410976/cg4	NOx	19.63	0	0	0	
noxspan2	4/16/2014	15:36:45	0.15	19.2	CC410976/cg4	NOx	19.63	0	0	0	
scg2	4/16/2014	15:37:00	0.14	19.2	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:37:15	0.13	19.2	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:37:30	0.11	19.2	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:37:45	0.13	19.2	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:38:00	0.52	19.1	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:38:15	6.90	13.7	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:38:30	9.83	2.5	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:38:45	10.03	0.4	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:39:00	10.06	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:39:15	10.06	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg2	4/16/2014	15:39:30	10.06	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
o2span2	4/16/2014	15:39:30	10.06	0.3	CC426888/cg2	O2	10.03	CO2 9.624	0	0	
scg1	4/16/2014	15:39:45	10.06	0.3	CC318830/cg1	NOx	0	O2 0	0	0	

name			9-O2	9-NOx						
sn			1420C/2784	1016942787						
offset			0	0						
fullscale			100	50						
train			2	2						
gastype			o2 3a	nox 7e						
scg1	4/16/2014	15:40:00	10.06	0.3	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:40:15	10.06	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:40:30	10.06	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:40:45	9.78	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:41:00	3.95	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:41:15	0.46	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:41:30	0.16	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:41:45	0.13	0.2	CC318830/cg1	NOx	0 O2	0	0	0
scg1	4/16/2014	15:42:00	0.10	0.2	CC318830/cg1	NOx	0 O2	0	0	0
o2zero2	4/16/2014	15:42:00	0.10	0.2	CC318830/cg1	NOx	0 O2	0	0	0
noxzero2	4/16/2014	15:42:00	0.10	0.2	CC318830/cg1	NOx	0 O2	0	0	0
run0	4/16/2014	15:43:30	8.64	1.8						
run0	4/16/2014	15:43:45	14.65	8.6						
run0	4/16/2014	15:44:00	15.15	11.4						
run0	4/16/2014	15:44:15	15.19	11.8						
run0	4/16/2014	15:44:30	15.19	12.0						
run0	4/16/2014	15:44:45	15.19	11.9						
run0	4/16/2014	15:45:00	15.19	12.1						
run0	4/16/2014	15:45:15	15.19	12.2						
run0	4/16/2014	15:45:30	15.19	12.2						
run9	4/16/2014	15:47:45	15.21	12.5						
run9	4/16/2014	15:48:00	15.21	12.4						
run9	4/16/2014	15:48:15	15.21	12.5						
run9	4/16/2014	15:48:30	15.21	12.5						
run9	4/16/2014	15:48:45	15.23	12.3						
run9	4/16/2014	15:49:00	15.20	12.5						
run9	4/16/2014	15:49:15	15.22	12.5						
run9	4/16/2014	15:49:30	15.22	12.5						
run9	4/16/2014	15:49:45	15.21	12.5						
run9	4/16/2014	15:50:00	15.21	12.5						
run9	4/16/2014	15:50:15	15.21	12.5						
run9	4/16/2014	15:50:30	15.22	12.5						
run9	4/16/2014	15:50:45	15.22	12.5						
run9	4/16/2014	15:51:00	15.22	12.6						
run9	4/16/2014	15:51:15	15.23	12.6						
run9	4/16/2014	15:51:30	15.22	12.6						
run9	4/16/2014	15:51:45	15.22	12.6						
run9	4/16/2014	15:52:00	15.22	12.5						
run9	4/16/2014	15:52:15	15.21	12.6						
run9	4/16/2014	15:52:30	15.22	12.5						
run9	4/16/2014	15:52:45	15.22	12.5						
run9	4/16/2014	15:53:00	15.22	12.6						
run9	4/16/2014	15:53:15	15.21	12.6						
run9	4/16/2014	15:53:30	15.22	12.6						
run9	4/16/2014	15:53:45	15.22	12.7						
run9	4/16/2014	15:54:00	15.22	12.7						
run9	4/16/2014	15:54:15	15.22	12.6						
run9	4/16/2014	15:54:30	15.22	12.6						
run9	4/16/2014	15:54:45	15.21	12.6						
run9	4/16/2014	15:55:00	15.19	12.6						
run9	4/16/2014	15:55:15	15.21	12.6						
run9	4/16/2014	15:55:30	15.21	12.6						
run9	4/16/2014	15:55:45	15.22	12.6						
run9	4/16/2014	15:56:00	15.23	12.6						
run9	4/16/2014	15:56:15	15.24	12.6						
run9	4/16/2014	15:56:30	15.23	12.6						
run9	4/16/2014	15:56:45	15.24	12.6						
run9	4/16/2014	15:57:00	15.22	12.6						
run9	4/16/2014	15:57:15	15.22	12.6						
run9	4/16/2014	15:57:30	15.22	12.7						
run9	4/16/2014	15:57:45	15.22	12.6						
run9	4/16/2014	15:58:00	15.23	12.6						
run9	4/16/2014	15:58:15	15.23	12.6						
run9	4/16/2014	15:58:30	15.21	12.7						
run9	4/16/2014	15:58:45	15.23	12.7						
run9	4/16/2014	15:59:00	15.23	12.7						
run9	4/16/2014	15:59:15	15.22	12.6						
run9	4/16/2014	15:59:30	15.23	12.6						
run9	4/16/2014	15:59:45	15.22	12.7						
run9	4/16/2014	16:00:00	15.20	12.7						
run9	4/16/2014	16:00:15	15.23	12.7						
run9	4/16/2014	16:00:30	15.24	12.7						
run9	4/16/2014	16:00:45	15.24	12.7						
run9	4/16/2014	16:01:00	15.21	12.7						
run9	4/16/2014	16:01:15	15.24	12.7						
run9	4/16/2014	16:01:30	15.23	12.7						
run9	4/16/2014	16:01:45	15.20	12.7						
run9	4/16/2014	16:02:00	15.23	12.7						
run9	4/16/2014	16:02:15	15.23	12.7						
run9	4/16/2014	16:02:30	15.20	12.8						
run9	4/16/2014	16:02:45	15.23	12.8						
run9	4/16/2014	16:03:00	15.23	12.8						
run9	4/16/2014	16:03:15	15.24	12.8						
run9	4/16/2014	16:03:30	15.24	12.8						
run9	4/16/2014	16:03:45	15.24	12.8						
run9	4/16/2014	16:04:00	15.23	12.7						
run9	4/16/2014	16:04:15	15.23	12.8						
run9	4/16/2014	16:04:30	15.23	12.7						
run9	4/16/2014	16:04:45	15.22	12.7						
run9	4/16/2014	16:05:00	15.22	12.7						
run9	4/16/2014	16:05:15	15.22	12.7						
run9	4/16/2014	16:05:30	15.22	12.8						
run9	4/16/2014	16:05:45	15.23	12.8						
run9	4/16/2014	16:06:00	15.23	12.9						
run9	4/16/2014	16:06:15	15.24	12.8						
run9	4/16/2014	16:06:30	15.19	12.8						
run9	4/16/2014	16:06:45	15.20	12.8						
run9	4/16/2014	16:07:00	15.22	12.7						
run9	4/16/2014	16:07:15	15.22	12.7						
run9	4/16/2014	16:07:30	15.22	12.8						
run9	4/16/2014	16:07:45	15.21	12.8						

