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

April 5, 2013

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. Tests were performed concurrently to meet our annual testing requirement. The tests were performed on February 21, 2013 and April 05, 2013. 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
Auxiliary Boiler (EU -003)
Bartow, Florida

C.E.M. Solutions Project No. 6006

Testing Completed: April 2, 2013

C.E.M. Solutions, Inc Report Number: 20-6006-03-001

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

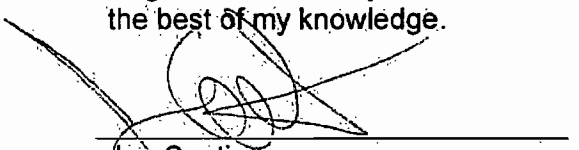
Declaration of Conformance to ASTM D 7036-04: Standard Practice for Competence of Air Emission Testing Bodies

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

Statement of Validity

I hereby certify the information and data provided in this emissions test report for tests performed on the auxiliary boiler at the Orange Cogeneration L.P., Orange Cogeneration Facility, conducted on April 2, 2013 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: Aux Boiler (EU -003)
Location of Source:	Polk County, Florida
Type of Operation:	SIC Code: 4911
Tests Performed:	Method 9 – Visual Determination of Visible emissions
Test Supervisor (QSTI certified):	Mr. Joe Conti
Date(s) Tests Conducted:	April 2, 2013: Compliance on Aux. Boiler
Site Test Coordinator:	Mr. Brian Mallory
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 visible emission monitoring on the auxiliary boiler (EU -003). Annual compliance testing was conducted on the auxiliary boiler for visible emissions. The test program and results are presented and discussed in this report.

Joe Conti was the certified visible emissions evaluator for C.E.M. Solutions, Inc. Brian Mallory 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.

The auxiliary boiler of the Orange Cogeneration Facility was found to be in compliance with permit number 1050231-012-AV. Table 1 summarizes the results of the compliance tests conducted on the auxiliary boiler.

Table 1: Summary of Compliance Test
Orange Cogeneration L.P.
Orange Cogeneration Facility
Auxiliary Boiler

Pollutant	Applicable CFR Part	Result	Performance Specification	Pass/ Fail
V.E.	permit	0.0	≤ 15%	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. A Zurn Nepco two-drum, bent tube auxiliary boiler is also in operation at the facility.

2.1 Process Equipment

The auxiliary boiler has a maximum heat input of 100 mmBtu/hr firing natural gas. Heat input for the auxiliary boiler is based on the higher heating value (HHV).

The auxiliary boiler emissions are controlled with low NO_X burners. Emissions are exhausted through a 65 foot tall, 3.7 foot diameter stack.

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:

- Visible emissions in percent

Table 2 summarizes the applicable emissions and CEMS accuracy limits for the auxiliary boiler.

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

Pollutant	Unit	Control Technology	Emission Limit/Performance Specification	Permit Condition
Visual Emission	Aux Boiler	Good Combustion	≤15% for gas[1]	B.5

1 *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 the auxiliary boiler on April 2, 2013.

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

- Unit 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
Auxiliary Boiler

Unit	Calculated Heat Input mmBtu/hr	Maximum Heat Input mmBtu/hr	Percent of Heat Input %
Aux Boiler	88.1	100	88.1%

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 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. Supporting RM field data, fuel analysis reports, and calculated values are presented in Appendix F. CEMS RATA Data is located in Appendix G.

5.1 Auxiliary Boiler (EU -003) Visible Emissions

The highest visible emissions observed in any six-minute average on the auxiliary boiler during the one hour test runs was 0.0%, passing the 15% emission limitation.

Appendix A: Plant Operations Data

ORANGE COGEN

BARTOW, FL

Aux Boiler Daily Operations Report

April 2, 2013

Hour	Gas Flow klbs	On-Time	Heat Input mmBtu	Ambient Temp °F
00	4.178	1.00	86.2	66.2
01	4.213	1.00	87.0	65.4
02	4.237	1.00	87.5	64.7
03	4.060	1.00	83.8	64.2
04	4.192	1.00	86.5	63.9
05	3.822	1.00	78.9	63.8
06	3.420	1.00	70.6	63.6
07	3.816	1.00	78.8	64.2
08	4.269	1.00	88.1	66.2
09	Inval		Inval	Inval
10	Inval		Inval	Inval
11	Inval		Inval	Inval
12	Inval		Inval	Inval
13	Inval		Inval	Inval
14	Inval		Inval	Inval
15	Inval		Inval	Inval
16	Inval		Inval	Inval
17	Inval		Inval	Inval
18	Inval		Inval	Inval
19	Inval		Inval	Inval
20	Inval		Inval	Inval
21	Inval		Inval	Inval
22	Inval		Inval	Inval
23	Inval		Inval	Inval
Average				64.7
Total	36.21	9.0	747.4	

Appendix B: Method 9 Support Data

VE Field Documentation
VE Observers Certificate

RECORD OF VISUAL DETERMINATION OF OPACITY

SOURCE/PROCESS INFORMATION

FACILITY NAME: Orange Wagon
SOURCE NAME: Aux Boiler
PERMIT NUMBER: 1050231-IJU-AV
LOCATION ADDRESS: 1901 Clear Springs Rd
CITY: Bartow
STATE: FL
ZIP: 33830
TYPE LOAD: Base
HEAT INPUT: tbd
CONTROL EQUIPMENT: —
OPERATING MODE: Normal
FUEL TYPE/RATE: natural gas
PERMITTED RATE: 100 mmbtu/hr
DESCRIBE EMISSION POINT: Small circular grey stack
HEIGHT ABOVE GROUND LEVEL: 60 FT
HEIGHT OF OBSERVATION POINT: 0 FT

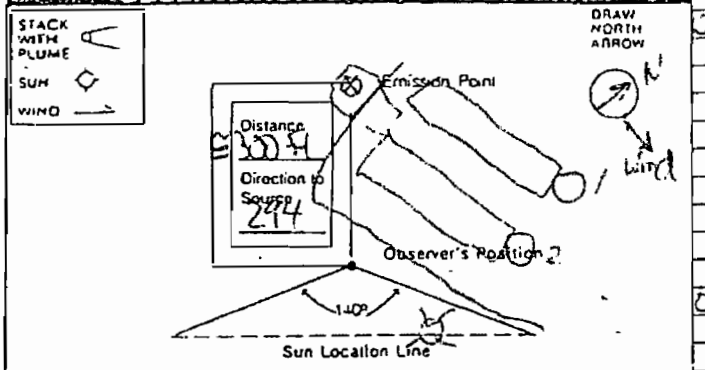
EMISSIONS DESCRIPTION

DESCRIBE EMISSIONS: START clear heat trace END same
PLUME COLOR: clear
PLUME TYPE: cooling
WATER DROPLETS PRESENT: ☐ Yes ☒ No
IF YES, IS PLUME: ☐ Attached ☐ Detached

METEOROLOGICAL INFORMATION

BACKGROUND: START sky END sky
BACKGROUND COLOR: START blue END blue
SKY CONDITIONS & CLOUD COVER: START clear END clear
AMBIENT TEMPERATURE: START 67 END 72
WIND SPEED: START 5 END 5
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

COMMENTS: angle of inclination = 7°

OBSERVER: Joe Conti
OBSERVER'S SIGNATURE:
DATE: 4/2/2013
VISIBLE EMISSIONS CERTIFICATION NUMBER: 41007
EXPIRATION DATE: 8/15/2013

OBSERVATION RECORD

DATE: 4/2/13

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
0856	0	0	0	0	0				
	57	0	0	0	0				
	58	0	0	0	0				
	59	0	0	0	0				
0900	4	0	0	0	0				
	5	0	0	0	0				
	6	0	0	0	0				
	7	0	0	0	0				
	8	0	0	0	0				
	9	0	0	0	0				
	10	0	0	0	0				
	11	0	0	0	0				
	12	0	0	0	0				
	13	0	0	0	0				
0910	14	0	0	0	0				
	15	0	0	0	0				
	16	0	0	0	0				
	17	0	0	0	0				
	18	0	0	0	0				
	19	0	0	0	0				
	20	0	0	0	0				
	21	0	0	0	0				
	22	0	0	0	0				
	23	0	0	0	0				
0920	24	0	0	0	0				
	25	0	0	0	0				
	26	0	0	0	0				
	27	0	0	0	0				
	28	0	0	0	0				
	29	0	0	0	0				
	30	0	0	0	0				
	31	0	0	0	0				
	32	0	0	0	0				
	33	0	0	0	0				
0930	34	0	0	0	0				
	35	0	0	0	0				
	36	0	0	0	0				
	37	0	0	0	0				
	38	0	0	0	0				
	39	0	0	0	0				
	40	0	0	0	0				
	41	0	0	0	0				
	42	0	0	0	0				
	43	0	0	0	0				
0940	44	0	0	0	0				
	45	0	0	0	0				
	46	0	0	0	0				
	47	0	0	0	0				
	48	0	0	0	0				
	49	0	0	0	0				
	50	0	0	0	0				
	51	0	0	0	0				
	52	0	0	0	0				
	53	0	0	0	0				
0950	54	0	0	0	0				
	51	0	0	0	0				
	52	0	0	0	0				
	53	0	0	0	0				
	54	0	0	0	0				
	55	0	0	0	0				
0956	59								

VISIBLE EMISSIONS EVALUATOR

Joseph 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.

410007	**CON689124**
Certificate Number	Student ID Number
2/13/2013	**Tampa, FL**
Date of Certification	Location
8/15/2013	**TMPS12**
Certification Expiration Date	Last Lecture

Marty Hughes
Director of Training

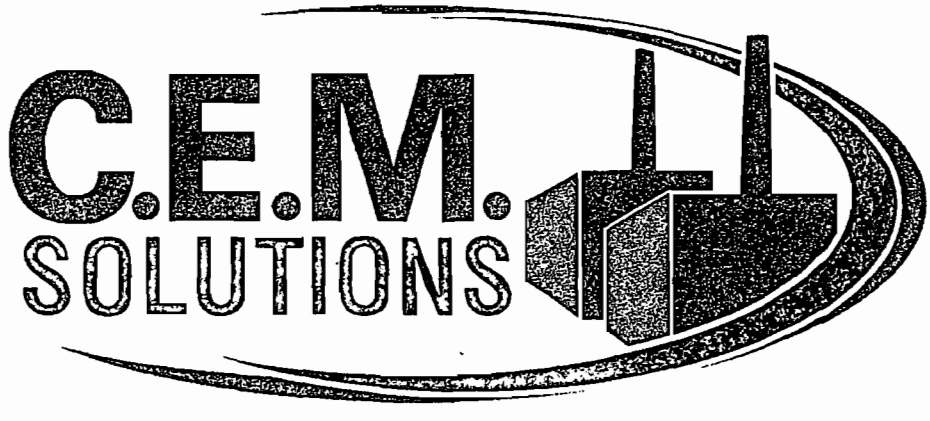
Air Emissions Compliance Test and RATA Report

Completed for:

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

Test Report Number: 20-6006-0102-001

Test Completed: February 21, 2013



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

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. 6006

Testing Completed: February 21, 2013

C.E.M. Solutions, Inc Report Number: 20-6006-0102-001

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

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 February 21, 2013 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):	Matthew Savin
Test Technicians:	Derek Kopera Peter Watson Joe Conti
Date(s) Tests Conducted:	February 21, 2013: RATA 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.

Matt Savin 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	3.1	≤ 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	13.0	≤ 20%	Pass
NO_X lb/mmBtu	2	75	0.006	≤ 0.015 lb/mmbtu difference	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 February 21, 2013.

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 Corected LHV	Percent of Heat Input %
Unit 1	338	377	90 %
Unit 2	333	377	88 %

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	1200951381
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	144001V02/4149

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 46.22 ppm NO
O_2	Units 1 and 2	20.48 %	0.0 % O_2 9.93 % O_2 20.48 % 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)

Therelative accuracy of the Unit 1 NOX lb/mmbtu CEMS, over the nine test runs, was 3.1 %, passing the Part 75 annual performance specification of 7.5%. The NO_X@15% O_2 relative accuracy was 3.8% passing the Part 60 performance specification of 20.0%.

The Unit 1 NO_X-diluent CEMS passed the BAF test. A BAF of 1.000 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 average difference between the reference method and the Unit 2 NO_x-diluent CEMS over the nine test runs was 0.006 lb/mmbtu, passing the Part 75 alternative annual performance specification of 0.015 lb/mmbtu. The NO_X@15% O_2 relative accuracy was 13.0% 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 0.1% 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

Relative Accuracy Determination

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

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	21-Feb	12:29:00	12:50:00	39.4	13.9	14.4	-0.5
Run 2	21-Feb	13:02:00	13:23:00	39.3	13.9	14.3	-0.4
Run 3	21-Feb	13:38:00	13:59:00	39.3	14.0	14.4	-0.4
Run 4	21-Feb	14:09:00	14:30:00	39.2	13.9	14.3	-0.4
Run 5	21-Feb	14:41:00	15:02:00	39.2	14.1	14.4	-0.3
Run 6	21-Feb	15:13:00	15:34:00	39.2	14.0	14.3	-0.3
Run 7	21-Feb	15:45:00	16:06:00	39.2	14.0	14.4	-0.4
Run 8	21-Feb	16:17:00	16:38:00	39.3	14.4	14.7	-0.3
Run 9	21-Feb	16:49:00	17:10:00	39.2	14.2	14.5	-0.3
		Average:		39.3	14.0	14.4	-0.4 ppm

Standard Deviation:	0.0707
Confidence Coefficient:	0.0544
T-Factor:	2.306
Number of runs Reported:	9
Applicable Standard:	15.0 ppm
Relative Accuracy:	**3.1 %**
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

Relative Accuracy Determination

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

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	21-Feb	12:29:00	12:50:00	39.4	0.051	0.053	-0.002
Run 2	21-Feb	13:02:00	13:23:00	39.3	0.051	0.053	-0.002
Run 3	21-Feb	13:38:00	13:59:00	39.3	0.051	0.053	-0.002
Run 4	21-Feb	14:09:00	14:30:00	39.2	0.051	0.053	-0.002
Run 5	21-Feb	14:41:00	15:02:00	39.2	0.052	0.053	-0.001
Run 6	21-Feb	15:13:00	15:34:00	39.2	0.051	0.053	-0.002
Run 7	21-Feb	15:45:00	16:06:00	39.2	0.051	0.053	-0.002
Run 8	21-Feb	16:17:00	16:38:00	39.3	0.053	0.054	-0.001
Run 9	21-Feb	16:49:00	17:10:00	39.2	0.052	0.054	-0.002
		Average:		39.3	0.051	0.053	-0.002 lbs/mmBtu

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

Standard Deviation:	0.0004
Confidence Coefficient:	0.0003
T-Factor:	2.306
Number of runs Reported:	9
Relative Accuracy:	**3.8**
Maximum RA	10.0
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

Relative Accuracy Determination

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

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	21-Feb	12:29:00	12:50:00	39.4	15.2	15.3	-0.1
Run 2	21-Feb	13:02:00	13:23:00	39.3	15.2	15.3	-0.1
Run 3	21-Feb	13:38:00	13:59:00	39.3	15.2	15.3	-0.1
Run 4	21-Feb	14:09:00	14:30:00	39.2	15.2	15.3	-0.1
Run 5	21-Feb	14:41:00	15:02:00	39.2	15.2	15.3	-0.1
Run 6	21-Feb	15:13:00	15:34:00	39.2	15.2	15.3	-0.1
Run 7	21-Feb	15:45:00	16:06:00	39.2	15.2	15.3	-0.1
Run 8	21-Feb	16:17:00	16:38:00	39.3	15.2	15.3	-0.1
Run 9	21-Feb	16:49:00	17:10:00	39.2	15.2	15.3	-0.1
		Average:		39.3	15.2 %	15.3 %	-0.1 %

Standard Deviation:	0.0167
Confidence Coefficient:	0.0128
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

Relative Accuracy Determination

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Rata
Date:2/21/13

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	21-Feb	12:29:00	12:50:00	38.5	13.0	14.2	-1.2
Run 2	21-Feb	13:02:00	13:23:00	38.5	12.8	14.1	-1.3
Run 3	21-Feb	13:38:00	13:59:00	38.5	12.9	14.3	-1.4
Run 4	21-Feb	14:09:00	14:30:00	38.5	12.4	14.3	-1.9
Run 5	21-Feb	14:41:00	15:02:00	38.5	12.6	14.4	-1.8
Run 6	21-Feb	15:13:00	15:34:00	38.5	12.8	14.3	-1.5
Run 7	21-Feb	15:45:00	16:06:00	38.5	12.7	14.3	-1.6
Run 8	21-Feb	16:17:00	16:38:00	38.5	13.1	14.5	-1.4
Run 9	21-Feb	16:49:00	17:10:00	38.1	12.6	14.2	-1.6
		Average:		38.5	12.8	14.3	-1.5 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:	0.2209
Confidence Coefficient:	0.1698
T-Factor:	2.306
Number of runs Reported:	9
Applicable Standard:	15.0 ppm
Relative Accuracy:	**13.0 %**
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

Relative Accuracy Determination

Test Performed For:
Northemstar
Orange Cogen
Unit 2
Date:2/21/13

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

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	21-Feb	12:29:00	12:50:00	38.5	0.048	0.052	-0.004
Run 2	21-Feb	13:02:00	13:23:00	38.5	0.047	0.052	-0.005
Run 3	21-Feb	13:38:00	13:59:00	38.5	0.047	0.053	-0.006
Run 4	21-Feb	14:09:00	14:30:00	38.5	0.046	0.053	-0.007
Run 5	21-Feb	14:41:00	15:02:00	38.5	0.047	0.053	-0.006
Run 6	21-Feb	15:13:00	15:34:00	38.5	0.047	0.053	-0.006
Run 7	21-Feb	15:45:00	16:06:00	38.5	0.047	0.053	-0.006
Run 8	21-Feb	16:17:00	16:38:00	38.5	0.048	0.053	-0.005
Run 9	21-Feb	16:49:00	17:10:00	38.1	0.046	0.052	-0.006
		Average:		38.5	0.047	0.053	-0.006 lbs/mmBtu

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

Standard Deviation:	0.0007
Confidence Coefficient:	0.0005
T-Factor:	2.306
Number of runs Reported:	9
Relative Accuracy:	**0.006**
Maximum RA	0.015
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

Relative Accuracy Determination

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

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	21-Feb	12:29:00	12:50:00	38.5	15.4	15.3	0.1
Run 2	21-Feb	13:02:00	13:23:00	38.5	15.4	15.3	0.1
Run 3	21-Feb	13:38:00	13:59:00	38.5	15.4	15.3	0.1
Run 4	21-Feb	14:09:00	14:30:00	38.5	15.4	15.3	0.1
Run 5	21-Feb	14:41:00	15:02:00	38.5	15.3	15.3	0.0
Run 6	21-Feb	15:13:00	15:34:00	38.5	15.4	15.3	0.1
Run 7	21-Feb	15:45:00	16:06:00	38.5	15.4	15.3	0.1
Run 8	21-Feb	16:17:00	16:38:00	38.5	15.4	15.3	0.1
Run 9	21-Feb	16:49:00	17:10:00	38.1	15.4	15.3	0.1
		Average:		38.5	15.4 %	15.3 %	0.1 %

Standard Deviation:	0.0331
Confidence Coefficient:	0.0254
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

Appendix A: Facility Operating Data

Conversion of HHV to LHV
C.E.M. Solutions

Run	Unit 1 Heat Input HHV	Unit 1 Heat Input LHV	Unit 2 Heat Input HHV	Unit 2 Heat Input LHV
1	351.2	319	345.2	314
2	350.9	319	344.9	314
3	350.9	319	344.9	314
4	350.2	318	344.8	313
5	350.2	318	344.8	313
6	349.5	318	344.2	313
7	349.5	318	344.2	313
8	350.7	319	343.9	313
9	349	317	341.2	310
Average		318		313
Temperature		79°F		79°F
ISO Corrected Heat Input		338		333

LHV = HHV/1.10
ISO Corrected Heat Input = HI*(460+79/460+47)

ORANGE COGEN

BARTOW, FL

Turbine-1 Daily CAIR Emissions & Operations Report

February 21, 2013

Hour	O2%	NOx ppm	NOx lb/mmBtu	Bias Adj NOx lb/mmBtu	NOx lbs	Bias Factor	Gas Flow hscf/hr	Turbine On-Time	GCV Gas Btu/hscf	Heat Input mmBtu/hr	Megawatts	Load Range
00	Down	Down	Down	Down	Down	1.000	Down	0.00	83270	Down	Down	Down
01	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
02	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
03	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
04	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
05	18.4	10.6	0.092	0.092	0.6	1.000	968	0.08	83260	80.6	0.1	1
06	15.8	16.8	0.072	0.072	19.3	1.000	3215	1.00	83280	267.7	26.8	9
07	15.4	13.3	0.053	0.053	18.4	1.000	4176	1.00	83280	347.8	38.6	10
08	15.2	13.8	0.053	0.053	18.4	1.000	4166	1.00	83280	346.9	38.6	10
09	15.2	13.7	0.052	0.052	18.0	1.000	4153	1.00	83280	345.9	38.5	10
10	15.3	12.9	0.050	0.050	17.4	1.000	4194	1.00	83080	348.4	39.0	10
11	15.4	13.5	0.053	0.053	18.0	1.000	4092	1.00	82970	339.5	37.7	10
12	15.3	13.7	0.053	0.053	18.6	1.000	4232	1.00	82990	351.2	39.3	10
13	15.3	13.7	0.053	0.053	18.6	1.000	4229	1.00	82970	350.9	39.3	10
14	15.3	13.7	0.053	0.053	18.6	1.000	4222	1.00	82950	350.2	39.2	10
15	15.3	13.7	0.053	0.053	18.5	1.000	4214	1.00	82940	349.5	39.2	10
16	15.3	13.9	0.054	0.054	18.9	1.000	4224	1.00	83030	350.7	39.2	10
17	15.3	13.7	0.053	0.053	18.5	1.000	4201	1.00	83080	349.0	39.0	10
18	15.3	13.6	0.053	0.053	18.5	1.000	4198	1.00	83270	349.6	39.0	10
19	15.2	13.6	0.052	0.052	18.2	1.000	4203	1.00	83280	350.0	39.0	10
20	15.2	13.8	0.053	0.053	18.6	1.000	4215	1.00	83280	351.0	39.2	10
21	15.2	13.7	0.052	0.052	18.2	1.000	4205	1.00	83270	350.2	39.2	10
22	16.7	14.5	0.075	0.075	2.3	1.000	2082	0.18	83270	173.4	12.5	5
23	Down	Down	Down	Down	Down	1.000	Down	0.00	83280	Down	Down	Down
Total Yearly Tons					4.2			16.3				

ORANGE COGEN

BARTOW, FL

Turbine-2 Daily CAIR Emissions & Operations Report

February 21, 2013

Hour	O2%	NOx ppm	NOx lb/mmBtu	Bias Adj NOx lb/mmBtu	NOx lbs	Bias Factor	Gas Flow hscf/hr	Turbine On-Time	GCV Gas Btu/hscf	Heat Input mmBtu/hr	Megawatts	Load Range
00	Down	Down	Down	Down	Down	1.000	Down	0.00	83270	Down	Down	Down
01	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
02	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
03	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
04	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
05	Down	Down	Down	Down	Down	1.000	Down	0.00	83260	Down	Down	Down
06	Down	Down	Down	Down	Down	1.000	Down	0.00	83280	Down	Down	Down
07	18.5	11.7	0.106	0.106	0.7	1.000	950	0.08	83280	79.1	0.0	1
08	15.8	21.6	0.092	0.092	25.7	1.000	3349	1.00	83280	278.9	28.4	9
09	15.4	12.9	0.051	0.051	17.3	1.000	4064	1.00	83280	338.4	37.4	10
10	15.4	13.5	0.053	0.053	18.3	1.000	4149	1.00	83080	344.7	38.5	10
11	15.4	13.5	0.053	0.053	18.3	1.000	4157	1.00	82970	344.9	38.5	10
12	15.3	13.4	0.052	0.052	18.0	1.000	4160	1.00	82990	345.2	38.5	10
13	15.3	13.4	0.052	0.052	17.9	1.000	4157	1.00	82970	344.9	38.5	10
14	15.3	13.6	0.053	0.053	18.3	1.000	4157	1.00	82950	344.8	38.5	10
15	15.3	13.6	0.053	0.053	18.2	1.000	4150	1.00	82940	344.2	38.5	10
16	15.3	13.6	0.053	0.053	18.2	1.000	4142	1.00	83030	343.9	38.4	10
17	15.3	13.4	0.052	0.052	17.7	1.000	4107	1.00	83080	341.2	38.0	10
18	15.3	13.4	0.052	0.052	17.8	1.000	4099	1.00	83270	341.3	38.0	10
19	15.3	13.4	0.052	0.052	17.8	1.000	4101	1.00	83280	341.5	38.0	10
20	15.3	13.4	0.052	0.052	17.8	1.000	4116	1.00	83280	342.8	38.3	10
21	15.3	13.8	0.054	0.054	18.6	1.000	4136	1.00	83270	344.4	38.5	10
22	16.5	16.7	0.082	0.082	2.6	1.000	2205	0.17	83270	183.6	13.9	5
23	Down	Down	Down	Down	Down	1.000	Down	0.00	83280	Down	Down	Down
Total Yearly Tons					5.4			14.3				

CeDAR 1-Hour Data

ORANGE COGEN

Data for 2/21/2013 7 AM thru 2/21/2013 7 PM

Timestamp	(Facility) Ambient Temp °F 1-Hr
2/21/13 7 AM	58.7
2/21/13 8 AM	61.7
2/21/13 9 AM	66.1
2/21/13 10 AM	71.1
2/21/13 11 AM	75.5
2/21/13 12 PM	77.6
2/21/13 1 PM	80.2
2/21/13 2 PM	80.4
2/21/13 3 PM	81.7
2/21/13 4 PM	82.7
2/21/13 5 PM	81.1
2/21/13 6 PM	78.9
2/21/13 7 PM	75.8
Average (all)	74.7
Total (all)	--
Minimum (all)	58.7
Maximum (all)	82.7
Average (valid values only)	74.7
Total (valid values only)	--
Count (valid values only)	13

Unit 1

R1

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 12:50 PM thru 2/21/2013 1:10 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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) 75-O2% 1-Min
2/21 12:50	0.0401	13.64	14.37	0.0529	15.30	422.7	39.4	15.33
2/21 12:51	0.0401	13.66	14.37	0.0529	15.29	423.9	39.4	15.34
2/21 12:52	0.0401	13.71	14.42	0.0531	15.29	423.2	39.4	15.33
2/21 12:53	0.0401	13.71	14.44	0.0532	15.30	423.4	39.4	15.33
2/21 12:54	0.0401	13.69	14.37	0.0529	15.28	423.7	39.3	15.33
2/21 12:55	0.0401	13.63	14.31	0.0527	15.28	422.7	39.3	15.33
2/21 12:56	0.0401	13.70	14.36	0.0529	15.27	423.2	39.4	15.34
2/21 12:57	0.0401	13.72	14.35	0.0529	15.26	422.9	39.4	15.33
2/21 12:58	0.0401	13.69	14.32	0.0528	15.26	423.4	39.4	15.33
2/21 12:59	0.0401	13.71	14.39	0.0530	15.28	423.4	39.4	15.33
2/21 13:00	0.0401	13.77	14.53	0.0535	15.31	424.2	39.4	15.33
2/21 13:01	0.0401	13.73	14.41	0.0531	15.28	422.7	39.4	15.33
2/21 13:02	0.0401	13.67	14.38	0.0530	15.29	423.2	39.3	15.33
2/21 13:03	0.0401	13.67	14.35	0.0529	15.28	423.2	39.3	15.33
2/21 13:04	0.0401	13.69	14.40	0.0530	15.29	423.2	39.4	15.33
2/21 13:05	0.0401	13.63	14.39	0.0530	15.31	423.2	39.3	15.33
2/21 13:06	0.0401	13.66	14.42	0.0531	15.31	423.2	39.4	15.33
2/21 13:07	0.0401	13.63	14.36	0.0529	15.30	423.4	39.4	15.33
2/21 13:08	0.0401	13.74	14.45	0.0532	15.29	423.9	39.4	15.33
2/21 13:09	0.0401	13.72	14.38	0.0530	15.27	423.7	39.3	15.33
2/21 13:10	0.0401	13.71	14.39	0.0530	15.28	423.4	39.4	15.33
Average (all)	0.0401	13.69	14.39	0.0530	15.29	423.3	39.4	15.33
Total (all)	--	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.63	14.31	0.0527	15.26	422.7	39.3	15.33
Maximum (all)	0.0401	13.77	14.53	0.0535	15.31	424.2	39.4	15.34
Average (valid values only)	0.0401	13.69	14.39	0.0530	15.29	423.3	39.4	15.33
Total (valid values only)	--	--	--	--	--	--	--	--
Count (valid values only)	21	21	21	21	21	21	21	21

CeDAR 1-Minute Data

R2

ORANGE COGEN

Data for 2/21/2013 1:02 PM thru 2/21/2013 1:23 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 13:02	0.0401	13.67	14.38	0.0530	15.29	423.2	39.3
2/21 13:03	0.0401	13.67	14.35	0.0529	15.28	423.2	39.3
2/21 13:04	0.0401	13.69	14.40	0.0530	15.29	423.2	39.4
2/21 13:05	0.0401	13.63	14.39	0.0530	15.31	423.2	39.3
2/21 13:06	0.0401	13.66	14.42	0.0531	15.31	423.2	39.4
2/21 13:07	0.0401	13.63	14.36	0.0529	15.30	423.4	39.4
2/21 13:08	0.0401	13.74	14.45	0.0532	15.29	423.9	39.4
2/21 13:09	0.0401	13.72	14.38	0.0530	15.27	423.7	39.3
2/21 13:10	0.0401	13.71	14.39	0.0530	15.28	423.4	39.4
2/21 13:11	0.0401	13.69	14.40	0.0530	15.29	422.7	39.3
2/21 13:12	0.0401	13.63	14.39	0.0530	15.31	422.7	39.3
2/21 13:13	0.0401	13.60	14.23	0.0524	15.26	422.7	39.3
2/21 13:14	0.0401	13.60	14.25	0.0525	15.27	422.9	39.3
2/21 13:15	0.0401	13.60	14.28	0.0526	15.28	422.9	39.3
2/21 13:16	0.0401	13.59	14.27	0.0526	15.28	422.9	39.3
2/21 13:17	0.0401	13.65	14.33	0.0528	15.28	422.9	39.3
2/21 13:18	0.0401	13.64	14.29	0.0527	15.27	422.9	39.3
2/21 13:19	0.0401	13.62	14.25	0.0525	15.26	422.4	39.3
2/21 13:20	0.0401	13.67	14.33	0.0528	15.27	422.9	39.3
2/21 13:21	0.0401	13.61	14.26	0.0525	15.27	422.2	39.3
2/21 13:22	0.0401	13.62	14.30	0.0527	15.28	423.4	39.3
2/21 13:23	0.0401	13.65	14.30	0.0527	15.27	422.7	39.2
Average (all)	0.0401	13.65	14.34	0.0528	15.28	423.0	39.3
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.59	14.23	0.0524	15.26	422.2	39.2
Maximum (all)	0.0401	13.74	14.45	0.0532	15.31	423.9	39.4
Average (valid values only)	0.0401	13.65	14.34	0.0528	15.28	423.0	39.3
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R3

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 1:38 PM thru 2/21/2013 1:59 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 13:38	0.0401	13.72	14.40	0.0531	15.28	422.7	39.2
2/21 13:39	0.0401	13.65	14.41	0.0531	15.31	422.4	39.3
2/21 13:40	0.0401	13.66	14.42	0.0531	15.31	423.2	39.3
2/21 13:41	0.0401	13.67	14.27	0.0526	15.25	422.7	39.3
2/21 13:42	0.0401	13.68	14.31	0.0527	15.26	423.2	39.3
2/21 13:43	0.0401	13.65	14.33	0.0528	15.28	423.2	39.3
2/21 13:44	0.0401	13.72	14.40	0.0531	15.28	423.2	39.3
2/21 13:45	0.0401	13.73	14.41	0.0531	15.28	422.7	39.3
2/21 13:46	0.0401	13.70	14.38	0.0530	15.28	423.4	39.3
2/21 13:47	0.0401	13.70	14.36	0.0529	15.27	422.9	39.3
2/21 13:48	0.0401	13.65	14.33	0.0528	15.28	422.4	39.3
2/21 13:49	0.0401	13.71	14.39	0.0530	15.28	422.4	39.2
2/21 13:50	0.0401	13.70	14.38	0.0530	15.28	421.7	39.2
2/21 13:51	0.0401	13.63	14.31	0.0527	15.28	423.2	39.3
2/21 13:52	0.0401	13.66	14.32	0.0527	15.27	422.7	39.3
2/21 13:53	0.0401	13.65	14.33	0.0528	15.28	422.4	39.3
2/21 13:54	0.0401	13.61	14.29	0.0526	15.28	423.4	39.3
2/21 13:55	0.0401	13.71	14.39	0.0530	15.28	423.4	39.3
2/21 13:56	0.0401	13.70	14.38	0.0530	15.28	423.2	39.3
2/21 13:57	0.0401	13.69	14.32	0.0528	15.26	423.7	39.3
2/21 13:58	0.0401	13.64	14.27	0.0526	15.26	422.4	39.3
2/21 13:59	0.0401	13.61	14.29	0.0526	15.28	423.2	39.3
Average (all)	0.0401	13.67	14.35	0.0529	15.28	422.9	39.3
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.61	14.27	0.0526	15.25	421.7	39.2
Maximum (all)	0.0401	13.73	14.42	0.0531	15.31	423.7	39.3
Average (valid values only)	0.0401	13.67	14.35	0.0529	15.28	422.9	39.3
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R4

