

MAXIMUM POWER TEST ANGAMOS UNIT 1

# Result Maximum Power Test Angamos Unit 1




By order of AES Gener Chile

**Report no.:** 15-3245 Rev 1.0

**Date:** 2015-10-23



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Report title:	Result Maximum Power Test Angamos Unit 1	KEMA Nederland B.V.
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Rev. No.	Date	Reason for Issue	Prepared by	Verified by	Approved by
0	2015-10-22	First issue	R. Tim	M.J.G. Snippert	L.B.M. v. Kessel
1	2015-10-23	Table 1, 5.1, New Appendix			

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## EXECUTIVE SUMMARY

### Project

In close cooperation and by order of AES Gener, maximum power test and performance tests at Angamos Unit 1, as per CDEC-SING requirement, have been conducted by DNV GL in the period from the 12<sup>th</sup> of October 2015 until the 15<sup>th</sup> of October 2015.

The maximum power test was performed on the 12<sup>th</sup> of October 2015. The duration of the test was five hours, from 11:00 till 16:00.

### Purpose

The purpose of the maximum power test is to determine the maximum power of the unit as per specification "Procedimiento DO: Pruebas de Potencia Máxima en Unidades Generadoras" .

### Report

In this report the result is presented of the achieved maximum gross power of Angamos Unit 1, during the five hour test.

### Result

In table 1 the main result of the maximum power test of Angamos Unit 1 is presented.

**Table 1 Maximum Gross Power of Angamos Unit# 1**

HORA	POTENCIA EN MW		
	BRUTA	SS/AA	NETA=(BRUTA-SS/AA)
16:00	277.95	24.68	253.28
15:00	277.95	24.56	253.39
14:00	278.14	24.70	253.45
13:00	277.95	24.81	253.14
12:00	277.95	24.71	253.24
PROMEDIO (11:00 - 16:00)	277.99	24.69	253.30

### Conclusion

The achieved maximum gross power of Angamos Unit 1, during the five hour test of the 12<sup>th</sup> of October 2015, is **277.99 MW**.

### **Technical Remark concerning correction to nominal site conditions**

Although not specific mentioned in the CDEC-SING specification, in our opinion the measured maximum power of the unit has to be corrected to defined reference site conditions.

In our opinion specific defined reference conditions also have to be applied for other units of the electricity companies, falling under the same CDEC-SING regulations.

## 1 INTRODUCTION

In close cooperation and by order of AES Gener, maximum power test and performance tests at Angamos Unit 1 have been conducted by DNV GL in the period from the 12<sup>th</sup> of October 2015 until the 15<sup>th</sup> of October 2015, as per CDEC-SING requirement.

The maximum power test was performed on the 12<sup>th</sup> of October 2015; the duration of the test was five hours, from 11:00 till 16:00.

The gross power of the generator was measured by means of the plant kWh counter, with 15 minutes interval. This gross power metering system consists of 0.2% class PT's, 0.2% class CT's and 0.2% power meter; the metering system is in compliance with the required 1.0% class or better. The calibration certificate of this gross power metering system is added in Appendix A.

Reference values were monitored by the DCS system; the ambient condition in the vicinity of the cooling tower was measured by means of the temporary installed DNV GL weather station and data log system.

The plant was operated on load control with the nominal control and process settings. No specific process limits were monitored during the tests.

The following external representatives were present during the maximum power test:

CDEC-SING : Mr. Sergio Pizarro  
                  : Mr. Eduardo González  
E-CI : Mrs. Benedicte Piret

## 2 TEST PROGRAM MAXIMUM POWER TEST

**Table 2.1 Test program maximum power test**

<b>Test</b>	<b>100%</b>
Date	12-10-2015
Time begin	11:00
Time end	16:00

## 3 RESULTS

In the following Annexes the main detail information/results are presented:

Appendix A: Calibration certificate gross power metering system  
Appendix B: Results kWh counter gross power generator (15 min counter)  
Appendix C: Ambient conditions DNVGL weather station and cooling water temp. (1 min. interval)  
Appendix D: DCS measurements (5 sec. interval)

In table 5.1 the results of the maximum power test is summarised.

In table 5.2 the average value, the minimum, the maximum and standard deviation are presented of additional reference measurements. Each separate measurement scan is presented in Appendix C and D.

**Table 5.1 Overview main result**

<b>Point Number</b>	<b>Maximum Power Test</b>	<b>Unit</b>	<b>100%</b>
DNVGL	Date		12-10-2015
	Time begin		11:00
	Time end		16:00
	<b>Ambient Conditions</b>		
@3001	P Ambient Pressure	mbar	1010.6
@3002	T Ambient Temperature	°C	18.85
@0082	X Relative Humidity	%	53.20
@0966	<b>Pe Maximum Gross Power Measured</b>	MW	<b>277.99</b>

**Table 5.2 Additional reference values**

<b>Maximum Power Test</b>		<b>100%</b>			
Date		12-10-2015			
Time begin		11:00			
Time end		16:00			
	<b>Unit</b>	<b>Average</b>	<b>Standard Deviation</b>	<b>Maximum</b>	<b>Minimum</b>
Ambient Temperature (DNV GL)	°C	18.85	0.49	19.93	17.58
Humidity (DNV GL)	%	53.20	2.91	60.52	48.22
Ambient Pressure (DNV GL)	bar	1.01056	0.00083	1.01152	1.00905
Cool Water Temperature (DNV GL)	°C	24.19	0.43	24.81	23.01
Gross Power Generator (DCS)	MW	277.1	0.7	279.8	274.3
Reactive Power (DCS)	Mvar	9.26	3.29	15.90	-2.41
Power Factor (DCS)	-	0.999	0.000	1.000	0.998
Speed (DCS)	rpm	3000.6	7.5	3023.0	2970.1
Voltage Generator (DCS)	kV	17.71	0.07	17.81	17.35
Frequency Generator (DCS)	Hz	50.00	0.12	50.32	49.50
HP Valve Position (DCS)	%	82.78	2.27	89.98	76.31
IP Valve Position (DCS)	%	99.94	0.02	100.00	99.88
HP steam Pressure (DCS)	bar	159.8	0.6	161.4	158.2
HP steam Temperature (DCS)	°C	547.5	3.5	554.5	540.7
IP steam Pressure (DCS)	bar	41.04	0.13	41.36	40.68
HP steam Temperature (DCS)	°C	566.7	1.0	569.0	563.5
Outlet Boiler Temperature A (DCS)	°C	389.8	1.7	392.6	386.9
Outlet Boiler Temperature B (DCS)	°C	388.2	2.1	392.4	384.8



**APPENDIX A**  
**Certificate Gross Power Metering System**

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**ANEXO**  
**SISTEMAS DE MEDIDAS PARA VALORIZACIÓN DE TRANSFERENCIAS**  
**FORMULARIO DE REGISTRO DE INFORMACIÓN**

**1. INFORMACIÓN GENERAL:**

S/E O CLIENTE	
CENTRAL	ANGAMOS
PROPIETARIO	AES-GENER
NIVEL DE TENSIÓN DE LA MEDIDA	18.000 VOLT
OTROS (Nombre Medidor)	UNIDAD 1 -GROSS GENERADOR-MAIN