name			9-O2	9-NOx								
sn			1420C/2784	1016942787								
offset			0	0								
fullscale			100	50								
train			2	2								
gastype			o2 3a	nox 7e								
run9	4/16/2014	16:08:00	15.22	12.8								
run9	4/16/2014	16:08:15	15.22	12.8								
run9	4/16/2014	16:08:30	15.23	12.8								
run9	4/16/2014	16:08:45	15.24	12.8								
averun9	4/16/2014	15:48:00	15.22	12.7	21							
scg4	4/16/2014	16:09:00	15.24	12.8	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:09:15	15.23	12.8	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:09:30	15.23	12.8	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:09:45	15.22	12.8	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:00	12.68	12.3	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:15	2.78	11.0	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:30	0.31	17.0	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:10:45	0.18	19.2	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:11:00	0.17	19.3	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:11:15	0.15	19.2	CC410976/cg4	NOx	19.63		0	0	0	
scg4	4/16/2014	16:11:30	0.15	19.2	CC410976/cg4	NOx	19.63		0	0	0	
noxspan2	4/16/2014	16:11:15	0.15	19.2	CC410976/cg4	NOx	19.63		0	0	0	
scg2	4/16/2014	16:11:45	0.15	19.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:00	0.15	19.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:15	0.14	19.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:30	0.14	19.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:12:45	0.83	19.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:00	7.42	12.6	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:15	9.87	2.1	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:30	10.04	0.4	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:13:45	10.06	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:14:00	10.06	0.3	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg2	4/16/2014	16:14:15	10.06	0.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
o2span2	4/16/2014	16:14:15	10.06	0.2	CC426888/cg2	O2	10.03	CO2	9.624	0	0	
scg1	4/16/2014	16:14:30	10.06	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:14:45	10.06	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:00	10.07	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:15	10.07	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:30	9.49	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:15:45	3.24	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:00	0.40	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:15	0.13	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:30	0.14	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:16:45	0.12	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:17:00	0.12	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
scg1	4/16/2014	16:17:15	0.12	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
o2zero2	4/16/2014	16:17:15	0.12	0.2	CC318830/cg1	NOx	0	O2	0	0	0	
noxzero2	4/16/2014	16:17:15	0.12	0.2	CC318830/cg1	NOx	0	O2	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												