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 2:09 PM thru 2/21/2013 2:30 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 14:09	0.0401	13.63	14.31	0.0527	15.28	422.9	39.3
2/21 14:10	0.0401	13.69	14.35	0.0529	15.27	422.9	39.3
2/21 14:11	0.0401	13.64	14.32	0.0528	15.28	423.4	39.3
2/21 14:12	0.0401	13.70	14.38	0.0530	15.28	423.9	39.3
2/21 14:13	0.0401	13.79	14.45	0.0532	15.27	423.4	39.4
2/21 14:14	0.0401	13.75	14.44	0.0532	15.28	422.9	39.3
2/21 14:15	0.0401	13.72	14.38	0.0530	15.27	422.4	39.3
2/21 14:16	0.0401	13.66	14.32	0.0527	15.27	422.4	39.2
2/21 14:17	0.0401	13.61	14.29	0.0526	15.28	422.4	39.3
2/21 14:18	0.0401	13.65	14.33	0.0528	15.28	422.4	39.3
2/21 14:19	0.0401	13.67	14.35	0.0529	15.28	421.7	39.2
2/21 14:20	0.0401	13.67	14.33	0.0528	15.27	421.7	39.3
2/21 14:21	0.0401	13.71	14.39	0.0530	15.28	422.2	39.2
2/21 14:22	0.0401	13.75	14.44	0.0532	15.28	421.2	39.1
2/21 14:23	0.0401	13.64	14.42	0.0531	15.32	420.9	39.2
2/21 14:24	0.0401	13.62	14.30	0.0527	15.28	420.9	39.1
2/21 14:25	0.0401	13.55	14.20	0.0523	15.27	420.4	39.1
2/21 14:26	0.0401	13.50	14.15	0.0521	15.27	420.9	39.1
2/21 14:27	0.0401	13.53	14.20	0.0523	15.28	420.9	39.1
2/21 14:28	0.0401	13.56	14.21	0.0524	15.27	420.4	39.1
2/21 14:29	0.0401	13.54	14.19	0.0523	15.27	420.4	39.1
2/21 14:30	0.0401	13.63	14.28	0.0526	15.27	420.9	39.1
Average (all)	0.0401	13.65	14.32	0.0528	15.28	421.9	39.2
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.50	14.15	0.0521	15.27	420.4	39.1
Maximum (all)	0.0401	13.79	14.45	0.0532	15.32	423.9	39.4
Average (valid values only)	0.0401	13.65	14.32	0.0528	15.28	421.9	39.2
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

CeDAR 1-Minute Data

RS

ORANGE COGEN

Data for 2/21/2013 2:41 PM thru 2/21/2013 3:02 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 14:41	0.0401	13.71	14.39	0.0530	15.28	421.9	39.2
2/21 14:42	0.0401	13.63	14.31	0.0527	15.28	421.2	39.1
2/21 14:43	0.0401	13.61	14.24	0.0525	15.26	421.7	39.1
2/21 14:44	0.0401	13.65	14.28	0.0526	15.26	422.2	39.1
2/21 14:45	0.0401	13.69	14.32	0.0528	15.26	422.4	39.2
2/21 14:46	0.0401	13.69	14.37	0.0529	15.28	422.2	39.3
2/21 14:47	0.0401	13.77	14.40	0.0531	15.26	422.4	39.3
2/21 14:48	0.0401	13.78	14.42	0.0531	15.26	421.9	39.2
2/21 14:49	0.0401	13.80	14.44	0.0532	15.26	423.2	39.3
2/21 14:50	0.0401	13.81	14.50	0.0534	15.28	423.7	39.3
2/21 14:51	0.0401	13.83	14.52	0.0535	15.28	422.4	39.3
2/21 14:52	0.0401	13.79	14.45	0.0532	15.27	422.7	39.2
2/21 14:53	0.0401	13.84	14.48	0.0533	15.26	422.4	39.2
2/21 14:54	0.0401	13.81	14.45	0.0532	15.26	422.7	39.3
2/21 14:55	0.0401	13.82	14.51	0.0534	15.28	423.2	39.3
2/21 14:56	0.0401	13.84	14.50	0.0534	15.27	422.9	39.4
2/21 14:57	0.0401	13.79	14.53	0.0535	15.30	423.4	39.3
2/21 14:58	0.0401	13.73	14.47	0.0533	15.30	423.4	39.3
2/21 14:59	0.0401	13.82	14.51	0.0534	15.28	422.7	39.2
2/21 15:00	0.0401	13.71	14.39	0.0530	15.28	421.9	39.2
2/21 15:01	0.0401	13.66	14.32	0.0527	15.27	422.4	39.2
2/21 15:02	0.0401	13.67	14.33	0.0528	15.27	422.2	39.1
Average (all)	0.0401	13.75	14.42	0.0531	15.27	422.5	39.2
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.61	14.24	0.0525	15.26	421.2	39.1
Maximum (all)	0.0401	13.84	14.53	0.0535	15.30	423.7	39.4
Average (valid values only)	0.0401	13.75	14.42	0.0531	15.27	422.5	39.2
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R6

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 3:13 PM thru 2/21/2013 3:34 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 15:13	0.0401	13.60	14.28	0.0526	15.28	421.4	39.2
2/21 15:14	0.0401	13.64	14.32	0.0528	15.28	421.2	39.2
2/21 15:15	0.0401	13.65	14.33	0.0528	15.28	420.7	39.1
2/21 15:16	0.0401	13.71	14.39	0.0530	15.28	421.2	39.1
2/21 15:17	0.0401	13.68	14.34	0.0528	15.27	420.7	39.2
2/21 15:18	0.0401	13.65	14.28	0.0526	15.26	421.2	39.2
2/21 15:19	0.0401	13.63	14.31	0.0527	15.28	420.7	39.2
2/21 15:20	0.0401	13.60	14.28	0.0526	15.28	420.4	39.1
2/21 15:21	0.0401	13.62	14.30	0.0527	15.28	420.9	39.2
2/21 15:22	0.0401	13.62	14.27	0.0526	15.27	421.2	39.2
2/21 15:23	0.0401	13.64	14.29	0.0527	15.27	420.9	39.1
2/21 15:24	0.0401	13.64	14.29	0.0527	15.27	421.2	39.1
2/21 15:25	0.0401	13.68	14.31	0.0527	15.26	421.2	39.2
2/21 15:26	0.0401	13.72	14.43	0.0532	15.29	421.4	39.2
2/21 15:27	0.0401	13.71	14.39	0.0530	15.28	421.4	39.2
2/21 15:28	0.0401	13.65	14.43	0.0532	15.32	420.4	39.1
2/21 15:29	0.0401	13.65	14.36	0.0529	15.29	421.2	39.2
2/21 15:30	0.0401	13.62	14.45	0.0532	15.34	420.4	39.2
2/21 15:31	0.0401	13.56	14.31	0.0527	15.31	421.9	39.2
2/21 15:32	0.0401	13.58	14.26	0.0525	15.28	421.7	39.2
2/21 15:33	0.0401	13.66	14.34	0.0528	15.28	421.9	39.3
2/21 15:34	0.0401	13.70	14.41	0.0531	15.29	421.9	39.3
Average (all)	0.0401	13.65	14.34	0.0528	15.28	421.1	39.2
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.56	14.26	0.0525	15.26	420.4	39.1
Maximum (all)	0.0401	13.72	14.45	0.0532	15.34	421.9	39.3
Average (valid values only)	0.0401	13.65	14.34	0.0528	15.28	421.1	39.2
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R7

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 3:45 PM thru 2/21/2013 4:06 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 15:45	0.0401	13.80	14.51	0.0535	15.29	422.9	39.3
2/21 15:46	0.0401	13.83	14.49	0.0534	15.27	422.7	39.2
2/21 15:47	0.0401	13.83	14.54	0.0536	15.29	422.7	39.3
2/21 15:48	0.0401	13.83	14.52	0.0535	15.28	422.7	39.3
2/21 15:49	0.0401	13.75	14.38	0.0530	15.26	422.2	39.2
2/21 15:50	0.0401	13.69	14.35	0.0529	15.27	421.7	39.1
2/21 15:51	0.0401	13.62	14.27	0.0526	15.27	420.9	39.1
2/21 15:52	0.0401	13.56	14.31	0.0527	15.31	421.4	39.1
2/21 15:53	0.0401	13.59	14.37	0.0529	15.32	420.7	39.1
2/21 15:54	0.0401	13.62	14.40	0.0531	15.32	420.9	39.0
2/21 15:55	0.0401	13.64	14.42	0.0531	15.32	420.4	39.1
2/21 15:56	0.0401	13.63	14.41	0.0531	15.32	421.2	39.2
2/21 15:57	0.0401	13.62	14.40	0.0531	15.32	420.9	39.1
2/21 15:58	0.0401	13.58	14.36	0.0529	15.32	420.4	39.0
2/21 15:59	0.0401	13.56	14.34	0.0528	15.32	420.2	39.1
2/21 16:00	0.0401	13.58	14.36	0.0529	15.32	420.4	39.2
2/21 16:01	0.0401	13.65	14.43	0.0532	15.32	421.2	39.1
2/21 16:02	0.0401	13.61	14.39	0.0530	15.32	420.7	39.1
2/21 16:03	0.0401	13.64	14.42	0.0531	15.32	420.2	39.1
2/21 16:04	0.0401	13.63	14.39	0.0530	15.31	420.7	39.2
2/21 16:05	0.0401	13.74	14.48	0.0533	15.30	421.4	39.3
2/21 16:06	0.0401	13.83	14.57	0.0537	15.30	422.2	39.3
Average (all)	0.0401	13.67	14.41	0.0531	15.30	421.3	39.2
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.56	14.27	0.0526	15.26	420.2	39.0
Maximum (all)	0.0401	13.83	14.57	0.0537	15.32	422.9	39.3
Average (valid values only)	0.0401	13.67	14.41	0.0531	15.30	421.3	39.2
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R8

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 4:17 PM thru 2/21/2013 4:38 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 16:17	0.0401	13.80	14.51	0.0535	15.29	423.2	39.3
2/21 16:18	0.0401	13.80	14.44	0.0532	15.26	424.4	39.4
2/21 16:19	0.0401	13.79	14.43	0.0531	15.26	423.7	39.3
2/21 16:20	0.0401	13.79	14.43	0.0531	15.26	423.9	39.3
2/21 16:21	0.0401	13.74	14.37	0.0530	15.26	423.7	39.3
2/21 16:22	0.0401	13.84	14.45	0.0532	15.25	423.9	39.3
2/21 16:23	0.0401	13.94	14.56	0.0536	15.25	424.7	39.3
2/21 16:24	0.0401	13.95	14.57	0.0537	15.25	424.4	39.3
2/21 16:25	0.0401	13.99	14.61	0.0538	15.25	424.7	39.3
2/21 16:26	0.0401	13.99	14.61	0.0538	15.25	424.2	39.2
2/21 16:27	0.0401	14.08	14.70	0.0542	15.25	423.7	39.2
2/21 16:28	0.0401	14.15	14.78	0.0544	15.25	424.2	39.3
2/21 16:29	0.0402	14.15	14.78	0.0544	15.25	423.6	39.3
2/21 16:30	0.0402	14.14	14.71	0.0542	15.23	423.1	39.3
2/21 16:31	0.0402	14.23	14.89	0.0548	15.26	423.9	39.3
2/21 16:32	0.0402	14.28	14.96	0.0551	15.27	424.4	39.3
2/21 16:33	0.0402	14.34	14.97	0.0552	15.25	424.1	39.3
2/21 16:34	0.0403	14.37	15.01	0.0553	15.25	423.6	39.3
2/21 16:35	0.0403	14.33	14.96	0.0551	15.25	422.8	39.3
2/21 16:36	0.0403	14.11	14.73	0.0543	15.25	421.6	39.2
2/21 16:37	0.0403	13.98	14.60	0.0538	15.25	420.3	39.2
2/21 16:38	0.0404	13.86	14.45	0.0532	15.24	419.8	39.1
Average (all)	0.0402	14.03	14.66	0.0540	15.25	423.5	39.3
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.74	14.37	0.0530	15.23	419.8	39.1
Maximum (all)	0.0404	14.37	15.01	0.0553	15.29	424.7	39.4
Average (valid values only)	0.0402	14.03	14.66	0.0540	15.25	423.5	39.3
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

29

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 4:49 PM thru 2/21/2013 5:10 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 1) 75-NOx ppm 1-Min	(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
2/21 16:49	0.0404	14.01	14.63	0.0539	15.25	420.8	39.3
2/21 16:50	0.0404	14.06	14.68	0.0541	15.25	421.5	39.3
2/21 16:51	0.0404	14.05	14.67	0.0541	15.25	421.3	39.2
2/21 16:52	0.0403	14.08	14.73	0.0543	15.26	421.3	39.3
2/21 16:53	0.0404	14.08	14.78	0.0545	15.28	420.5	39.2
2/21 16:54	0.0404	14.02	14.72	0.0542	15.28	420.5	39.2
2/21 16:55	0.0404	13.92	14.61	0.0538	15.28	419.8	39.1
2/21 16:56	0.0404	13.90	14.54	0.0536	15.26	420.0	39.2
2/21 16:57	0.0404	13.87	14.46	0.0533	15.24	420.3	39.2
2/21 16:58	0.0404	13.91	14.53	0.0535	15.25	420.3	39.2
2/21 16:59	0.0404	13.95	14.57	0.0537	15.25	420.5	39.2
2/21 17:00	0.0404	13.92	14.54	0.0536	15.25	420.8	39.2
2/21 17:01	0.0404	13.96	14.60	0.0538	15.26	420.3	39.2
2/21 17:02	0.0404	13.92	14.54	0.0536	15.25	420.3	39.1
2/21 17:03	0.0404	13.91	14.53	0.0535	15.25	420.5	39.2
2/21 17:04	0.0403	13.81	14.40	0.0530	15.24	420.3	39.0
2/21 17:05	0.0403	13.74	14.30	0.0527	15.23	421.1	39.1
2/21 17:06	0.0403	13.76	14.34	0.0528	15.24	420.6	39.1
2/21 17:07	0.0403	13.82	14.43	0.0532	15.25	420.8	39.2
2/21 17:08	0.0403	13.86	14.45	0.0532	15.24	421.6	39.1
2/21 17:09	0.0403	13.87	14.48	0.0534	15.25	420.8	39.1
2/21 17:10	0.0404	13.86	14.45	0.0532	15.24	420.0	39.2
Average (all)	0.0404	13.92	14.54	0.0536	15.25	420.6	39.2
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0403	13.74	14.30	0.0527	15.23	419.8	39.0
Maximum (all)	0.0404	14.08	14.78	0.0545	15.28	421.6	39.3
Average (valid values only)	0.0404	13.92	14.54	0.0536	15.25	420.6	39.2
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

Unit 2

CeDAR 1-Minute Data

R1

ORANGE COGEN

Data for 2/21/2013 12:50 PM thru 2/21/2013 1:10 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 12:50	0.0401	13.28	14.07	0.0518	15.33	416.0	38.5
2/21 12:51	0.0401	13.29	14.10	0.0520	15.34	415.7	38.5
2/21 12:52	0.0401	13.31	14.10	0.0519	15.33	416.5	38.5
2/21 12:53	0.0401	13.31	14.10	0.0519	15.33	416.2	38.5
2/21 12:54	0.0401	13.31	14.10	0.0519	15.33	416.2	38.6
2/21 12:55	0.0401	13.33	14.12	0.0520	15.33	416.2	38.6
2/21 12:56	0.0401	13.31	14.12	0.0520	15.34	416.5	38.5
2/21 12:57	0.0401	13.31	14.10	0.0519	15.33	416.5	38.5
2/21 12:58	0.0401	13.32	14.11	0.0520	15.33	416.5	38.5
2/21 12:59	0.0401	13.35	14.14	0.0521	15.33	416.2	38.6
2/21 13:00	0.0401	13.39	14.18	0.0523	15.33	416.5	38.6
2/21 13:01	0.0401	13.36	14.15	0.0521	15.33	416.0	38.5
2/21 13:02	0.0401	13.41	14.20	0.0523	15.33	416.2	38.5
2/21 13:03	0.0401	13.40	14.19	0.0523	15.33	416.0	38.5
2/21 13:04	0.0401	13.40	14.19	0.0523	15.33	416.2	38.5
2/21 13:05	0.0401	13.39	14.18	0.0523	15.33	415.5	38.5
2/21 13:06	0.0401	13.39	14.18	0.0523	15.33	416.2	38.6
2/21 13:07	0.0401	13.44	14.24	0.0524	15.33	416.0	38.6
2/21 13:08	0.0401	13.43	14.23	0.0524	15.33	416.2	38.5
2/21 13:09	0.0401	13.42	14.22	0.0524	15.33	416.5	38.6
2/21 13:10	0.0401	13.39	14.18	0.0523	15.33	415.7	38.6
Average (all)	0.0401	13.36	14.15	0.0521	15.33	416.2	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.28	14.07	0.0518	15.33	415.5	38.5
Maximum (all)	0.0401	13.44	14.24	0.0524	15.34	416.5	38.6
Average (valid values only)	0.0401	13.36	14.15	0.0521	15.33	416.2	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	21	21	21	21	21	21	21

CeDAR 1-Minute Data

R 2

ORANGE COGEN

Data for 2/21/2013 1:02 PM thru 2/21/2013 1:23 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 13:02	0.0401	13.41	14.20	0.0523	15.33	416.2	38.5
2/21 13:03	0.0401	13.40	14.19	0.0523	15.33	416.0	38.5
2/21 13:04	0.0401	13.40	14.19	0.0523	15.33	416.2	38.5
2/21 13:05	0.0401	13.39	14.18	0.0523	15.33	415.5	38.5
2/21 13:06	0.0401	13.39	14.18	0.0523	15.33	416.2	38.6
2/21 13:07	0.0401	13.44	14.24	0.0524	15.33	416.0	38.6
2/21 13:08	0.0401	13.43	14.23	0.0524	15.33	416.2	38.5
2/21 13:09	0.0401	13.42	14.22	0.0524	15.33	416.5	38.6
2/21 13:10	0.0401	13.39	14.18	0.0523	15.33	415.7	38.6
2/21 13:11	0.0401	13.38	14.17	0.0522	15.33	415.7	38.5
2/21 13:12	0.0401	13.35	14.14	0.0521	15.33	415.7	38.4
2/21 13:13	0.0401	13.30	14.09	0.0519	15.33	416.5	38.5
2/21 13:14	0.0401	13.26	14.05	0.0517	15.33	415.7	38.5
2/21 13:15	0.0401	13.28	14.07	0.0518	15.33	415.5	38.5
2/21 13:16	0.0401	13.26	14.05	0.0517	15.33	415.5	38.5
2/21 13:17	0.0401	13.27	14.06	0.0518	15.33	415.2	38.5
2/21 13:18	0.0401	13.27	14.06	0.0518	15.33	415.2	38.5
2/21 13:19	0.0401	13.31	14.07	0.0518	15.32	415.0	38.5
2/21 13:20	0.0401	13.30	14.09	0.0519	15.33	415.5	38.4
2/21 13:21	0.0401	13.34	14.13	0.0521	15.33	415.7	38.5
2/21 13:22	0.0401	13.33	14.12	0.0520	15.33	415.7	38.6
2/21 13:23	0.0401	13.36	14.15	0.0521	15.33	415.7	38.5
Average (all)	0.0401	13.35	14.14	0.0521	15.33	415.8	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.26	14.05	0.0517	15.32	415.0	38.4
Maximum (all)	0.0401	13.44	14.24	0.0524	15.33	416.5	38.6
Average (valid values only)	0.0401	13.35	14.14	0.0521	15.33	415.8	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R3

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 1:38 PM thru 2/21/2013 1:59 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 13:38	0.0401	13.47	14.24	0.0525	15.32	415.7	38.5
2/21 13:39	0.0401	13.50	14.27	0.0526	15.32	416.0	38.5
2/21 13:40	0.0401	13.53	14.31	0.0527	15.32	415.5	38.5
2/21 13:41	0.0401	13.50	14.27	0.0526	15.32	416.0	38.6
2/21 13:42	0.0401	13.52	14.30	0.0527	15.32	416.0	38.5
2/21 13:43	0.0401	13.49	14.26	0.0525	15.32	416.0	38.5
2/21 13:44	0.0401	13.54	14.32	0.0527	15.32	415.5	38.5
2/21 13:45	0.0401	13.49	14.26	0.0525	15.32	415.2	38.5
2/21 13:46	0.0401	13.42	14.19	0.0523	15.32	415.7	38.4
2/21 13:47	0.0401	13.41	14.18	0.0522	15.32	415.2	38.5
2/21 13:48	0.0401	13.42	14.19	0.0523	15.32	415.0	38.5
2/21 13:49	0.0401	13.42	14.19	0.0523	15.32	415.0	38.4
2/21 13:50	0.0401	13.47	14.24	0.0525	15.32	415.7	38.5
2/21 13:51	0.0401	13.48	14.25	0.0525	15.32	415.5	38.5
2/21 13:52	0.0401	13.51	14.28	0.0526	15.32	416.0	38.5
2/21 13:53	0.0401	13.50	14.27	0.0526	15.32	416.0	38.5
2/21 13:54	0.0401	13.46	14.23	0.0524	15.32	415.7	38.6
2/21 13:55	0.0401	13.42	14.19	0.0523	15.32	415.7	38.5
2/21 13:56	0.0401	13.43	14.20	0.0523	15.32	416.2	38.5
2/21 13:57	0.0401	13.50	14.27	0.0526	15.32	416.0	38.5
2/21 13:58	0.0401	13.47	14.24	0.0525	15.32	415.7	38.5
2/21 13:59	0.0401	13.50	14.27	0.0526	15.32	415.5	38.5
Average (all)	0.0401	13.48	14.25	0.0525	15.32	415.7	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.41	14.18	0.0522	15.32	415.0	38.4
Maximum (all)	0.0401	13.54	14.32	0.0527	15.32	416.2	38.6
Average (valid values only)	0.0401	13.48	14.25	0.0525	15.32	415.7	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R4

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 2:09 PM thru 2/21/2013 2:30 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 14:09	0.0401	13.50	14.25	0.0525	15.31	415.7	38.5
2/21 14:10	0.0401	13.51 <25>	14.26 <25>	0.0525 <25>	15.31 <25>	415.5	38.5
2/21 14:11	0.0401	13.02 <25>	14.02 <25>	0.0516 <25>	15.42 <25>	416.0	38.5
2/21 14:12	0.0401	13.37	14.14	0.0521	15.32	415.2	38.4
2/21 14:13	0.0401	13.43	14.20	0.0523	15.32	415.7	38.6
2/21 14:14	0.0401	13.51	14.28	0.0526	15.32	416.0	38.5
2/21 14:15	0.0401	13.55	14.33	0.0528	15.32	416.0	38.5
2/21 14:16	0.0401	13.58	14.36	0.0529	15.32	415.7	38.5
2/21 14:17	0.0401	13.56	14.34	0.0528	15.32	415.5	38.5
2/21 14:18	0.0401	13.53	14.31	0.0527	15.32	415.7	38.5
2/21 14:19	0.0401	13.54	14.32	0.0527	15.32	415.5	38.4
2/21 14:20	0.0401	13.61	14.36	0.0529	15.31	415.7	38.5
2/21 14:21	0.0401	13.57	14.35	0.0529	15.32	415.2	38.4
2/21 14:22	0.0401	13.56	14.34	0.0528	15.32	415.2	38.4
2/21 14:23	0.0401	13.53	14.31	0.0527	15.32	415.2	38.5
2/21 14:24	0.0401	13.51	14.26	0.0525	15.31	414.7	38.5
2/21 14:25	0.0401	13.45	14.20	0.0523	15.31	415.0	38.4
2/21 14:26	0.0401	13.44	14.19	0.0523	15.31	415.0	38.5
2/21 14:27	0.0401	13.43	14.17	0.0522	15.31	415.5	38.5
2/21 14:28	0.0401	13.51	14.26	0.0525	15.31	415.5	38.5
2/21 14:29	0.0401	13.56	14.31	0.0527	15.31	415.5	38.5
2/21 14:30	0.0401	13.58	14.33	0.0528	15.31	415.5	38.5

Q4

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
Average (all)	0.0401	13.49	14.27	0.0526	15.32	415.5	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.02	14.02	0.0516	15.31	414.7	38.4
Maximum (all)	0.0401	13.61	14.36	0.0529	15.42	416.0	38.6
Average (valid values only)	0.0401	13.52	14.28	0.0526	15.32	415.5	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	20	20	20	20	22	22

<25> = Backflush

R5

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 2:41 PM thru 2/21/2013 3:02 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 14:41	0.0401	13.52	14.24	0.0525	15.30	416.0	38.5
2/21 14:42	0.0401	13.52	14.24	0.0525	15.30	416.0	38.5
2/21 14:43	0.0401	13.54	14.27	0.0526	15.30	416.0	38.5
2/21 14:44	0.0401	13.59	14.32	0.0527	15.30	415.7	38.5
2/21 14:45	0.0401	13.59	14.32	0.0527	15.30	416.2	38.5
2/21 14:46	0.0401	13.60	14.33	0.0528	15.30	416.2	38.5
2/21 14:47	0.0401	13.63	14.36	0.0529	15.30	415.7	38.5
2/21 14:48	0.0401	13.62	14.35	0.0529	15.30	415.7	38.5
2/21 14:49	0.0401	13.65	14.38	0.0530	15.30	416.0	38.5
2/21 14:50	0.0401	13.61	14.34	0.0528	15.30	415.7	38.5
2/21 14:51	0.0401	13.63	14.36	0.0529	15.30	415.7	38.5
2/21 14:52	0.0401	13.66	14.39	0.0530	15.30	416.0	38.5
2/21 14:53	0.0401	13.66	14.39	0.0530	15.30	415.7	38.6
2/21 14:54	0.0401	13.65	14.38	0.0530	15.30	416.0	38.5
2/21 14:55	0.0401	13.66	14.39	0.0530	15.30	415.7	38.5
2/21 14:56	0.0401	13.67	14.40	0.0531	15.30	416.0	38.5
2/21 14:57	0.0401	13.69	14.42	0.0531	15.30	416.0	38.6
2/21 14:58	0.0401	13.65	14.38	0.0530	15.30	415.5	38.6
2/21 14:59	0.0401	13.64	14.37	0.0529	15.30	415.5	38.5
2/21 15:00	0.0401	13.62	14.35	0.0529	15.30	415.0	38.5
2/21 15:01	0.0401	13.60	14.33	0.0528	15.30	415.5	38.5
2/21 15:02	0.0401	13.59	14.32	0.0527	15.30	415.2	38.5
Average (all)	0.0401	13.62	14.35	0.0529	15.30	415.8	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.52	14.24	0.0525	15.30	415.0	38.5
Maximum (all)	0.0401	13.69	14.42	0.0531	15.30	416.2	38.6
Average (valid values only)	0.0401	13.62	14.35	0.0529	15.30	415.8	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

RL

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 3:13 PM thru 2/21/2013 3:34 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 15:13	0.0401	13.59	14.32	0.0527	15.30	415.0	38.5
2/21 15:14	0.0401	13.58	14.31	0.0527	15.30	414.7	38.5
2/21 15:15	0.0401	13.56	14.29	0.0526	15.30	414.7	38.4
2/21 15:16	0.0401	13.56	14.29	0.0526	15.30	414.5	38.4
2/21 15:17	0.0401	13.57	14.30	0.0527	15.30	414.7	38.5
2/21 15:18	0.0401	13.57	14.30	0.0527	15.30	414.5	38.5
2/21 15:19	0.0401	13.58	14.31	0.0527	15.30	414.7	38.5
2/21 15:20	0.0401	13.59	14.32	0.0527	15.30	414.5	38.4
2/21 15:21	0.0401	13.61	14.34	0.0528	15.30	415.0	38.4
2/21 15:22	0.0401	13.54	14.27	0.0526	15.30	414.5	38.4
2/21 15:23	0.0401	13.54	14.27	0.0526	15.30	414.7	38.4
2/21 15:24	0.0401	13.57	14.30	0.0527	15.30	414.5	38.4
2/21 15:25	0.0401	13.56	14.29	0.0526	15.30	414.7	38.5
2/21 15:26	0.0401	13.53	14.25	0.0525	15.30	415.2	38.4
2/21 15:27	0.0401	13.55	14.28	0.0526	15.30	414.7	38.5
2/21 15:28	0.0401	13.56	14.29	0.0526	15.30	414.5	38.4
2/21 15:29	0.0401	13.52	14.24	0.0525	15.30	415.0	38.4
2/21 15:30	0.0401	13.55	14.28	0.0526	15.30	414.7	38.4
2/21 15:31	0.0401	13.56	14.29	0.0526	15.30	415.2	38.5
2/21 15:32	0.0401	13.54	14.27	0.0526	15.30	415.2	38.5
2/21 15:33	0.0401	13.58	14.31	0.0527	15.30	415.2	38.5
2/21 15:34	0.0401	13.62	14.35	0.0529	15.30	415.2	38.5
Average (all)	0.0401	13.57	14.29	0.0527	15.30	414.8	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.52	14.24	0.0525	15.30	414.5	38.4
Maximum (all)	0.0401	13.62	14.35	0.0529	15.30	415.2	38.5
Average (valid values only)	0.0401	13.57	14.29	0.0527	15.30	414.8	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 3:45 PM thru 2/21/2013 4:06 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 15:45	0.0401	13.60	14.33	0.0528	15.30	415.7	38.5
2/21 15:46	0.0401	13.69	14.40	0.0530	15.29	415.7	38.5
2/21 15:47	0.0401	13.59	14.32	0.0527	15.30	415.7	38.6
2/21 15:48	0.0401	13.58	14.31	0.0527	15.30	415.0	38.5
2/21 15:49	0.0401	13.56	14.29	0.0526	15.30	415.2	38.4
2/21 15:50	0.0401	13.53	14.25	0.0525	15.30	414.7	38.5
2/21 15:51	0.0401	13.55	14.28	0.0526	15.30	415.2	38.5
2/21 15:52	0.0401	13.56	14.26	0.0525	15.29	415.0	38.5
2/21 15:53	0.0401	13.54	14.24	0.0525	15.29	414.5	38.4
2/21 15:54	0.0401	13.49	14.19	0.0523	15.29	414.0	38.4
2/21 15:55	0.0401	13.51	14.21	0.0523	15.29	414.5	38.4
2/21 15:56	0.0401	13.54	14.24	0.0525	15.29	414.2	38.4
2/21 15:57	0.0401	13.51	14.21	0.0523	15.29	415.0	38.5
2/21 15:58	0.0401	13.51	14.21	0.0523	15.29	414.2	38.5
2/21 15:59	0.0401	13.54	14.24	0.0525	15.29	414.2	38.4
2/21 16:00	0.0401	13.57	14.27	0.0526	15.29	414.5	38.5
2/21 16:01	0.0401	13.56	14.26	0.0525	15.29	414.2	38.4
2/21 16:02	0.0401	13.54	14.24	0.0525	15.29	414.2	38.5
2/21 16:03	0.0401	13.55	14.25	0.0525	15.29	414.5	38.5
2/21 16:04	0.0401	13.60	14.30	0.0527	15.29	414.2	38.4
2/21 16:05	0.0401	13.56	14.26	0.0525	15.29	414.7	38.5
2/21 16:06	0.0401	13.56	14.26	0.0525	15.29	415.0	38.5
Average (all)	0.0401	13.56	14.26	0.0525	15.29	414.7	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.49	14.19	0.0523	15.29	414.0	38.4
Maximum (all)	0.0401	13.69	14.40	0.0530	15.30	415.7	38.6
Average (valid values only)	0.0401	13.56	14.26	0.0525	15.29	414.7	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R8

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 4:17 PM thru 2/21/2013 4:38 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 16:17	0.0401	13.62	14.32	0.0528	15.29	416.5	38.6
2/21 16:18	0.0401	13.64	14.35	0.0528	15.29	416.2	38.5
2/21 16:19	0.0401	13.62	14.32	0.0528	15.29	416.7	38.5
2/21 16:20	0.0401	13.61	14.31	0.0527	15.29	417.0	38.5
2/21 16:21	0.0401	13.65	14.36	0.0529	15.29	416.7	38.5
2/21 16:22	0.0401	13.66	14.37	0.0529	15.29	416.7	38.5
2/21 16:23	0.0401	13.66	14.37	0.0529	15.29	416.7	38.5
2/21 16:24	0.0401	13.68	14.39	0.0530	15.29	416.7	38.6
2/21 16:25	0.0401	13.69	14.40	0.0530	15.29	416.7	38.5
2/21 16:26	0.0401	13.73	14.44	0.0532	15.29	416.2	38.5
2/21 16:27	0.0401	13.82	14.53	0.0535	15.29	416.5	38.5
2/21 16:28	0.0401	13.87	14.59	0.0537	15.29	416.2	38.6
2/21 16:29	0.0402	13.86	14.58	0.0537	15.29	415.4	38.5
2/21 16:30	0.0402	13.86	14.58	0.0537	15.29	415.4	38.6
2/21 16:31	0.0402	13.87	14.59	0.0537	15.29	415.2	38.5
2/21 16:32	0.0402	13.89	14.61	0.0538	15.29	415.7	38.5
2/21 16:33	0.0402	13.90	14.62	0.0539	15.29	415.2	38.6
2/21 16:34	0.0403	13.87	14.59	0.0537	15.29	414.1	38.4
2/21 16:35	0.0403	13.89	14.61	0.0538	15.29	414.1	38.6
2/21 16:36	0.0403	13.88	14.60	0.0538	15.29	414.1	38.5
2/21 16:37	0.0403	13.86	14.58	0.0537	15.29	413.9	38.5
2/21 16:38	0.0404	13.76	14.50	0.0534	15.30	412.4	38.4
Average (all)	0.0402	13.77	14.48	0.0533	15.29	415.7	38.5
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0401	13.61	14.31	0.0527	15.29	412.4	38.4
Maximum (all)	0.0404	13.90	14.62	0.0539	15.30	417.0	38.6
Average (valid values only)	0.0402	13.77	14.48	0.0533	15.29	415.7	38.5
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

R9

CeDAR 1-Minute Data

ORANGE COGEN

Data for 2/21/2013 4:49 PM thru 2/21/2013 5:10 PM

Timestamp	Gas Density lb/scf 1-Min	(Turbine - 2) 75-NOx ppm 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	(Turbine - 2) CT Megawatts 1-Min
2/21 16:49	0.0404	13.58	14.33	0.0528	15.31	410.9	38.2
2/21 16:50	0.0404	13.51	14.26	0.0525	15.31	410.9	38.2
2/21 16:51	0.0404	13.42	14.16	0.0522	15.31	410.6	38.2
2/21 16:52	0.0403	13.40	14.17	0.0522	15.32	411.4	38.2
2/21 16:53	0.0404	13.45	14.22	0.0524	15.32	410.4	38.2
2/21 16:54	0.0404	13.46	14.23	0.0524	15.32	410.1	38.2
2/21 16:55	0.0404	13.40	14.14	0.0521	15.31	410.1	38.1
2/21 16:56	0.0404	13.38	14.12	0.0520	15.31	410.4	38.1
2/21 16:57	0.0404	13.37	14.14	0.0521	15.32	409.9	38.1
2/21 16:58	0.0404	13.35	14.12	0.0520	15.32	410.1	38.1
2/21 16:59	0.0404	13.35	14.12	0.0520	15.32	410.4	38.1
2/21 17:00	0.0404	13.36	14.13	0.0520	15.32	410.6	38.1
2/21 17:01	0.0404	13.36	14.10	0.0519	15.31	410.1	38.1
2/21 17:02	0.0404	13.39	14.13	0.0521	15.31	410.4	38.1
2/21 17:03	0.0404	13.37	14.11	0.0520	15.31	410.4	38.1
2/21 17:04	0.0403	13.33	14.09	0.0519	15.32	411.2	38.1
2/21 17:05	0.0403	13.31	14.07	0.0518	15.32	411.2	38.1
2/21 17:06	0.0403	13.35	14.12	0.0520	15.32	410.2	38.1
2/21 17:07	0.0403	13.35	14.12	0.0520	15.32	410.7	38.1
2/21 17:08	0.0403	13.36	14.13	0.0520	15.32	410.9	38.1
2/21 17:09	0.0403	13.38	14.15	0.0521	15.32	410.9	38.0
2/21 17:10	0.0404	13.38	14.12	0.0520	15.31	409.4	38.0
Average (all)	0.0404	13.39	14.15	0.0521	15.32	410.5	38.1
Total (all)	--	--	--	--	--	--	--
Minimum (all)	0.0403	13.31	14.07	0.0518	15.31	409.4	38.0
Maximum (all)	0.0404	13.58	14.33	0.0528	15.32	411.4	38.2
Average (valid values only)	0.0404	13.39	14.15	0.0521	15.32	410.5	38.1
Total (valid values only)	--	--	--	--	--	--	--
Count (valid values only)	22	22	22	22	22	22	22

Appendix B: Mathematical Equations

Relative Accuracy Calculations

Average

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

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

Where:

$\overline{d}$ = The arithmetic mean

n = The number of data points

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

Standard Deviation

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

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

Where:

d_i = The individual differences

n = The number of data points

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

Relative Accuracy Calculations, continued

Confidence Coefficient

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

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

Where:

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

Table 2-1 (t-values)

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

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

Relative Accuracy

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

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

Where:

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

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

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

Relative Accuracy Calculations, continued

Bias Test

If the mean difference, $|\overline{d}|$, 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:

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

Where:

BAF = Bias adjustment factor, rounded to the nearest thousandth

$|\overline{d}|$ = 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 ppm @ 15% O_2

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

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

Where:

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

C_d = Pollutant concentration, dry basis, ppm

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

Emissions Rates in lbs/mmBtu

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

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

Where:

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

Table 19-1: Conversion Factors For Concentrations.