**2. INFORMACIÓN TT/CC (CT5):**

MARCA (MANUFACTURE)	ALFA STANDARD		
TIPO MODELO (MODEL)	AON-M		
NUMEROS DE SERIE (SERIES NUMBER)	345880304	345880305	345880306
RAZÓN DE TRANSFORMACIÓN (RATIO)	2400		
PRIMARY CURRENT / SECONDARY CURRENT (A)	12000 / 5		
CLASE DE PRECISION Y NORMA (CLASS)	0,2 IEC		
POTENCIA NOMINAL (BURDEN) VA	50		
OTROS	X4MKA 01 GT 005		
Plano: 0-WD490-EE166-00201	Pág. 12		

**3. INFORMACIÓN TT/PP (VT1):**

MARCA (MANUFACTURE)	CGS		
TIPO MODELO (MODEL)	UKM24/3		
NUMEROS SERIE (SERIES NUMBER)	450750701	450750702	450750703
RAZÓN DE TRANSFORMACIÓN (RATIO)	156,5		
CLASE DE PRECISIÓN Y NORMA	0,2 IEC		
PRIMARY VOLTAGE / SECONDARY VOLTAGE	18000 / $\sqrt{3}$ / 115/V		
POTENCIA NOMINAL (BURDEN)	50		
OTROS			
Plano: 0-WD490-EE166-00200	Pág. 14		

**4. INFORMACIÓN EQUIPO DE MEDIDA:**

MARCA (MANUFACTURE)	SCHNEIDER ELECTRIC
TIPO O MODELO (MODEL)	ION 8600B4
NUMERO SERIE (SERIE NUMBER)	MT-1002 A 580-01
CLASE DE PRECISIÓN Y NORMA (CLASS)	0,2
CUADRANTES DE MEDIDA	4
CONFIGURACIÓN	
CONSTANTES DE MULTIPLICACIÓN	2400 x 156.52 (KTA x KTV)
CONSTANTES DEL EMISOR DE IMPULSOS	1.8 ( Wh/Imp )
TIPOS DE LECTURA (REMOTA/LOCAL)	
OTROS	

**5. ANEXOS (INCLUIR COPIAS):**

DIAGRAMA UNILINEAL DE LA CONEXION	
INFORMACIÓN TÉCNICA DE FABRICA	
PROTOCOLOS DE PUESTA EN SERVICIO	SE ADJUNTA PROTOCOLO
PROTOCOLOS DE REGISTROS DE INTERVENCIÓN DE LAS 2 ÚLTIMAS VERIFICACIONES	MEDIDOR NUEVO





PO201001200004

## CERTIFICADO DE EXACTITUD DEL MEDIDOR

<b>FECHA SERVICIO</b>	01/12/2010	<b>IDENTIFICACIÓN DEL MEDIDOR</b>	
<b>IDENTIFICACION DEL CLIENTE</b>		Marca	SCHNEIDER ELECTRIC
Nombre	POSCO E & C	Tipo	ION 8600B
Sub Estación	CENTRAL ANGAMOS	Número de Serie	MT-1002A580-01
<b>PATRÓN DE REFERENCIA</b>		Ubicación	UNIDAD 1
Consola	MTE PTS 3.3	Clase de Exactitud	0,2 %
Clase de Exactitud	+/- 0,05	Estado	NUEVO

<b>CONDICIONES DE LA MEDIDA</b>			
Tipo de Medida	ESTRELLA	Constante Medidor	1,8 [Wh/Imp]
Tensión Aplicada	3 x 63.5 (115) [V] - 50 [Hz]	Temperatura	AMBIENTE
Corriente Nominal	3 x 5 (10) [A]	Nº de Elementos	3
<b>RESULTADOS DE LA VERIFICACIÓN</b>		Conexión	DIRECTA

Componente Activa						Componente Reactiva					
Nº	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]	Nº	Fase	Cte. [%]	Factor	Error [%]	Límite Norma [%]
1	123	100	1,0	-0,012	+/- 0,2	1	123	100	1,0	-0,006	+/- 2,0
2	123	100	0,5	-0,009	+/- 0,3	2	123	100	0,5	-0,016	+/- 2,0
3	123	10	1,0	-0,018	+/- 0,2	3	123	10	1,0	-0,022	+/- 2,0
4	1	100	1,0	-0,019	+/- 0,3	4	1	100	1,0	-0,013	+/- 3,0
5	2	100	1,0	0,025	+/- 0,3	5	2	100	1,0	-0,023	+/- 3,0
6	3	100	1,0	-0,005	+/- 0,3	6	3	100	1,0	-0,011	+/- 3,0
7	1	100	0,5	-0,020	+/- 0,4	7	1	100	0,5	-0,007	+/- 3,0
8	2	100	0,5	-0,021	+/- 0,4	8	2	100	0,5	-0,039	+/- 3,0
9	3	100	0,5	-0,010	+/- 0,4	9	3	100	0,5	0,030	+/- 3,0

Cumple Clausula 8.1 Norma IEC 62053-22 Clase 0,2      Cumple Clausula 8.1 Norma IEC 62053-23 Clase 2

Energía en Display      Tipo de Display      ELECTRONICO      Error en Display      0,008

### CONCLUSIONES

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-22 referente a los límites de error para su clase de exactitud, en la componente Activa.  
 El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-23 referente a los límites de error para su clase de exactitud, en la componente Reactiva.

Los resultados consignados se refieren exclusivamente a la muestra ensayada y Compañía Americana de Multiservicios Ltda. declina toda responsabilidad por el uso indebido que se hiciere del presente Certificado.

**FECHA SERVICIO** 01/12/2010

**IDENTIFICACIÓN DEL MEDIDOR**
**IDENTIFICACIÓN DEL CLIENTE**
**Nombre** POSCO E & C  
**Sub Estación** CENTRAL ANGAMOS

**Marca** SCHNEIDER ELECTRIC

**Tipo** ION 8600B  
**Número de Serie** MT-1002A580-01

**PATRON DE REFERENCIA**
**Consola** MTE PTS 3.3  
**Clase de Exactitud** +/- 0,05

**Ubicación** UNIDAD 1  
**Clase de Exactitud** 0,2 %  
**Estado** NUEVO

**CONDICIONES DE LA MEDIDA**
**Tipo de Medida** ESTRELLA  
**Tensión Aplicada** 3 x 63,5 (115) [V] - 50 [Hz]  
**Corriente Nominal** 3 x 5 (10) [A]

**Constante Medidor** 1,8 [Wh/Imp]  
**Temperatura** AMBIENTE  
**N° de Elementos** 3

**RESULTADOS DE LA VERIFICACION**
**Conexión** REVERSA

**Componente Activa**

N°	Fase	Cte. [%]	Factor	Error [%]	Limite Norma [%]
1	123	100	1,0	0,003	+/- 0,2
2	123	100	0,5	0,013	+/- 0,3
3	123	10	1,0	-0,07	+/- 0,2
4	1	100	1,0	-0,024	+/- 0,3
5	2	100	1,0	0,017	+/- 0,3
6	3	100	1,0	0,012	+/- 0,3
7	1	100	0,5	-0,002	+/- 0,4
8	2	100	0,5	0,018	+/- 0,4
9	3	100	0,5	0,012	+/- 0,4

**Componente Reactiva**

N°	Fase	Cte. [%]	Factor	Error [%]	Limite Norma [%]
1	123	100	1,0	-0,013	+/- 2,0
2	123	100	0,5	0,010	+/- 2,0
3	123	10	1,0	-0,023	+/- 2,0
4	1	100	1,0	-0,016	+/- 3,0
5	2	100	1,0	-0,011	+/- 3,0
6	3	100	1,0	-0,006	+/- 3,0
7	1	100	0,5	-0,006	+/- 3,0
8	2	100	0,5	-0,029	+/- 3,0
9	3	100	0,5	0,039	+/- 3,0

Cumple Clausula 8.1 Norma IEC 62053-22 Clase 0,2

Cumple Clausula 8.1 Norma IEC 62053-23 Clase 2

**CONCLUSIONES**

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-22 referente a los límites de error para su clase de exactitud, en la componente Activa.