Method 9

Field Data Sheets
VE Observers Certificate

RECORD OF VISUAL DETERMINATION OF OPACITY

SOURCE/PROCESS INFORMATION

FACILITY NAME: Orange Cogen

SOURCE NAME: CT 1 + CT 2 (-001 + -002) | PERMIT NUMBER: 1050231-010-AV

LOCATION ADDRESS: 1901 Clear Springs Rd

CITY: Bartow | STATE: FL. | ZIP: 33830

UNIT LOAD: base | HEAT INPUT: full

CONTROL EQUIPMENT: | OPERATING MODE: Normal

FUEL TYPE/RATE: natural gas | PERMITTED RATE: 377 mmbtu/hr

DESCRIBE EMISSION POINT: Unit 1 southernmost stack, U2 northernmost

HEIGHT ABOVE GROUND LEVEL: 100 FT | HEIGHT OF OBSERVATION POINT: 6 FT

EMISSIONS DESCRIPTION

DESCRIBE EMISSIONS: START clear heat haze | END same

PLUME COLOR: — | PLUME TYPE: —

WATER DROPLETS PRESENT: ☐ Yes ☒ No | IF YES, IS PLUME: ☐ Attached ☐ Detached

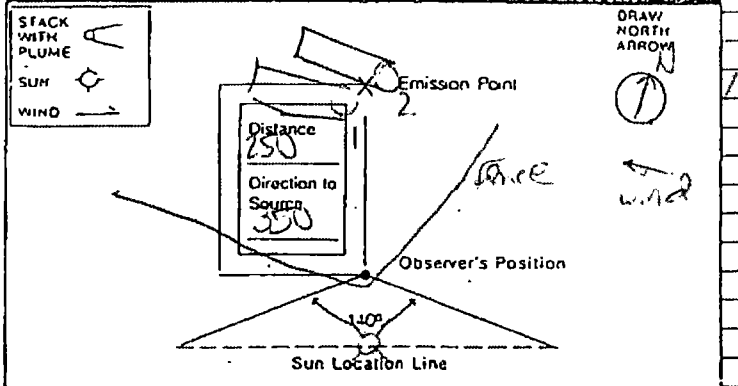
METEOROLOGICAL INFORMATION

BACKGROUND: START sky | END sky | BACKGROUND COLOR: START blue | END white

SKY CONDITIONS – CLOUD COVER: START scattered | END scattered | AMBIENT TEMPERATURE: START 80 | END

WIND SPEED: START 10 | END 10 | WIND DIRECTION: START east | END east

OBSERVATION DATA: SITE DIAGRAM



SUMMARY OF AVERAGE OPACITY

SET NUMBER	TIME START	TIME END	OPACITY SUM	OPACITY AVERAGE

COMPLIANCE INFORMATION

RANGE OF OPACITY READINGS: MAXIMUM 0 | MINIMUM 0

HIGHEST 6 MINUTE AVERAGE: 0.0 both units

COMMENTS: angle of inclination = 35

OBSERVER: Joe Conti | DATE: 4-16-14

OBSERVER'S SIGNATURE:

CERTIFICATION NUMBER: 418872 | EXPIRATION DATE: 8-14-14

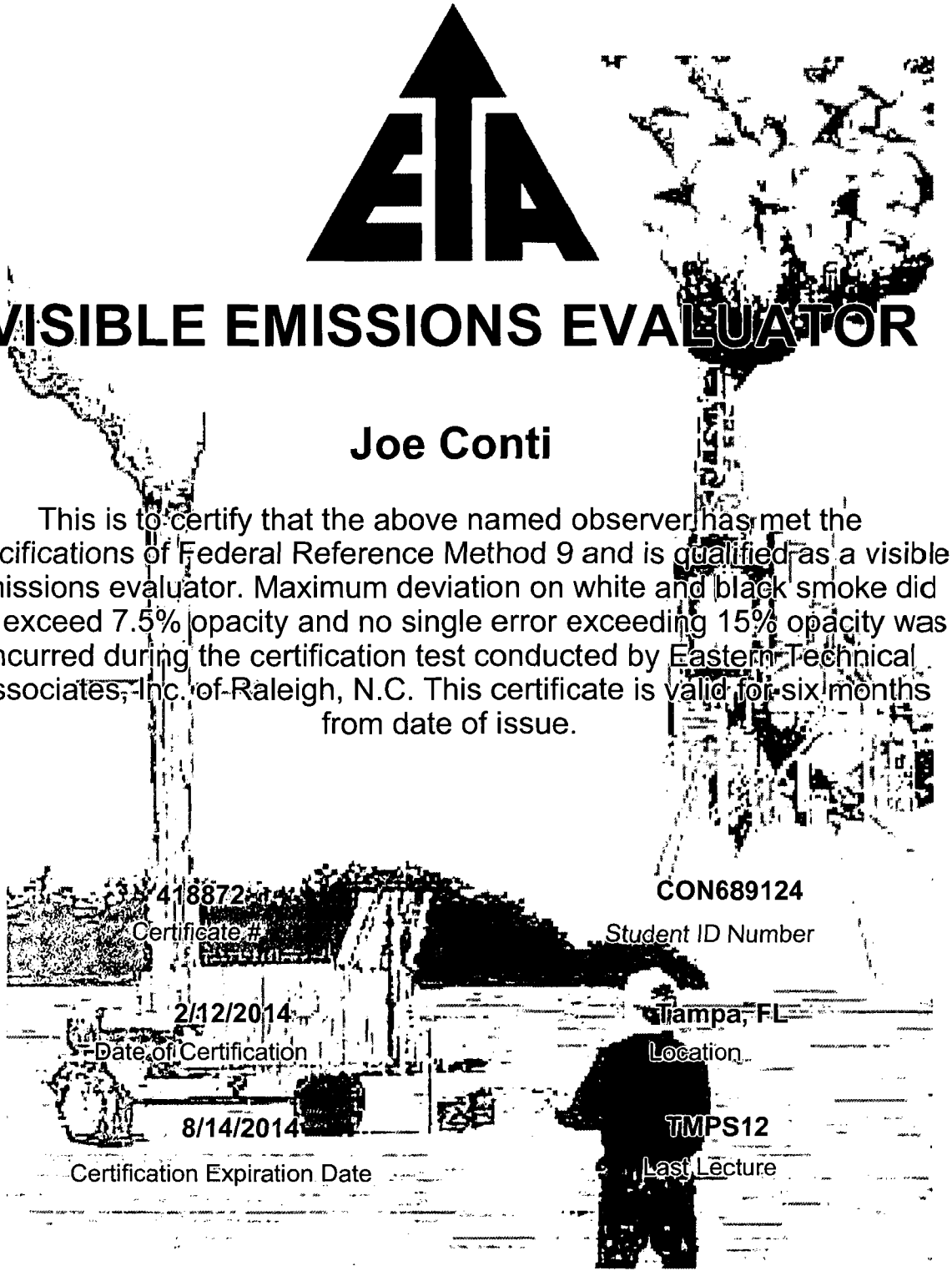
OBSERVATION RECORD

DATE: 4/16/2014

HOUR	MINUTE	STACK A 0	STACK A 15	STACK A 30	STACK A 45	STACK B 0	STACK B 15	STACK B 30	STACK B 45
12	34	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0
12	40	0	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0
	11	0	0	0	0	0	0	0	0
	12	0	0	0	0	0	0	0	0
	13	0	0	0	0	0	0	0	0
	14	0	0	0	0	0	0	0	0
	15	0	0	0	0	0	0	0	0
12	50	0	0	0	0	0	0	0	0
	17	0	0	0	0	0	0	0	0
	18	0	0	0	0	0	0	0	0
	19	0	0	0	0	0	0	0	0
	20	0	0	0	0	0	0	0	0
	21	0	0	0	0	0	0	0	0
	22	0	0	0	0	0	0	0	0
	23	0	0	0	0	0	0	0	0
	24	0	0	0	0	0	0	0	0
	25	0	0	0	0	0	0	0	0
13	00	0	0	0	0	0	0	0	0
	27	0	0	0	0	0	0	0	0
	28	0	0	0	0	0	0	0	0
	29	0	0	0	0	0	0	0	0
	30	0	0	0	0	0	0	0	0
	31	0	0	0	0	0	0	0	0
	32	0	0	0	0	0	0	0	0
	33	0	0	0	0	0	0	0	0
	34	0	0	0	0	0	0	0	0
	35	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0
	37	0	0	0	0	0	0	0	0
	38	0	0	0	0	0	0	0	0
	39	0	0	0	0	0	0	0	0
	40	0	0	0	0	0	0	0	0
	41	0	0	0	0	0	0	0	0
	42	0	0	0	0	0	0	0	0
	43	0	0	0	0	0	0	0	0
	44	0	0	0	0	0	0	0	0
	45	0	0	0	0	0	0	0	0
	20	0	0	0	0	0	0	0	0
	47	0	0	0	0	0	0	0	0
	48	0	0	0	0	0	0	0	0
	49	0	0	0	0	0	0	0	0
	50	0	0	0	0	0	0	0	0
	51	0	0	0	0	0	0	0	0
	52	0	0	0	0	0	0	0	0
	53	0	0	0	0	0	0	0	0
	54	0	0	0	0	0	0	0	0
	55	0	0	0	0	0	0	0	0
	30	0	0	0	0	0	0	0	0
	57	0	0	0	0	0	0	0	0
	58	0	0	0	0	0	0	0	0
	59	0	0	0	0	0	0	0	0

1324

Observer's VE Certificate



VISIBLE EMISSIONS EVALUATOR

Joe Conti

This is to certify that the above named observer has met the specifications of Federal Reference Method 9 and is qualified as a visible emissions evaluator. Maximum deviation on white and black smoke did not exceed 7.5% opacity and no single error exceeding 15% opacity was incurred during the certification test conducted by Eastern Technical Associates, Inc. of Raleigh, N.C. This certificate is valid for six months from date of issue.