From	To	Multiply by
ppm SO_2	lb/scf	1.660×10^{-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}

Heat Input Calculations in mmBtu/hr

When heat input rate from the combustion of gas is determined, Equation D-6 of 40CFR75, Appendix D is utilized.

$$HI_{rate-gas} = \frac{GAS_{rate} \times GCV_{gas}}{1000000} \qquad \text{Eq. D-6}$$

Where:

$HI_{rate-gas}$ =Hourly heat input rate from combustion of gas, mmBtu/hr

GAS_{rate} =Mass rate of gas consumed per hour, in lb/hr

GCV_{gas} =Gross calorific value of gas, Btu/lb

1000000 =Conversion of Btu to mmBtu

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

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

Part Number:	E02AI99E15A1704	Reference Number:	122-124312822-4
Cylinder Number:	CC337489	Cylinder Volume:	127 Cu.Ft.
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	1750 PSIG
PGVP Number:	B22012	Valve Outlet:	660
Gas Code:	NO2	Analysis Date:	Apr 12, 2012

Expiration Date: Apr 12, 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
NITROGEN DIOXIDE	50.00 PPM	49.39 PPM	G1	+/- 2%
Air	Balance			

CALIBRATION STANDARDS

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

ANALYTICAL EQUIPMENT

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

Triad Data Available Upon Request

Notes:

Approved for Release

Airgas

Airgas Specialty Products
Airgas Specialty Gasses
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:	122-124338877-1
Cylinder Number:	CC417218	Cylinder Volume:	151 Cu.Ft.
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22012	Valve Outlet:	590
Gas Code:	OC2	Analysis Date:	Oct 01, 2012

Expiration Date: Oct 01, 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	9.500 %	9.538 %	G1	+/- 1% NIST Traceable
OXYGEN	10.00 %	9.928 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
090606	090606	CC262103	9.921% CARBON DIOXIDE/NITROGEN	Apr 10, 2013
NTRM	82658	SG9163064BAL	9.507% OXYGEN/NITROGEN	Dec 01, 2015

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

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:	E03NI60E15A03W3	Reference Number:	122-124294448-1
Cylinder Number:	XC035605B	Cylinder Volume:	159 Cu.Ft.
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22011	Valve Outlet:	590
		Analysis Date:	Dec 15, 2011

Expiration Date: Dec 15, 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
CARBON DIOXIDE	19.00 %	18.99 %	G1	+/- 1% NIST Traceable
OXYGEN	20.50 %	20.48 %	G1	+/- 1% NIST Traceable
NITROGEN	Balance			

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Expiration Date
NTRM	060608	CC207968	22.51% OXYGEN/NITROGEN	May 01, 2016
NTRM	080613	CC254469	20.09% CARBON DIOXIDE/NITROGEN	Jul 15, 2012

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Horiba VIA-510 CO2	Infrared	Nov 30, 2011
Horiba MPA-510 O2 (0-25%)	Paramagnetic	Nov 30, 2011

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:	122-124294449-1
Cylinder Number:	CC365285	Cylinder Volume:	144 Cu.Ft.
Laboratory:	ASG - Durham - NC	Cylinder Pressure:	2015 PSIG
PGVP Number:	B22011	Valve Outlet:	660
		Analysis Date:	Dec 20, 2011

Expiration Date: Dec 20, 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	46.22 PPM	G1	+/- 1% NIST Traceable
NITROGEN	Balance			
Total oxides of nitrogen		46.25 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	

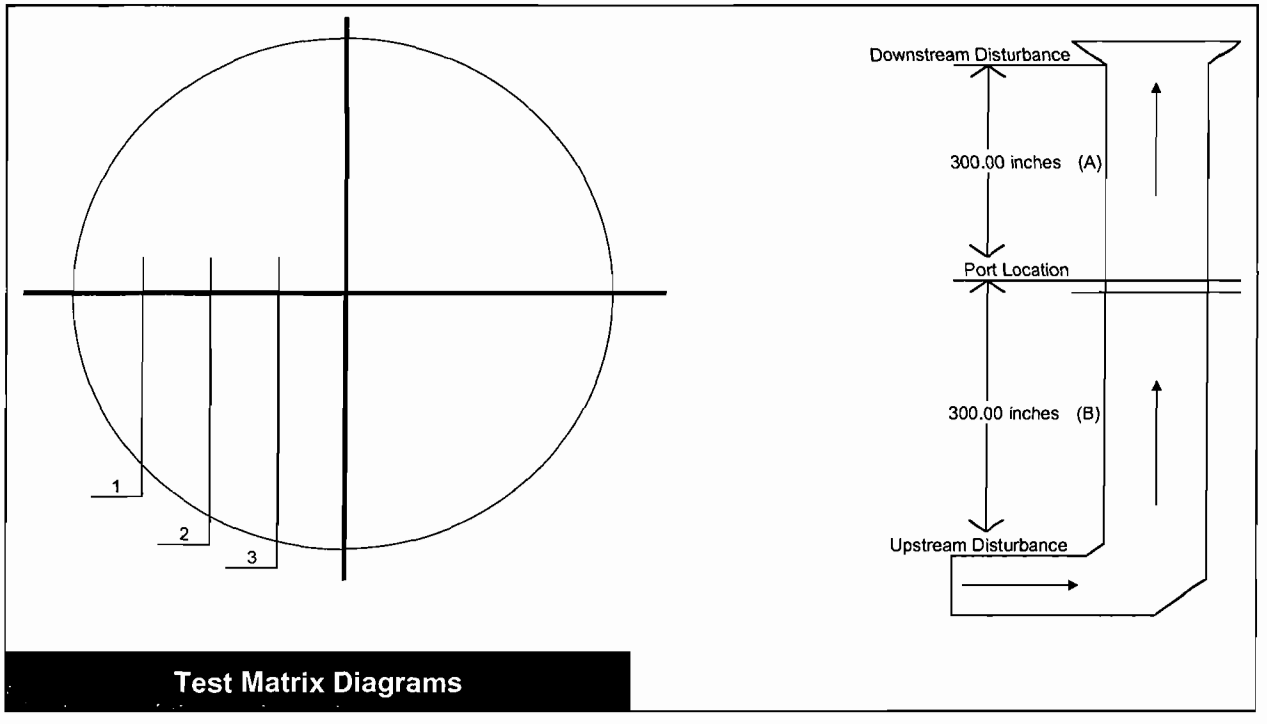
C.E.M. Solutions, INC.

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 Cogen
Unit 1
Date:2/21/13

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

Oxygen Monitor

Method 3A

Full Scale: 25.00 %

Serial Number: 1420D/3379

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC96424/cg1	0.00 %	-0.03 %	-0.03 %	-0.15 %
CC417218/cg2	9.93 %	9.91 %	-0.02 %	-0.09 %
XC035605B/cg3	20.48 %	20.46 %	-0.02 %	-0.10 %

Nitrogen Oxides Monitor

Method 7E

Full Scale: 20.0 ppm

Serial Number: 1200951381

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC96424/cg1	0.0 ppm	0.0 ppm	0.0 ppm	0.00 %
CC410976/cg6	19.63 ppm	19.1 ppm	-0.5 ppm	-1.15 %
CC365285/cg4	46.22 ppm	46.3 ppm	0.1 ppm	0.17 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.07 %	0.49 %	0.05 %	0.39 %	-0.10 %
O_2	9.91 %	9.87 %	-0.20 %	9.85 %	-0.29 %	-0.10 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.2 ppm	0.43 %	0.00 %
NO_X	19.1 ppm	18.9 ppm	-0.43 %	19.3 ppm	0.43 %	0.87 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.05 %	0.39 %	0.10 %	0.63 %	0.24 %
O_2	9.91 %	9.85 %	-0.29 %	9.89 %	-0.10 %	0.20 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.1 ppm	0.22 %	-0.22 %
NO_X	19.1 ppm	19.3 ppm	0.43 %	18.9 ppm	-0.43 %	-0.87 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.10 %	0.63 %	0.05 %	0.39 %	-0.24 %
O_2	9.91 %	9.89 %	-0.10 %	9.81 %	-0.49 %	-0.39 %
NO_X	0.0 ppm	0.1 ppm	0.22 %	0.2 ppm	0.43 %	0.22 %
NO_X	19.1 ppm	18.9 ppm	-0.43 %	19.2 ppm	0.22 %	0.65 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.05 %	0.39 %	0.09 %	0.59 %	0.20 %
O_2	9.91 %	9.81 %	-0.49 %	9.91 %	0.00 %	0.49 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.1 ppm	0.22 %	-0.22 %
NO_X	19.1 ppm	19.2 ppm	0.22 %	19.0 ppm	-0.22 %	-0.43 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.09 %	0.59 %	0.05 %	0.39 %	-0.20 %
O_2	9.91 %	9.91 %	0.00 %	9.83 %	-0.39 %	-0.39 %
NO_X	0.0 ppm	0.1 ppm	0.22 %	0.2 ppm	0.43 %	0.22 %
NO_X	19.1 ppm	19.0 ppm	-0.22 %	19.2 ppm	0.22 %	0.43 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.05 %	0.39 %	0.07 %	0.49 %	0.10 %
O_2	9.91 %	9.83 %	-0.39 %	9.89 %	-0.10 %	0.29 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.0 ppm	0.00 %	-0.43 %
NO_X	19.1 ppm	19.2 ppm	0.22 %	19.0 ppm	-0.22 %	-0.43 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.07 %	0.49 %	0.05 %	0.39 %	-0.10 %
O_2	9.91 %	9.89 %	-0.10 %	9.81 %	-0.49 %	-0.39 %
NO_X	0.0 ppm	0.0 ppm	0.00 %	0.2 ppm	0.43 %	0.43 %
NO_X	19.1 ppm	19.0 ppm	-0.22 %	19.2 ppm	0.22 %	0.43 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.05 %	0.39 %	0.10 %	0.63 %	0.24 %
O_2	9.91 %	9.81 %	-0.49 %	9.88 %	-0.15 %	0.34 %
NO_X	0.0 ppm	0.2 ppm	0.43 %	0.1 ppm	0.22 %	-0.22 %
NO_X	19.1 ppm	19.2 ppm	0.22 %	19.0 ppm	-0.22 %	-0.43 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.03 %	0.10 %	0.63 %	0.05 %	0.39 %	-0.24 %
O_2	9.91 %	9.88 %	-0.15 %	9.81 %	-0.49 %	-0.34 %
NO_X	0.0 ppm	0.1 ppm	0.22 %	0.2 ppm	0.43 %	0.22 %
NO_X	19.1 ppm	19.0 ppm	-0.22 %	19.2 ppm	0.22 %	0.43 %

Unit 2

Calibration Error Tests
Bias and Drift Tests

Analyzer Calibration Error

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Oxygen Monitor

Method 3A

Full Scale: 25.00 %

Serial Number: 144001V02/4149

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC96424/cg1	0.00 %	-0.02 %	-0.02 %	-0.10 %
CC417218/cg2	9.93 %	10.04 %	0.11 %	0.55 %
XC035605B/cg3	20.48 %	20.49 %	0.01 %	0.05 %

Nitrogen Oxides Monitor

Method 7E

Full Scale: 20.0 ppm

Serial Number: 1016942787

Cylinder Number	Reference Gas Concentration	Analyzer Response	Difference	Calibration Error (%)
CC96424/cg1	0.0 ppm	0.0 ppm	0.0 ppm	0.00 %
CC410976/cg6	19.63 ppm	19.1 ppm	-0.5 ppm	-1.15 %
CC365285/cg4	46.22 ppm	46.2 ppm	0.0 ppm	-0.04 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Monitor Type	Analyzer Cal Response	Initial Cal Value	Pre Run Bias (%)	Final Cal Value	Post Run Bias (%)	Total Run Drift (%)
O_2	-0.02 %	0.10 %	0.59 %	0.05 %	0.34 %	-0.24 %
O_2	10.04 %	9.85 %	-0.93 %	9.84 %	-0.98 %	-0.05 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.4 ppm	0.87 %	0.22 %
NO_X	19.1 ppm	19.0 ppm	-0.22 %	19.4 ppm	0.65 %	0.87 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.05 %	0.34 %	0.13 %	0.73 %	0.39 %
O_2	10.04 %	9.84 %	-0.98 %	9.91 %	-0.63 %	0.34 %
NO_X	0.0 ppm	0.4 ppm	0.87 %	0.3 ppm	0.65 %	-0.22 %
NO_X	19.1 ppm	19.4 ppm	0.65 %	19.1 ppm	0.00 %	-0.65 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.13 %	0.73 %	0.05 %	0.34 %	-0.39 %
O_2	10.04 %	9.91 %	-0.63 %	9.78 %	-1.27 %	-0.63 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.5 ppm	1.08 %	0.43 %
NO_X	19.1 ppm	19.1 ppm	0.00 %	19.4 ppm	0.65 %	0.65 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.05 %	0.34 %	0.12 %	0.68 %	0.34 %
O_2	10.04 %	9.78 %	-1.27 %	9.93 %	-0.54 %	0.73 %
NO_X	0.0 ppm	0.5 ppm	1.08 %	0.4 ppm	0.87 %	-0.22 %
NO_X	19.1 ppm	19.4 ppm	0.65 %	19.2 ppm	0.22 %	-0.43 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.12 %	0.68 %	0.05 %	0.34 %	-0.34 %
O_2	10.04 %	9.93 %	-0.54 %	9.82 %	-1.07 %	-0.54 %
NO_X	0.0 ppm	0.4 ppm	0.87 %	0.4 ppm	0.87 %	0.00 %
NO_X	19.1 ppm	19.2 ppm	0.22 %	19.4 ppm	0.65 %	0.43 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.05 %	0.34 %	0.08 %	0.49 %	0.15 %
O_2	10.04 %	9.82 %	-1.07 %	9.91 %	-0.63 %	0.44 %
NO_X	0.0 ppm	0.4 ppm	0.87 %	0.3 ppm	0.65 %	-0.22 %
NO_X	19.1 ppm	19.4 ppm	0.65 %	19.1 ppm	0.00 %	-0.65 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.08 %	0.49 %	0.04 %	0.29 %	-0.20 %
O_2	10.04 %	9.91 %	-0.63 %	9.79 %	-1.22 %	-0.59 %
NO_X	0.0 ppm	0.3 ppm	0.65 %	0.5 ppm	1.08 %	0.43 %
NO_X	19.1 ppm	19.1 ppm	0.00 %	19.4 ppm	0.65 %	0.65 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.04 %	0.29 %	0.14 %	0.78 %	0.49 %
O_2	10.04 %	9.79 %	-1.22 %	9.89 %	-0.73 %	0.49 %
NO_X	0.0 ppm	0.5 ppm	1.08 %	0.4 ppm	0.87 %	-0.22 %
NO_X	19.1 ppm	19.4 ppm	0.65 %	19.1 ppm	0.00 %	-0.65 %

Sampling System Bias and Drift

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

Test Performed By:
C.E.M. Solutions Inc.
1183 E. Overdrive Circle.
Hernando, FL
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 %	0.78 %	0.05 %	0.34 %	-0.44 %
O_2	10.04 %	9.89 %	-0.73 %	9.80 %	-1.17 %	-0.44 %
NO_X	0.0 ppm	0.4 ppm	0.87 %	0.5 ppm	1.08 %	0.22 %
NO_X	19.1 ppm	19.1 ppm	0.00 %	19.4 ppm	0.65 %	0.65 %

NO2 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) =	49.39	Eff NO_2 =	99.4%
Analyzer Value (C_{dir}) =	49.1		

99.4% = 49.1 / 49.39 * 100

Date:	2/21/2013
Technician:	Savin
Analyzer S/N:	1200951381
NO_2 Cylinder S/N:	CC337489
NO_2 Cylinder Expiration Date:	4/12/2014

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) =	49.39	Eff NO_2 =	99.4%
Analyzer Value (C_{dir}) =	49.1		

99.4%	=	49.1	/	49.39	*	100

Date:	2/21/2013
Technician:	Savin
Analyzer S/N:	1016942787
NO_2 Cylinder S/N:	CC337489
NO_2 Cylinder Expiration Date:	4/12/2014

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

Instrument Analyzer Response Time Tests

C.E.M. Solutions, Inc.
Analyzer Response Time Test

Date of test:	2/21/2013
Plant:	Northernstar-Orange Cogen
Unit Number:	Unit 1
Fuel:	Natural Gas
Analyzer type:	NOx
Serial Number:	1200951381
Up Scale Gas:	9.447
Calibration Span:	19.63

Upscale:

115 Seconds

Downscale:

110 Seconds

System response time:	120
Slower average time:	115

C.E.M. Solutions, Inc.
Analyzer Response Time Test

Date of test:	2/21/2013
Plant:	rthernstar-Orange Coc
Unit Number:	Unit 1
Fuel:	Natural Gas
Analyzer type:	O2
Serial Number:	01420D/3379
Up Scale Gas:	9.928
Calibration Span:	20.48

Upscale:

120 Seconds

Downscale:

120 Seconds

System response time:	120
Slower average time:	120

C.E.M. Solutions, Inc.
Analyzer Response Time Test

Date of test:	2/21/2013
Plant:	rthernstar-Orange Coc
Unit Number:	Unit 2
Fuel:	Natural Gas
Analyzer type:	NOx
Serial Number:	1016942787
Up Scale Gas:	9.447
Calibration Span:	19.63

Upscale:

115 Seconds

Downscale:

115 Seconds

System response time:	120
Slower average time:	115

C.E.M. Solutions, Inc.
Analyzer Response Time Test

Date of test:	2/21/2013
Plant:	rthernstar-Orange Coc
Unit Number:	Unit 2
Fuel:	Natural Gas
Analyzer type:	O2
Serial Number:	0144001V02/4149
Up Scale Gas:	9.928
Calibration Span:	20.48

Upscale:

120 Seconds

Downscale:

120 Seconds

System response time:	120
Slower average time:	120

Appendix F: Reference Method Data

Unit 1

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	*Initial Calibration*	*Final Calibration*	Average
0.00 percent O_2	0.07 %	0.05 %	0.06
9.93 percent O_2	9.87 %	9.85 %	9.86
0.0 ppm NO_X	0.2 ppm	0.2 ppm	0.19
19.6 ppm NO_X	18.9 ppm	19.3 ppm	19.07

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.11 percent O_2	**15.20** percent O_2	DRY
13.1 ppm NO_X	**13.4** ppm NO_X	DRY

Emission Calculations:

0.0510 NO_X Lbs/mmBtu from O_2

13.9 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.00 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.10 %	0.08
9.93 percent O_2	9.85 %	9.89 %	9.87
0.0 ppm NO_X	0.2 ppm	0.1 ppm	0.16
19.6 ppm NO_X	19.3 ppm	18.9 ppm	19.10

Mean Reference Values:
15.11 percent O_2
13.1 ppm NO_X

Corrected Results:
15.20 percent O_2
13.4 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0510 NO_X Lbs/mmBtu from O_2

13.9 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	*Initial Calibration*	*Final Calibration*	*Average*
0.00 percent O_2	0.10 %	0.05 %	0.07
9.93 percent O_2	9.89 %	9.81 %	9.85
0.0 ppm NO_X	0.1 ppm	0.2 ppm	0.16
19.6 ppm NO_X	18.9 ppm	19.2 ppm	19.04

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.09 percent O_2	**15.20** percent O_2	DRY
13.1 ppm NO_X	**13.5** ppm NO_X	DRY

Emission Calculations:

0.0510 NO_X Lbs/mmBtu from O_2

14.0 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.09 %	0.07
9.93 percent O_2	9.81 %	9.91 %	9.86
0.0 ppm NO_X	0.2 ppm	0.1 ppm	0.16
19.6 ppm NO_X	19.2 ppm	19.0 ppm	19.06

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.08 percent O_2	**15.20** percent O_2	DRY
13.1 ppm NO_X	**13.4** ppm NO_X	DRY

Emission Calculations:

0.0510 NO_X Lbs/mmBtu from O_2

13.9 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.09 %	0.05 %	0.07
9.93 percent O_2	9.91 %	9.83 %	9.87
0.0 ppm NO_X	0.1 ppm	0.2 ppm	0.14
19.6 ppm NO_X	19.0 ppm	19.2 ppm	19.08

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.07 percent O_2	**15.20** percent O_2	DRY
13.2 ppm NO_X	**13.6** ppm NO_X	DRY

Emission Calculations:

0.0520 NO_X Lbs/mmBtu from O_2

14.1 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.07 %	0.06
9.93 percent O_2	9.83 %	9.89 %	9.86
0.0 ppm NO_X	0.2 ppm	0.0 ppm	0.12
19.6 ppm NO_X	19.2 ppm	19.0 ppm	19.11

Mean Reference Values:
15.07 percent O_2
13.2 ppm NO_X

Corrected Results: **Basis:**
15.20 percent O_2 DRY
13.5 ppm NO_X DRY

Emission Calculations:
0.0510 NO_X Lbs/mmBtu from O_2

14.0 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.07 %	0.05 %	0.06
9.93 percent O_2	9.89 %	9.81 %	9.85
0.0 ppm NO_X	0.0 ppm	0.2 ppm	0.12
19.6 ppm NO_X	19.0 ppm	19.2 ppm	19.12

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.06 percent O_2	**15.20** percent O_2	DRY
13.2 ppm NO_X	**13.5** ppm NO_X	DRY

Emission Calculations:

0.0510 NO_X Lbs/mmBtu from O_2

14.0 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.10 %	0.07
9.93 percent O_2	9.81 %	9.88 %	9.84
0.0 ppm NO_X	0.2 ppm	0.1 ppm	0.12
19.6 ppm NO_X	19.2 ppm	19.0 ppm	19.10

Mean Reference Values:
15.06 percent O_2
13.6 ppm NO_X

Corrected Results:
15.20 percent O_2
13.9 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0530 NO_X Lbs/mmBtu from O_2

14.4 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 1
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.10 %	0.05 %	0.07
9.93 percent O_2	9.88 %	9.81 %	9.84
0.0 ppm NO_X	0.1 ppm	0.2 ppm	0.11
19.6 ppm NO_X	19.0 ppm	19.2 ppm	19.11

Mean Reference Values:
15.06 percent O_2
13.4 ppm NO_X

Corrected Results: **Basis:**
15.20 percent O_2 DRY
13.7 ppm NO_X DRY

Emission Calculations:
0.0520 NO_X Lbs/mmBtu from O_2

14.2 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

filename		2/21/2013	8:45:49											
testby1	C.E.M. Solutions Inc.													
testby2	1183 E. Overdrive Circle.													
testby3	Hernando, FL													
testby4	34442													
testfor1	Northernstar													
testfor2	Orange Cogen													
testfor3	Unit 1													
testfor4	Rata													
name				O2 A		NOx A								
sn				1420D/3379		1200951381								
offset				0		0								
fullscale				25		20								
train				1		1								
gastype				o2 3a		nox 7e								
dcg1		2/21/2013	8:52:45	15.31		11.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:53:00	15.30		11.6	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:53:15	15.30		11.8	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:53:30	15.29		11.7	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:53:45	15.15		4.8	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:54:00	11.05		0.8	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:54:15	3.55		0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:54:30	0.55		0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:54:45	0.20		0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:55:00	0.17		0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:55:15	0.15		0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:55:30	0.18		0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:55:45	0.28		0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:56:00	0.10		0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:56:15	0.06		0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:56:30	0.06		0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:56:45	-0.08		0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	8:57:00	-0.04		0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2ezero1		2/21/2013	8:57:00	-0.04		0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxezero1		2/21/2013	8:57:00	-0.04		0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg3		2/21/2013	8:58:15	0.20		0.0	XC035605B/cg3	O2	20.48	CO2	18.99		0	0
dcg3		2/21/2013	8:58:30	3.83		0.0	XC035605B/cg3	O2	20.48	CO2	18.99		0	0
dcg3		2/21/2013	8:58:45	13.23		0.0	XC035605B/cg3	O2	20.48	CO2	18.99		0	0
dcg3		2/21/2013	8:59:00	17.84		0.0	XC035605B/cg3	O2	20.48	CO2	18.99		0	0
dcg3		2/21/2013	8:59:15	19.98		0.0	XC035605B/cg3	O2	20.48	CO2	18.99		0	0
dcg3		2/21/2013	8:59:30	20.48		0.0	XC035605B/cg3	O2	20.48	CO2	18.99		0	0
o2high1		2/21/2013	8:59:30	20.46		0.0	XC035605B/cg3	O2	20.48	CO2	18.99		0	0
dcg2		2/21/2013	8:59:45	20.50		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg2		2/21/2013	9:00:00	20.51		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg2		2/21/2013	9:00:15	20.01		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg2		2/21/2013	9:00:30	15.50		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg2		2/21/2013	9:00:45	11.25		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg2		2/21/2013	9:01:00	10.00		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg2		2/21/2013	9:01:15	9.92		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg2		2/21/2013	9:01:30	9.91		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
o2mid1		2/21/2013	9:01:30	9.91		0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
dcg4		2/21/2013	9:01:45	9.91		0.0	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:02:00	9.91		0.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:02:15	9.08		15.7	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:02:30	4.51		19.4	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:02:45	0.91		19.6	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:03:00	0.02		19.7	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:03:15	-0.03		19.7	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:03:30	-0.03		19.8	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:03:45	-0.04		19.8	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:04:00	-0.04		19.8	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:04:15	-0.04		19.8	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:04:30	-0.04		19.9	CC410976/cg4	NOx	19.63		0		0	0
dcg1		2/21/2013	9:15:45	15.13		13.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:16:00	15.13		13.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:16:15	15.13		13.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:16:30	15.13		12.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:16:45	15.13		12.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:17:00	15.14		12.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:17:15	15.13		12.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:17:30	15.13		12.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:17:45	15.14		13.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:18:00	15.13		13.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg1		2/21/2013	9:18:15	15.13		13.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
dcg4		2/21/2013	9:18:30	15.13		13.1	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:18:45	15.12		13.1	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:19:00	14.94		16.4	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:19:15	9.13		20.0	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:19:30	1.71		20.2	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:19:45	0.05		20.2	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:20:00	-0.03		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:20:15	-0.04		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:20:30	-0.04		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:20:45	-0.04		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:21:00	-0.05		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:21:15	-0.05		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:21:30	-0.05		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:21:45	-0.05		20.3	CC410976/cg4	NOx	19.63		0		0	0
dcg4		2/21/2013	9:22:00	-0.06		19.6	CC410976/cg4	NOx	19.63		0		0	0
noxhigh1		2/21/2013	9:22:00	-0.06		19.6	CC410976/cg4	NOx	19.63		0		0	0
dcg6		2/21/2013	9:22:15	-0.06		19.6	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:22:30	-0.06		19.5	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:22:45	-0.05		14.6	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:23:00	0.28		9.2	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:23:15	0.11		9.3	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:23:30	-0.05		9.2	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:23:45	-0.06		9.2	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:24:00	-0.06		9.3	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:24:15	-0.07		9.2	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:24:30	-0.07		9.2	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:24:45	-0.07		9.3	CC331344/cg6	NOx	9.504		0		0	0
dcg6		2/21/2013	9:25:00	-0.07		9.5	CC331344/cg6	NOx	9.504		0		0	0
noxmid1		2/21/2013	9:25:00	-0.07		9.5	CC331344/cg6	NOx	9.504		0		0	0
dcg4		2/21/2013	9:25:15	-0.07		9.5	CC410976/cg4	NOx	19.63		0		0	0