El medidor cumple con la cláusula 8.1 de la Norma IEC 62053-23 referente a los límites de error para su clase de exactitud, en la componente Reactiva.

 Certificado emitido por Compañía Americana de Multiservicios.  
 Equipos Certificados y Verificados con Patrones bajo laboratorio  
 Normados en ISO 9001:2000 y NCh - ISO 17025



 Victor Maldonado Valdebenito  
 Supervisor Técnico  
 Unidad SS/EE y Monitoreos

## APPENDIX B

### Results kWh Counter Gross Power Measurement (15 min interval)

ENERGIA BRUTA GENERADA UNIDAD #1	
DATE/TIME	kWh del
12-10-2015 16:00:00.000	791166080
12-10-2015 15:45:00.000	791096576
12-10-2015 15:30:00.000	791027136
12-10-2015 15:15:00.000	790957632
12-10-2015 15:00:00.000	790888128
12-10-2015 14:45:00.000	790818624
12-10-2015 14:30:00.000	790749184
12-10-2015 14:15:00.000	790679744
12-10-2015 14:00:00.000	790610176
12-10-2015 13:45:00.000	790540736
12-10-2015 13:30:00.000	790471104
12-10-2015 13:15:00.000	790401472
12-10-2015 13:00:00.000	790332032
12-10-2015 12:45:00.000	790262528
12-10-2015 12:30:00.000	790193024
12-10-2015 12:15:00.000	790123584
12-10-2015 12:00:00.000	790054080
12-10-2015 11:45:00.000	789984640
12-10-2015 11:30:00.000	789915072
12-10-2015 11:15:00.000	789845568
12-10-2015 11:00:00.000	789776128



## APPENDIX C

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### DNV GL Ambient conditions weather station and cooling water inlet temperature condenser (1 minute interval)

Date	Time	Ambient Conditions			Inlet Cool Water Temperature °C
		Temperature °C	Humidity %	Pressure bar	
12-Oct-15	11:00	17.58	57.05	1.01138	23.01
12-Oct-15	11:01	17.66	56.93	1.01136	23.04
12-Oct-15	11:02	17.77	56.51	1.01134	23.06
12-Oct-15	11:03	17.91	55.55	1.01135	23.01
12-Oct-15	11:04	18.03	55.19	1.01138	23.03
12-Oct-15	11:05	18.08	54.75	1.01136	23.09
12-Oct-15	11:06	18.17	55.05	1.01138	23.11
12-Oct-15	11:07	18.26	55.05	1.01139	23.09
12-Oct-15	11:08	18.28	54.65	1.01144	23.13
12-Oct-15	11:09	18.27	55.28	1.01142	23.11
12-Oct-15	11:10	18.33	54.69	1.01143	23.13
12-Oct-15	11:11	18.38	54.94	1.01143	23.16
12-Oct-15	11:12	18.25	55.47	1.01143	23.19
12-Oct-15	11:13	18.28	55.93	1.01140	23.21
12-Oct-15	11:14	18.38	54.94	1.01141	23.19
12-Oct-15	11:15	18.29	55.15	1.01140	23.23
12-Oct-15	11:16	18.26	55.20	1.01145	23.26
12-Oct-15	11:17	18.28	55.12	1.01145	23.26
12-Oct-15	11:18	18.34	54.75	1.01145	23.27
12-Oct-15	11:19	18.36	56.16	1.01143	23.26
12-Oct-15	11:20	18.30	55.77	1.01144	23.27
12-Oct-15	11:21	18.22	55.31	1.01145	23.32
12-Oct-15	11:22	18.12	55.99	1.01147	23.27
12-Oct-15	11:23	17.99	56.07	1.01145	23.31
12-Oct-15	11:24	17.85	56.51	1.01148	23.33
12-Oct-15	11:25	17.75	57.19	1.01144	23.41
12-Oct-15	11:26	17.74	56.94	1.01147	23.42
12-Oct-15	11:27	17.85	57.11	1.01144	23.49
12-Oct-15	11:28	17.84	56.42	1.01148	23.52
12-Oct-15	11:29	17.78	56.81	1.01148	23.55
12-Oct-15	11:30	17.87	56.34	1.01146	23.61
12-Oct-15	11:31	17.88	56.10	1.01147	23.64
12-Oct-15	11:32	18.00	55.61	1.01145	23.69
12-Oct-15	11:33	18.23	54.38	1.01144	23.70
12-Oct-15	11:34	18.27	54.21	1.01146	23.75
12-Oct-15	11:35	18.21	55.19	1.01149	23.73
12-Oct-15	11:36	18.27	55.30	1.01151	23.82
12-Oct-15	11:37	18.30	55.33	1.01142	23.83
12-Oct-15	11:38	18.28	55.01	1.01143	23.79
12-Oct-15	11:39	18.28	54.80	1.01143	23.80
12-Oct-15	11:40	18.45	54.52	1.01140	23.78