418872-14
Certificate #

CON689124
Student ID Number

2/12/2014
Date of Certification

Tampa, FL
Location

8/14/2014
Certification Expiration Date

TMPS12
Last Lecture

Marty Hughes
Director of Training

Appendix G: Accreditations and Certifications

SOURCE EVALUATION SOCIETY

Qualified Source Testing Individual

LET IT BE KNOWN THAT

ALEXANDER E. HOUSEAL, III

HAS SUCCESSFULLY PASSED A COMPREHENSIVE EXAMINATION AND SATISFIED EXPERIENCE REQUIREMENTS IN ACCORDANCE WITH THE GUIDELINES ISSUED BY THE SES QUALIFIED SOURCE TEST INDIVIDUAL REVIEW BOARD FOR

MANUAL GAS VOLUME MEASUREMENTS AND ISOKINETIC PARTICULATE SAMPLING METHODS

ISSUED THIS 2ND DAY OF FEBRUARY 2012 AND EFFECTIVE UNTIL FEBRUARY 1ST, 2017

Peter R. Westlin, QSTI/QSTO Review Board

Peter S. Pakalnis, QSTI/QSTO Review Board

Theresa Lowe, QSTI/QSTO Review Board

C. David Bagwell, QSTI/QSTO Review Board

Karen D. Kajiya-Mills , QSTI/QSTO Review Board

Glenn C. England, QSTI/QSTO Review Board

APPLICATION NO. 2013-814

SOURCE EVALUATION SOCIETY

Qualified Source Testing Individual

LET IT BE KNOWN THAT

ALEXANDER E. HOUSEAL, III

HAS SUCCESSFULLY PASSED A COMPREHENSIVE EXAMINATION AND SATISFIED EXPERIENCE REQUIREMENTS IN ACCORDANCE WITH THE GUIDELINES ISSUED BY THE SES QUALIFIED SOURCE TEST INDIVIDUAL REVIEW BOARD FOR

GASEOUS POLLUTANTS INSTRUMENTAL SAMPLING METHODS

ISSUED THIS 3RD DAY OF FEBRUARY 2012 AND EFFECTIVE UNTIL FEBRUARY 2ND, 2017

Peter R. Westlin, QSTI/QSTO Review Board

Peter S. Pakalnis, QSTI/QSTO Review Board

Theresa Lowe, QSTI/QSTO Review Board

C. David Bagwell, QSTI/QSTO Review Board

Karen D. Kajiya-Mills , QSTI/QSTO Review Board

Glenn C. England, QSTI/QSTO Review Board

APPLICATION NO. 2013-814