name			O2 A	NOx A							
sn			1420D/3379	1200951381							
offset			0	0							
fullscale			25	20							
train			1	1							
gastype			o2 3a	nox 7e							
dcg4	2/21/2013	9:25:30	-0.07	9.7	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:25:45	0.37	17.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:26:00	9.48	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:26:15	16.79	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:26:30	20.83	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:26:45	20.98	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:27:00	21.00	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:27:15	21.01	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:27:30	21.00	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:27:45	21.02	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:28:00	21.02	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:28:15	21.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:28:30	21.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:28:45	21.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:29:00	21.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:38:00	15.15	13.1	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:38:15	15.12	16.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:38:30	12.55	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg6	2/21/2013	9:38:45	4.25	20.4	CC331344/cg6	NOx	9.504		0	0	0
dcg6	2/21/2013	9:39:00	0.36	20.4	CC331344/cg6	NOx	9.504		0	0	0
dcg6	2/21/2013	9:39:15	-0.02	18.2	CC331344/cg6	NOx	9.504		0	0	0
dcg6	2/21/2013	9:39:30	0.07	9.9	CC331344/cg6	NOx	9.504		0	0	0
dcg6	2/21/2013	9:39:45	0.04	9.8	CC331344/cg6	NOx	9.504		0	0	0
dcg6	2/21/2013	9:40:00	-0.03	9.7	CC331344/cg6	NOx	9.504		0	0	0
dcg6	2/21/2013	9:40:15	-0.05	9.7	CC331344/cg6	NOx	9.504		0	0	0
dcg6	2/21/2013	9:40:30	-0.05	9.6	CC331344/cg6	NOx	9.504		0	0	0
dcg4	2/21/2013	9:40:45	-0.05	9.5	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:41:00	-0.05	9.5	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:41:15	-0.05	18.8	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:41:30	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:41:45	-0.06	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:42:00	-0.05	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:42:15	-0.06	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	9:42:30	-0.07	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg1	2/21/2013	10:07:30	15.16	11.8	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:07:45	15.15	11.8	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:08:00	15.15	11.9	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:08:15	15.15	11.6	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:08:30	14.64	5.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:08:45	8.49	1.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:09:00	1.91	0.6	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:09:15	0.19	0.5	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:09:30	0.02	0.5	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:09:45	0.00	0.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:10:00	0.00	0.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:10:15	0.00	0.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:10:30	-0.01	0.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:10:45	-0.01	0.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:11:00	-0.02	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:11:15	-0.02	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
o2zero1	2/21/2013	10:11:15	-0.02	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
noxzero1	2/21/2013	10:11:15	-0.02	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg6	2/21/2013	10:11:30	-0.02	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:11:45	-0.02	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:12:00	-0.03	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:12:15	-0.03	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:12:30	-0.03	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:12:45	-0.04	5.2	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:13:00	-0.02	8.8	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:13:15	-0.03	9.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:13:30	-0.04	9.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:35:45	15.09	12.5	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:36:00	15.09	12.5	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:36:15	15.10	12.6	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:36:30	13.98	9.8	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:36:45	6.23	9.2	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:37:00	0.79	9.2	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:37:15	-0.02	9.2	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:37:30	-0.05	9.2	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:37:45	-0.05	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:38:00	-0.06	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:36:15	-0.06	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:38:30	-0.06	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:38:45	-0.07	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:39:00	-0.07	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:39:15	-0.07	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:39:30	-0.07	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:39:45	-0.07	9.4	CC331344/cg6	NOx	9.504		0	0	0
scg1	2/21/2013	10:40:00	-0.07	9.5	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:40:15	-0.08	6.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:40:30	-0.07	0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:40:45	-0.07	-0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:41:00	-0.08	-0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:41:15	-0.08	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:41:30	-0.08	0.7	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:41:45	1.95	12.6	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:42:00	9.63	13.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:42:15	14.16	11.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:42:30	12.05	2.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:42:45	4.35	0.4	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:43:00	0.55	0.3	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:43:15	0.04	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:43:30	0.00	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:43:45	-0.01	0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	10:44:00	-0.02	0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
o2zero1	2/21/2013	10:44:00	-0.02	0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
noxzero1	2/21/2013	10:44:00	-0.02	0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg2	2/21/2013	10:44:15	-0.02	0.1	CC417216/cg2	O2	9.928	CO2	9.538	0	0

name			O2 A	NOx A							
sn			1420D/3379	1200951381							
offset			0	0							
fullscale			25	20							
train			1	1							
gastype			o2 3a	nox 7e							
scg2	2/21/2013	10:44:30	-0.03	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:44:45	-0.03	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:45:00	-0.03	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:45:15	-0.03	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:45:30	1.04	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:45:45	5.38	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:46:00	8.51	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:46:15	9.64	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:46:30	9.77	0.0	CC417218/cg2	O2	9.928	CO2	9.536	0	0
scg2	2/21/2013	10:46:45	9.79	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	10:47:00	9.80	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
o2span1	2/21/2013	10:46:45	9.79	0.0	CC417218/cg2	O2	9.928	CO2	9.536	0	0
scg6	2/21/2013	10:47:15	9.80	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:47:30	9.80	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:47:45	9.81	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:48:00	9.81	0.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:48:15	9.81	0.7	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:48:30	8.87	7.0	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:48:45	4.54	9.1	CC331344/cg6	NOx	9.504		0	0	0
scg6	2/21/2013	10:49:00	1.11	9.3	CC331344/cg6	NOx	9.504		0	0	0
noxspan1	2/21/2013	10:49:00	1.11	9.3	CC331344/cg6	NOx	9.504		0	0	0
scg4	2/21/2013	10:57:00	15.08	13.1	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:57:15	15.08	13.1	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:57:30	15.09	13.1	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:57:45	15.09	13.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:58:00	15.02	15.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:58:15	11.40	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:56:30	3.79	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:56:45	0.42	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:59:00	0.05	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:59:15	0.01	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:59:30	0.00	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	10:59:45	0.00	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:00:00	-0.01	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:00:15	-0.02	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:00:30	-0.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:00:45	-0.02	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:01:00	-0.02	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:01:15	-0.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:01:30	-0.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:01:45	-0.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:02:00	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:02:15	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:02:30	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:02:45	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:05:15	15.01	13.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:05:30	15.02	13.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:05:45	15.04	13.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:06:00	15.04	13.2	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:06:15	15.04	17.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:06:30	12.32	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:06:45	4.64	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:07:00	0.61	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:07:15	0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:07:30	0.00	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:07:45	-0.01	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:08:00	-0.02	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:08:15	-0.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:08:30	-0.03	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:08:45	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:09:00	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
scg4	2/21/2013	11:09:15	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	11:09:30	-0.04	20.4	CC410976/cg4	NOx	19.63		0	0	0
dcg4	2/21/2013	11:11:30	4.01	31.4	CC365265/cg4	NOx	46.22		0	0	0
dcg4	2/21/2013	11:11:45	8.30	47.0	CC365285/cg4	NOx	46.22		0	0	0
dcg4	2/21/2013	11:12:00	2.53	48.9	CC365285/cg4	NOx	46.22		0	0	0
dcg4	2/21/2013	11:12:15	0.06	49.2	CC365285/cg4	NOx	46.22		0	0	0
dcg4	2/21/2013	11:12:30	-0.07	46.3	CC365285/cg4	NOx	46.22		0	0	0
dcg4	2/21/2013	11:12:45	-0.08	46.3	CC365285/cg4	NOx	46.22		0	0	0
noxhigh1	2/21/2013	11:12:45	-0.08	46.3	CC365285/cg4	NOx	46.22		0	0	0
dcg1	2/21/2013	11:13:00	-0.09	46.3	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg1	2/21/2013	11:13:15	-0.06	40.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg1	2/21/2013	11:13:30	-0.08	0.8	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg1	2/21/2013	11:13:45	-0.08	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg1	2/21/2013	11:14:00	-0.09	0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg1	2/21/2013	11:14:15	-0.09	0.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg1	2/21/2013	11:14:30	-0.09	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg1	2/21/2013	11:14:45	-0.03	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
o2ezero1	2/21/2013	11:14:45	-0.03	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
noxezero1	2/21/2013	11:14:45	-0.03	0.0	CC96424/cg1	NOx	0	O2	0 CO	0	0
dcg6	2/21/2013	11:15:00	0.00	0.0	CC410976/cg6	NOx	19.63		0	0	0
dcg6	2/21/2013	11:15:15	0.00	0.0	CC410976/cg6	NOx	19.63		0	0	0
dcg6	2/21/2013	11:15:30	0.00	13.1	CC410976/cg6	NOx	19.63		0	0	0
dcg6	2/21/2013	11:15:45	0.00	19.0	CC410976/cg6	NOx	19.63		0	0	0
dcg6	2/21/2013	11:18:00	0.00	19.0	CC410976/cg6	NOx	19.63		0	0	0
dcg6	2/21/2013	11:16:15	0.00	19.1	CC410976/cg6	NOx	19.63		0	0	0
noxmid1	2/21/2013	11:16:15	0.00	19.1	CC410976/cg6	NOx	19.63		0	0	0
scg1	2/21/2013	11:16:45	0.00	18.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:17:00	0.00	17.1	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:17:15	1.67	11.9	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:17:30	9.29	12.3	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:17:45	14.17	17.5	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:18:00	12.40	6.5	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:18:15	4.78	0.6	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:18:30	0.66	0.3	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:18:45	0.12	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
scg1	2/21/2013	11:19:00	0.07	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0
o2zero1	2/21/2013	11:19:00	0.07	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0

name			O2 A	NOx A								
sn			1420D/3379	1200951381								
offset			0	0								
fullscale			25	20								
train			1	1								
gastype			o2 3a	nox 7e								
noxzero1	2/21/2013	11:19:00	0.07	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg2	2/21/2013	11:19:15	0.06	0.1	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:19:30	0.05	0.1	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:19:45	0.05	0.1	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:00	0.05	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:15	0.05	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:30	0.88	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:45	5.18	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:00	8.47	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:15	9.66	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:30	9.86	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:45	9.87	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
o2span1	2/21/2013	11:21:45	9.67	0.0	CC417216/cg2	O2	9.926	CO2	9.538		0	0
scg6	2/21/2013	11:22:00	9.88	0.0	CC410978/cg8	NOx	19.63		0		0	0
scg6	2/21/2013	11:22:15	9.88	0.0	CC410978/cg6	NOx	19.63		0		0	0
scg8	2/21/2013	11:22:30	9.89	0.0	CC410978/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:22:45	9.89	0.0	CC410978/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:23:00	9.89	0.2	CC410978/cg8	NOx	19.63		0		0	0
scg8	2/21/2013	11:23:15	9.81	10.1	CC410978/cg6	NOx	19.83		0		0	0
scg6	2/21/2013	11:23:30	6.05	17.6	CC410978/cg6	NOx	19.83		0		0	0
scg6	2/21/2013	11:23:45	1.89	18.8	CC410978/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:24:00	0.29	18.7	CC410978/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:24:15	0.09	18.8	CC410978/cg8	NOx	19.83		0		0	0
scg6	2/21/2013	11:24:30	0.07	18.8	CC410978/cg8	NOx	19.63		0		0	0
scg6	2/21/2013	11:24:45	0.07	18.8	CC410978/cg6	NOx	19.83		0		0	0
scg6	2/21/2013	11:25:00	0.08	18.9	CC410978/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:25:15	0.05	18.9	CC410978/cg6	NOx	19.63		0		0	0
noxspan1	2/21/2013	11:25:00	0.06	18.9	CC410978/cg6	NOx	19.63		0		0	0
scg4	2/21/2013	11:25:30	0.05	18.9	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:25:45	0.05	18.9	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:00	0.05	18.9	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:15	0.05	18.9	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:30	0.04	24.7	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:45	0.05	41.2	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:00	0.05	42.8	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:15	0.04	42.9	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:30	0.03	42.9	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:45	0.03	43.0	CC365285/cg4	NOx	46.22		0		0	0
run1	2/21/2013	12:29:00	15.12	13.0								
run1	2/21/2013	12:29:15	15.12	13.0								
run1	2/21/2013	12:29:30	15.12	13.0								
run1	2/21/2013	12:29:45	15.12	13.1								
run1	2/21/2013	12:30:00	15.12	13.0								
run1	2/21/2013	12:30:15	15.12	13.1								
run1	2/21/2013	12:30:30	15.12	13.1								
run1	2/21/2013	12:30:45	15.12	13.1								
run1	2/21/2013	12:31:00	15.12	13.0								
run1	2/21/2013	12:31:15	15.12	13.0								
run1	2/21/2013	12:31:30	15.12	13.0								
run1	2/21/2013	12:31:45	15.12	13.0								
run1	2/21/2013	12:32:00	15.11	13.0								
run1	2/21/2013	12:32:15	15.12	13.0								
run1	2/21/2013	12:32:30	15.12	13.0								
run1	2/21/2013	12:32:45	15.12	13.1								
run1	2/21/2013	12:33:00	15.12	13.1								
run1	2/21/2013	12:33:15	15.11	13.1								
run1	2/21/2013	12:33:30	15.12	13.1								
run1	2/21/2013	12:33:45	15.12	13.1								
run1	2/21/2013	12:34:00	15.12	13.1								
run1	2/21/2013	12:34:15	15.12	13.1								
run1	2/21/2013	12:34:30	15.12	13.1								
run1	2/21/2013	12:34:45	15.12	13.1								
run1	2/21/2013	12:35:00	15.12	13.1								
run1	2/21/2013	12:35:15	15.12	13.1								
run1	2/21/2013	12:35:30	15.12	13.1								
run1	2/21/2013	12:35:45	15.12	13.1								
run1	2/21/2013	12:36:00	15.12	13.1								
run1	2/21/2013	12:36:15	15.12	13.1								
run1	2/21/2013	12:36:30	15.12	13.1								
run1	2/21/2013	12:36:45	15.12	13.1								
run1	2/21/2013	12:37:00	15.12	13.1								
run1	2/21/2013	12:37:15	15.12	13.1								
run1	2/21/2013	12:37:30	15.11	13.1								
run1	2/21/2013	12:37:45	15.12	13.1								
run1	2/21/2013	12:38:00	15.12	13.1								
run1	2/21/2013	12:38:15	15.12	13.1								
run1	2/21/2013	12:38:30	15.12	13.1								
run1	2/21/2013	12:38:45	15.11	13.1								
run1	2/21/2013	12:39:00	15.09	13.1								
run1	2/21/2013	12:39:15	15.12	13.1								
run1	2/21/2013	12:39:30	15.12	13.1								
run1	2/21/2013	12:39:45	15.12	13.1								
run1	2/21/2013	12:40:00	15.12	13.1								
run1	2/21/2013	12:40:15	15.12	13.1								
run1	2/21/2013	12:40:30	15.11	13.1								
run1	2/21/2013	12:40:45	15.12	13.0								
run1	2/21/2013	12:41:00	15.11	13.0								
run1	2/21/2013	12:41:15	15.11	13.0								
run1	2/21/2013	12:41:30	15.12	13.1								
run1	2/21/2013	12:41:45	15.12	13.1								
run1	2/21/2013	12:42:00	15.12	13.1								
run1	2/21/2013	12:42:15	15.12	13.2								
run1	2/21/2013	12:42:30	15.12	13.2								
run1	2/21/2013	12:42:45	15.12	13.2								
run1	2/21/2013	12:43:00	15.11	13.2								
run1	2/21/2013	12:43:15	15.12	13.2								
run1	2/21/2013	12:43:30	15.12	13.1								
run1	2/21/2013	12:43:45	15.12	13.1								

name			O2 A	NOx A								
sn			1420D/3379	1200951381								
offset			0	0								
fullscale			25	20								
train			1	1								
gastype			o2 3a	nox 7e								
run1	2/21/2013	12:44:00	15.11	13.1								
run1	2/21/2013	12:44:15	15.11	13.2								
run1	2/21/2013	12:44:30	15.11	13.2								
run1	2/21/2013	12:44:45	15.11	13.2								
run1	2/21/2013	12:45:00	15.11	13.3								
run1	2/21/2013	12:45:15	15.11	13.2								
run1	2/21/2013	12:45:30	15.11	13.2								
run1	2/21/2013	12:45:45	15.11	13.2								
run1	2/21/2013	12:46:00	15.11	13.2								
run1	2/21/2013	12:46:15	15.11	13.2								
run1	2/21/2013	12:46:30	15.11	13.2								
run1	2/21/2013	12:46:45	15.11	13.2								
run1	2/21/2013	12:47:00	15.11	13.2								
run1	2/21/2013	12:47:15	15.11	13.2								
run1	2/21/2013	12:47:30	15.11	13.2								
run1	2/21/2013	12:47:45	15.11	13.2								
run1	2/21/2013	12:48:00	15.11	13.2								
run1	2/21/2013	12:48:15	15.11	13.2								
run1	2/21/2013	12:48:30	15.11	13.2								
run1	2/21/2013	12:48:45	15.11	13.2								
run1	2/21/2013	12:49:00	15.11	13.2								
run1	2/21/2013	12:49:15	15.11	13.2								
run1	2/21/2013	12:49:30	15.11	13.2								
run1	2/21/2013	12:49:45	15.11	13.2								
averun1	2/21/2013	12:29:00	15.11	13.1	21							
scg4	2/21/2013	12:50:00	15.11	13.2	CC365285/cg4	NOx	46.22		0	0	0	
scg6	2/21/2013	12:50:15	15.11	13.2	CC410976/cg6	NOx	19.63		0	0	0	
scg8	2/21/2013	12:50:30	15.10	13.2	CC410976/cg6	NOx	19.63		0	0	0	
scg8	2/21/2013	12:50:45	15.11	13.2	CC410976/cg6	NOx	19.63		0	0	0	
scg8	2/21/2013	12:51:00	15.11	14.1	CC410976/cg6	NOx	19.63		0	0	0	
scg6	2/21/2013	12:51:15	14.74	21.6	CC410976/cg6	NOx	19.63		0	0	0	
scg8	2/21/2013	12:51:30	9.61	19.1	CC410976/cg6	NOx	19.63		0	0	0	
scg6	2/21/2013	12:51:45	2.54	19.2	CC410976/cg6	NOx	19.63		0	0	0	
scg8	2/21/2013	12:52:00	0.32	19.3	CC410976/cg6	NOx	19.63		0	0	0	
noxspan1	2/21/2013	12:52:00	0.32	19.3	CC410976/cg6	NOx	19.63		0	0	0	
scg1	2/21/2013	12:52:15	0.12	19.2	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:52:30	0.09	19.2	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:52:45	0.08	19.2	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:53:00	0.07	19.2	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:53:15	0.07	13.6	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:53:30	0.08	1.5	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:53:45	0.08	0.3	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:54:00	0.05	0.3	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg1	2/21/2013	12:54:15	0.05	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0	
o2zero1	2/21/2013	12:54:15	0.05	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0	
noxzero1	2/21/2013	12:54:15	0.05	0.2	CC96424/cg1	NOx	0	O2	0 CO	0	0	
scg2	2/21/2013	12:54:30	0.05	0.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:54:45	0.05	0.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:55:00	0.04	0.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:55:15	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:55:30	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:55:45	0.25	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:56:00	3.73	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:56:15	7.71	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:56:30	9.47	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:56:45	9.80	0.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:57:00	9.84	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:57:15	9.65	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:57:30	9.85	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	12:57:45	9.85	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
o2span1	2/21/2013	12:57:30	9.85	0.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
run2	2/21/2013	13:02:00	15.09	13.0								
run2	2/21/2013	13:02:15	15.10	13.0								
run2	2/21/2013	13:02:30	15.10	13.0								
run2	2/21/2013	13:02:45	15.10	13.0								
run2	2/21/2013	13:03:00	15.10	13.0								
run2	2/21/2013	13:03:15	15.10	13.0								
run2	2/21/2013	13:03:30	15.10	13.1								
run2	2/21/2013	13:03:45	15.11	13.0								
run2	2/21/2013	13:04:00	15.10	13.1								
run2	2/21/2013	13:04:15	15.11	13.0								
run2	2/21/2013	13:04:30	15.11	13.1								
run2	2/21/2013	13:04:45	15.11	13.1								
run2	2/21/2013	13:05:00	15.11	13.0								
run2	2/21/2013	13:05:15	15.11	13.0								
run2	2/21/2013	13:05:30	15.11	13.0								
run2	2/21/2013	13:05:45	15.11	13.0								
run2	2/21/2013	13:06:00	15.11	13.0								
run2	2/21/2013	13:06:15	15.11	13.0								
run2	2/21/2013	13:06:30	15.11	13.1								
run2	2/21/2013	13:06:45	15.11	13.1								
run2	2/21/2013	13:07:00	15.11	13.0								
run2	2/21/2013	13:07:15	15.11	13.0								
run2	2/21/2013	13:07:30	15.11	13.0								
run2	2/21/2013	13:07:45	15.11	13.0								
run2	2/21/2013	13:08:00	15.11	13.1								
run2	2/21/2013	13:08:15	15.11	13.1								
run2	2/21/2013	13:08:30	15.11	13.1								
run2	2/21/2013	13:08:45	15.11	13.2								
run2	2/21/2013	13:09:00	15.10	13.2								
run2	2/21/2013	13:09:15	15.11	13.1								
run2	2/21/2013	13:09:30	15.11	13.1								
run2	2/21/2013	13:09:45	15.11	13.1								
run2	2/21/2013	13:10:00	15.11	13.1								
run2	2/21/2013	13:10:15	15.11	13.1								
run2	2/21/2013	13:10:30	15.11	13.2								
run2	2/21/2013	13:10:45	15.11	13.1								
run2	2/21/2013	13:11:00	15.11	13.1								

name			O2 A	NOx A
sn			1420D/3379	1200951381
offset			0	0
fullscale			25	20
train			1	1
gastype			o2 3a	nox 7e
run2	2/21/2013	13:11:15	15.10	13.2
run2	2/21/2013	13:11:30	15.11	13.1
run2	2/21/2013	13:11:45	15.11	13.1
run2	2/21/2013	13:12:00	15.11	13.1
run2	2/21/2013	13:12:15	15.11	13.1
run2	2/21/2013	13:12:30	15.11	13.1
run2	2/21/2013	13:12:45	15.11	13.1
run2	2/21/2013	13:13:00	15.11	13.1
run2	2/21/2013	13:13:15	15.11	13.1
run2	2/21/2013	13:13:30	15.11	13.1
run2	2/21/2013	13:13:45	15.11	13.1
run2	2/21/2013	13:14:00	15.11	13.1
run2	2/21/2013	13:14:15	15.11	13.1
run2	2/21/2013	13:14:30	15.11	13.1
run2	2/21/2013	13:14:45	15.11	13.1
run2	2/21/2013	13:15:00	15.11	13.1
run2	2/21/2013	13:15:15	15.11	13.1
run2	2/21/2013	13:15:30	15.11	13.1
run2	2/21/2013	13:15:45	15.10	13.1
run2	2/21/2013	13:16:00	15.11	13.0
run2	2/21/2013	13:16:15	15.11	13.0
run2	2/21/2013	13:16:30	15.11	13.1
run2	2/21/2013	13:16:45	15.11	13.0
run2	2/21/2013	13:17:00	15.11	13.1
run2	2/21/2013	13:17:15	15.11	13.1
run2	2/21/2013	13:17:30	15.11	13.1
run2	2/21/2013	13:17:45	15.11	13.1
run2	2/21/2013	13:18:00	15.11	13.2
run2	2/21/2013	13:18:15	15.11	13.2
run2	2/21/2013	13:18:30	15.10	13.2
run2	2/21/2013	13:18:45	15.10	13.2
run2	2/21/2013	13:19:00	15.10	13.2
run2	2/21/2013	13:19:15	15.10	13.2
run2	2/21/2013	13:19:30	15.10	13.2
run2	2/21/2013	13:19:45	15.10	13.2
run2	2/21/2013	13:20:00	15.10	13.3
run2	2/21/2013	13:20:15	15.10	13.3
run2	2/21/2013	13:20:30	15.10	13.3
run2	2/21/2013	13:20:45	15.10	13.2
run2	2/21/2013	13:21:00	15.11	13.2
run2	2/21/2013	13:21:15	15.10	13.2
run2	2/21/2013	13:21:30	15.10	13.2
run2	2/21/2013	13:21:45	15.11	13.2
run2	2/21/2013	13:22:00	15.11	13.2
run2	2/21/2013	13:22:15	15.10	13.2
run2	2/21/2013	13:22:30	15.11	13.2
run2	2/21/2013	13:22:45	15.11	13.2
averun2	2/21/2013	13:02:00	15.11	13.1
scg2	2/21/2013	13:23:00	15.10	13.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:23:15	15.11	13.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:23:30	15.10	13.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:23:45	15.10	13.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:24:00	15.10	11.3 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:24:15	14.54	2.0 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:24:30	11.90	0.5 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:24:45	10.24	0.3 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:25:00	9.94	0.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:25:15	9.91	0.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg2	2/21/2013	13:25:30	9.89	0.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
o2span1	2/21/2013	13:25:30	9.89	0.2 CC417218/cg2 O2 9.028 CO2 9.538 0 0
scg1	2/21/2013	13:25:45	9.90	0.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:26:00	9.89	0.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:26:15	9.89	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:26:30	9.89	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:26:45	9.89	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:27:00	8.90	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:27:15	4.53	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:27:30	1.16	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:27:45	0.18	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	13:26:00	0.10	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
o2zero1	2/21/2013	13:28:00	0.10	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
noxzero1	2/21/2013	13:27:45	0.18	0.1 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg6	2/21/2013	13:28:15	0.08	0.1 CC410976/cg8 NOx 19.63 0 0 0
scg6	2/21/2013	13:28:30	0.07	0.1 CC410976/cg8 NOx 19.63 0 0 0
scg6	2/21/2013	13:28:45	0.07	0.0 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:29:00	0.06	0.0 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:29:15	0.06	0.9 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:29:30	0.06	13.9 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:29:45	0.06	18.6 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:30:00	0.06	18.9 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:30:15	0.05	18.9 CC410976/cg6 NOx 19.63 0 0 0
noxspan1	2/21/2013	13:30:15	0.05	18.9 CC410976/cg6 NOx 19.63 0 0 0
run3	2/21/2013	13:38:00	15.09	13.2
run3	2/21/2013	13:38:15	15.09	13.2
run3	2/21/2013	13:38:30	15.09	13.1
run3	2/21/2013	13:38:45	15.09	13.1
run3	2/21/2013	13:39:00	15.09	13.1
run3	2/21/2013	13:39:15	15.10	13.1
run3	2/21/2013	13:39:30	15.09	13.0
run3	2/21/2013	13:39:45	15.09	13.1
run3	2/21/2013	13:40:00	15.09	13.0
run3	2/21/2013	13:40:15	15.09	13.1
run3	2/21/2013	13:40:30	15.10	13.1
run3	2/21/2013	13:40:45	15.09	13.1
run3	2/21/2013	13:41:00	15.09	13.1
run3	2/21/2013	13:41:15	15.09	13.1
run3	2/21/2013	13:41:30	15.09	13.1
run3	2/21/2013	13:41:45	15.09	13.1

name			O2 A	NOx A
sn			1420D/3379	1200951381
offset			0	0
fullscale			25	20
train			1	1
gastype			o2 3a	nox 7e
run3	2/21/2013	13:42:00	15.09	13.1
run3	2/21/2013	13:42:15	15.09	13.1
run3	2/21/2013	13:42:30	15.09	13.1
run3	2/21/2013	13:42:45	15.10	13.1
run3	2/21/2013	13:43:00	15.09	13.1
run3	2/21/2013	13:43:15	15.10	13.1
run3	2/21/2013	13:43:30	15.10	13.1
run3	2/21/2013	13:43:45	15.10	13.1
run3	2/21/2013	13:44:00	15.10	13.1
run3	2/21/2013	13:44:15	15.09	13.1
run3	2/21/2013	13:44:30	15.10	13.1
run3	2/21/2013	13:44:45	15.10	13.1
run3	2/21/2013	13:45:00	15.10	13.2
run3	2/21/2013	13:45:15	15.10	13.2
run3	2/21/2013	13:45:30	15.09	13.2
run3	2/21/2013	13:45:45	15.10	13.1
run3	2/21/2013	13:46:00	15.10	13.1
run3	2/21/2013	13:46:15	15.09	13.1
run3	2/21/2013	13:46:30	15.10	13.1
run3	2/21/2013	13:46:45	15.10	13.1
run3	2/21/2013	13:47:00	15.10	13.2
run3	2/21/2013	13:47:15	15.09	13.2
run3	2/21/2013	13:47:30	15.10	13.1
run3	2/21/2013	13:47:45	15.10	13.1
run3	2/21/2013	13:48:00	15.10	13.1
run3	2/21/2013	13:48:15	15.10	13.1
run3	2/21/2013	13:48:30	15.10	13.1
run3	2/21/2013	13:48:45	15.10	13.1
run3	2/21/2013	13:49:00	15.10	13.1
run3	2/21/2013	13:49:15	15.09	13.1
run3	2/21/2013	13:49:30	15.09	13.1
run3	2/21/2013	13:49:45	15.09	13.1
run3	2/21/2013	13:50:00	15.09	13.2
run3	2/21/2013	13:50:15	15.09	13.2
run3	2/21/2013	13:50:30	15.09	13.2
run3	2/21/2013	13:50:45	15.09	13.1
run3	2/21/2013	13:51:00	15.10	13.1
run3	2/21/2013	13:51:15	15.09	13.1
run3	2/21/2013	13:51:30	15.10	13.1
run3	2/21/2013	13:51:45	15.10	13.1
run3	2/21/2013	13:52:00	15.10	13.1
run3	2/21/2013	13:52:15	15.10	13.1
run3	2/21/2013	13:52:30	15.10	13.1
run3	2/21/2013	13:52:45	15.09	13.1
run3	2/21/2013	13:53:00	15.09	13.1
run3	2/21/2013	13:53:15	15.08	13.2
run3	2/21/2013	13:53:30	15.09	13.2
run3	2/21/2013	13:53:45	15.09	13.2
run3	2/21/2013	13:54:00	15.09	13.2
run3	2/21/2013	13:54:15	15.09	13.2
run3	2/21/2013	13:54:30	15.09	13.2
run3	2/21/2013	13:54:45	15.09	13.2
run3	2/21/2013	13:55:00	15.08	13.2
run3	2/21/2013	13:55:15	15.09	13.2
run3	2/21/2013	13:55:30	15.09	13.2
run3	2/21/2013	13:55:45	15.09	13.2
run3	2/21/2013	13:56:00	15.09	13.3
run3	2/21/2013	13:56:15	15.08	13.3
run3	2/21/2013	13:56:30	15.09	13.3
run3	2/21/2013	13:56:45	15.09	13.3
run3	2/21/2013	13:57:00	15.09	13.3
run3	2/21/2013	13:57:15	15.09	13.2
run3	2/21/2013	13:57:30	15.09	13.2
run3	2/21/2013	13:57:45	15.09	13.2
run3	2/21/2013	13:58:00	15.09	13.2
run3	2/21/2013	13:58:15	15.09	13.2
run3	2/21/2013	13:58:30	15.09	13.2
run3	2/21/2013	13:58:45	15.09	13.3
averun3	2/21/2013	13:38:00	15.09	13.1 21
scg6	2/21/2013	13:59:00	15.09	13.3 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:59:15	15.09	13.2 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:59:30	15.09	13.2 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	13:59:45	15.09	13.2 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	14:00:00	15.09	13.8 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	14:00:15	13.73	17.2 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	14:00:30	6.51	19.0 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	14:00:45	1.17	19.2 CC410976/cg6 NOx 19.63 0 0 0
scg6	2/21/2013	14:01:00	0.18	19.2 CC410976/cg6 NOx 19.63 0 0 0
noxspan1	2/21/2013	14:01:00	0.18	19.2 CC410976/cg6 NOx 19.63 0 0 0
scg1	2/21/2013	14:01:15	0.10	19.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:01:30	0.09	19.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:01:45	0.07	19.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:02:00	0.07	19.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:02:15	0.07	18.8 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:02:30	0.06	5.9 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:02:45	0.06	0.5 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:03:00	0.05	0.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg1	2/21/2013	14:03:15	0.05	0.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
o2zero1	2/21/2013	14:03:15	0.05	0.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
noxzero1	2/21/2013	14:03:15	0.05	0.2 CC96424/cg1 NOx 0 O2 0 CO 0 0
scg2	2/21/2013	14:03:30	0.04	0.2 CC417218/cg2 O2 9.928 CO2 9.538 0 0
scg2	2/21/2013	14:03:45	0.04	0.2 CC417218/cg2 O2 9.928 CO2 9.538 0 0
scg2	2/21/2013	14:04:00	0.04	0.1 CC417218/cg2 O2 9.928 CO2 9.538 0 0
scg2	2/21/2013	14:04:15	0.04	0.1 CC417218/cg2 O2 9.928 CO2 9.538 0 0
scg2	2/21/2013	14:04:30	0.04	0.1 CC417218/cg2 O2 9.928 CO2 9.538 0 0
scg2	2/21/2013	14:04:45	1.45	0.1 CC417218/cg2 O2 9.928 CO2 9.538 0 0
scg2	2/21/2013	14:05:00	5.85	0.1 CC417218/cg2 O2 9.928 CO2 9.538 0 0
scg2	2/21/2013	14:05:15	8.81	0.0 CC417218/cg2 O2 9.928 CO2 9.538 0 0