12-Oct-15	11:41	18.68	53.27	1.01140	23.78
12-Oct-15	11:42	18.82	53.35	1.01140	23.82
12-Oct-15	11:43	18.92	52.65	1.01142	23.83
12-Oct-15	11:44	18.95	53.10	1.01143	23.84
12-Oct-15	11:45	18.81	52.82	1.01145	23.74
12-Oct-15	11:46	18.71	54.12	1.01142	23.76
12-Oct-15	11:47	18.67	53.76	1.01144	23.78
12-Oct-15	11:48	18.67	53.71	1.01142	23.80
12-Oct-15	11:49	18.55	54.02	1.01143	23.78
12-Oct-15	11:50	18.49	53.93	1.01144	23.77
12-Oct-15	11:51	18.31	55.06	1.01144	23.75
12-Oct-15	11:52	18.15	55.27	1.01145	23.81
12-Oct-15	11:53	18.23	54.71	1.01152	23.73
12-Oct-15	11:54	18.28	54.00	1.01151	23.78
12-Oct-15	11:55	18.27	54.38	1.01148	23.81
12-Oct-15	11:56	18.18	55.03	1.01148	23.84
12-Oct-15	11:57	18.15	55.52	1.01145	23.82
12-Oct-15	11:58	18.29	54.64	1.01144	23.80
12-Oct-15	11:59	18.41	53.79	1.01143	23.79
12-Oct-15	12:00	18.51	53.86	1.01142	23.80
12-Oct-15	12:01	18.59	53.18	1.01143	23.80
12-Oct-15	12:02	18.58	54.12	1.01145	23.79
12-Oct-15	12:03	18.48	54.29	1.01139	23.81
12-Oct-15	12:04	18.53	54.49	1.01136	23.85
12-Oct-15	12:05	18.46	53.99	1.01137	23.78
12-Oct-15	12:06	18.42	54.20	1.01142	23.82
12-Oct-15	12:07	18.50	53.78	1.01138	23.89
12-Oct-15	12:08	18.54	53.28	1.01139	23.91
12-Oct-15	12:09	18.64	53.19	1.01140	23.91
12-Oct-15	12:10	18.72	53.47	1.01137	23.92
12-Oct-15	12:11	18.80	53.24	1.01145	23.96
12-Oct-15	12:12	18.77	53.57	1.01137	23.94
12-Oct-15	12:13	18.68	54.19	1.01139	24.01
12-Oct-15	12:14	18.62	55.42	1.01138	23.98
12-Oct-15	12:15	18.70	54.39	1.01138	24.00
12-Oct-15	12:16	18.65	55.86	1.01134	24.01
12-Oct-15	12:17	18.61	55.60	1.01134	24.02
12-Oct-15	12:18	18.64	54.82	1.01137	24.03
12-Oct-15	12:19	18.62	54.57	1.01134	24.06
12-Oct-15	12:20	18.57	56.77	1.01133	24.09
12-Oct-15	12:21	18.58	55.53	1.01136	24.10
12-Oct-15	12:22	18.60	56.36	1.01131	24.10
12-Oct-15	12:23	18.66	55.48	1.01136	24.07
12-Oct-15	12:24	18.70	56.12	1.01134	24.08
12-Oct-15	12:25	18.69	56.45	1.01129	24.14
12-Oct-15	12:26	18.69	57.26	1.01127	24.11
12-Oct-15	12:27	18.80	56.97	1.01127	24.13
12-Oct-15	12:28	18.97	54.96	1.01130	24.13
12-Oct-15	12:29	18.88	55.33	1.01125	24.14
12-Oct-15	12:30	18.86	54.83	1.01129	24.18
12-Oct-15	12:31	18.78	54.68	1.01127	24.22
12-Oct-15	12:32	18.58	55.37	1.01126	24.17
12-Oct-15	12:33	18.63	55.94	1.01126	24.16
12-Oct-15	12:34	18.60	55.24	1.01124	24.15
12-Oct-15	12:35	18.41	56.15	1.01129	24.14
12-Oct-15	12:36	18.36	57.31	1.01129	24.20
12-Oct-15	12:37	18.16	58.03	1.01122	24.18
12-Oct-15	12:38	18.03	58.77	1.01121	24.22
12-Oct-15	12:39	18.11	57.42	1.01124	24.15
12-Oct-15	12:40	18.15	56.65	1.01123	24.16
12-Oct-15	12:41	18.30	56.96	1.01120	24.18
12-Oct-15	12:42	18.46	57.12	1.01121	24.14
12-Oct-15	12:43	18.60	56.05	1.01123	24.08
12-Oct-15	12:44	18.61	56.44	1.01123	24.11
12-Oct-15	12:45	18.66	56.54	1.01120	24.09
12-Oct-15	12:46	18.67	55.31	1.01118	24.08
12-Oct-15	12:47	18.61	56.77	1.01115	24.04
12-Oct-15	12:48	18.65	56.58	1.01117	24.08
12-Oct-15	12:49	18.58	56.25	1.01119	24.08
12-Oct-15	12:50	18.53	57.36	1.01116	24.08
12-Oct-15	12:51	18.57	57.49	1.01114	24.09
12-Oct-15	12:52	18.57	57.65	1.01111	24.05
12-Oct-15	12:53	18.64	57.81	1.01113	24.06
12-Oct-15	12:54	18.67	57.34	1.01117	24.05
12-Oct-15	12:55	18.59	58.22	1.01114	24.08
12-Oct-15	12:56	18.61	58.04	1.01115	24.09
12-Oct-15	12:57	18.51	58.31	1.01117	24.09

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:00:00	278.0	1.58	1.000	3008.1	17.56	50.12	80.18	99.98	160.2	546.6	41.09	568.4	386.9	384.8
12-Oct-15	11:00:05	278.3	1.19	1.000	3004.4	17.57	50.10	80.55	99.98	160.3	546.5	41.10	568.4	386.9	384.8
12-Oct-15	11:00:10	278.5	0.81	1.000	3002.3	17.57	50.04	80.59	99.99	160.4	546.4	41.11	568.4	386.9	384.8
12-Oct-15	11:00:15	278.5	0.42	1.000	2997.5	17.58	49.99	80.90	99.99	160.4	546.4	41.11	568.4	386.9	384.8
12-Oct-15	11:00:20	277.7	0.02	1.000	2997.0	17.57	49.95	81.22	100.0	160.4	546.3	41.12	568.4	386.9	384.8
12-Oct-15	11:00:25	276.9	-0.40	1.000	3007.2	17.57	50.00	82.75	100.0	160.4	546.3	41.13	568.4	386.9	384.8
12-Oct-15	11:00:30	277.2	-0.82	1.000	3008.1	17.57	50.10	81.76	100.0	160.4	546.3	41.14	568.4	386.9	384.8
12-Oct-15	11:00:35	277.5	-1.24	1.000	3010.9	17.56	50.13	81.36	100.0	160.4	546.3	41.14	568.4	386.9	384.8
12-Oct-15	11:00:40	278.0	-1.66	1.000	3008.9	17.56	50.12	81.46	100.0	160.4	546.3	41.15	568.4	386.9	384.8
12-Oct-15	11:00:45	278.0	-0.99	1.000	3009.5	17.56	50.11	81.87	100.0	160.4	546.3	41.16	568.4	386.9	384.8
12-Oct-15	11:00:50	278.1	-0.08	1.000	3006.0	17.55	50.09	81.56	100.0	160.4	546.3	41.17	568.4	386.9	384.8
12-Oct-15	11:00:55	277.9	-1.00	1.000	3000.7	17.55	50.05	81.91	100.0	160.4	546.3	41.18	568.4	386.9	384.8
12-Oct-15	11:01:00	276.9	-1.90	1.000	3004.1	17.55	50.07	82.30	100.0	160.4	546.3	41.15	568.4	386.9	384.9
12-Oct-15	11:01:05	277.6	-1.25	1.000	3003.8	17.54	50.08	82.28	100.0	160.4	546.1	41.11	567.8	386.9	384.9
12-Oct-15	11:01:10	277.9	-0.60	1.000	2999.8	17.54	50.06	82.44	99.98	160.4	546.0	41.08	567.7	386.9	384.9
12-Oct-15	11:01:15	277.9	0.04	1.000	3002.6	17.54	50.04	82.82	99.93	160.4	545.8	41.08	567.6	386.9	384.9
12-Oct-15	11:01:20	277.2	-1.17	1.000	3002.6	17.54	50.04	83.19	99.88	160.4	545.7	41.08	567.6	386.9	384.8
12-Oct-15	11:01:25	277.0	-1.89	1.000	3005.6	17.54	50.04	83.49	99.88	160.4	545.6	41.08	567.5	386.9	384.9
12-Oct-15	11:01:30	276.7	-1.64	1.000	3007.5	17.54	50.09	83.58	99.88	160.4	545.5	41.08	567.4	386.9	384.9
12-Oct-15	11:01:35	277.7	-1.32	1.000	3004.8	17.54	50.07	82.73	99.88	160.4	545.5	41.08	567.3	386.9	384.9
12-Oct-15	11:01:40	277.7	-1.00	1.000	3003.9	17.55	50.05	82.73	99.88	160.4	545.4	41.08	567.2	386.9	384.9
12-Oct-15	11:01:45	277.2	-0.69	1.000	3005.9	17.55	50.03	83.22	99.89	160.4	545.3	41.08	567.2	386.9	384.9
12-Oct-15	11:01:50	277.3	-0.37	1.000	3003.5	17.55	50.02	83.48	99.89	160.4	545.3	41.08	567.1	386.9	384.9
12-Oct-15	11:01:55	277.7	-0.05	1.000	3000.5	17.55	50.00	83.25	99.89	160.3	545.2	41.08	567.0	386.9	384.9
12-Oct-15	11:02:00	277.6	0.23	1.000	3001.2	17.56	49.99	83.28	99.89	160.3	545.1	41.08	566.9	386.9	384.9
12-Oct-15	11:02:05	277.3	0.49	1.000	3003.1	17.56	50.00	83.76	99.89	160.3	545.0	41.08	566.9	386.9	384.9
12-Oct-15	11:02:10	276.8	0.76	1.000	3001.0	17.56	50.01	83.85	99.90	160.3	545.0	41.07	566.8	386.9	384.9
12-Oct-15	11:02:15	277.7	1.02	1.000	3003.1	17.56	50.02	83.62	99.90	160.3	544.9	41.07	566.8	386.9	384.9
12-Oct-15	11:02:20	277.9	1.29	1.000	2997.1	17.56	50.03	83.89	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:25	277.2	1.55	1.000	2999.8	17.56	50.03	84.27	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:30	276.1	1.82	1.000	3003.9	17.56	50.07	84.57	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:35	277.5	2.09	1.000	3004.7	17.56	50.08	83.68	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:40	277.6	2.09	1.000	3002.6	17.56	50.05	83.52	99.90	160.3	544.8	41.08	566.8	386.9	384.9
12-Oct-15	11:02:45	277.7	2.09	1.000	3000.8	17.56	50.02	83.81	99.90	160.2	544.8	41.08	566.7	386.9	384.9
12-Oct-15	11:02:50	278.2	2.09	1.000	2998.8	17.56	49.97	83.47	99.90	160.2	544.8	41.08	566.6	386.9	384.9
12-Oct-15	11:02:55	277.7	2.09	1.000	2995.6	17.56	49.92	83.82	99.90	160.2	544.7	41.08	566.5	386.9	384.9
12-Oct-15	11:03:00	277.5	2.09	1.000	2999.6	17.56	49.90	84.16	99.91	160.1	544.7	41.08	566.4	386.9	384.9
12-Oct-15	11:03:05	276.9	2.09	1.000	2999.4	17.56	49.94	84.86	99.91	160.1	544.7	41.09	566.3	386.9	384.9
12-Oct-15	11:03:10	277.0	2.10	1.000	2999.3	17.58	49.93	83.73	99.91	160.1	544.7	41.09	566.3	386.9	384.9
12-Oct-15	11:03:15	276.7	2.12	1.000	3007.3	17.58	50.02	83.47	99.91	160.1	544.6	41.08	566.3	386.9	384.9
12-Oct-15	11:03:20	277.7	2.15	1.000	2999.9	17.57	50.04	83.21	99.92	160.0	544.6	41.07	566.3	386.9	384.9
12-Oct-15	11:03:25	277.2	2.17	1.000	2999.6	17.59	50.03	83.53	99.92	160.0	544.6	41.07	566.3	386.9	384.9
12-Oct-15	11:03:30	276.9	2.19	1.000	3003.6	17.59	50.02	83.24	99.93	160.0	544.6	41.06	566.2	386.9	384.9
12-Oct-15	11:03:35	277.2	2.20	1.000	3006.4	17.58	50.01	82.78	99.93	160.0	544.6	41.05	566.2	386.9	384.9
12-Oct-15	11:03:40	278.6	1.06	1.000	2995.7	17.57	50.00	82.35	99.94	159.9	544.6	41.04	566.2	386.9	384.9
12-Oct-15	11:03:45	277.9	-0.17	1.000	2991.8	17.57	49.96	83.07	99.94	159.9	544.6	41.03	566.2	386.9	384.9
12-Oct-15	11:03:50	276.7	-1.69	1.000	2998.6	17.56	49.96	84.27	99.95	159.9	544.6	41.02	566.2	386.9	384.9
12-Oct-15	11:03:55	276.4	-1.80	1.000	3002.9	17.56	49.99	84.80	99.95	159.8	544.6	41.01	566.2	386.9	384.9