name			O2 A	NOx A						
sn			1420D/3379	1200951381						
offset			0	0						
fullscale			25	20						
train			1	1						
gastype			o2 3a	nox 7e						
scg2	2/21/2013	14:05:30	9.71	0.0	CC417218/cg2	O2	9.928 CO2	9.538	0	0
scg2	2/21/2013	14:05:45	9.81	0.0	CC417218/cg2	O2	9.928 CO2	9.538	0	0
o2span1	2/21/2013	14:05:45	9.81	0.0	CC417218/cg2	O2	9.928 CO2	9.538	0	0
run4	2/21/2013	14:09:00	15.08	13.0						
run4	2/21/2013	14:09:15	15.07	13.0						
run4	2/21/2013	14:09:30	15.07	13.0						
run4	2/21/2013	14:09:45	15.07	13.0						
run4	2/21/2013	14:10:00	15.07	13.1						
run4	2/21/2013	14:10:15	15.07	13.1						
run4	2/21/2013	14:10:30	15.07	13.1						
run4	2/21/2013	14:10:45	15.07	13.1						
run4	2/21/2013	14:11:00	15.07	13.2						
run4	2/21/2013	14:11:15	15.07	13.1						
run4	2/21/2013	14:11:30	15.07	13.1						
run4	2/21/2013	14:11:45	15.07	13.2						
run4	2/21/2013	14:12:00	15.07	13.2						
run4	2/21/2013	14:12:15	15.07	13.1						
run4	2/21/2013	14:12:30	15.08	13.2						
run4	2/21/2013	14:12:45	15.08	13.2						
run4	2/21/2013	14:13:00	15.08	13.3						
run4	2/21/2013	14:13:15	15.08	13.3						
run4	2/21/2013	14:13:30	15.08	13.3						
run4	2/21/2013	14:13:45	15.07	13.3						
run4	2/21/2013	14:14:00	15.07	13.3						
run4	2/21/2013	14:14:15	15.07	13.3						
run4	2/21/2013	14:14:30	15.08	13.3						
run4	2/21/2013	14:14:45	15.08	13.2						
run4	2/21/2013	14:15:00	15.07	13.2						
run4	2/21/2013	14:15:15	15.07	13.2						
run4	2/21/2013	14:15:30	15.08	13.2						
run4	2/21/2013	14:15:45	15.08	13.3						
run4	2/21/2013	14:16:00	15.08	13.1						
run4	2/21/2013	14:16:15	15.07	13.2						
run4	2/21/2013	14:16:30	15.08	13.2						
run4	2/21/2013	14:16:45	15.08	13.2						
run4	2/21/2013	14:17:00	15.08	13.1						
run4	2/21/2013	14:17:15	15.08	13.1						
run4	2/21/2013	14:17:30	15.08	13.0						
run4	2/21/2013	14:17:45	15.08	13.0						
run4	2/21/2013	14:18:00	15.09	13.0						
run4	2/21/2013	14:18:15	15.09	13.1						
run4	2/21/2013	14:18:30	15.09	13.1						
run4	2/21/2013	14:18:45	15.09	13.1						
run4	2/21/2013	14:19:00	15.08	13.1						
run4	2/21/2013	14:19:15	15.07	13.1						
run4	2/21/2013	14:19:30	15.08	13.1						
run4	2/21/2013	14:19:45	15.09	13.2						
run4	2/21/2013	14:20:00	15.08	13.1						
run4	2/21/2013	14:20:15	15.08	13.1						
run4	2/21/2013	14:20:30	15.08	13.1						
run4	2/21/2013	14:20:45	15.08	13.2						
run4	2/21/2013	14:21:00	15.08	13.1						
run4	2/21/2013	14:21:15	15.09	13.2						
run4	2/21/2013	14:21:30	15.09	13.2						
run4	2/21/2013	14:21:45	15.08	13.2						
run4	2/21/2013	14:22:00	15.07	13.3						
run4	2/21/2013	14:22:15	15.07	13.3						
run4	2/21/2013	14:22:30	15.07	13.3						
run4	2/21/2013	14:22:45	15.08	13.2						
run4	2/21/2013	14:23:00	15.08	13.1						
run4	2/21/2013	14:23:15	15.08	13.2						
run4	2/21/2013	14:23:30	15.08	13.2						
run4	2/21/2013	14:23:45	15.08	13.1						
run4	2/21/2013	14:24:00	15.08	13.1						
run4	2/21/2013	14:24:15	15.08	13.1						
run4	2/21/2013	14:24:30	15.09	13.0						
run4	2/21/2013	14:24:45	15.09	13.0						
run4	2/21/2013	14:25:00	15.09	13.0						
run4	2/21/2013	14:25:15	15.08	13.0						
run4	2/21/2013	14:25:30	15.09	13.0						
run4	2/21/2013	14:25:45	15.09	12.9						
run4	2/21/2013	14:26:00	15.09	12.9						
run4	2/21/2013	14:26:15	15.09	12.9						
run4	2/21/2013	14:26:30	15.09	12.9						
run4	2/21/2013	14:26:45	15.08	12.9						
run4	2/21/2013	14:27:00	15.09	13.0						
run4	2/21/2013	14:27:15	15.09	13.0						
run4	2/21/2013	14:27:30	15.09	13.0						
run4	2/21/2013	14:27:45	15.08	13.0						
run4	2/21/2013	14:28:00	15.09	13.0						
run4	2/21/2013	14:28:15	15.09	13.0						
run4	2/21/2013	14:28:30	15.09	13.0						
run4	2/21/2013	14:28:45	15.09	13.0						
run4	2/21/2013	14:29:00	15.09	13.0						
run4	2/21/2013	14:29:15	15.08	13.0						
run4	2/21/2013	14:29:30	15.09	13.0						
run4	2/21/2013	14:29:45	15.09	13.0						
averun4	2/21/2013	14:09:00	15.08	13.1	21					
scg2	2/21/2013	14:30:00	15.09	12.9	CC417218/cg2	O2	9.928 CO2	9.536	0	0
scg2	2/21/2013	14:30:15	15.09	13.0	CC417218/cg2	O2	9.928 CO2	9.536	0	0
scg2	2/21/2013	14:30:30	15.09	13.1	CC417218/cg2	O2	9.928 CO2	9.538	0	0
scg2	2/21/2013	14:30:45	15.09	13.1	CC417218/cg2	O2	9.928 CO2	9.538	0	0
scg2	2/21/2013	14:31:00	15.06	7.5	CC417218/cg2	O2	9.928 CO2	9.536	0	0
scg2	2/21/2013	14:31:15	13.69	0.9	CC417218/cg2	O2	9.928 CO2	9.536	0	0
scg2	2/21/2013	14:31:30	11.06	0.4	CC417218/cg2	O2	9.928 CO2	9.536	0	0
scg2	2/21/2013	14:31:45	10.04	0.3	CC417218/cg2	O2	9.928 CO2	9.538	0	0
scg2	2/21/2013	14:32:00	9.91	0.3	CC417218/cg2	O2	9.928 CO2	9.538	0	0
o2span1	2/21/2013	14:32:00	9.91	0.3	CC417218/cg2	O2	9.928 CO2	9.538	0	0

name			O2 A	NOx A								
sn			1420D/3379	1200951381								
offset			0	0								
fullscale			25	20								
train			1	1								
gastype			o2 3a	nox 7e								
scg1	2/21/2013	14:32:15	9.89	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:32:30	9.89	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:32:45	9.88	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:00	9.87	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:15	9.88	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:30	8.54	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:45	4.01	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:34:00	0.88	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:34:15	0.16	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:34:30	0.09	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero1	2/21/2013	14:34:30	0.09	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero1	2/21/2013	14:34:30	0.09	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg6	2/21/2013	14:34:45	0.08	0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:35:00	0.07	0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:35:15	0.07	0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:35:30	0.06	0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:35:45	0.05	1.0	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:36:00	0.06	14.4	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:36:15	0.06	16.7	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:36:30	0.05	16.9	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:36:45	0.04	19.0	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:37:00	0.05	19.0	CC410976/cg6	NOx	19.63		0		0	0
noxspan1	2/21/2013	14:36:45	0.04	19.0	CC410976/cg6	NOx	19.63		0		0	0
run5	2/21/2013	14:41:00	15.05	13.0								
run5	2/21/2013	14:41:15	15.06	13.1								
run5	2/21/2013	14:41:30	15.06	13.1								
run5	2/21/2013	14:41:45	15.06	13.1								
run5	2/21/2013	14:42:00	15.06	13.1								
run5	2/21/2013	14:42:15	15.06	13.1								
run5	2/21/2013	14:42:30	15.07	13.1								
run5	2/21/2013	14:42:45	15.07	13.0								
run5	2/21/2013	14:43:00	15.07	13.1								
run5	2/21/2013	14:43:15	15.07	13.0								
run5	2/21/2013	14:43:30	15.07	13.0								
run5	2/21/2013	14:43:45	15.06	13.1								
run5	2/21/2013	14:44:00	15.06	13.0								
run5	2/21/2013	14:44:15	15.07	13.0								
run5	2/21/2013	14:44:30	15.08	13.1								
run5	2/21/2013	14:44:45	15.06	13.1								
run5	2/21/2013	14:45:00	15.08	13.1								
run5	2/21/2013	14:45:15	15.08	13.1								
run5	2/21/2013	14:45:30	15.07	13.1								
run5	2/21/2013	14:45:45	15.07	13.1								
run5	2/21/2013	14:46:00	15.08	13.0								
run5	2/21/2013	14:46:15	15.08	13.0								
run5	2/21/2013	14:46:30	15.07	13.1								
run5	2/21/2013	14:46:45	15.08	13.1								
run5	2/21/2013	14:47:00	15.08	13.1								
run5	2/21/2013	14:47:15	15.07	13.2								
run5	2/21/2013	14:47:30	15.08	13.2								
run5	2/21/2013	14:47:45	15.07	13.2								
run5	2/21/2013	14:48:00	15.08	13.1								
run5	2/21/2013	14:48:15	15.08	13.2								
run5	2/21/2013	14:48:30	15.06	13.2								
run5	2/21/2013	14:48:45	15.08	13.2								
run5	2/21/2013	14:49:00	15.07	13.2								
run5	2/21/2013	14:49:15	15.08	13.2								
run5	2/21/2013	14:49:30	15.08	13.2								
run5	2/21/2013	14:49:45	15.08	13.3								
run5	2/21/2013	14:50:00	15.08	13.3								
run5	2/21/2013	14:50:15	15.07	13.3								
run5	2/21/2013	14:50:30	15.08	13.3								
run5	2/21/2013	14:50:45	15.07	13.3								
run5	2/21/2013	14:51:00	15.08	13.3								
run5	2/21/2013	14:51:15	15.07	13.3								
run5	2/21/2013	14:51:30	15.08	13.3								
run5	2/21/2013	14:51:45	15.08	13.3								
run5	2/21/2013	14:52:00	15.08	13.3								
run5	2/21/2013	14:52:15	15.08	13.3								
run5	2/21/2013	14:52:30	15.07	13.2								
run5	2/21/2013	14:52:45	15.08	13.2								
run5	2/21/2013	14:53:00	15.08	13.3								
run5	2/21/2013	14:53:15	15.08	13.3								
run5	2/21/2013	14:53:30	15.08	13.3								
run5	2/21/2013	14:53:45	15.08	13.3								
run5	2/21/2013	14:54:00	15.08	13.3								
run5	2/21/2013	14:54:15	15.08	13.3								
run5	2/21/2013	14:54:30	15.08	13.3								
run5	2/21/2013	14:54:45	15.07	13.2								
run5	2/21/2013	14:55:00	15.08	13.2								
run5	2/21/2013	14:55:15	15.08	13.2								
run5	2/21/2013	14:55:30	15.08	13.2								
run5	2/21/2013	14:55:45	15.08	13.3								
run5	2/21/2013	14:56:00	15.08	13.4								
run5	2/21/2013	14:56:15	15.08	13.4								
run5	2/21/2013	14:56:30	15.07	13.3								
run5	2/21/2013	14:58:45	15.07	13.4								
run5	2/21/2013	14:57:00	15.07	13.4								
run5	2/21/2013	14:57:15	15.07	13.4								
run5	2/21/2013	14:57:30	15.07	13.4								
run5	2/21/2013	14:57:45	15.07	13.4								
run5	2/21/2013	14:58:00	15.08	13.3								
run5	2/21/2013	14:56:15	15.08	13.4								
run5	2/21/2013	14:58:30	15.08	13.4								
run5	2/21/2013	14:58:45	15.08	13.3								
run5	2/21/2013	14:59:00	15.07	13.3								
run5	2/21/2013	14:59:15	15.08	13.4								
run5	2/21/2013	14:59:30	15.07	13.5								

name			O2 A	NOx A								
sn			1420D/3379	1200951381								
offset			0	0								
fullscale			25	20								
train			1	1								
gastype			o2 3a	nox 7e								
run5	2/21/2013	14:59:45	15.06	13.4								
run5	2/21/2013	15:00:00	15.06	13.4								
run5	2/21/2013	15:00:15	15.07	13.4								
run5	2/21/2013	15:00:30	15.06	13.4								
run5	2/21/2013	15:00:45	15.07	13.3								
run5	2/21/2013	15:01:00	15.08	13.4								
run5	2/21/2013	15:01:15	15.08	13.3								
run5	2/21/2013	15:01:30	15.06	13.3								
run5	2/21/2013	15:01:45	15.07	13.3								
averun5	2/21/2013	14:41:00	15.07	13.2			21					
scg6	2/21/2013	15:02:00	15.08	13.2	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:02:15	15.07	13.3	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:02:30	15.07	13.3	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:02:45	15.08	13.3	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:03:00	15.07	14.3	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:03:15	12.87	17.8	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:03:30	5.13	19.1	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:03:45	0.79	19.2	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	15:04:00	0.15	19.2	CC410976/cg6	NOx	19.63	0	0	0		
noxspan1	2/21/2013	15:04:00	0.15	19.2	CC410976/cg6	NOx	19.63	0	0	0		
scg1	2/21/2013	15:04:15	0.10	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:04:30	0.08	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:04:45	0.08	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:05:00	0.07	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:05:15	0.07	15.8	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:05:30	0.06	2.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:05:45	0.05	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:08:00	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:06:15	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero1	2/21/2013	15:06:15	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero1	2/21/2013	15:08:15	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg2	2/21/2013	15:06:30	0.05	0.2	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:06:45	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:07:00	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:07:15	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.536		0	0
scg2	2/21/2013	15:07:30	0.04	0.1	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:07:45	1.56	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:08:00	6.05	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:08:15	8.85	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:08:30	9.71	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:08:45	9.81	0.0	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:09:00	9.62	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:09:15	9.83	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	15:09:30	9.84	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
o2span1	2/21/2013	15:09:15	9.83	0.0	CC417218/cg2	O2	9.928	CO2	9.536		0	0
run6	2/21/2013	15:13:00	15.05	13.1								
run6	2/21/2013	15:13:15	15.06	13.1								
run6	2/21/2013	15:13:30	15.06	13.1								
run6	2/21/2013	15:13:45	15.06	13.1								
run6	2/21/2013	15:14:00	15.06	13.1								
run6	2/21/2013	15:14:15	15.06	13.2								
run6	2/21/2013	15:14:30	15.07	13.2								
run6	2/21/2013	15:14:45	15.07	13.2								
run6	2/21/2013	15:15:00	15.07	13.2								
run6	2/21/2013	15:15:15	15.07	13.2								
run6	2/21/2013	15:15:30	15.07	13.2								
run6	2/21/2013	15:15:45	15.07	13.2								
run6	2/21/2013	15:16:00	15.07	13.3								
run6	2/21/2013	15:16:15	15.06	13.2								
run6	2/21/2013	15:16:30	15.07	13.3								
run6	2/21/2013	15:16:45	15.07	13.3								
run6	2/21/2013	15:17:00	15.06	13.3								
run6	2/21/2013	15:17:15	15.07	13.3								
run6	2/21/2013	15:17:30	15.06	13.3								
run6	2/21/2013	15:17:45	15.07	13.3								
run6	2/21/2013	15:18:00	15.06	13.2								
run6	2/21/2013	15:18:15	15.07	13.3								
run6	2/21/2013	15:18:30	15.06	13.3								
run6	2/21/2013	15:18:45	15.07	13.3								
run6	2/21/2013	15:19:00	15.06	13.2								
run6	2/21/2013	15:19:15	15.07	13.2								
run6	2/21/2013	15:19:30	15.08	13.2								
run6	2/21/2013	15:19:45	15.07	13.2								
run6	2/21/2013	15:20:00	15.07	13.2								
run6	2/21/2013	15:20:15	15.07	13.2								
run6	2/21/2013	15:20:30	15.08	13.2								
run6	2/21/2013	15:20:45	15.07	13.2								
run6	2/21/2013	15:21:00	15.06	13.2								
run6	2/21/2013	15:21:15	15.08	13.2								
run6	2/21/2013	15:21:30	15.08	13.1								
run6	2/21/2013	15:21:45	15.08	13.1								
run6	2/21/2013	15:22:00	15.06	13.1								
run6	2/21/2013	15:22:15	15.08	13.1								
run6	2/21/2013	15:22:30	15.08	13.2								
run6	2/21/2013	15:22:45	15.08	13.1								
run6	2/21/2013	15:23:00	15.08	13.1								
run6	2/21/2013	15:23:15	15.08	13.2								
run6	2/21/2013	15:23:30	15.08	13.2								
run6	2/21/2013	15:23:45	15.08	13.2								
run6	2/21/2013	15:24:00	15.08	13.2								
run6	2/21/2013	15:24:15	15.08	13.2								
run6	2/21/2013	15:24:30	15.08	13.2								
run6	2/21/2013	15:24:45	15.08	13.2								
run6	2/21/2013	15:25:00	15.08	13.2								
run6	2/21/2013	15:25:15	15.08	13.2								
run6	2/21/2013	15:25:30	15.08	13.2								
run6	2/21/2013	15:25:45	15.08	13.2								
run6	2/21/2013	15:26:00	15.08	13.2								

name			O2 A	NOx A							
sn			1420D/3379	1200951381							
offset			0	0							
fullscale			25	20							
train			1	1							
gastype			o2 3a	nox 7e							
run6	2/21/2013	15:26:15	15.08	13.2							
run6	2/21/2013	15:26:30	15.08	13.3							
run6	2/21/2013	15:26:45	15.07	13.3							
run6	2/21/2013	15:27:00	15.07	13.3							
run6	2/21/2013	15:27:15	15.07	13.3							
run6	2/21/2013	15:27:30	15.08	13.3							
run6	2/21/2013	15:27:45	15.07	13.3							
run6	2/21/2013	15:28:00	15.08	13.3							
run6	2/21/2013	15:28:15	15.07	13.2							
run6	2/21/2013	15:28:30	15.08	13.1							
run6	2/21/2013	15:28:45	15.08	13.1							
run6	2/21/2013	15:29:00	15.07	13.1							
run6	2/21/2013	15:29:15	15.07	13.1							
run6	2/21/2013	15:29:30	15.08	13.2							
run6	2/21/2013	15:29:45	15.07	13.1							
run6	2/21/2013	15:30:00	15.08	13.1							
run6	2/21/2013	15:30:15	15.08	13.1							
run6	2/21/2013	15:30:30	15.08	13.1							
run6	2/21/2013	15:30:45	15.08	13.1							
run6	2/21/2013	15:31:00	15.08	13.1							
run6	2/21/2013	15:31:15	15.08	13.1							
run6	2/21/2013	15:31:30	15.07	13.1							
run6	2/21/2013	15:31:45	15.08	13.1							
run6	2/21/2013	15:32:00	15.08	13.1							
run6	2/21/2013	15:32:15	15.08	13.0							
run6	2/21/2013	15:32:30	15.08	13.1							
run6	2/21/2013	15:32:45	15.07	13.1							
run8	2/21/2013	15:33:00	15.08	13.1							
run8	2/21/2013	15:33:15	15.08	13.1							
run8	2/21/2013	15:33:30	15.08	13.1							
run8	2/21/2013	15:33:45	15.08	13.2							
averun8	2/21/2013	15:13:00	15.07	13.2	21						
scg2	2/21/2013	15:34:00	15.08	13.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:34:15	15.08	13.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:34:30	15.07	13.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:34:45	15.08	13.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:35:00	15.07	10.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:35:15	14.22	1.4	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:35:30	11.51	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:35:45	10.15	0.3	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:36:00	9.91	0.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	15:36:15	9.89	0.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0
o2span1	2/21/2013	15:36:15	9.89	0.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg1	2/21/2013	15:36:30	9.88	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:36:45	9.88	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:00	9.88	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:15	9.87	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:30	9.87	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:45	9.78	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:00	8.91	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:15	2.44	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:30	0.40	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:45	0.11	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:39:00	0.08	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:39:15	0.07	0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero1	2/21/2013	15:39:15	0.07	0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero1	2/21/2013	15:39:15	0.07	0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg6	2/21/2013	15:39:30	0.06	0.0	CC410978/cg6	NOx	19.83		0		0	0
scg6	2/21/2013	15:39:45	0.06	0.0	CC410978/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	15:40:00	0.08	0.0	CC410978/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	15:40:15	0.04	0.0	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	15:40:30	0.05	0.8	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	15:40:45	0.05	13.2	CC410976/cg6	NOx	19.83		0		0	0
scg6	2/21/2013	15:41:00	0.05	18.8	CC410976/cg6	NOx	19.83		0		0	0
scg8	2/21/2013	15:41:15	0.04	18.9	CC410976/cg6	NOx	19.63		0		0	0
scg8	2/21/2013	15:41:30	0.05	19.0	CC410976/cg6	NOx	19.63		0		0	0
noxspan1	2/21/2013	15:41:30	0.05	19.0	CC410976/cg8	NOx	19.63		0		0	0
run7	2/21/2013	15:45:00	15.04	13.2							
run7	2/21/2013	15:45:15	15.03	13.2							
run7	2/21/2013	15:45:30	15.04	13.3							
run7	2/21/2013	15:45:45	15.04	13.3							
run7	2/21/2013	15:46:00	15.04	13.2							
run7	2/21/2013	15:48:15	15.05	13.3							
run7	2/21/2013	15:46:30	15.05	13.3							
run7	2/21/2013	15:46:45	15.04	13.3							
run7	2/21/2013	15:47:00	15.04	13.3							
run7	2/21/2013	15:47:15	15.05	13.3							
run7	2/21/2013	15:47:30	15.05	13.3							
run7	2/21/2013	15:47:45	15.06	13.3							
run7	2/21/2013	15:48:00	15.06	13.3							
run7	2/21/2013	15:48:15	15.06	13.3							
run7	2/21/2013	15:48:30	15.05	13.3							
run7	2/21/2013	15:48:45	15.06	13.3							
run7	2/21/2013	15:49:00	15.06	13.3							
run7	2/21/2013	15:49:15	15.08	13.2							
run7	2/21/2013	15:49:30	15.06	13.2							
run7	2/21/2013	15:49:45	15.05	13.2							
run7	2/21/2013	15:50:00	15.06	13.1							
run7	2/21/2013	15:50:15	15.07	13.2							
run7	2/21/2013	15:50:30	15.08	13.1							
run7	2/21/2013	15:50:45	15.07	13.1							
run7	2/21/2013	15:51:00	15.07	13.1							
run7	2/21/2013	15:51:15	15.07	13.1							
run7	2/21/2013	15:51:30	15.07	13.1							
run7	2/21/2013	15:51:45	15.08	13.1							
run7	2/21/2013	15:52:00	15.07	13.0							
run7	2/21/2013	15:52:15	15.07	13.0							
run7	2/21/2013	15:52:30	15.07	13.0							

name			O2 A	NOx A									
sn			1420D/3379	1200951381									
offset			0	0									
fullscale			25	20									
train			1	1									
gastype			o2 3a	nox 7e									
run7	2/21/2013	15:52:45	15.07	13.0									
run7	2/21/2013	15:53:00	15.06	13.0									
run7	2/21/2013	15:53:15	15.07	13.1									
run7	2/21/2013	15:53:30	15.07	13.1									
run7	2/21/2013	15:53:45	15.07	13.1									
run7	2/21/2013	15:54:00	15.06	13.1									
run7	2/21/2013	15:54:15	15.07	13.1									
run7	2/21/2013	15:54:30	15.07	13.1									
run7	2/21/2013	15:54:45	15.06	13.2									
run7	2/21/2013	15:55:00	15.07	13.2									
run7	2/21/2013	15:55:15	15.07	13.1									
run7	2/21/2013	15:55:30	15.07	13.2									
run7	2/21/2013	15:55:45	15.07	13.2									
run7	2/21/2013	15:56:00	15.07	13.2									
run7	2/21/2013	15:58:15	15.07	13.2									
run7	2/21/2013	15:56:30	15.07	13.2									
run7	2/21/2013	15:56:45	15.07	13.2									
run7	2/21/2013	15:57:00	15.07	13.2									
run7	2/21/2013	15:57:15	15.07	13.2									
run7	2/21/2013	15:57:30	15.07	13.1									
run7	2/21/2013	15:57:45	15.07	13.1									
run7	2/21/2013	15:56:00	15.07	13.1									
run7	2/21/2013	15:56:15	15.07	13.1									
run7	2/21/2013	15:56:30	15.07	13.1									
run7	2/21/2013	15:58:45	15.07	13.1									
run7	2/21/2013	15:59:00	15.07	13.1									
run7	2/21/2013	15:59:15	15.07	13.1									
run7	2/21/2013	15:59:30	15.07	13.1									
run7	2/21/2013	15:59:45	15.08	13.1									
run7	2/21/2013	16:00:00	15.07	13.1									
run7	2/21/2013	16:00:15	15.06	13.1									
run7	2/21/2013	16:00:30	15.08	13.2									
run7	2/21/2013	16:00:45	15.07	13.2									
run7	2/21/2013	16:01:00	15.07	13.2									
run7	2/21/2013	16:01:15	15.08	13.2									
run7	2/21/2013	16:01:30	15.07	13.3									
run7	2/21/2013	16:01:45	15.08	13.2									
run7	2/21/2013	16:02:00	15.07	13.2									
run7	2/21/2013	16:02:15	15.07	13.2									
run7	2/21/2013	16:02:30	15.07	13.2									
run7	2/21/2013	16:02:45	15.07	13.2									
run7	2/21/2013	16:03:00	15.08	13.2									
run7	2/21/2013	16:03:15	15.07	13.2									
run7	2/21/2013	16:03:30	15.08	13.3									
run7	2/21/2013	16:03:45	15.07	13.3									
run7	2/21/2013	16:04:00	15.08	13.3									
run7	2/21/2013	16:04:15	15.08	13.3									
run7	2/21/2013	16:04:30	15.07	13.2									
run7	2/21/2013	16:04:45	15.07	13.2									
run7	2/21/2013	16:05:00	15.08	13.3									
run7	2/21/2013	16:05:15	15.08	13.4									
run7	2/21/2013	16:05:30	15.08	13.5									
run7	2/21/2013	16:05:45	15.08	13.5									
averun7	2/21/2013	15:45:00	15.08	13.2		21							
scg8	2/21/2013	16:06:00	15.05	13.5	CC410978/cg8	NOx	19.63		0	0	0		
scg8	2/21/2013	16:06:15	15.06	13.4	CC410978/cg8	NOx	19.63		0	0	0		
scg8	2/21/2013	16:06:30	15.06	13.3	CC410978/cg8	NOx	19.63		0	0	0		
scg6	2/21/2013	16:06:45	15.05	13.5	CC410978/cg8	NOx	19.63		0	0	0		
scg6	2/21/2013	16:07:00	15.05	14.6	CC410978/cg8	NOx	19.63		0	0	0		
scg6	2/21/2013	16:07:15	12.45	18.1	CC410978/cg8	NOx	19.63		0	0	0		
scg6	2/21/2013	16:07:30	4.64	19.2	CC410976/cg8	NOx	19.63		0	0	0		
scg6	2/21/2013	16:07:45	0.68	19.2	CC410978/cg8	NOx	19.63		0	0	0		
noxspan1	2/21/2013	16:07:45	0.86	19.2	CC410978/cg8	NOx	19.63		0	0	0		
scg1	2/21/2013	16:08:00	0.14	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	16:08:15	0.09	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	16:08:30	0.07	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	16:08:45	0.07	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	16:09:00	0.07	15.5	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	16:09:15	0.06	2.0	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	16:09:30	0.06	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	16:09:45	0.04	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	18:10:00	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
o2zero1	2/21/2013	16:10:00	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
noxzero1	2/21/2013	16:10:00	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg2	2/21/2013	16:10:30	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:10:45	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:11:00	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:11:15	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:11:30	0.20	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:11:45	3.53	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:12:00	7.58	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:12:15	9.42	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:12:30	9.78	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	16:12:45	9.81	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
o2span1	2/21/2013	16:12:45	9.81	0.0	CC417218/cg2	O2	9.928	CO2	9.536		0	0	
run8	2/21/2013	16:17:00	15.04	13.3									
run8	2/21/2013	16:17:15	15.04	13.4									
run8	2/21/2013	16:17:30	15.04	13.4									
run8	2/21/2013	16:17:45	15.05	13.3									
run8	2/21/2013	16:18:00	15.05	13.4									
run8	2/21/2013	16:18:15	15.05	13.3									
run8	2/21/2013	16:18:30	15.05	13.4									
run8	2/21/2013	16:18:45	15.04	13.4									
run8	2/21/2013	16:19:00	15.05	13.4									
run8	2/21/2013	16:19:15	15.05	13.4									
run8	2/21/2013	16:19:30	15.06	13.4									
run8	2/21/2013	16:19:45	15.06	13.4									
run8	2/21/2013	16:20:00	15.05	13.4									

name			O2 A	NOx A							
sn			1420D/3379	1200951381							
offset			0	0							
fullscale			25	20							
train			1	1							
gastype			o2 3a	nox 7e							
run8	2/21/2013	16:20:15	15.05	13.4							
run8	2/21/2013	16:20:30	15.05	13.5							
run8	2/21/2013	16:20:45	15.05	13.4							
run6	2/21/2013	16:21:00	15.05	13.4							
run6	2/21/2013	16:21:15	15.06	13.4							
run6	2/21/2013	16:21:30	15.06	13.4							
run6	2/21/2013	16:21:45	15.06	13.4							
run8	2/21/2013	16:22:00	15.06	13.4							
run6	2/21/2013	16:22:15	15.06	13.4							
run8	2/21/2013	16:22:30	15.06	13.5							
run6	2/21/2013	16:22:45	15.05	13.5							
run6	2/21/2013	16:23:00	15.06	13.5							
run6	2/21/2013	16:23:15	15.06	13.5							
run6	2/21/2013	16:23:30	15.06	13.5							
run6	2/21/2013	16:23:45	15.05	13.6							
run8	2/21/2013	16:24:00	15.05	13.6							
run6	2/21/2013	16:24:15	15.05	13.6							
run6	2/21/2013	16:24:30	15.05	13.6							
run8	2/21/2013	16:24:45	15.06	13.6							
run8	2/21/2013	16:25:00	15.06	13.5							
run8	2/21/2013	16:25:15	15.06	13.5							
run8	2/21/2013	16:25:30	15.05	13.5							
run8	2/21/2013	16:25:45	15.06	13.5							
run8	2/21/2013	16:26:00	15.06	13.6							
run6	2/21/2013	16:26:15	15.06	13.6							
run6	2/21/2013	16:26:30	15.06	13.5							
run8	2/21/2013	16:26:45	15.06	13.5							
run8	2/21/2013	16:27:00	15.06	13.5							
run8	2/21/2013	16:27:15	15.06	13.5							
run6	2/21/2013	16:27:30	15.06	13.6							
run6	2/21/2013	16:27:45	15.06	13.6							
run6	2/21/2013	16:28:00	15.06	13.7							
run6	2/21/2013	16:28:15	15.06	13.7							
run8	2/21/2013	16:28:30	15.05	13.7							
run6	2/21/2013	16:28:45	15.05	13.7							
run8	2/21/2013	16:29:00	15.06	13.7							
run8	2/21/2013	16:29:15	15.06	13.7							
run8	2/21/2013	16:29:30	15.05	13.7							
run8	2/21/2013	16:29:45	15.08	13.7							
run8	2/21/2013	16:30:00	15.06	13.7							
run8	2/21/2013	16:30:15	15.06	13.7							
run8	2/21/2013	16:30:30	15.08	13.7							
run8	2/21/2013	16:30:45	15.08	13.7							
run8	2/21/2013	16:31:00	15.06	13.6							
run8	2/21/2013	16:31:15	15.06	13.8							
run8	2/21/2013	16:31:30	15.06	13.8							
run8	2/21/2013	16:31:45	15.06	13.8							
run8	2/21/2013	16:32:00	15.08	13.8							
run8	2/21/2013	16:32:15	15.06	13.6							
run8	2/21/2013	16:32:30	15.08	13.8							
run8	2/21/2013	16:32:45	15.06	13.7							
run8	2/21/2013	16:33:00	15.05	13.8							
run8	2/21/2013	16:33:15	15.08	13.8							
run8	2/21/2013	16:33:30	15.06	13.8							
run8	2/21/2013	16:33:45	15.08	13.8							
run8	2/21/2013	16:34:00	15.06	13.8							
run8	2/21/2013	16:34:15	15.04	13.8							
run8	2/21/2013	16:34:30	15.06	13.8							
run8	2/21/2013	16:34:45	15.06	13.9							
run8	2/21/2013	16:35:00	15.05	13.9							
run8	2/21/2013	16:35:15	15.06	13.9							
run8	2/21/2013	16:35:30	15.06	13.9							
run8	2/21/2013	16:35:45	15.05	13.7							
run8	2/21/2013	16:36:00	15.06	13.7							
run6	2/21/2013	16:36:15	15.06	13.7							
run6	2/21/2013	16:36:30	15.06	13.6							
run8	2/21/2013	16:36:45	15.06	13.6							
run8	2/21/2013	16:37:00	15.07	13.5							
run8	2/21/2013	16:37:15	15.07	13.5							
run6	2/21/2013	16:37:30	15.06	13.5							
run6	2/21/2013	16:37:45	15.07	13.4							
averun8	2/21/2013	16:17:00	15.06	13.6	21						
scg2	2/21/2013	16:38:00	15.07	13.4	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:38:15	15.07	13.4	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:38:30	15.07	13.3	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:38:45	15.07	13.3	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:39:00	15.06	9.0	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:39:15	14.01	1.1	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:39:30	11.30	0.3	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:39:45	10.08	0.3	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:40:00	9.90	0.2	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:40:15	9.88	0.2	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg2	2/21/2013	16:40:30	9.88	0.2	CC417218/cg2	O2	9.028	CO2	9.538	0	0
o2span1	2/21/2013	16:40:30	9.88	0.2	CC417218/cg2	O2	9.028	CO2	9.538	0	0
scg1	2/21/2013	16:40:45	9.87	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:41:00	9.67	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:41:15	9.86	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:41:30	9.87	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:41:45	9.86	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:42:00	9.09	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:42:15	4.90	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:42:30	1.35	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:42:45	0.20	0.0	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	16:43:00	0.10	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
o2zero1	2/21/2013	16:43:00	0.10	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
noxzero1	2/21/2013	16:43:00	0.10	0.1	CC96424/cg1	NOx	0	O2	0	CO	0
scg6	2/21/2013	16:43:15	0.08	0.0	CC410976/cg6	NOx	19.83		0	0	0
scg6	2/21/2013	16:43:30	0.08	0.0	CC410976/cg6	NOx	19.63		0	0	0