12-Oct-15	11:04:00	276.8	-1.58	1.000	3002.1	17.55	50.05	84.32	99.95	159.8	544.6	41.00	566.2	386.9	384.9
12-Oct-15	11:04:05	277.2	-1.36	1.000	3003.4	17.55	50.02	84.05	99.96	159.7	544.6	40.99	566.1	386.9	384.9
12-Oct-15	11:04:10	276.9	-1.14	1.000	3000.6	17.54	50.00	84.06	99.96	159.7	544.6	40.96	566.1	386.9	384.9
12-Oct-15	11:04:15	276.7	-0.92	1.000	3003.1	17.54	50.00	84.44	99.97	159.7	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:20	276.8	-0.70	1.000	3002.9	17.54	50.00	84.44	99.97	159.7	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:25	276.6	-0.48	1.000	2996.4	17.54	50.00	84.44	99.97	159.7	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:30	276.1	-0.25	1.000	2999.6	17.54	50.00	84.87	99.97	159.6	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:35	277.1	-0.03	1.000	2999.3	17.54	50.00	84.00	99.97	159.6	544.5	40.94	566.1	386.9	384.9
12-Oct-15	11:04:40	277.2	-0.21	1.000	2998.9	17.54	50.00	83.61	99.97	159.6	544.5	40.95	566.1	386.9	384.9
12-Oct-15	11:04:45	276.7	-1.96	1.000	2997.3	17.54	50.00	84.86	99.96	159.6	544.5	40.95	566.1	386.9	384.9
12-Oct-15	11:04:50	277.0	-1.17	1.000	2995.8	17.54	49.98	84.74	99.96	159.6	544.5	40.95	566.1	386.9	384.9
12-Oct-15	11:04:55	277.0	-0.19	1.000	2996.1	17.54	49.95	85.01	99.95	159.6	544.4	40.95	566.1	386.9	384.9
12-Oct-15	11:05:00	276.7	-0.13	1.000	2999.3	17.54	49.96	85.29	99.95	159.6	544.4	40.95	566.1	386.9	384.9
12-Oct-15	11:05:05	276.4	-0.30	1.000	3003.1	17.54	49.98	85.55	99.94	159.5	544.4	40.96	566.1	386.9	384.9
12-Oct-15	11:05:10	276.6	-0.46	1.000	3007.0	17.54	50.02	85.18	99.94	159.5	544.4	40.96	566.1	386.9	384.9
12-Oct-15	11:05:15	277.0	-0.63	1.000	3001.5	17.54	50.04	84.54	99.93	159.5	544.3	40.96	566.1	386.9	384.9
12-Oct-15	11:05:20	276.7	-0.79	1.000	3003.4	17.54	50.01	84.85	99.93	159.5	544.3	40.95	566.1	386.9	384.9
12-Oct-15	11:05:25	276.7	-0.96	1.000	2997.5	17.54	49.99	85.15	99.93	159.4	544.3	40.93	566.1	386.9	384.9
12-Oct-15	11:05:30	276.5	-1.12	1.000	2999.7	17.54	49.98	85.45	99.93	159.4	544.3	40.92	566.1	386.9	384.9
12-Oct-15	11:05:35	276.4	-1.29	1.000	3002.7	17.54	49.97	85.22	99.93	159.4	544.3	40.91	566.1	386.9	384.9
12-Oct-15	11:05:40	277.1	-1.45	1.000	3002.3	17.54	49.96	84.54	99.93	159.3	544.3	40.90	566.1	386.9	384.9
12-Oct-15	11:05:45	277.2	-1.62	1.000	2998.9	17.54	49.94	84.83	99.93	159.3	544.3	40.88	566.1	386.9	384.9
12-Oct-15	11:05:50	276.8	-1.78	1.000	2995.4	17.54	49.91	85.20	99.93	159.3	544.3	40.87	566.1	386.9	384.9
12-Oct-15	11:05:55	275.7	-1.91	1.000	2997.1	17.54	49.92	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:09:50	276.2	-0.50	1.000	2993.9	17.53	49.90	83.15	99.97	158.6	547.1	40.78	567.2	386.9	384.8
12-Oct-15	11:09:55	276.0	-0.57	1.000	2993.1	17.53	49.92	83.28	99.97	158.6	547.2	40.77	567.2	386.9	384.8
12-Oct-15	11:10:00	275.8	-0.63	1.000	2998.9	17.53	49.93	83.40	99.97	158.6	547.2	40.77	567.2	386.9	384.8
12-Oct-15	11:10:05	276.4	-0.73	1.000	2995.7	17.54	49.92	82.61	99.97	158.6	547.3	40.76	567.2	386.9	384.8
12-Oct-15	11:10:10	276.6	-0.80	1.000	2995.5	17.54	49.89	82.48	99.97	158.6	547.4	40.75	567.3	386.9	384.8
12-Oct-15	11:10:15	276.2	-0.88	1.000	2995.5	17.54	49.90	83.21	99.97	158.6	547.4	40.75	567.3	386.9	384.8
12-Oct-15	11:10:20	276.1	-0.89	1.000	2994.3	17.54	49.91	82.84	99.98	158.6	547.5	40.74	567.3	386.9	384.8
12-Oct-15	11:10:25	276.0	-0.90	1.000	2995.6	17.54	49.92	83.07	99.98	158.6	547.5	40.73	567.3	386.9	384.8
12-Oct-15	11:10:30	276.0	-0.91	1.000	2999.3	17.54	49.92	82.72	99.98	158.6	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:35	276.1	-0.92	1.000	2996.1	17.54	49.92	82.38	99.98	158.6	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:40	276.2	-0.93	1.000	2995.7	17.54	49.91	82.51	99.98	158.6	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:45	276.3	-0.94	1.000	2993.9	17.54	49.89	82.66	99.98	158.7	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:50	276.0	-0.95	1.000	2995.3	17.54	49.88	82.87	99.98	158.8	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:55	276.6	-0.96	1.000	2993.5	17.54	49.87	82.41	99.98	158.8	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:11:00	276.5	-0.97	1.000	2991.8	17.54	49.86	82.24	99.98	158.8	547.5	40.74	567.3	386.9	384.9
12-Oct-15	11:11:05	276.7	-0.98	1.000	2994.8	17.54	49.86	82.24	99.98	158.9	547.5	40.75	567.5	386.9	384.9
12-Oct-15	11:11:10	276.4	-0.99	1.000	2995.0	17.54	49.85	82.13	99.97	158.9	547.5	40.76	567.7	386.9	384.9
12-Oct-15	11:11:15	276.6	-1.00	1.000	2995.4	17.54	49.84	81.87	99.97	159.0	547.6	40.77	567.7	386.9	384.9
12-Oct-15	11:11:20	277.3	-1.01	1.000	2992.1	17.54	49.83	81.61	99.96	159.0	547.6	40.78	567.8	387.0	384.9
12-Oct-15	11:11:25	276.8	-1.01	1.000	2994.2	17.54	49.83	81.93	99.95	159.1	547.6	40.80	567.8	387.0	384.9
12-Oct-15	11:11:30	276.3	-0.66	1.000	2997.2	17.54	49.87	81.87	99.95	159.1	547.6	40.82	567.8	387.0	385.0
12-Oct-15	11:11:35	276.8	-0.23	1.000	3000.6	17.54	49.93	81.70	99.95	159.2	547.6	40.83	567.9	386.9	385.0
12-Oct-15	11:11:40	276.6	0.20	1.000	3002.2	17.53	49.96	81.53	99.95	159.2	547.6	40.84	567.9	387.0	385.0
12-Oct-15	11:11:45	276.5	0.63	1.000	3002.0	17.53	49.99	81.36	99.95	159.2	547.6	40.84	567.9	387.0	385.0
12-Oct-15	11:11:50	278.2	1.03	1.000	2995.5	17.53	49.95	81.15	99.94	159.3	547.6	40.85	568.0	387.0	385.0
12-Oct-15	11:11:55	277.8	1.37	1.000	2992.4	17.53	49.85	81.27	99.94	159.4	547.6	40.85	568.0	387.0	385.0
12-Oct-15	11:12:00	276.7	1.70	1.000	2993.7	17.53	49.85	82.05	99.94	159.4	547.6	40.86	568.0	387.0	385.0
12-Oct-15	11:12:05	276.7	2.03	1.000	2995.0	17.52	49.86	82.36	99.94	159.4	547.6	40.86	568.0	387.0	385.0
12-Oct-15	11:12:10	276.4	2.36	1.000	2996.1	17.52	49.88	82.40	99.94	159.4	547.6	40.87	568.1	387.0	385.1
12-Oct-15	11:12:15	276.9	2.69	1.000	2996.0	17.52	49.94	81.93	99.94	159.4	547.6	40.87	568.1	387.0	385.1
12-Oct-15	11:12:20	277.8	2.74	1.000	2992.5	17.52	49.90	81.55	99.93	159.4	547.6	40.88	568.1	387.0	385.1
12-Oct-15	11:12:25	277.4	1.67	1.000	2993.9	17.52	49.89	81.79	99.93	159.4	547.6	40.88	568.1	387.0	385.1
12-Oct-15	11:12:30	277.1	1.23	1.000	2995.1	17.52	49.89	82.01	99.93	159.4	547.6	40.89	568.1	387.1	385.1
12-Oct-15	11:12:35	277.3	1.71	1.000	2995.7	17.52	49.90	81.62	99.93	159.4	547.6	40.91	568.1	387.1	385.1
12-Oct-15	11:12:40	277.6	2.18	1.000	2992.0	17.52	49.91	81.29	99.93	159.5	547.5	40.94	568.1	387.1	385.1
12-Oct-15	11:12:45	277.8	2.66	1.000	2989.3	17.52	49.91	81.17	99.93	159.6	547.5	40.95	568.1	387.1	385.1
12-Oct-15	11:12:50	277.6	6.23	1.000	2990.8	17.52	49.92	81.26	99.93	159.7	547.5	40.96	568.2	387.1	385.2
12-Oct-15	11:12:55	277.2	6.23	1.000	2992.2	17.52	49.93	81.47	99.93	159.7	547.4	40.97	568.2	387.1	385.2
12-Oct-15	11:13:00	277.4	6.23	1.000	2997.8	17.52	49.94	80.98	99.92	159.8	547.4	40.98	568.3	387.1	385.2
12-Oct-15	11:13:05	277.8	6.23	1.000	2997.2	17.52	49.94	80.74	99.92	159.8	547.3	40.99	568.3	387.2	385.2
12-Oct-15	11:13:10	277.9	6.30	1.000	2995.5	17.53	49.91	81.01	99.92	159.9	547.3	41.00	568.3	387.2	385.2
12-Oct-15	11:13:15	278.3	7.73	1.000	2989.8	17.59	49.88	81.27	99.92	160.0	547.3	41.01	568.4	387.2	385.2
12-Oct-15	11:13:20	277.6	8.45	1.000	2991.0	17.61	49.85	81.54	99.91	160.1	547.2	41.02	568.4	387.2	385.2
12-Oct-15	11:13:25	277.2	9.02	1.000	2995.4	17.61	49.88	81.50	99.91	160.2	547.2	41.03	568.4	387.2	385.3
12-Oct-15	11:13:30	278.0	9.59	1.000	2992.0	17.62	49.90	80.71	99.91	160.2	547.2	41.05	568.4	387.2	385.3
12-Oct-15	11:13:35	277.6	10.15	1.000	2991.7	17.62	49.92	81.56	99.91	160.2	547.2	41.07	568.4	387.2	385.3
12-Oct-15	11:13:40	277.9	10.59	1.000	2995.5	17.63	49.93	81.39	99.91	160.2	547.2	41.09	568.4	387.2	385.3
12-Oct-15	11:13:45	278.3	10.84	1.000	2991.8	17.63	49.93	80.85	99.91	160.2	547.2	41.11	568.4	387.2	385.3
12-Oct-15	11:13:50	277.6	11.08	1.000	2999.5	17.64	49.91	81.78	99.91	160.2	547.2	41.13	568.4	387.2	385.3
12-Oct-15	11:13:55	277.9	11.32	1.000	2999.0	17.64	49.90	81.16	99.91	160.2	547.2	41.13	568.4	387.2	385.3
12-Oct-15	11:14:00	278.2	11.57	1.000	2992.0	17.65	49.89	81.12	99.91	160.2	547.2	41.11	568.4	387.2	385.3
12-Oct-15	11:14:05	278.0	11.81	1.000	2989.7	17.65	49.88	81.56	99.91	160.2	547.2	41.09	568.4	387.2	385.3
12-Oct-15	11:14:10	277.3	12.06	1.000	2992.0	17.66	49.87	82.07	99.91	160.2	547.2	41.07	568.4	387.2	385.3
12-Oct-15	11:14:15	277.4	12.30	1.000	2996.1	17.66	49.87	82.22	99.90	160.2	547.2	41.04	568.4	387.2	385.3
12-Oct-15	11:14:20	277.5	12.33	1.000	2992.0	17.67	49.86	81.87	99.90	160.3	547.2	41.03	568.4	387.3	385.3
12-Oct-15	11:14:25	277.2	11.52	1.000	2993.5	17.67	49.85	82.40	99.90	160.3	547.3	41.02	568.3	387.3	385.3
12-Oct-15	11:14:30	277.2	10.70	1.000	2996.0	17.67	49.85	82.40	99.91	160.3	547.3	41.01	568.3	387.3	385.3
12-Oct-15	11:14:35	277.5	11.15	1.000	2993.9	17.67	49.84	82.09	99.91	160.3	547.3	41.02	568.3	387.3	385.3
12-Oct-15	11:14:40	277.5	11.90	1.000	2988.9	17.67	49.83	82.78	99.91	160.3	547.2	40.97	568.3	387.3	385.4
12-Oct-15	11:14:45	277.3	12.50	1.000	2989.4	17.67	49.83	83.14	99.92	160.3	547.1	40.93	568.2	387.3	385.4
12-Oct-15	11:14:50	276.4	10.37	1.000	2991.7	17.66	49.85	83.48	99.92	160.2	547.1	40.94	568.2	387.3	385.4
12-Oct-15	11:14:55	276.6	10.35	1.000	2995.5	17.66	49.87	83.70	99.93	160.2	547.0	40.94	568.2	387.3	385.4
12-Oct-15	11:15:00	276.7	10.33	1.000	2992.1	17.66	49.87	83.91	99.93	160.2	547.0	40.94	568.1	387.3	385.4
12-Oct-15	11:15:05	277.3	10.31	1.000	2995.5	17.66	49.86	84.12	99.94	160.2	547.0	40.94	568.1	387.3	385.4
12-Oct-15	11:15:10	276.8	10.30	1.000	2993.5	17.66	49.85	84.34	99.94	160.2	546.9	40.95	568.1	387.3	385.4
12-Oct-15	11:15:15	276.8	10.28	1.000	2994.3	17.66	49.84	84.32	99.95	160.2	546.9	40.95	568.1	387.3	385.4
12-Oct-15	11:15:20	277.4	10.26	1.000	2991.2	17.66	49.83	83.64	99.95	160.1	546.8	40.95	568.1	387.3	385.4
12-Oct-15	11:15:25	277.0	10.24	1.000	2991.2	17.66	49.84	84.10	99.95	160.1	546.8	40.95	568.1	387.3	385.4
12-Oct-15	11:15:30	276.7	10.22	1.000	2990.9	17.66	49.86	84.51	99.95	160.1	546.8	40.96	568.1	387.3	385.4
12-Oct-15	11:15:35	277.0	10.20	1.000	2992.0	17.66	49.88	84.27	99.95	160.1	546.8	40.96	568.1	387.3	385.5
12-Oct-15	11:15:40	276.9	10.19	1.000	2991.8	17.66	49.87	84.21	99.95	160.1	546.8	40.96	568.1	387.4	385.5
12-Oct-15	11:15:45	276.8	10.17	1.000	2993.9	17.66	49.8								