name			O2 A	NOx A						
sn			1420D/3379	1200951381						
offset			0	0						
fullscale			25	20						
train			1	1						
gastype			o2 3a	nox 7e						
scg6	2/21/2013	16:43:45	0.06	0.0	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:00	0.06	0.0	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:15	0.06	0.0	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:30	0.06	7.7	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:45	0.06	16.0	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:45:00	0.06	18.9	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:45:15	0.05	19.0	CC410976/cg6	NOx	19.63	0	0	0
noxspan1	2/21/2013	16:45:15	0.05	19.0	CC410976/cg6	NOx	19.63	0	0	0
run9	2/21/2013	16:49:00	15.03	13.4						
run9	2/21/2013	16:49:15	15.04	13.4						
run9	2/21/2013	16:49:30	15.04	13.4						
run9	2/21/2013	16:49:45	15.04	13.4						
run9	2/21/2013	16:50:00	15.04	13.5						
run9	2/21/2013	16:50:15	15.04	13.5						
run9	2/21/2013	16:50:30	15.04	13.5						
run9	2/21/2013	16:50:45	15.04	13.5						
run9	2/21/2013	16:51:00	15.05	13.5						
run9	2/21/2013	16:51:15	15.05	13.5						
run9	2/21/2013	16:51:30	15.05	13.5						
run9	2/21/2013	16:51:45	15.05	13.5						
run9	2/21/2013	16:52:00	15.05	13.5						
run9	2/21/2013	16:52:15	15.06	13.5						
run9	2/21/2013	16:52:30	15.06	13.5						
run9	2/21/2013	16:52:45	15.06	13.5						
run9	2/21/2013	16:53:00	15.06	13.5						
run9	2/21/2013	16:53:15	15.06	13.5						
run9	2/21/2013	16:53:30	15.05	13.5						
run9	2/21/2013	16:53:45	15.06	13.5						
run9	2/21/2013	16:54:00	15.06	13.5						
run9	2/21/2013	16:54:15	15.05	13.5						
run9	2/21/2013	16:54:30	15.06	13.5						
run9	2/21/2013	16:54:45	15.06	13.4						
run9	2/21/2013	16:55:00	15.06	13.4						
run9	2/21/2013	16:55:15	15.06	13.4						
run9	2/21/2013	16:55:30	15.06	13.4						
run9	2/21/2013	16:55:45	15.07	13.4						
run9	2/21/2013	16:56:00	15.07	13.3						
run9	2/21/2013	16:56:15	15.07	13.3						
run9	2/21/2013	16:56:30	15.06	13.3						
run9	2/21/2013	16:56:45	15.07	13.3						
run9	2/21/2013	16:57:00	15.07	13.3						
run9	2/21/2013	16:57:15	15.07	13.3						
run9	2/21/2013	16:57:30	15.07	13.3						
run9	2/21/2013	16:57:45	15.07	13.4						
run9	2/21/2013	16:58:00	15.07	13.3						
run9	2/21/2013	16:58:15	15.07	13.3						
run9	2/21/2013	16:58:30	15.06	13.3						
run9	2/21/2013	16:56:45	15.06	13.4						
run9	2/21/2013	16:59:00	15.06	13.4						
run9	2/21/2013	16:59:15	15.07	13.4						
run9	2/21/2013	16:59:30	15.07	13.4						
run9	2/21/2013	16:59:45	15.07	13.5						
run9	2/21/2013	17:00:00	15.06	13.4						
run9	2/21/2013	17:00:15	15.07	13.4						
run9	2/21/2013	17:00:30	15.07	13.4						
run9	2/21/2013	17:00:45	15.07	13.4						
run9	2/21/2013	17:01:00	15.06	13.4						
run9	2/21/2013	17:01:15	15.06	13.4						
run9	2/21/2013	17:01:30	15.06	13.4						
run9	2/21/2013	17:01:45	15.07	13.4						
run9	2/21/2013	17:02:00	15.07	13.5						
run9	2/21/2013	17:02:15	15.07	13.5						
run9	2/21/2013	17:02:30	15.07	13.4						
run9	2/21/2013	17:02:45	15.06	13.4						
run9	2/21/2013	17:03:00	15.07	13.4						
run9	2/21/2013	17:03:15	15.06	13.4						
run9	2/21/2013	17:03:30	15.07	13.4						
run9	2/21/2013	17:03:45	15.05	13.4						
run9	2/21/2013	17:04:00	15.06	13.4						
run9	2/21/2013	17:04:15	15.06	13.3						
run9	2/21/2013	17:04:30	15.07	13.3						
run9	2/21/2013	17:04:45	15.07	13.3						
run9	2/21/2013	17:05:00	15.07	13.3						
run9	2/21/2013	17:05:15	15.07	13.3						
run9	2/21/2013	17:05:30	15.07	13.3						
run9	2/21/2013	17:05:45	15.07	13.3						
run9	2/21/2013	17:06:00	15.07	13.3						
run9	2/21/2013	17:06:15	15.07	13.3						
run9	2/21/2013	17:06:30	15.07	13.3						
run9	2/21/2013	17:06:45	15.07	13.3						
run9	2/21/2013	17:07:00	15.07	13.3						
run9	2/21/2013	17:07:15	15.07	13.3						
run9	2/21/2013	17:07:30	15.07	13.4						
run9	2/21/2013	17:07:45	15.07	13.4						
run9	2/21/2013	17:06:00	15.07	13.5						
run9	2/21/2013	17:06:15	15.07	13.4						
run9	2/21/2013	17:08:30	15.07	13.4						
run9	2/21/2013	17:08:45	15.07	13.4						
run9	2/21/2013	17:09:00	15.07	13.4						
run9	2/21/2013	17:09:15	15.07	13.5						
run9	2/21/2013	17:09:30	15.07	13.5						
run9	2/21/2013	17:09:45	15.07	13.5						
averun9	2/21/2013	16:49:00	15.06	13.4		21				
scg6	2/21/2013	17:10:00	15.06	13.5	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	17:10:15	15.07	13.5	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	17:10:30	15.07	13.5	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	17:10:45	15.06	13.5	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	17:11:00	15.07	13.9	CC410976/cg6	NOx	19.63	0	0	0

name			O2 A	NOx A								
sn			1420D/3379	1200951381								
offset			0	0								
fullscale			25	20								
train			1	1								
gastype			*o2 3a*	*nox 7e*								
scg6	2/21/2013	17:11:15	14.09	17.0	CC410976/cg6	NOx	19.63		0	0	0	
scg6	2/21/2013	17:11:30	7.12	19.0	CC410976/cg6	NOx	19.63		0	0	0	
scg6	2/21/2013	17:11:45	1.37	19.2	CC410976/cg6	NOx	19.63		0	0	0	
scg6	2/21/2013	17:12:00	0.20	19.2	CC410976/cg6	NOx	19.63		0	0	0	
noxspan1	2/21/2013	17:12:00	0.20	19.2	CC410976/cg6	NOx	19.63		0	0	0	
scg1	2/21/2013	17:12:15	0.11	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:12:30	0.09	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:12:45	0.08	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:13:00	0.08	19.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:13:15	0.06	17.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:13:30	0.06	3.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:13:45	0.06	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:14:00	0.06	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:14:15	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	17:14:30	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero1	2/21/2013	17:14:30	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero1	2/21/2013	17:14:30	0.05	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg2	2/21/2013	17:14:45	0.05	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	17:15:00	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.536		0	0
scg2	2/21/2013	17:15:15	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	17:15:30	0.04	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	17:15:45	0.03	0.1	CC417218/cg2	O2	9.928	CO2	9.536		0	0
scg2	2/21/2013	17:16:00	1.26	0.1	CC417216/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	17:16:15	5.74	0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	17:16:30	8.71	0.0	CC417218/cg2	O2	9.928	CO2	9.536		0	0
scg2	2/21/2013	17:16:45	9.66	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	17:17:00	9.81	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	17:17:15	9.61	0.0	CC417218/cg2	O2	9.928	CO2	9.538		0	0
o2span1	2/21/2013	17:17:15	9.61	0.0	CC417216/cg2	O2	9.928	CO2	9.538		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 Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.10 %	0.05 %	0.07
9.93 percent O_2	9.85 %	9.84 %	9.85
0.0 ppm NO_X	0.3 ppm	0.4 ppm	0.35
19.6 ppm NO_X	19.0 ppm	19.4 ppm	19.18

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.25 percent O_2	**15.40** percent O_2	DRY
12.0 ppm NO_X	**12.1** ppm NO_X	DRY

Emission Calculations:

0.0480 NO_X Lbs/mmBtu from O_2

13.0 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.00 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.13 %	0.09
9.93 percent O_2	9.84 %	9.91 %	9.87
0.0 ppm NO_X	0.4 ppm	0.3 ppm	0.39
19.6 ppm NO_X	19.4 ppm	19.1 ppm	19.25

Mean Reference Values:	***Corrected Results:***	***Basis:***
15.24 percent O_2	**15.40** percent O_2	DRY
11.8 ppm NO_X	**11.9** ppm NO_X	DRY

Emission Calculations:

0.0470 NO_X Lbs/mmBtu from O_2

12.8 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.13 %	0.05 %	0.09
9.93 percent O_2	9.91 %	9.78 %	9.84
0.0 ppm NO_X	0.3 ppm	0.5 ppm	0.40
19.6 ppm NO_X	19.1 ppm	19.4 ppm	19.24

Mean Reference Values:
15.23 percent O_2
11.9 ppm NO_X

Corrected Results:
15.40 percent O_2
12.0 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0470 NO_X Lbs/mmBtu from O_2

12.9 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.12 %	0.08
9.93 percent O_2	9.78 %	9.93 %	9.86
0.0 ppm NO_X	0.5 ppm	0.4 ppm	0.43
19.6 ppm NO_X	19.4 ppm	19.2 ppm	19.28

Mean Reference Values:
15.22 percent O_2
11.6 ppm NO_X

Corrected Results:
15.40 percent O_2
11.6 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0460 NO_X Lbs/mmBtu from O_2

12.4 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.12 %	0.05 %	0.08
9.93 percent O_2	9.93 %	9.82 %	9.88
0.0 ppm NO_X	0.4 ppm	0.4 ppm	0.40
19.6 ppm NO_X	19.2 ppm	19.4 ppm	19.27

Mean Reference Values:
15.21 percent O_2
11.9 ppm NO_X

Corrected Results:
15.30 percent O_2
12.0 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0470 NO_X Lbs/mmBtu from O_2

12.6 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.05 %	0.08 %	0.07
9.93 percent O_2	9.82 %	9.91 %	9.87
0.0 ppm NO_X	0.4 ppm	0.3 ppm	0.38
19.6 ppm NO_X	19.4 ppm	19.1 ppm	19.25

Mean Reference Values:
15.22 percent O_2
11.8 ppm NO_X

Corrected Results:
15.40 percent O_2
11.9 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0470 NO_X Lbs/mmBtu from O_2

12.8 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.08 %	0.04 %	0.06
9.93 percent O_2	9.91 %	9.79 %	9.85
0.0 ppm NO_X	0.3 ppm	0.5 ppm	0.40
19.6 ppm NO_X	19.1 ppm	19.4 ppm	19.27

Mean Reference Values:	**Corrected Results:**	**Basis:**
15.20 percent O_2	**15.40** percent O_2	DRY
11.7 ppm NO_X	**11.8** ppm NO_X	DRY

Emission Calculations:

0.0470 NO_X Lbs/mmBtu from O_2

12.7 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.04 %	0.14 %	0.09
9.93 percent O_2	9.79 %	9.89 %	9.84
0.0 ppm NO_X	0.5 ppm	0.4 ppm	0.41
19.6 ppm NO_X	19.4 ppm	19.1 ppm	19.25

Mean Reference Values:
15.20 percent O_2
12.1 ppm NO_X

Corrected Results:
15.40 percent O_2
12.2 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0480 NO_X Lbs/mmBtu from O_2

13.1 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

Calculation of Average Emissions

Test Performed For:
Northernstar
Orange Cogen
Unit 2
Date:2/21/13

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

Calibration Gas Value	Initial Calibration	Final Calibration	Average
0.00 percent O_2	0.14 %	0.05 %	0.10
9.93 percent O_2	9.89 %	9.80 %	9.84
0.0 ppm NO_X	0.4 ppm	0.5 ppm	0.42
19.6 ppm NO_X	19.1 ppm	19.4 ppm	19.27

Mean Reference Values:
15.21 percent O_2
11.6 ppm NO_X

Corrected Results:
15.40 percent O_2
11.7 ppm NO_X

Basis:
DRY
DRY

Emission Calculations:
0.0460 NO_X Lbs/mmBtu from O_2

12.6 NOx @ 15% O2 from O2

Fuel Factors:

8710 dscf/mmBtu

Oxygen Correction: **15.0 %**

filename		2/21/2013	8:45:49											
testby1	C.E.M. Solutions Inc.													
testby2	1183 E. Overdrive Circle.													
testby3	Hernando, FL													
testby4	34442													
testfor1	Northernstar													
testfor2	Orange Cogen													
testfor3	Unit 2													
testfor4	Rata													
name				O2 B		NOx B								
sn				144001V02/4149		1016942787								
offset				0		0								
fullscale				25		20								
train				2		2								
gastype				o2 3a		nox 7e								
dcg1		2/21/2013	8:52:45	21.07		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:53:00	21.07		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:53:15	21.07		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:53:30	21.06		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:53:45	20.94		0.2 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:54:00	13.78		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:54:15	4.68		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:54:30	0.76		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:54:45	0.21		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:55:00	0.16		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:55:15	0.15		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:55:30	0.17		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:55:45	0.24		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:56:00	0.09		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:56:15	0.05		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:56:30	0.05		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:56:45	0.04		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	8:57:00	0.04		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
o2ezero2		2/21/2013	8:57:00	0.04		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
noxezero2		2/21/2013	8:57:00	0.04		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg3		2/21/2013	8:58:15	0.57		6.3 XC035605B/cg3	O2	20.48	CO2	18.99		0		0
dcg3		2/21/2013	8:58:30	10.87		8.4 XC035605B/cg3	O2	20.48	CO2	18.99		0		0
dcg3		2/21/2013	8:58:45	17.47		0.0 XC035605B/cg3	O2	20.48	CO2	18.99		0		0
dcg3		2/21/2013	8:59:00	18.99		0.0 XC035605B/cg3	O2	20.48	CO2	18.99		0		0
dcg3		2/21/2013	8:59:15	20.00		0.0 XC035605B/cg3	O2	20.48	CO2	18.99		0		0
dcg3		2/21/2013	8:59:30	20.49		0.0 XC035605B/cg3	O2	20.48	CO2	18.99		0		0
o2high2		2/21/2013	8:59:30	20.49		0.0 XC035605B/cg3	O2	20.48	CO2	18.99		0		0
dcg2		2/21/2013	8:59:45	20.63		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg2		2/21/2013	9:00:00	20.66		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg2		2/21/2013	9:00:15	18.88		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg2		2/21/2013	9:00:30	14.29		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg2		2/21/2013	9:00:45	11.54		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg2		2/21/2013	9:01:00	10.31		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg2		2/21/2013	9:01:15	10.05		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg2		2/21/2013	9:01:30	10.04		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
o2mid2		2/21/2013	9:01:30	10.04		0.0 CC417216/cg2	O2	9.928	CO2	9.538		0		0
dcg4		2/21/2013	9:01:45	10.02		0.0 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:02:00	10.02		7.4 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:02:15	8.75		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:02:30	4.47		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:02:45	1.60		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:03:00	0.28		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:03:15	0.05		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:03:30	0.03		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:03:45	0.03		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:04:00	0.02		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:04:15	0.02		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:04:30	0.02		20.3 CC410976/cg4	NOx	19.83		0		0		0
dcg1		2/21/2013	9:15:45	15.39		17.9 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:16:00	14.34		4.8 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:16:15	5.52		0.6 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:16:30	0.84		0.4 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:16:45	0.07		0.3 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:17:00	0.04		0.2 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:17:15	0.03		0.2 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:17:30	0.02		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:17:45	0.02		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:18:00	0.02		0.1 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg1		2/21/2013	9:18:15	0.02		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
o2ezero2		2/21/2013	9:18:15	0.02		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
noxezero2		2/21/2013	9:18:15	0.02		0.0 CC96424/cg1	NOx	0	O2	0	CO	0		0
dcg4		2/21/2013	9:18:30	0.02		0.0 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:18:45	0.01		1.5 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:19:00	0.01		14.2 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:19:15	0.02		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:19:30	0.01		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:19:45	0.01		20.3 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:20:00	0.00		18.2 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:20:15	0.01		4.8 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:20:30	0.01		16.0 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:20:45	0.01		20.0 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:21:00	0.01		19.5 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:21:15	0.00		20.0 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:21:30	-0.01		19.9 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:21:45	0.00		19.6 CC410976/cg4	NOx	19.63		0		0		0
dcg4		2/21/2013	9:22:00	0.00		19.6 CC410976/cg4	NOx	19.63		0		0		0
noxhigh2		2/21/2013	9:22:00	0.00		19.8 CC410976/cg4	NOx	19.63		0		0		0
dcg6		2/21/2013	9:22:15	0.00		19.6 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:22:30	0.00		18.2 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:22:45	0.00		9.4 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:23:00	0.23		8.1 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:23:15	0.16		8.1 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:23:30	0.01		8.3 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:23:45	0.00		8.9 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:24:00	0.00		9.2 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:24:15	0.00		9.2 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:24:30	0.00		9.3 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:24:45	0.00		9.5 CC331344/cg6	NOx	9.504		0		0		0
dcg6		2/21/2013	9:25:00	0.00		9.5 CC331344/cg6	NOx	9.504		0		0		0

name			O2 B	NOx B							
sn			144001V02/4149	1016942787							
offset			0	0							
fullscale			25	20							
train			2	2							
gastype			o2 3a	nox 7e							
noxmid2	2/21/2013	9:25:00	0.00	9.5	CC331344/cg6	NOx	9.504	0	0	0	
dcg4	2/21/2013	9:25:15	-0.01	9.6	CC410978/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:25:30	0.37	14.6	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:25:45	10.15	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:26:00	14.92	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:26:15	18.42	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:26:30	20.80	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:26:45	21.13	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:27:00	21.14	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:27:15	21.15	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:27:30	21.14	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:27:45	21.11	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:28:00	21.11	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:28:15	21.11	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:28:30	21.11	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:28:45	21.12	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:29:00	21.12	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:38:00	17.29	9.1	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:38:15	15.51	17.6	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:38:30	11.34	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg6	2/21/2013	9:38:45	3.42	20.3	CC331344/cg6	NOx	9.504	0	0	0	
dcg6	2/21/2013	9:39:00	0.43	20.3	CC331344/cg6	NOx	9.504	0	0	0	
dcg6	2/21/2013	9:39:15	0.06	13.2	CC331344/cg6	NOx	9.504	0	0	0	
dcg6	2/21/2013	9:39:30	0.10	9.2	CC331344/cg6	NOx	9.504	0	0	0	
dcg6	2/21/2013	9:39:45	0.07	9.6	CC331344/cg6	NOx	9.504	0	0	0	
dcg6	2/21/2013	9:40:00	0.03	9.5	CC331344/cg6	NOx	9.504	0	0	0	
dcg6	2/21/2013	9:40:15	0.03	9.5	CC331344/cg6	NOx	9.504	0	0	0	
dcg6	2/21/2013	9:40:30	0.02	9.5	CC331344/cg6	NOx	9.504	0	0	0	
dcg4	2/21/2013	9:40:45	0.02	9.6	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:41:00	0.03	16.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:41:15	0.03	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:41:30	0.02	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:41:45	0.02	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:42:00	0.01	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:42:15	0.02	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	9:42:30	0.01	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg1	2/21/2013	10:07:30	15.34	10.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:07:45	15.34	10.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:08:00	15.34	10.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:08:15	15.34	10.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:08:30	15.33	6.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:08:45	12.64	1.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:09:00	5.72	0.6	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:09:15	1.25	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:09:30	0.21	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:09:45	0.13	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:10:00	0.11	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:10:15	0.10	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:10:30	0.09	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:10:45	0.09	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:11:00	0.08	0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:11:15	0.07	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero2	2/21/2013	10:11:15	0.07	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero2	2/21/2013	10:11:15	0.07	0.1	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg6	2/21/2013	10:11:30	0.07	0.1	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:11:45	0.07	0.1	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:12:00	0.07	0.0	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:12:15	0.06	0.0	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:12:30	0.06	0.0	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:12:45	0.06	1.5	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:13:00	0.06	6.9	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:13:15	0.06	7.3	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:13:30	0.06	7.0	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:35:45	15.28	5.4	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:36:00	15.29	5.2	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:36:15	14.31	4.0	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:36:30	6.46	3.9	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:36:45	0.69	3.9	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:37:00	0.08	3.9	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:37:15	0.04	3.9	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:37:30	0.03	4.2	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:37:45	0.02	3.9	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:38:00	0.02	4.2	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:38:15	0.02	5.3	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:38:30	0.02	6.5	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:38:45	0.01	8.0	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:39:00	0.02	9.5	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:39:15	0.02	9.7	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:39:30	0.01	9.5	CC331344/cg6	NOx	9.504		0		0	0
scg6	2/21/2013	10:39:45	0.01	9.5	CC331344/cg6	NOx	9.504		0		0	0
scg1	2/21/2013	10:40:00	0.01	9.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:40:15	0.00	6.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:40:30	0.01	-0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:40:45	0.01	-0.2	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:41:00	0.00	0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:41:15	0.00	0.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:41:30	0.00	0.8	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:41:45	0.77	12.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:42:00	7.84	12.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:42:15	13.75	12.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:42:30	14.60	4.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:42:45	8.20	0.7	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:43:00	1.87	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:43:15	0.25	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:43:30	0.10	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:43:45	0.09	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	10:44:00	0.08	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero2	2/21/2013	10:44:00	0.08	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0

name			O2 B	NOx B							
sn			144001V02/4149	1016942787							
offset			0	0							
fullscale			25	20							
train			2	2							
gastype			o2 3a	nox 7e							
noxzero2	2/21/2013	10:44:00	0.08	0.4	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg2	2/21/2013	10:44:15	0.07	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:44:30	0.06	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:44:45	0.06	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:45:00	0.05	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:45:15	0.05	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:45:30	0.09	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:45:45	2.83	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:46:00	7.22	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:46:15	9.41	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:46:30	9.64	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:46:45	9.88	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg2	2/21/2013	10:47:00	9.88	0.3	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
o2span2	2/21/2013	10:46:45	9.88	0.4	CC417218/cg2	O2	9.928 CO2	9.538	0	0	
scg8	2/21/2013	10:47:15	9.89	0.3	CC331344/cg6	NOx	9.504	0	0	0	
scg6	2/21/2013	10:47:30	9.89	0.3	CC331344/cg6	NOx	9.504	0	0	0	
scg6	2/21/2013	10:47:45	9.89	0.3	CC331344/cg6	NOx	9.504	0	0	0	
scg6	2/21/2013	10:48:00	9.90	0.3	CC331344/cg6	NOx	9.504	0	0	0	
scg6	2/21/2013	10:48:15	9.90	0.5	CC331344/cg6	NOx	9.504	0	0	0	
scg6	2/21/2013	10:48:30	9.79	6.5	CC331344/cg6	NOx	9.504	0	0	0	
scg6	2/21/2013	10:48:45	6.67	9.5	CC331344/cg6	NOx	9.504	0	0	0	
scg6	2/21/2013	10:49:00	2.42	9.8	CC331344/cg6	NOx	9.504	0	0	0	
noxspan2	2/21/2013	10:49:00	2.42	9.8	CC331344/cg6	NOx	9.504	0	0	0	
scg4	2/21/2013	10:57:00	15.28	12.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:57:15	15.28	12.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:57:30	15.26	12.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:57:45	15.28	12.9	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:58:00	15.28	13.6	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:58:15	13.92	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:58:30	6.44	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:58:45	1.13	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:59:00	0.20	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:59:15	0.11	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:59:30	0.10	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	10:59:45	0.09	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:00:00	0.08	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:00:15	0.07	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:00:30	0.07	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:00:45	0.06	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:01:00	0.06	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:01:15	0.05	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:01:30	0.05	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:01:45	0.04	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:02:00	0.04	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:02:15	0.05	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:02:30	0.04	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:02:45	0.04	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:05:15	15.18	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:05:30	15.21	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:05:45	15.22	12.7	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:06:00	15.23	12.8	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:06:15	15.24	16.1	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:06:30	14.40	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:06:45	7.49	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:07:00	1.53	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:07:15	0.20	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:07:30	0.09	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:07:45	0.07	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:08:00	0.06	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:08:15	0.05	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:08:30	0.05	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:08:45	0.05	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:09:00	0.04	20.3	CC410976/cg4	NOx	19.63	0	0	0	
scg4	2/21/2013	11:09:15	0.03	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	11:09:30	0.04	20.3	CC410976/cg4	NOx	19.63	0	0	0	
dcg4	2/21/2013	11:11:30	11.59	50.8	CC365285/cg4	NOx	46.22	0	0	0	
dcg4	2/21/2013	11:11:45	13.00	50.3	CC365285/cg4	NOx	46.22	0	0	0	
dcg4	2/21/2013	11:12:00	11.83	49.8	CC365285/cg4	NOx	46.22	0	0	0	
dcg4	2/21/2013	11:12:15	3.94	47.1	CC365285/cg4	NOx	46.22	0	0	0	
dcg4	2/21/2013	11:12:30	0.31	46.2	CC365285/cg4	NOx	46.22	0	0	0	
dcg4	2/21/2013	11:12:45	0.01	46.2	CC365285/cg4	NOx	46.22	0	0	0	
noxhigh2	2/21/2013	11:12:45	0.01	46.2	CC365285/cg4	NOx	46.22	0	0	0	
dcg1	2/21/2013	11:13:00	-0.01	46.3	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg1	2/21/2013	11:13:15	-0.01	33.4	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg1	2/21/2013	11:13:30	-0.01	0.4	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg1	2/21/2013	11:13:45	-0.01	0.2	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg1	2/21/2013	11:14:00	-0.02	0.1	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg1	2/21/2013	11:14:15	-0.02	0.1	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg1	2/21/2013	11:14:30	-0.02	0.0	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg1	2/21/2013	11:14:45	-0.02	0.0	CC96424/cg1	NOx	0 O2	0 CO	0	0	
o2zero2	2/21/2013	11:14:45	-0.02	0.0	CC96424/cg1	NOx	0 O2	0 CO	0	0	
noxzero2	2/21/2013	11:14:45	-0.02	0.0	CC96424/cg1	NOx	0 O2	0 CO	0	0	
dcg6	2/21/2013	11:15:00	-0.03	-0.1	CC410976/cg6	NOx	19.63	0	0	0	
dcg6	2/21/2013	11:15:15	-0.02	0.2	CC410976/cg6	NOx	19.63	0	0	0	
dcg6	2/21/2013	11:15:30	-0.02	15.1	CC410976/cg6	NOx	19.63	0	0	0	
dcg6	2/21/2013	11:15:45	-0.01	19.1	CC410976/cg6	NOx	19.63	0	0	0	
dcg6	2/21/2013	11:16:00	-0.02	19.1	CC410976/cg6	NOx	19.63	0	0	0	
dcg6	2/21/2013	11:16:15	-0.02	19.1	CC410976/cg6	NOx	19.63	0	0	0	
noxmid2	2/21/2013	11:16:15	-0.02	19.1	CC410976/cg6	NOx	19.63	0	0	0	
scg1	2/21/2013	11:16:45	-0.02	18.9	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:17:00	-0.02	13.7	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:17:15	0.49	10.6	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:17:30	7.05	11.7	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:17:45	13.50	13.4	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:18:00	14.95	14.6	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:18:15	9.72	1.3	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:18:30	2.45	0.3	CC96424/cg1	NOx	0 O2	0 CO	0	0	
scg1	2/21/2013	11:18:45	0.30	0.3	CC96424/cg1	NOx	0 O2	0 CO	0	0	

name			O2 B		NOx B								
sn			144001V02/4149		1016942787								
offset			0		0								
fullscale			25		20								
train			2		2								
gastype			o2 3a		nox 7e								
scg1	2/21/2013	11:19:00	0.10		0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero2	2/21/2013	11:19:00	0.10		0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero2	2/21/2013	11:19:00	0.10		0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg2	2/21/2013	11:19:15	0.07		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:19:30	0.05		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:19:45	0.05		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:00	0.05		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:15	0.04		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:30	0.05		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:20:45	2.57		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:00	7.04		0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:15	9.31		0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:30	9.81		0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	11:21:45	9.85		0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
o2span2	2/21/2013	11:21:45	9.85		0.1	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg6	2/21/2013	11:22:00	9.87		0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:22:15	9.87		0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:22:30	9.87		0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:22:45	9.88		0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:23:00	9.86		0.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:23:15	9.88		7.0	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:23:30	8.37		17.3	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:23:45	3.60		16.7	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:24:00	0.75		16.9	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:24:15	0.14		16.9	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:24:30	0.08		18.9	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:24:45	0.06		19.0	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:25:00	0.06		19.0	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	11:25:15	0.04		19.0	CC410976/cg6	NOx	19.63		0		0	0
noxspan2	2/21/2013	11:25:00	0.06		19.0	CC410976/cg6	NOx	19.63		0		0	0
scg4	2/21/2013	11:25:30	0.04		19.0	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:25:45	0.03		19.0	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:00	0.04		19.0	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:15	0.04		19.0	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:30	0.03		20.2	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:26:45	0.03		39.2	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:00	0.03		42.6	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:15	0.03		42.6	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:30	0.02		42.7	CC365285/cg4	NOx	46.22		0		0	0
scg4	2/21/2013	11:27:45	0.01		42.7	CC365285/cg4	NOx	46.22		0		0	0
run1	2/21/2013	12:29:00	15.25		12.1								
run1	2/21/2013	12:29:15	15.25		12.1								
run1	2/21/2013	12:29:30	15.26		12.1								
run1	2/21/2013	12:29:45	15.25		12.2								
run1	2/21/2013	12:30:00	15.25		12.2								
run1	2/21/2013	12:30:15	15.25		12.1								
run1	2/21/2013	12:30:30	15.25		12.1								
run1	2/21/2013	12:30:45	15.25		12.1								
run1	2/21/2013	12:31:00	15.25		12.1								
run1	2/21/2013	12:31:15	15.25		12.1								
run1	2/21/2013	12:31:30	15.25		12.1								
run1	2/21/2013	12:31:45	15.25		12.1								
run1	2/21/2013	12:32:00	15.25		12.1								
run1	2/21/2013	12:32:15	15.26		12.1								
run1	2/21/2013	12:32:30	15.25		12.1								
run1	2/21/2013	12:32:45	15.25		12.1								
run1	2/21/2013	12:33:00	15.25		12.1								
run1	2/21/2013	12:33:15	15.25		12.1								
run1	2/21/2013	12:33:30	15.25		12.2								
run1	2/21/2013	12:33:45	15.25		12.1								
run1	2/21/2013	12:34:00	15.25		12.1								
run1	2/21/2013	12:34:15	15.24		12.1								
run1	2/21/2013	12:34:30	15.25		12.1								
run1	2/21/2013	12:34:45	15.25		12.1								
run1	2/21/2013	12:35:00	15.25		12.1								
run1	2/21/2013	12:35:15	15.25		12.2								
run1	2/21/2013	12:35:30	15.25		12.1								
run1	2/21/2013	12:35:45	15.25		12.1								
run1	2/21/2013	12:36:00	15.25		12.1								
run1	2/21/2013	12:36:15	15.25		12.1								
run1	2/21/2013	12:36:30	15.25		12.0								
run1	2/21/2013	12:36:45	15.25		12.0								
run1	2/21/2013	12:37:00	15.25		11.9								
run1	2/21/2013	12:37:15	15.26		11.9								
run1	2/21/2013	12:37:30	15.26		11.9								
run1	2/21/2013	12:37:45	15.26		11.9								
run1	2/21/2013	12:36:00	15.25		12.0								
run1	2/21/2013	12:38:15	15.24		12.0								
run1	2/21/2013	12:38:30	15.25		12.0								
run1	2/21/2013	12:38:45	15.25		12.0								
run1	2/21/2013	12:39:00	15.24		11.9								
run1	2/21/2013	12:39:15	15.25		11.9								
run1	2/21/2013	12:39:30	15.24		11.9								
run1	2/21/2013	12:39:45	15.25		11.9								
run1	2/21/2013	12:40:00	15.24		11.9								
run1	2/21/2013	12:40:15	15.25		11.9								
run1	2/21/2013	12:40:30	15.25		11.9								
run1	2/21/2013	12:40:45	15.25		11.9								
run1	2/21/2013	12:41:00	15.25		11.9								
run1	2/21/2013	12:41:15	15.25		12.0								
run1	2/21/2013	12:41:30	15.25		11.9								
run1	2/21/2013	12:41:45	15.25		11.9								
run1	2/21/2013	12:42:00	15.24		11.9								
run1	2/21/2013	12:42:15	15.25		11.9								
run1	2/21/2013	12:42:30	15.25		11.9								
run1	2/21/2013	12:42:45	15.24		11.9								
run1	2/21/2013	12:43:00	15.25		12.0								
run1	2/21/2013	12:43:15	15.25		12.0								

name			O2 B	NOx B
sn			144001V02/4149	1016942787
offset			0	0
fullscale			25	20
train			2	2
gastype			o2 3a	nox 7e
run1	2/21/2013	12:43:30	15.25	12.0
run1	2/21/2013	12:43:45	15.25	11.9
run1	2/21/2013	12:44:00	15.24	12.0
run1	2/21/2013	12:44:15	15.24	11.9
run1	2/21/2013	12:44:30	15.26	11.9
run1	2/21/2013	12:44:45	15.25	11.9
run1	2/21/2013	12:45:00	15.25	11.9
run1	2/21/2013	12:45:15	15.25	11.9
run1	2/21/2013	12:45:30	15.25	11.9
run1	2/21/2013	12:45:45	15.25	11.9
run1	2/21/2013	12:46:00	15.25	11.9
run1	2/21/2013	12:46:15	15.25	11.9
run1	2/21/2013	12:46:30	15.25	11.9
run1	2/21/2013	12:46:45	15.24	11.9
run1	2/21/2013	12:47:00	15.24	11.9
run1	2/21/2013	12:47:15	15.24	11.9
run1	2/21/2013	12:47:30	15.24	11.9
run1	2/21/2013	12:47:45	15.24	11.9
run1	2/21/2013	12:48:00	15.23	11.9
run1	2/21/2013	12:48:15	15.25	11.9
run1	2/21/2013	12:48:30	15.24	11.9
run1	2/21/2013	12:48:45	15.25	11.9
run1	2/21/2013	12:49:00	15.25	11.9
run1	2/21/2013	12:49:15	15.25	11.9
run1	2/21/2013	12:49:30	15.25	11.9
run1	2/21/2013	12:49:45	15.25	11.8
averun1	2/21/2013	12:29:00	15.25	12.0
scg4	2/21/2013	12:50:00	15.25	11.9
scg6	2/21/2013	12:50:15	15.25	11.9
scg6	2/21/2013	12:50:30	15.25	11.9
scg6	2/21/2013	12:50:45	15.24	11.9
scg6	2/21/2013	12:51:00	15.25	12.2
scg6	2/21/2013	12:51:15	15.22	21.8
scg6	2/21/2013	12:51:30	12.50	19.0
scg6	2/21/2013	12:51:45	4.61	19.4
scg6	2/21/2013	12:52:00	0.66	19.4
noxspan2	2/21/2013	12:52:00	0.68	19.4
scg1	2/21/2013	12:52:15	0.16	19.4
scg1	2/21/2013	12:52:30	0.11	19.4
scg1	2/21/2013	12:52:45	0.09	19.4
scg1	2/21/2013	12:53:00	0.08	19.4
scg1	2/21/2013	12:53:15	0.07	17.8
scg1	2/21/2013	12:53:30	0.07	2.8
scg1	2/21/2013	12:53:45	0.06	0.8
scg1	2/21/2013	12:54:00	0.06	0.5
scg1	2/21/2013	12:54:15	0.05	0.4
o2zero2	2/21/2013	12:54:15	0.05	0.4
noxzero2	2/21/2013	12:54:15	0.05	0.4
scg2	2/21/2013	12:54:30	0.04	0.4
scg2	2/21/2013	12:54:45	0.04	0.4
scg2	2/21/2013	12:55:00	0.04	0.4
scg2	2/21/2013	12:55:15	0.03	0.4
scg2	2/21/2013	12:55:30	0.04	0.4
scg2	2/21/2013	12:55:45	0.03	0.3
scg2	2/21/2013	12:56:00	1.24	0.3
scg2	2/21/2013	12:56:15	5.91	0.3
scg2	2/21/2013	12:56:30	8.67	0.3
scg2	2/21/2013	12:56:45	9.72	0.3
scg2	2/21/2013	12:57:00	9.61	0.3
scg2	2/21/2013	12:57:15	9.63	0.3
scg2	2/21/2013	12:57:30	9.64	0.2
scg2	2/21/2013	12:57:45	9.85	0.2
o2span2	2/21/2013	12:57:30	9.64	0.2
run2	2/21/2013	13:02:00	15.22	11.4
run2	2/21/2013	13:02:15	15.22	11.4
run2	2/21/2013	13:02:30	15.22	11.6
run2	2/21/2013	13:02:45	15.22	11.6
run2	2/21/2013	13:03:00	15.22	11.6
run2	2/21/2013	13:03:15	15.22	11.7
run2	2/21/2013	13:03:30	15.23	11.7
run2	2/21/2013	13:03:45	15.23	11.7
run2	2/21/2013	13:04:00	15.23	11.7
run2	2/21/2013	13:04:15	15.23	11.7
run2	2/21/2013	13:04:30	15.23	11.7
run2	2/21/2013	13:04:45	15.23	11.7
run2	2/21/2013	13:05:00	15.23	11.8
run2	2/21/2013	13:05:15	15.23	11.6
run2	2/21/2013	13:05:30	15.23	11.8
run2	2/21/2013	13:05:45	15.23	11.7
run2	2/21/2013	13:06:00	15.23	11.6
run2	2/21/2013	13:06:15	15.23	11.8
run2	2/21/2013	13:06:30	15.24	11.8
run2	2/21/2013	13:06:45	15.23	11.6
run2	2/21/2013	13:07:00	15.23	11.8
run2	2/21/2013	13:07:15	15.24	11.9
run2	2/21/2013	13:07:30	15.23	11.9
run2	2/21/2013	13:07:45	15.24	11.9
run2	2/21/2013	13:08:00	15.24	12.0
run2	2/21/2013	13:08:15	15.24	11.9
run2	2/21/2013	13:08:30	15.24	11.9
run2	2/21/2013	13:08:45	15.24	11.9
run2	2/21/2013	13:09:00	15.24	11.9
run2	2/21/2013	13:09:15	15.23	11.9
run2	2/21/2013	13:09:30	15.24	11.9
run2	2/21/2013	13:09:45	15.24	11.9
run2	2/21/2013	13:10:00	15.24	12.0
run2	2/21/2013	13:10:15	15.23	11.9
run2	2/21/2013	13:10:30	15.23	11.9

					21					
11.9	CC365285/cg4	NOx	48.22		0	0	0			
11.9	CC410976/cg6	NOx	19.63		0	0	0			
11.9	CC410976/cg6	NOx	19.63		0	0	0			
11.9	CC410976/cg6	NOx	19.63		0	0	0			
12.2	CC410976/cg6	NOx	19.63		0	0	0			
21.8	CC410976/cg6	NOx	19.63		0	0	0			
19.0	CC410976/cg6	NOx	19.63		0	0	0			
19.4	CC410976/cg6	NOx	19.63		0	0	0			
19.4	CC410976/cg6	NOx	19.63		0	0	0			
19.4	CC410976/cg6	NOx	19.63		0	0	0			
19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0		
19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0		
19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0		
19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0		
17.8	CC96424/cg1	NOx	0	O2	0	CO	0	0		
2.8	CC96424/cg1	NOx	0	O2	0	CO	0	0		
0.8	CC96424/cg1	NOx	0	O2	0	CO	0	0		
0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0		
0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0		
0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0		
0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0		
0.4	CC417218/cg2	O2	9.928	CO2	9.536		0	0		
0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0		
0.4	CC417218/cg2	O2	9.928	CO2	9.536		0	0		
0.4	CC417218/cg2	O2	9.928	CO2	9.536		0	0		
0.4	CC417216/cg2	O2	9.928	CO2	9.536		0	0		
0.3	CC417218/cg2	O2	9.926	CO2	9.538		0	0		
0.3	CC417216/cg2	O2	9.926	CO2	9.536		0	0		
0.3	CC417218/cg2	O2	9.926	CO2	9.538		0	0		
0.3	CC417218/cg2	O2	9.926	CO2	9.538		0	0		
0.3	CC417216/cg2	O2	9.928	CO2	9.538		0	0		
0.3	CC417216/cg2	O2	9.928	CO2	9.538		0	0		
0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0		
0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0		
0.2	CC417218/cg2	O2	9.928	CO2	9.538		0	0		
0.2	CC417216/cg2	O2	9.928	CO2	9.536		0	0		

name			O2 B	NOx B
sn			144001V02/4149	1016942787
offset			0	0
fullscale			25	20
train			2	2
gastype			o2 3a	nox 7e
run2	2/21/2013	13:10:45	15.23	11.9
run2	2/21/2013	13:11:00	15.24	11.9
run2	2/21/2013	13:11:15	15.24	11.9
run2	2/21/2013	13:11:30	15.24	11.9
run2	2/21/2013	13:11:45	15.24	11.9
run2	2/21/2013	13:12:00	15.24	11.9
run2	2/21/2013	13:12:15	15.24	11.9
run2	2/21/2013	13:12:30	15.24	11.9
run2	2/21/2013	13:12:45	15.24	11.9
run2	2/21/2013	13:13:00	15.24	11.9
run2	2/21/2013	13:13:15	15.24	11.9
run2	2/21/2013	13:13:30	15.24	11.9
run2	2/21/2013	13:13:45	15.23	11.9
run2	2/21/2013	13:14:00	15.24	11.8
run2	2/21/2013	13:14:15	15.24	11.8
run2	2/21/2013	13:14:30	15.24	11.8
run2	2/21/2013	13:14:45	15.24	11.9
run2	2/21/2013	13:15:00	15.24	11.8
run2	2/21/2013	13:15:15	15.24	11.9
run2	2/21/2013	13:15:30	15.24	11.9
run2	2/21/2013	13:15:45	15.24	11.9
run2	2/21/2013	13:16:00	15.24	11.9
run2	2/21/2013	13:18:15	15.24	11.9
run2	2/21/2013	13:16:30	15.24	11.9
run2	2/21/2013	13:18:45	15.24	11.9
run2	2/21/2013	13:17:00	15.24	11.9
run2	2/21/2013	13:17:15	15.24	11.9
run2	2/21/2013	13:17:30	15.24	11.8
run2	2/21/2013	13:17:45	15.24	11.9
run2	2/21/2013	13:18:00	15.24	11.9
run2	2/21/2013	13:18:15	15.24	11.9
run2	2/21/2013	13:18:30	15.24	11.9
run2	2/21/2013	13:18:45	15.24	11.9
run2	2/21/2013	13:19:00	15.24	11.9
run2	2/21/2013	13:19:15	15.24	11.9
run2	2/21/2013	13:19:30	15.24	11.9
run2	2/21/2013	13:19:45	15.24	11.9
run2	2/21/2013	13:20:00	15.24	11.9
run2	2/21/2013	13:20:15	15.24	11.9
run2	2/21/2013	13:20:30	15.24	11.9
run2	2/21/2013	13:20:45	15.24	11.9
run2	2/21/2013	13:21:00	15.24	11.9
run2	2/21/2013	13:21:15	15.24	11.9
run2	2/21/2013	13:21:30	15.24	11.9
run2	2/21/2013	13:21:45	15.24	11.9
run2	2/21/2013	13:22:00	15.24	11.9
run2	2/21/2013	13:22:15	15.24	11.9
run2	2/21/2013	13:22:30	15.24	12.0
run2	2/21/2013	13:22:45	15.24	11.9
averun2	2/21/2013	13:02:00	15.24	11.8
scg2	2/21/2013	13:23:00	15.24	11.9
scg2	2/21/2013	13:23:15	15.24	11.9
scg2	2/21/2013	13:23:30	15.24	11.9
scg2	2/21/2013	13:23:45	15.24	12.0
scg2	2/21/2013	13:24:00	15.24	11.3
scg2	2/21/2013	13:24:15	15.17	2.3
scg2	2/21/2013	13:24:30	13.15	0.6
scg2	2/21/2013	13:24:45	10.59	0.5
scg2	2/21/2013	13:25:00	9.98	0.5
scg2	2/21/2013	13:25:15	9.92	0.4
scg2	2/21/2013	13:25:30	9.91	0.4
o2span2	2/21/2013	13:25:30	9.91	0.4
scg1	2/21/2013	13:25:45	9.90	0.4
scg1	2/21/2013	13:26:00	9.90	0.4
scg1	2/21/2013	13:26:15	9.89	0.4
scg1	2/21/2013	13:26:30	9.89	0.3
scg1	2/21/2013	13:26:45	9.89	0.3
scg1	2/21/2013	13:27:00	9.80	0.3
scg1	2/21/2013	13:27:15	6.94	0.3
scg1	2/21/2013	13:27:30	2.48	0.3
scg1	2/21/2013	13:27:45	0.41	0.3
scg1	2/21/2013	13:28:00	0.13	0.3
o2zero2	2/21/2013	13:28:00	0.13	0.3
noxzero2	2/21/2013	13:27:45	0.41	0.3
scg6	2/21/2013	13:28:15	0.09	0.3
scg6	2/21/2013	13:28:30	0.08	0.3
scg6	2/21/2013	13:28:45	0.07	0.3
scg6	2/21/2013	13:29:00	0.07	0.3
scg6	2/21/2013	13:29:15	0.06	0.3
scg6	2/21/2013	13:29:30	0.06	8.9
scg6	2/21/2013	13:29:45	0.08	16.6
scg6	2/21/2013	13:30:00	0.08	19.0
scg6	2/21/2013	13:30:15	0.05	19.1
noxspan2	2/21/2013	13:30:15	0.05	19.1
run3	2/21/2013	13:38:00	15.22	11.8
run3	2/21/2013	13:38:15	15.22	11.9
run3	2/21/2013	13:38:30	15.22	11.8
run3	2/21/2013	13:38:45	15.22	11.8
run3	2/21/2013	13:39:00	15.22	11.8
run3	2/21/2013	13:39:15	15.22	11.8
run3	2/21/2013	13:39:30	15.22	11.8
run3	2/21/2013	13:39:45	15.22	11.9
run3	2/21/2013	13:40:00	15.22	11.9
run3	2/21/2013	13:40:15	15.22	11.9
run3	2/21/2013	13:40:30	15.22	11.9
run3	2/21/2013	13:40:45	15.22	11.9
run3	2/21/2013	13:41:00	15.22	11.9
run3	2/21/2013	13:41:15	15.22	11.9

					21					
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC417218/cg2	O2	9.928	CO2	9.538	0	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC96424/cg1	NOx	0	O2	0	CO	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0
				CC410976/cg6	NOx	19.63		0	0	0

name			O2 B	NOx B						
sn			144001V02/4149	1016942787						
offset			0	0						
fullscale			25	20						
train			2	2						
gastype			o2 3a	nox 7e						
run3	2/21/2013	13:41:30	15.23	11.9						
run3	2/21/2013	13:41:45	15.23	11.9						
run3	2/21/2013	13:42:00	15.22	11.9						
run3	2/21/2013	13:42:15	15.22	11.9						
run3	2/21/2013	13:42:30	15.22	11.9						
run3	2/21/2013	13:42:45	15.23	12.0						
run3	2/21/2013	13:43:00	15.23	11.9						
run3	2/21/2013	13:43:15	15.23	12.0						
run3	2/21/2013	13:43:30	15.23	12.0						
run3	2/21/2013	13:43:45	15.23	12.0						
run3	2/21/2013	13:44:00	15.23	11.9						
run3	2/21/2013	13:44:15	15.22	12.0						
run3	2/21/2013	13:44:30	15.23	12.0						
run3	2/21/2013	13:44:45	15.23	12.0						
run3	2/21/2013	13:45:00	15.23	12.0						
run3	2/21/2013	13:45:15	15.23	12.0						
run3	2/21/2013	13:45:30	15.23	12.0						
run3	2/21/2013	13:45:45	15.23	12.0						
run3	2/21/2013	13:46:00	15.23	11.9						
run3	2/21/2013	13:46:15	15.23	11.9						
run3	2/21/2013	13:46:30	15.23	11.9						
run3	2/21/2013	13:46:45	15.23	11.9						
run3	2/21/2013	13:47:00	15.23	11.9						
run3	2/21/2013	13:47:15	15.23	11.9						
run3	2/21/2013	13:47:30	15.23	11.9						
run3	2/21/2013	13:47:45	15.23	11.9						
run3	2/21/2013	13:48:00	15.23	11.9						
run3	2/21/2013	13:48:15	15.23	11.9						
run3	2/21/2013	13:48:30	15.23	11.9						
run3	2/21/2013	13:48:45	15.23	12.0						
run3	2/21/2013	13:49:00	15.22	11.9						
run3	2/21/2013	13:49:15	15.23	11.9						
run3	2/21/2013	13:49:30	15.23	11.9						
run3	2/21/2013	13:49:45	15.23	11.9						
run3	2/21/2013	13:50:00	15.23	11.9						
run3	2/21/2013	13:50:15	15.23	11.9						
run3	2/21/2013	13:50:30	15.23	12.0						
run3	2/21/2013	13:50:45	15.23	12.0						
run3	2/21/2013	13:51:00	15.23	12.0						
run3	2/21/2013	13:51:15	15.23	12.0						
run3	2/21/2013	13:51:30	15.23	12.0						
run3	2/21/2013	13:51:45	15.23	12.0						
run3	2/21/2013	13:52:00	15.23	12.0						
run3	2/21/2013	13:52:15	15.23	12.0						
run3	2/21/2013	13:52:30	15.23	12.0						
run3	2/21/2013	13:52:45	15.23	12.0						
run3	2/21/2013	13:53:00	15.23	12.0						
run3	2/21/2013	13:53:15	15.23	12.0						
run3	2/21/2013	13:53:30	15.23	12.0						
run3	2/21/2013	13:53:45	15.23	11.9						
run3	2/21/2013	13:54:00	15.23	12.0						
run3	2/21/2013	13:54:15	15.23	11.9						
run3	2/21/2013	13:54:30	15.23	11.9						
run3	2/21/2013	13:54:45	15.23	11.9						
run3	2/21/2013	13:55:00	15.23	11.9						
run3	2/21/2013	13:55:15	15.23	11.9						
run3	2/21/2013	13:55:30	15.23	11.9						
run3	2/21/2013	13:55:45	15.23	11.8						
run3	2/21/2013	13:56:00	15.23	11.8						
run3	2/21/2013	13:56:15	15.23	11.8						
run3	2/21/2013	13:56:30	15.23	11.8						
run3	2/21/2013	13:56:45	15.23	11.7						
run3	2/21/2013	13:57:00	15.22	11.7						
run3	2/21/2013	13:57:15	15.23	11.8						
run3	2/21/2013	13:57:30	15.23	11.8						
run3	2/21/2013	13:57:45	15.23	11.8						
run3	2/21/2013	13:58:00	15.23	11.8						
run3	2/21/2013	13:58:15	15.23	11.8						
run3	2/21/2013	13:58:30	15.23	11.8						
run3	2/21/2013	13:58:45	15.23	11.9						
averun3	2/21/2013	13:38:00	15.23	11.9	21					
scg6	2/21/2013	13:59:00	15.23	11.9	CC410976/cg6	NOx	19.83	0	0	0
scg6	2/21/2013	13:59:15	15.23	11.9	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	13:59:30	15.23	11.9	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	13:59:45	15.23	11.9	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	14:00:00	15.23	12.2	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	14:00:15	15.02	16.4	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	14:00:30	9.84	19.0	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	14:00:45	2.53	19.4	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	14:01:00	0.33	19.4	CC410976/cg6	NOx	19.63	0	0	0
noxspan2	2/21/2013	14:01:00	0.33	19.4	CC410976/cg6	NOx	19.63	0	0	0
scg1	2/21/2013	14:01:15	0.12	19.4	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:01:30	0.10	19.4	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:01:45	0.09	19.4	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:02:00	0.08	19.4	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:02:15	0.06	19.3	CC98424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:02:30	0.06	11.1	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:02:45	0.05	0.9	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:03:00	0.05	0.5	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg1	2/21/2013	14:03:15	0.05	0.5	CC96424/cg1	NOx	0	O2	0	CO 0 0
o2zero2	2/21/2013	14:03:15	0.05	0.5	CC96424/cg1	NOx	0	O2	0	CO 0 0
noxzero2	2/21/2013	14:03:15	0.05	0.5	CC96424/cg1	NOx	0	O2	0	CO 0 0
scg2	2/21/2013	14:03:30	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0 0
scg2	2/21/2013	14:03:45	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0 0
scg2	2/21/2013	14:04:00	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0 0
scg2	2/21/2013	14:04:15	0.03	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0 0
scg2	2/21/2013	14:04:30	0.02	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0 0
scg2	2/21/2013	14:04:45	0.13	0.3	CC417218/cg2	O2	9.928	CO2	9.538	0 0

name			O2 B	NOx B							
sn			144001V02/4149	1016942787							
offset			0	0							
fullscale			25	20							
train			2	2							
gastype			o2 3a	nox 7e							
scg2	2/21/2013	14:05:00	3.40	0.3	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:05:15	7.83	0.3	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:05:30	9.46	0.3	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:05:45	9.78	0.3	CC417218/cg2	O2	9.928	CO2	9.538	0	0
o2span2	2/21/2013	14:05:45	9.78	0.3	CC417218/cg2	O2	9.928	CO2	9.538	0	0
run4	2/21/2013	14:09:00	15.18	11.1							
run4	2/21/2013	14:09:15	15.19	11.2							
run4	2/21/2013	14:09:30	15.19	11.3							
run4	2/21/2013	14:09:45	15.19	11.3							
run4	2/21/2013	14:10:00	15.18	11.3							
run4	2/21/2013	14:10:15	15.19	11.3							
run4	2/21/2013	14:10:30	15.20	11.3							
run4	2/21/2013	14:10:45	15.20	11.4							
run4	2/21/2013	14:11:00	15.20	11.3							
run4	2/21/2013	14:11:15	15.20	11.4							
run4	2/21/2013	14:11:30	15.20	11.4							
run4	2/21/2013	14:11:45	15.20	11.4							
run4	2/21/2013	14:12:00	15.20	11.4							
run4	2/21/2013	14:12:15	15.20	11.3							
run4	2/21/2013	14:12:30	15.20	11.3							
run4	2/21/2013	14:12:45	15.21	11.3							
run4	2/21/2013	14:13:00	15.21	11.3							
run4	2/21/2013	14:13:15	15.21	11.4							
run4	2/21/2013	14:13:30	15.21	11.4							
run4	2/21/2013	14:13:45	15.20	11.4							
run4	2/21/2013	14:14:00	15.21	11.4							
run4	2/21/2013	14:14:15	15.21	11.4							
run4	2/21/2013	14:14:30	15.21	11.4							
run4	2/21/2013	14:14:45	15.21	11.5							
run4	2/21/2013	14:15:00	15.21	11.5							
run4	2/21/2013	14:15:15	15.20	11.5							
run4	2/21/2013	14:15:30	15.21	11.5							
run4	2/21/2013	14:15:45	15.21	11.5							
run4	2/21/2013	14:16:00	15.22	11.6							
run4	2/21/2013	14:16:15	15.21	11.6							
run4	2/21/2013	14:16:30	15.22	11.5							
run4	2/21/2013	14:16:45	15.22	11.6							
run4	2/21/2013	14:17:00	15.22	11.6							
run4	2/21/2013	14:17:15	15.22	11.6							
run4	2/21/2013	14:17:30	15.22	11.6							
run4	2/21/2013	14:17:45	15.22	11.6							
run4	2/21/2013	14:18:00	15.22	11.6							
run4	2/21/2013	14:18:15	15.22	11.6							
run4	2/21/2013	14:18:30	15.21	11.6							
run4	2/21/2013	14:18:45	15.22	11.6							
run4	2/21/2013	14:19:00	15.22	11.6							
run4	2/21/2013	14:19:15	15.22	11.6							
run4	2/21/2013	14:19:30	15.22	11.6							
run4	2/21/2013	14:19:45	15.22	11.7							
run4	2/21/2013	14:20:00	15.22	11.7							
run4	2/21/2013	14:20:15	15.22	11.7							
run4	2/21/2013	14:20:30	15.22	11.7							
run4	2/21/2013	14:20:45	15.21	11.7							
run4	2/21/2013	14:21:00	15.22	11.8							
run4	2/21/2013	14:21:15	15.22	11.8							
run4	2/21/2013	14:21:30	15.22	11.6							
run4	2/21/2013	14:21:45	15.22	11.6							
run4	2/21/2013	14:22:00	15.22	11.6							
run4	2/21/2013	14:22:15	15.22	11.8							
run4	2/21/2013	14:22:30	15.22	11.7							
run4	2/21/2013	14:22:45	15.23	11.8							
run4	2/21/2013	14:23:00	15.23	11.8							
run4	2/21/2013	14:23:15	15.22	11.8							
run4	2/21/2013	14:23:30	15.22	11.8							
run4	2/21/2013	14:23:45	15.23	11.7							
run4	2/21/2013	14:24:00	15.23	11.7							
run4	2/21/2013	14:24:15	15.23	11.6							
run4	2/21/2013	14:24:30	15.22	11.7							
run4	2/21/2013	14:24:45	15.23	11.6							
run4	2/21/2013	14:25:00	15.23	11.8							
run4	2/21/2013	14:25:15	15.23	11.8							
run4	2/21/2013	14:25:30	15.23	11.7							
run4	2/21/2013	14:25:45	15.23	11.7							
run4	2/21/2013	14:26:00	15.23	11.7							
run4	2/21/2013	14:26:15	15.22	11.7							
run4	2/21/2013	14:26:30	15.23	11.7							
run4	2/21/2013	14:26:45	15.23	11.7							
run4	2/21/2013	14:27:00	15.23	11.7							
run4	2/21/2013	14:27:15	15.23	11.7							
run4	2/21/2013	14:27:30	15.23	11.7							
run4	2/21/2013	14:27:45	15.23	11.7							
run4	2/21/2013	14:28:00	15.23	11.7							
run4	2/21/2013	14:28:15	15.23	11.7							
run4	2/21/2013	14:28:30	15.22	11.6							
run4	2/21/2013	14:28:45	15.23	11.6							
run4	2/21/2013	14:29:00	15.23	11.6							
run4	2/21/2013	14:29:15	15.23	11.8							
run4	2/21/2013	14:29:30	15.23	11.8							
run4	2/21/2013	14:29:45	15.23	11.8							
averun4	2/21/2013	14:09:00	15.22	11.6		21					
scg2	2/21/2013	14:30:00	15.22	11.8	CC417218/cg2	O2	9.928	CO2	9.536	0	0
scg2	2/21/2013	14:30:15	15.22	11.8	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:30:30	15.22	11.9	CC417218/cg2	O2	9.928	CO2	9.536	0	0
scg2	2/21/2013	14:30:45	15.22	11.9	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:31:00	15.22	8.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:31:15	14.80	1.0	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:31:30	12.05	0.6	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	14:31:45	10.23	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0

name			O2 B	NOx B								
sn			144001V02/4149	1016942787								
offset			0	0								
fullscale			25	20								
train			2	2								
gastype			o2 3a	nox 7e								
scg2	2/21/2013	14:32:00	9.93	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
o2span2	2/21/2013	14:32:00	9.93	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg1	2/21/2013	14:32:15	9.89	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:32:30	9.88	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:32:45	9.89	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:00	9.88	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:15	9.88	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:30	9.68	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:33:45	8.23	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:34:00	1.91	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:34:15	0.31	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	14:34:30	0.12	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero2	2/21/2013	14:34:30	0.12	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero2	2/21/2013	14:34:30	0.12	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg6	2/21/2013	14:34:45	0.09	0.4	CC410976/cg6	NOx	19.83		0		0	0
scg6	2/21/2013	14:35:00	0.08	0.4	CC410976/cg6	NOx	19.83		0		0	0
scg6	2/21/2013	14:35:15	0.07	0.4	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:35:30	0.08	0.4	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:35:45	0.08	0.4	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:38:00	0.05	9.7	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:36:15	0.06	18.8	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:36:30	0.06	19.1	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:36:45	0.05	19.2	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	14:37:00	0.04	19.2	CC410976/cg6	NOx	19.63		0		0	0
noxspan2	2/21/2013	14:36:45	0.05	19.2	CC410976/cg6	NOx	19.63		0		0	0
run5	2/21/2013	14:41:00	15.18	11.5								
run5	2/21/2013	14:41:15	15.18	11.5								
run5	2/21/2013	14:41:30	15.18	11.6								
run5	2/21/2013	14:41:45	15.19	11.6								
run5	2/21/2013	14:42:00	15.19	11.6								
run5	2/21/2013	14:42:15	15.19	11.7								
run5	2/21/2013	14:42:30	15.19	11.7								
run5	2/21/2013	14:42:45	15.20	11.7								
run5	2/21/2013	14:43:00	15.20	11.7								
run5	2/21/2013	14:43:15	15.20	11.7								
run5	2/21/2013	14:43:30	15.20	11.8								
run5	2/21/2013	14:43:45	15.20	11.8								
run5	2/21/2013	14:44:00	15.20	11.8								
run5	2/21/2013	14:44:15	15.21	11.8								
run5	2/21/2013	14:44:30	15.21	11.8								
run5	2/21/2013	14:44:45	15.21	11.6								
run5	2/21/2013	14:45:00	15.21	11.9								
run5	2/21/2013	14:45:15	15.21	11.9								
run5	2/21/2013	14:45:30	15.21	11.9								
run5	2/21/2013	14:45:45	15.20	11.9								
run5	2/21/2013	14:46:00	15.21	11.9								
run5	2/21/2013	14:46:15	15.21	11.9								
run5	2/21/2013	14:46:30	15.21	11.9								
run5	2/21/2013	14:46:45	15.21	11.9								
run5	2/21/2013	14:47:00	15.21	12.0								
run5	2/21/2013	14:47:15	15.21	12.0								
run5	2/21/2013	14:47:30	15.20	12.0								
run5	2/21/2013	14:47:45	15.20	11.9								
run5	2/21/2013	14:48:00	15.21	11.9								
run5	2/21/2013	14:48:15	15.21	12.0								
run5	2/21/2013	14:48:30	15.20	12.0								
run5	2/21/2013	14:48:45	15.21	12.0								
run5	2/21/2013	14:49:00	15.21	12.0								
run5	2/21/2013	14:49:15	15.21	12.0								
run5	2/21/2013	14:49:30	15.22	12.0								
run5	2/21/2013	14:49:45	15.22	12.0								
run5	2/21/2013	14:50:00	15.22	12.0								
run5	2/21/2013	14:50:15	15.22	12.0								
run5	2/21/2013	14:50:30	15.22	12.0								
run5	2/21/2013	14:50:45	15.22	12.0								
run5	2/21/2013	14:51:00	15.22	12.0								
run5	2/21/2013	14:51:15	15.22	12.0								
run5	2/21/2013	14:51:30	15.22	12.0								
run5	2/21/2013	14:51:45	15.22	12.0								
run5	2/21/2013	14:52:00	15.22	12.1								
run5	2/21/2013	14:52:15	15.22	12.1								
run5	2/21/2013	14:52:30	15.22	12.1								
run5	2/21/2013	14:52:45	15.22	12.1								
run5	2/21/2013	14:53:00	15.22	12.0								
run5	2/21/2013	14:53:15	15.22	12.0								
run5	2/21/2013	14:53:30	15.22	12.1								
run5	2/21/2013	14:53:45	15.23	12.1								
run5	2/21/2013	14:54:00	15.22	12.0								
run5	2/21/2013	14:54:15	15.23	12.1								
run5	2/21/2013	14:54:30	15.22	12.0								
run5	2/21/2013	14:54:45	15.22	12.1								
run5	2/21/2013	14:55:00	15.22	12.1								
run5	2/21/2013	14:55:15	15.22	12.1								
run5	2/21/2013	14:55:30	15.22	12.0								
run5	2/21/2013	14:55:45	15.23	12.1								
run5	2/21/2013	14:56:00	15.22	12.1								
run5	2/21/2013	14:56:15	15.22	12.1								
run5	2/21/2013	14:56:30	15.22	12.1								
run5	2/21/2013	14:56:45	15.22	12.1								
run5	2/21/2013	14:57:00	15.21	12.0								
run5	2/21/2013	14:57:15	15.22	12.0								
run5	2/21/2013	14:57:30	15.22	12.0								
run5	2/21/2013	14:57:45	15.22	12.0								
run5	2/21/2013	14:56:00	15.22	12.0								
run5	2/21/2013	14:56:15	15.22	12.0								
run5	2/21/2013	14:58:30	15.23	12.0								
run5	2/21/2013	14:58:45	15.22	11.9								
run5	2/21/2013	14:59:00	15.22	11.9								

name			O2 B	NOx B							
sn			144001V02/4149	1016942767							
offset			0	0							
fullscale			25	20							
train			2	2							
gastype			o2 3a	nox 7e							
run5	2/21/2013	14:59:15	15.22	11.9							
run5	2/21/2013	14:59:30	15.22	11.9							
run5	2/21/2013	14:59:45	15.23	11.9							
run5	2/21/2013	15:00:00	15.23	11.9							
run5	2/21/2013	15:00:15	15.22	11.9							
run5	2/21/2013	15:00:30	15.23	11.9							
run5	2/21/2013	15:00:45	15.23	12.0							
run5	2/21/2013	15:01:00	15.22	12.0							
run5	2/21/2013	15:01:15	15.22	12.0							
run5	2/21/2013	15:01:30	15.23	11.9							
run5	2/21/2013	15:01:45	15.23	11.9							
averun5	2/21/2013	14:41:00	15.21	11.9		21					
scg8	2/21/2013	15:02:00	15.22	12.0	CC410976/cg6	NOx	19.63	0	0	0	
scg8	2/21/2013	15:02:15	15.22	12.0	CC410976/cg6	NOx	19.63	0	0	0	
scg6	2/21/2013	15:02:30	15.22	12.0	CC410976/cg6	NOx	19.63	0	0	0	
scg6	2/21/2013	15:02:45	15.22	11.9	CC410976/cg6	NOx	19.63	0	0	0	
scg6	2/21/2013	15:03:00	15.23	12.5	CC410976/cg6	NOx	19.63	0	0	0	
scg6	2/21/2013	15:03:15	14.61	17.0	CC410976/cg6	NOx	19.63	0	0	0	
scg6	2/21/2013	15:03:30	6.60	19.2	CC410976/cg6	NOx	19.63	0	0	0	
scg6	2/21/2013	15:03:45	2.00	19.4	CC410976/cg6	NOx	19.63	0	0	0	
scg6	2/21/2013	15:04:00	0.30	19.4	CC410976/cg6	NOx	19.63	0	0	0	
noxspan2	2/21/2013	15:04:00	0.30	19.4	CC410976/cg6	NOx	19.63	0	0	0	
scg1	2/21/2013	15:04:15	0.13	19.4	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:04:30	0.10	19.3	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:04:45	0.09	19.3	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:05:00	0.08	19.3	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:05:15	0.07	19.0	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:05:30	0.07	5.0	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:05:45	0.08	0.6	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:06:00	0.06	0.5	CC96424/cg1	NOx	0	O2	0	CO	0
scg1	2/21/2013	15:06:15	0.05	0.4	CC96424/cg1	NOx	0	O2	0	CO	0
o2zero2	2/21/2013	15:06:15	0.05	0.4	CC96424/cg1	NOx	0	O2	0	CO	0
noxzero2	2/21/2013	15:06:15	0.05	0.4	CC96424/cg1	NOx	0	O2	0	CO	0
scg2	2/21/2013	15:06:30	0.04	0.4	CC417216/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:06:45	0.04	0.4	CC417216/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:07:00	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:07:15	0.04	0.3	CC417216/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:07:30	0.04	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:07:45	0.15	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:08:00	3.55	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:08:15	7.66	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:08:30	9.45	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:08:45	9.79	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:09:00	9.62	0.2	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:09:15	9.82	0.2	CC417218/cg2	O2	9.928	CO2	9.538		0
scg2	2/21/2013	15:09:30	9.83	0.2	CC417218/cg2	O2	9.928	CO2	9.538		0
o2span2	2/21/2013	15:09:15	9.82	0.2	CC417218/cg2	O2	9.928	CO2	9.538		0
run6	2/21/2013	15:13:00	15.19	11.2							
run6	2/21/2013	15:13:15	15.20	11.3							
run6	2/21/2013	15:13:30	15.20	11.4							
run6	2/21/2013	15:13:45	15.20	11.4							
run6	2/21/2013	15:14:00	15.21	11.4							
run6	2/21/2013	15:14:15	15.21	11.5							
run6	2/21/2013	15:14:30	15.21	11.5							
run6	2/21/2013	15:14:45	15.21	11.6							
run6	2/21/2013	15:15:00	15.21	11.6							
run6	2/21/2013	15:15:15	15.21	11.6							
run6	2/21/2013	15:15:30	15.21	11.6							
run6	2/21/2013	15:15:45	15.21	11.7							
run6	2/21/2013	15:16:00	15.21	11.7							
run6	2/21/2013	15:16:15	15.21	11.7							
run6	2/21/2013	15:16:30	15.21	11.7							
run6	2/21/2013	15:16:45	15.21	11.7							
run6	2/21/2013	15:17:00	15.22	11.8							
run6	2/21/2013	15:17:15	15.22	11.7							
run6	2/21/2013	15:17:30	15.22	11.6							
run6	2/21/2013	15:17:45	15.22	11.8							
run6	2/21/2013	15:18:00	15.22	11.8							
run6	2/21/2013	15:18:15	15.22	11.9							
run6	2/21/2013	15:18:30	15.22	11.9							
run6	2/21/2013	15:18:45	15.21	11.9							
run6	2/21/2013	15:19:00	15.21	11.9							
run6	2/21/2013	15:19:15	15.22	11.9							
run6	2/21/2013	15:19:30	15.22	11.8							
run6	2/21/2013	15:19:45	15.22	11.9							
run6	2/21/2013	15:20:00	15.22	11.9							
run6	2/21/2013	15:20:15	15.22	11.9							
run6	2/21/2013	15:20:30	15.22	11.9							
run6	2/21/2013	15:20:45	15.22	11.9							
run6	2/21/2013	15:21:00	15.22	11.9							
run6	2/21/2013	15:21:15	15.23	11.9							
run6	2/21/2013	15:21:30	15.22	11.9							
run6	2/21/2013	15:21:45	15.23	11.9							
run6	2/21/2013	15:22:00	15.22	11.9							
run6	2/21/2013	15:22:15	15.23	11.9							
run6	2/21/2013	15:22:30	15.23	11.9							
run6	2/21/2013	15:22:45	15.23	11.9							
run6	2/21/2013	15:23:00	15.23	11.6							
run6	2/21/2013	15:23:15	15.23	11.9							
run6	2/21/2013	15:23:30	15.23	11.6							
run6	2/21/2013	15:23:45	15.23	11.9							
run6	2/21/2013	15:24:00	15.22	11.9							
run6	2/21/2013	15:24:15	15.22	11.9							
run6	2/21/2013	15:24:30	15.23	11.9							
run6	2/21/2013	15:24:45	15.23	11.9							
run6	2/21/2013	15:25:00	15.23	11.9							
run6	2/21/2013	15:25:15	15.23	11.9							
run6	2/21/2013	15:25:30	15.22	11.9							

name			O2 B	NOx B								
sn			144001V02/4149	1016942787								
offset			0	0								
fullscale			25	20								
train			2	2								
gastype			o2 3a	nox 7e								
run6	2/21/2013	15:25:45	15.23	11.9								
run8	2/21/2013	15:26:00	15.23	11.9								
run6	2/21/2013	15:26:15	15.23	11.9								
run6	2/21/2013	15:26:30	15.23	11.9								
run6	2/21/2013	15:26:45	15.23	11.9								
run6	2/21/2013	15:27:00	15.23	11.9								
run6	2/21/2013	15:27:15	15.23	12.0								
run6	2/21/2013	15:27:30	15.23	12.0								
run6	2/21/2013	15:27:45	15.23	11.9								
run6	2/21/2013	15:28:00	15.23	12.0								
run6	2/21/2013	15:28:15	15.23	12.0								
run6	2/21/2013	15:28:30	15.23	12.0								
run6	2/21/2013	15:28:45	15.23	12.0								
run6	2/21/2013	15:29:00	15.23	12.0								
run6	2/21/2013	15:29:15	15.23	12.0								
run6	2/21/2013	15:29:30	15.23	12.0								
run6	2/21/2013	15:29:45	15.23	12.0								
run6	2/21/2013	15:30:00	15.23	12.0								
run6	2/21/2013	15:30:15	15.23	12.0								
run6	2/21/2013	15:30:30	15.23	12.0								
run6	2/21/2013	15:30:45	15.23	12.0								
run6	2/21/2013	15:31:00	15.23	12.0								
run6	2/21/2013	15:31:15	15.23	11.9								
run8	2/21/2013	15:31:30	15.23	11.8								
run6	2/21/2013	15:31:45	15.23	11.9								
run6	2/21/2013	15:32:00	15.23	11.9								
run6	2/21/2013	15:32:15	15.22	11.8								
run8	2/21/2013	15:32:30	15.23	11.7								
run6	2/21/2013	15:32:45	15.23	11.8								
run6	2/21/2013	15:33:00	15.22	11.8								
run8	2/21/2013	15:33:15	15.23	11.8								
run8	2/21/2013	15:33:30	15.23	11.9								
run8	2/21/2013	15:33:45	15.23	11.9								
averun6	2/21/2013	15:13:00	15.22	11.8	21							
scg2	2/21/2013	15:34:00	15.23	11.8	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:34:15	15.23	11.8	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:34:30	15.23	11.8	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:34:45	15.23	11.8	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:35:00	15.23	10.6	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:35:15	15.06	1.7	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:35:30	12.76	0.6	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:35:45	10.48	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:36:00	9.95	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg2	2/21/2013	15:36:15	9.91	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
o2span2	2/21/2013	15:36:15	9.91	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0	0	
scg1	2/21/2013	15:36:30	9.90	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:36:45	9.89	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:00	9.89	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:15	9.88	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:30	9.88	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:37:45	9.88	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:00	9.03	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:15	4.47	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:30	1.09	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:38:45	0.20	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:39:00	0.11	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	15:39:15	0.08	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero2	2/21/2013	15:39:15	0.08	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero2	2/21/2013	15:39:15	0.08	0.3	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg8	2/21/2013	15:39:30	0.08	0.3	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	15:39:45	0.07	0.3	CC410976/cg6	NOx	19.63		0		0	0
scg6	2/21/2013	15:40:00	0.07	0.3	CC410976/cg8	NOx	19.63		0		0	0
scg6	2/21/2013	15:40:15	0.06	0.3	CC410976/cg8	NOx	19.63		0		0	0
scg8	2/21/2013	15:40:30	0.06	0.3	CC410976/cg8	NOx	19.63		0		0	0
scg6	2/21/2013	15:40:45	0.05	7.5	CC410976/cg6	NOx	19.63		0		0	0
scg8	2/21/2013	15:41:00	0.05	18.6	CC410976/cg8	NOx	19.63		0		0	0
scg8	2/21/2013	15:41:15	0.05	19.1	CC410976/cg8	NOx	19.63		0		0	0
scg8	2/21/2013	15:41:30	0.04	19.1	CC410976/cg8	NOx	19.63		0		0	0
noxspan2	2/21/2013	15:41:30	0.04	19.1	CC410976/cg6	NOx	19.63		0		0	0
run7	2/21/2013	15:45:00	15.18	11.4								
run7	2/21/2013	15:45:15	15.17	11.3								
run7	2/21/2013	15:45:30	15.17	11.4								
run7	2/21/2013	15:45:45	15.17	11.4								
run7	2/21/2013	15:46:00	15.18	11.5								
run7	2/21/2013	15:46:15	15.18	11.5								
run7	2/21/2013	15:46:30	15.18	11.5								
run7	2/21/2013	15:46:45	15.18	11.5								
run7	2/21/2013	15:47:00	15.18	11.5								
run7	2/21/2013	15:47:15	15.18	11.5								
run7	2/21/2013	15:47:30	15.18	11.5								
run7	2/21/2013	15:47:45	15.19	11.5								
run7	2/21/2013	15:48:00	15.18	11.5								
run7	2/21/2013	15:48:15	15.19	11.5								
run7	2/21/2013	15:48:30	15.20	11.4								
run7	2/21/2013	15:48:45	15.19	11.5								
run7	2/21/2013	15:49:00	15.20	11.5								
run7	2/21/2013	15:49:15	15.20	11.5								
run7	2/21/2013	15:49:30	15.20	11.6								
run7	2/21/2013	15:49:45	15.20	11.8								
run7	2/21/2013	15:50:00	15.20	11.5								
run7	2/21/2013	15:50:15	15.19	11.5								
run7	2/21/2013	15:50:30	15.21	11.5								
run7	2/21/2013	15:50:45	15.21	11.8								
run7	2/21/2013	15:51:00	15.19	11.5								
run7	2/21/2013	15:51:15	15.21	11.8								
run7	2/21/2013	15:51:30	15.21	11.8								
run7	2/21/2013	15:51:45	15.21	11.7								
run7	2/21/2013	15:52:00	15.21	11.8								

name			O2 B	NOx B								
sn			144001V02/4149	1016942767								
offset			0	0								
fullscale			25	20								
train			2	2								
gastype			o2 3a	nox 7e								
run7	2/21/2013	15:52:15	15.21	11.7								
run7	2/21/2013	15:52:30	15.21	11.7								
run7	2/21/2013	15:52:45	15.20	11.7								
run7	2/21/2013	15:53:00	15.21	11.7								
run7	2/21/2013	15:53:15	15.21	11.7								
run7	2/21/2013	15:53:30	15.21	11.7								
run7	2/21/2013	15:53:45	15.21	11.7								
run7	2/21/2013	15:54:00	15.21	11.7								
run7	2/21/2013	15:54:15	15.21	11.7								
run7	2/21/2013	15:54:30	15.21	11.7								
run7	2/21/2013	15:54:45	15.21	11.7								
run7	2/21/2013	15:55:00	15.21	11.7								
run7	2/21/2013	15:55:15	15.21	11.7								
run7	2/21/2013	15:55:30	15.21	11.7								
run7	2/21/2013	15:55:45	15.20	11.7								
run7	2/21/2013	15:56:00	15.21	11.7								
run7	2/21/2013	15:56:15	15.21	11.7								
run7	2/21/2013	15:56:30	15.21	11.7								
run7	2/21/2013	15:56:45	15.21	11.7								
run7	2/21/2013	15:57:00	15.21	11.8								
run7	2/21/2013	15:57:15	15.21	11.8								
run7	2/21/2013	15:57:30	15.21	11.8								
run7	2/21/2013	15:57:45	15.20	11.8								
run7	2/21/2013	15:58:00	15.21	11.8								
run7	2/21/2013	15:58:15	15.20	11.8								
run7	2/21/2013	15:58:30	15.21	11.8								
run7	2/21/2013	15:58:45	15.21	11.8								
run7	2/21/2013	15:59:00	15.21	11.8								
run7	2/21/2013	15:59:15	15.20	11.8								
run7	2/21/2013	15:59:30	15.21	11.8								
run7	2/21/2013	15:59:45	15.21	11.8								
run7	2/21/2013	16:00:00	15.21	11.8								
run7	2/21/2013	16:00:15	15.21	11.9								
run7	2/21/2013	16:00:30	15.21	11.9								
run7	2/21/2013	16:00:45	15.21	11.8								
run7	2/21/2013	16:01:00	15.21	11.8								
run7	2/21/2013	16:01:15	15.21	11.9								
run7	2/21/2013	16:01:30	15.21	11.9								
run7	2/21/2013	16:01:45	15.21	11.9								
run7	2/21/2013	16:02:00	15.21	11.8								
run7	2/21/2013	16:02:15	15.21	11.8								
run7	2/21/2013	16:02:30	15.22	11.9								
run7	2/21/2013	16:02:45	15.22	11.9								
run7	2/21/2013	16:03:00	15.21	11.9								
run7	2/21/2013	16:03:15	15.22	11.9								
run7	2/21/2013	16:03:30	15.22	11.9								
run7	2/21/2013	16:03:45	15.22	11.9								
run7	2/21/2013	16:04:00	15.22	11.9								
run7	2/21/2013	16:04:15	15.22	11.9								
run7	2/21/2013	16:04:30	15.22	11.9								
run7	2/21/2013	16:04:45	15.22	11.9								
run7	2/21/2013	16:05:00	15.22	12.0								
run7	2/21/2013	16:05:15	15.22	12.0								
run7	2/21/2013	16:05:30	15.21	12.0								
run7	2/21/2013	16:05:45	15.22	12.0								
averun7	2/21/2013	15:45:00	15.20	11.7	21							
scg6	2/21/2013	16:06:00	15.20	12.0	CC410978/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	16:06:15	15.21	12.0	CC410978/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	16:06:30	15.22	12.0	CC410978/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	16:06:45	15.22	12.0	CC410978/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	16:07:00	15.22	12.7	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	16:07:15	14.68	17.3	CC410976/cg8	NOx	19.63	0	0	0		
scg6	2/21/2013	16:07:30	8.26	19.2	CC410976/cg6	NOx	19.63	0	0	0		
scg6	2/21/2013	16:07:45	1.92	19.4	CC410976/cg6	NOx	19.63	0	0	0		
noxspan2	2/21/2013	16:07:45	1.92	19.4	CC410978/cg6	NOx	19.63	0	0	0		
scg1	2/21/2013	16:08:00	0.29	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:08:15	0.12	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:08:30	0.10	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:08:45	0.09	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:09:00	0.07	16.9	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:09:15	0.07	5.0	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:09:30	0.06	0.7	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:09:45	0.06	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:10:00	0.04	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero2	2/21/2013	16:10:00	0.04	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero2	2/21/2013	16:10:00	0.04	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg2	2/21/2013	16:10:30	0.05	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:10:45	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:11:00	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:11:15	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:11:30	0.04	0.3	CC417218/cg2	O2	9.928	CO2	9.536		0	0
scg2	2/21/2013	16:11:45	0.99	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:12:00	5.58	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:12:15	6.71	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:12:30	9.68	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0
scg2	2/21/2013	16:12:45	9.79	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0
o2span2	2/21/2013	16:12:45	9.79	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0
run8	2/21/2013	16:17:00	15.18	11.4								
run8	2/21/2013	16:17:15	15.18	11.4								
run8	2/21/2013	16:17:30	15.19	11.4								
run8	2/21/2013	16:17:45	15.19	11.5								
run8	2/21/2013	16:18:00	15.19	11.6								
run8	2/21/2013	16:18:15	15.19	11.6								
run8	2/21/2013	16:18:30	15.19	11.6								
run8	2/21/2013	16:18:45	15.20	11.6								
run8	2/21/2013	16:19:00	15.19	11.7								
run8	2/21/2013	16:19:15	15.20	11.7								
run8	2/21/2013	16:19:30	15.20	11.7								

name			O2 B	NOx B							
sn			144001V02/4149	1016942787							
offset			0	0							
fullscale			25	20							
train			2	2							
gastype			o2 3a	nox 7e							
run8	2/21/2013	16:19:45	15.20	11.8							
run8	2/21/2013	16:20:00	15.20	11.8							
run8	2/21/2013	16:20:15	15.19	11.8							
run8	2/21/2013	16:20:30	15.20	11.8							
run8	2/21/2013	16:20:45	15.20	11.9							
run8	2/21/2013	16:21:00	15.20	11.9							
run8	2/21/2013	16:21:15	15.20	11.9							
run8	2/21/2013	16:21:30	15.19	11.9							
run8	2/21/2013	16:21:45	15.20	12.0							
run8	2/21/2013	16:22:00	15.20	12.0							
run8	2/21/2013	16:22:15	15.20	12.0							
run8	2/21/2013	16:22:30	15.20	12.0							
run8	2/21/2013	16:22:45	15.20	12.0							
run8	2/21/2013	16:23:00	15.20	12.0							
run8	2/21/2013	16:23:15	15.20	12.0							
run8	2/21/2013	16:23:30	15.20	12.0							
run8	2/21/2013	16:23:45	15.20	12.0							
run8	2/21/2013	16:24:00	15.20	12.0							
run8	2/21/2013	16:24:15	15.20	12.1							
run8	2/21/2013	16:24:30	15.20	12.1							
run8	2/21/2013	16:24:45	15.20	12.1							
run8	2/21/2013	16:25:00	15.20	12.1							
run8	2/21/2013	16:25:15	15.20	12.0							
run8	2/21/2013	16:25:30	15.20	12.1							
run8	2/21/2013	16:25:45	15.21	12.1							
run8	2/21/2013	16:26:00	15.21	12.1							
run8	2/21/2013	16:26:15	15.21	12.1							
run8	2/21/2013	16:26:30	15.20	12.1							
run8	2/21/2013	16:26:45	15.19	12.1							
run8	2/21/2013	16:27:00	15.21	12.1							
run8	2/21/2013	16:27:15	15.21	12.2							
run8	2/21/2013	16:27:30	15.21	12.2							
run8	2/21/2013	16:27:45	15.21	12.3							
run8	2/21/2013	16:28:00	15.21	12.3							
run8	2/21/2013	16:28:15	15.21	12.3							
run8	2/21/2013	16:26:30	15.21	12.3							
run8	2/21/2013	16:28:45	15.21	12.3							
run8	2/21/2013	16:29:00	15.21	12.3							
run8	2/21/2013	16:29:15	15.21	12.4							
run8	2/21/2013	16:29:30	15.21	12.4							
run8	2/21/2013	16:29:45	15.21	12.3							
run8	2/21/2013	16:30:00	15.21	12.3							
run8	2/21/2013	16:30:15	15.21	12.4							
run8	2/21/2013	16:30:30	15.20	12.4							
run8	2/21/2013	16:30:45	15.21	12.4							
run8	2/21/2013	16:31:00	15.21	12.4							
run8	2/21/2013	16:31:15	15.21	12.4							
run8	2/21/2013	16:31:30	15.21	12.4							
run8	2/21/2013	16:31:45	15.21	12.4							
run8	2/21/2013	16:32:00	15.20	12.4							
run8	2/21/2013	16:32:15	15.20	12.4							
run8	2/21/2013	16:32:30	15.21	12.4							
run8	2/21/2013	16:32:45	15.21	12.4							
run8	2/21/2013	16:33:00	15.21	12.4							
run8	2/21/2013	16:33:15	15.20	12.4							
run8	2/21/2013	16:33:30	15.21	12.4							
run8	2/21/2013	16:33:45	15.21	12.4							
run8	2/21/2013	16:34:00	15.21	12.4							
run8	2/21/2013	16:34:15	15.21	12.3							
run8	2/21/2013	16:34:30	15.21	12.2							
run8	2/21/2013	16:34:45	15.21	12.2							
run8	2/21/2013	16:35:00	15.21	12.1							
run8	2/21/2013	16:35:15	15.21	12.1							
run8	2/21/2013	16:35:30	15.21	12.1							
run8	2/21/2013	16:35:45	15.21	12.1							
run8	2/21/2013	16:36:00	15.21	12.1							
run8	2/21/2013	16:36:15	15.21	12.1							
run8	2/21/2013	16:36:30	15.21	12.1							
run8	2/21/2013	16:36:45	15.20	12.1							
run8	2/21/2013	16:37:00	15.21	12.1							
run8	2/21/2013	16:37:15	15.21	12.2							
run8	2/21/2013	16:37:30	15.21	12.1							
run8	2/21/2013	16:37:45	15.21	12.1							
averun8	2/21/2013	16:17:00	15.20	12.1	21						
scg2	2/21/2013	16:38:00	15.20	12.2	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:38:15	15.21	12.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:38:30	15.20	12.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:36:45	15.21	12.1	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:39:00	15.21	10.4	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:39:15	15.02	1.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:39:30	12.59	0.6	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:39:45	10.38	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:40:00	9.93	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:40:15	9.89	0.5	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg2	2/21/2013	16:40:30	9.89	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0	0
o2span2	2/21/2013	16:40:30	9.89	0.4	CC417218/cg2	O2	9.928	CO2	9.538	0	0
scg1	2/21/2013	16:40:45	9.88	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:41:00	9.88	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:41:15	9.87	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:41:30	9.87	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:41:45	9.87	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:42:00	9.84	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:42:15	7.57	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:42:30	2.96	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:42:45	0.53	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
scg1	2/21/2013	16:43:00	0.14	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
o2zero2	2/21/2013	16:43:00	0.14	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0
noxzero2	2/21/2013	16:43:00	0.14	0.4	CC96424/cg1	NOx	0	O2	0	CO	0	0

name			O2 B	NOx B						
sn			144001V02/4149	1016942787						
offset			0	0						
fullscale			25	20						
train			2	2						
gastype			o2 3a	nox 7e						
scg6	2/21/2013	16:43:15	0.09	0.3	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:43:30	0.08	0.3	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:43:45	0.06	0.3	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:00	0.06	0.3	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:15	0.06	0.3	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:30	0.06	2.4	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:44:45	0.06	16.9	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:45:00	0.06	19.0	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	16:45:15	0.05	19.1	CC410976/cg6	NOx	19.63	0	0	0
noxspan2	2/21/2013	16:45:15	0.05	19.1	CC410976/cg6	NOx	19.63	0	0	0
run9	2/21/2013	16:49:00	15.17	11.5						
run9	2/21/2013	16:49:15	15.17	11.5						
run9	2/21/2013	16:49:30	15.17	11.5						
run9	2/21/2013	16:49:45	15.16	11.5						
run9	2/21/2013	16:50:00	15.19	11.5						
run9	2/21/2013	16:50:15	15.19	11.5						
run9	2/21/2013	16:50:30	15.19	11.5						
run9	2/21/2013	16:50:45	15.19	11.5						
run9	2/21/2013	16:51:00	15.20	11.6						
run9	2/21/2013	16:51:15	15.19	11.5						
run9	2/21/2013	16:51:30	15.20	11.5						
run9	2/21/2013	16:51:45	15.20	11.5						
run9	2/21/2013	16:52:00	15.20	11.5						
run9	2/21/2013	16:52:15	15.20	11.5						
run9	2/21/2013	16:52:30	15.20	11.5						
run9	2/21/2013	16:52:45	15.21	11.5						
run9	2/21/2013	16:53:00	15.21	11.5						
run9	2/21/2013	16:53:15	15.21	11.5						
run9	2/21/2013	16:53:30	15.21	11.6						
run9	2/21/2013	16:53:45	15.19	11.6						
run9	2/21/2013	16:54:00	15.21	11.6						
run9	2/21/2013	16:54:15	15.21	11.6						
run9	2/21/2013	16:54:30	15.21	11.6						
run9	2/21/2013	16:54:45	15.21	11.6						
run9	2/21/2013	16:55:00	15.21	11.6						
run9	2/21/2013	16:55:15	15.21	11.6						
run9	2/21/2013	16:55:30	15.21	11.6						
run9	2/21/2013	16:55:45	15.21	11.6						
run9	2/21/2013	16:56:00	15.21	11.6						
run9	2/21/2013	16:56:15	15.21	11.6						
run9	2/21/2013	16:56:30	15.21	11.6						
run9	2/21/2013	16:56:45	15.22	11.6						
run9	2/21/2013	16:57:00	15.22	11.6						
run9	2/21/2013	16:57:15	15.22	11.7						
run9	2/21/2013	16:57:30	15.21	11.7						
run9	2/21/2013	16:57:45	15.22	11.7						
run9	2/21/2013	16:58:00	15.22	11.7						
run9	2/21/2013	16:58:15	15.22	11.7						
run9	2/21/2013	16:58:30	15.22	11.7						
run9	2/21/2013	16:58:45	15.22	11.7						
run9	2/21/2013	16:59:00	15.22	11.7						
run9	2/21/2013	16:59:15	15.22	11.7						
run9	2/21/2013	16:59:30	15.22	11.7						
run9	2/21/2013	16:59:45	15.22	11.7						
run9	2/21/2013	17:00:00	15.22	11.7						
run9	2/21/2013	17:00:15	15.22	11.7						
run9	2/21/2013	17:00:30	15.23	11.7						
run9	2/21/2013	17:00:45	15.23	11.7						
run9	2/21/2013	17:01:00	15.22	11.7						
run9	2/21/2013	17:01:15	15.23	11.7						
run9	2/21/2013	17:01:30	15.22	11.7						
run9	2/21/2013	17:01:45	15.23	11.7						
run9	2/21/2013	17:02:00	15.23	11.8						
run9	2/21/2013	17:02:15	15.23	11.8						
run9	2/21/2013	17:02:30	15.23	11.8						
run9	2/21/2013	17:02:45	15.22	11.8						
run9	2/21/2013	17:03:00	15.23	11.8						
run9	2/21/2013	17:03:15	15.23	11.6						
run9	2/21/2013	17:03:30	15.23	11.8						
run9	2/21/2013	17:03:45	15.22	11.8						
run9	2/21/2013	17:04:00	15.22	11.8						
run9	2/21/2013	17:04:15	15.23	11.8						
run9	2/21/2013	17:04:30	15.23	11.8						
run9	2/21/2013	17:04:45	15.23	11.8						
run9	2/21/2013	17:05:00	15.23	11.8						
run9	2/21/2013	17:05:15	15.23	11.8						
run9	2/21/2013	17:05:30	15.23	11.8						
run9	2/21/2013	17:05:45	15.23	11.8						
run9	2/21/2013	17:06:00	15.22	11.8						
run9	2/21/2013	17:06:15	15.22	11.8						
run9	2/21/2013	17:06:30	15.23	11.8						
run9	2/21/2013	17:06:45	15.23	11.8						
run9	2/21/2013	17:07:00	15.23	11.8						
run9	2/21/2013	17:07:15	15.23	11.8						
run9	2/21/2013	17:07:30	15.23	11.7						
run9	2/21/2013	17:07:45	15.23	11.8						
run9	2/21/2013	17:08:00	15.23	11.5						
run9	2/21/2013	17:08:15	15.23	11.6						
run9	2/21/2013	17:08:30	15.23	11.6						
run9	2/21/2013	17:08:45	15.23	11.8						
run9	2/21/2013	17:09:00	15.23	11.6						
run9	2/21/2013	17:09:15	15.23	11.8						
run9	2/21/2013	17:09:30	15.23	11.6						
run9	2/21/2013	17:09:45	15.23	11.6						
averun9	2/21/2013	16:49:00	15.21	11.6	21					
scg6	2/21/2013	17:10:00	15.23	11.6	CC410978/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	17:10:15	15.23	11.6	CC410976/cg6	NOx	19.63	0	0	0
scg6	2/21/2013	17:10:30	15.23	11.6	CC410976/cg6	NOx	19.63	0	0	0

name			O2 B	NOx B									
sn			144001V02/4149	1016942787									
offset			0	0									
fullscale			25	20									
train			2	2									
gastype			o2 3a	nox 7e									
scg8	2/21/2013	17:10:45	15.23	11.8	CC410976/cg6	NOx	19.63		0	0	0		
scg6	2/21/2013	17:11:00	15.23	11.7	CC410976/cg6	NOx	19.63		0	0	0		
scg6	2/21/2013	17:11:15	15.15	15.7	CC410976/cg6	NOx	19.63		0	0	0		
scg6	2/21/2013	17:11:30	11.00	18.9	CC410976/cg6	NOx	19.63		0	0	0		
scg6	2/21/2013	17:11:45	3.26	19.4	CC410976/cg6	NOx	19.63		0	0	0		
scg6	2/21/2013	17:12:00	0.48	19.4	CC410976/cg6	NOx	19.63		0	0	0		
noxspan2	2/21/2013	17:12:00	0.46	19.4	CC410976/cg6	NOx	19.63		0	0	0		
scg1	2/21/2013	17:12:15	0.15	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:12:30	0.11	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:12:45	0.09	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:13:00	0.08	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:13:15	0.08	19.4	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:13:30	0.07	7.7	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:13:45	0.07	0.7	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:14:00	0.06	0.6	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:14:15	0.06	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg1	2/21/2013	17:14:30	0.05	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0	
o2zero2	2/21/2013	17:14:30	0.05	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0	
noxzero2	2/21/2013	17:14:30	0.05	0.5	CC96424/cg1	NOx	0	O2	0	CO	0	0	
scg2	2/21/2013	17:14:45	0.05	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:15:00	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:15:15	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:15:30	0.04	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:15:45	0.03	0.4	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:16:00	0.09	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:16:15	3.10	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:16:30	7.38	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:16:45	9.36	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:17:00	9.76	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
scg2	2/21/2013	17:17:15	9.80	0.3	CC417218/cg2	O2	9.928	CO2	9.538		0	0	
o2span2	2/21/2013	17:17:15	9.80	0.3	CC417218/cg2	O2	9.928	CO2	9.538		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: Barton | STATE: FL | ZIP: 33830

UNIT LOAD: Base | HEAT INPUT: Tbd

CONTROL EQUIPMENT: — | OPERATING MODE: normal

FUEL TYPE/RATE: natural gas | PERMITTED RATE: 319 mmbtu/hr

DESCRIBE EMISSION POINT: Unit 1 Southern most silver stack — U2 = Northern most silver stack

HEIGHT ABOVE GROUND LEVEL: 100 ft | HEIGHT OF OBSERVATION POINT: 0 ft

EMISSIONS DESCRIPTION

DESCRIBE EMISSIONS: START clear heat trace | END clear heat trace

PLUME COLOR: clear | PLUME TYPE: comin heat trace

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

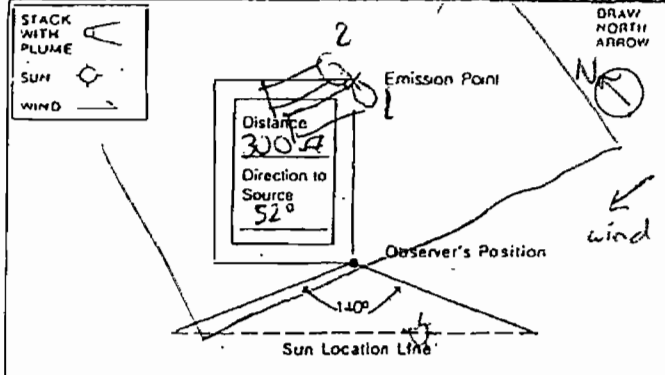
METEOROLOGICAL INFORMATION

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

SKY CONDITIONS – CLOUD COVER: START scattered | END scattered | AMBIENT TEMPERATURE: START 75 | END 78

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 inclination Unit 1 = 18°
Unit 2 = 15°

dry 84
wet 70 RH=48%

OBSERVER: Joe Conti | DATE: 2/21/2013

OBSERVER'S SIGNATURE:

OBSERVER CERTIFICATION NUMBER: 41007 | EXPIRATION DATE: 2/13/2013

OBSERVATION RECORD

DATE 2/21/2013 | Unit 1 STACK A | Unit 2 STACK B

HOUR	MINUTE	Unit 1 STACK A 0	15	30	45	Unit 2 STACK B 0	15	30	45
12:30	0	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
	6	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
12:40	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
	16	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
12:50	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
	26	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
1300	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
	36	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
1310	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
	46	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
1320	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
	56	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
1330	59	0	0	0	0	0	0	0	0

Observer's VE Certificate

VISIBLE EMISSIONS EVALUATOR

Joseph 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.

410007	**CON689124**
Certificate Number	Student ID Number
2/13/2013	**Tampa, FL**
Date of Certification	Location
8/15/2013	**TMPS12**
Certification Expiration Date	Last Lecture

Marty Hughes
Director of Training

Appendix G: Accreditations and Certifications

SOURCE EVALUATION SOCIETY

Qualified Source Testing Individual

LET IT BE KNOWN THAT

MATTHEW J. SAVIN

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 24TH DAY OF AUGUST 2011 AND EFFECTIVE UNTIL AUGUST 23RD , 2016

Peter R. Westlin, QSTI/QSTO Review Board

Peter S. Pakalnis, QSTI/QSTO Review Board

LeRoy Owens, 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. 2011-543

SOURCE EVALUATION SOCIETY

Qualified Source Testing Individual

LET IT BE KNOWN THAT

MATTHEW J. SAVIN

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 GASEOUS POLLUTANTS SOURCE SAMPLING METHODS

ISSUED THIS 24TH DAY OF AUGUST 2011 AND EFFECTIVE UNTIL AUGUST 23RD , 2016

Peter R. Westlin, QSTI/QSTO Review Board

Peter S. Pakalnis, QSTI/QSTO Review Board

LeRoy Owens, 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. 2011-543

SOURCE EVALUATION SOCIETY

Qualified Source Testing Individual

LET IT BE KNOWN THAT

MATTHEW J. SAVIN

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

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