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power MVar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:19:40	277.3	12.56	1.000	2995.2	17.67	49.87	82.84	99.92	160.0	545.9	41.08	568.6	387.4	385.6
12-Oct-15	11:19:45	277.8	12.56	1.000	2995.7	17.67	49.87	82.21	99.92	160.0	545.8	41.07	568.6	387.4	385.6
12-Oct-15	11:19:50	277.8	12.51	1.000	2991.5	17.67	49.85	81.77	99.92	160.0	545.8	41.07	568.6	387.4	385.6
12-Oct-15	11:19:55	278.0	12.45	1.000	2991.6	17.67	49.83	82.22	99.92	160.0	545.8	41.06	568.6	387.4	385.6
12-Oct-15	11:20:00	277.4	12.39	1.000	2991.2	17.67	49.83	82.38	99.92	160.0	545.7	41.06	568.6	387.4	385.6
12-Oct-15	11:20:05	277.8	12.32	1.000	2990.9	17.67	49.84	82.54	99.92	160.0	545.7	41.05	568.6	387.4	385.6
12-Oct-15	11:20:10	277.5	12.20	1.000	2991.4	17.67	49.85	82.71	99.92	160.0	545.7	41.05	568.7	387.4	385.6
12-Oct-15	11:20:15	277.2	11.98	1.000	2988.9	17.67	49.86	82.87	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:20	276.9	11.76	1.000	2985.5	17.67	49.87	83.03	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:25	277.2	11.54	1.000	2995.3	17.67	49.89	82.66	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:30	277.7	11.32	1.000	2998.8	17.67	49.92	82.01	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:35	278.2	11.10	1.000	2988.1	17.67	49.90	81.84	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:40	278.3	10.88	1.000	2986.4	17.67	49.80	82.08	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:45	277.5	10.66	1.000	2988.1	17.67	49.79	82.62	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:50	276.9	10.44	1.000	2995.7	17.67	49.84	82.87	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:55	277.3	10.27	1.000	2995.5	17.67	49.89	82.42	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:21:00	277.1	10.27	1.000	2992.0	17.67	49.91	82.58	99.92	160.0	545.6	41.04	568.6	387.4	385.6
12-Oct-15	11:21:05	277.3	10.27	1.000	2999.4	17.66	49.91	82.58	99.92	160.0	545.6	41.05	568.6	387.4	385.6
12-Oct-15	11:21:10	278.3	10.27	1.000	2992.0	17.66	49.89	81.75	99.92	160.0	545.6	41.06	568.5	387.4	385.7
12-Oct-15	11:21:15	277.9	10.27	1.000	2991.1	17.66	49.86	82.00	99.92	160.0	545.6	41.06	568.5	387.4	385.7
12-Oct-15	11:21:20	277.7	10.27	1.000	2992.4	17.66	49.83	82.25	99.92	160.0	545.6	41.06	568.5	387.4	385.7
12-Oct-15	11:21:25	277.5	10.27	1.000	2993.7	17.66	49.82	82.51	99.92	160.0	545.6	41.06	568.4	387.4	385.7
12-Oct-15	11:21:30	277.1	10.22	1.000	2995.0	17.66	49.84	82.84	99.92	160.0	545.6	41.05	568.4	387.4	385.7
12-Oct-15	11:21:35	276.7	10.16	1.000	2996.0	17.66	49.87	83.18	99.92	160.0	545.6	41.05	568.4	387.4	385.7
12-Oct-15	11:21:40	277.1	10.10	1.000	2998.7	17.66	49.92	82.64	99.93	160.0	545.6	41.04	568.4	387.4	385.7
12-Oct-15	11:21:45	277.4	10.04	1.000	2997.7	17.66	49.91	82.23	99.93	160.0	545.6	41.04	568.3	387.4	385.7
12-Oct-15	11:21:50	277.6	9.99	1.000	2996.6	17.66	49.90	82.03	99.93	160.0	545.5	41.03	568.3	387.4	385.6
12-Oct-15	11:21:55	277.8	9.93	1.000	2992.8	17.66	49.89	81.92	99.93	160.0	545.5	41.03	568.3	387.4	385.7
12-Oct-15	11:22:00	277.8	10.35	1.000	2995.1	17.66	49.88	81.82	99.93	159.9	545.5	41.02	568.3	387.4	385.6
12-Oct-15	11:22:05	277.4	10.76	1.000	2995.0	17.66	49.87	82.04	99.93	159.9	545.5	41.02	568.2	387.4	385.7
12-Oct-15	11:22:10	277.4	11.18	1.000	2992.0	17.66	49.86	82.13	99.94	159.9	545.5	41.02	568.2	387.4	385.6
12-Oct-15	11:22:15	277.6	11.59	1.000	2995.4	17.66	49.86	81.94	99.94	159.9	545.4	41.02	568.2	387.4	385.7
12-Oct-15	11:22:20	277.6	11.59	1.000	2992.2	17.66	49.85	81.87	99.94	159.9	545.4	41.02	568.2	387.4	385.6
12-Oct-15	11:22:25	277.3	10.03	1.000	2995.0	17.66	49.84	82.24	99.94	159.9	545.4	41.02	568.2	387.4	385.7
12-Oct-15	11:22:30	277.3	10.72	1.000	2994.6	17.66	49.84	82.14	99.94	159.9	545.4	41.02	568.2	387.4	385.6
12-Oct-15	11:22:35	277.0	11.41	1.000	2994.7	17.66	49.83	81.95	99.94	159.9	545.4	41.02	568.2	387.4	385.7
12-Oct-15	11:22:40	277.5	11.82	1.000	2987.8	17.66	49.83	81.79	99.94	159.9	545.4	41.02	568.2	387.4	385.6
12-Oct-15	11:22:45	277.3	11.16	1.000	2987.8	17.66	49.82	81.79	99.94	159.9	545.4	41.02	568.1	387.4	385.6
12-Oct-15	11:22:50	276.9	10.51	1.000	2994.1	17.66	49.84	81.79	99.94	159.9	545.4	41.02	567.9	387.4	385.6
12-Oct-15	11:22:55	276.3	9.99	1.000	2988.2	17.66	49.85	83.82	99.94	159.9	545.4	41.02	567.8	387.4	385.6
12-Oct-15	11:23:00	277.0	9.99	1.000	2992.1	17.66	49.87	82.41	99.94	159.9	545.4	41.02	567.7	387.4	385.6
12-Oct-15	11:23:05	277.5	9.99	1.000	2988.8	17.66	49.87	81.70	99.94	159.8	545.4	41.02	567.6	387.4	385.6
12-Oct-15	11:23:10	276.7	10.28	1.000	2991.8	17.66	49.88	82.95	99.94	159.8	545.4	41.02	567.5	387.4	385.6
12-Oct-15	11:23:15	277.1	10.64	1.000	2991.8	17.66	49.89	82.32	99.93	159.8	545.3	41.01	567.4	387.4	385.6
12-Oct-15	11:23:20	277.3	10.99	1.000	2991.8	17.66	49.91	82.11	99.93	159.8	545.3	41.01	567.4	387.4	385.6
12-Oct-15	11:23:25	277.5	11.35	1.000	2995.5	17.66	49.92	81.90	99.93	159.8	545.3	41.01	567.4	387.4	385.6
12-Oct-15	11:23:30	277.7	11.71	1.000	2999.0	17.67	49.91	81.69	99.93	159.8	545.3	41.01	567.3	387.4	385.6
12-Oct-15	11:23:35	278.0	12.06	1.000	2991.1	17.67	49.88	81.48	99.93	159.8	545.3	41.00	567.3	387.4	385.6
12-Oct-15	11:23:40	277.5	10.59	1.000	2989.0	17.67	49.82	82.11	99.93	159.8	545.3	41.00	567.2	387.4	385.6
12-Oct-15	11:23:45	276.9	10.24	1.000	2989.7	17.67	49.84	82.62	99.92	159.8	545.3	41.00	567.2	387.4	385.6
12-Oct-15	11:23:50	276.7	10.25	1.000	2987.9	17.67	49.85	82.82	99.92	159.8	545.3	40.99	567.2	387.4	385.6
12-Oct-15	11:23:55	276.7	10.26	1.000	2992.1	17.67	49.87	83.00	99.92	159.8	545.3	40.99	567.1	387.4	385.6
12-Oct-15	11:24:00	276.7	10.27	1.000	2995.3	17.67	49.87	82.48	99.92	159.8	545.3	40.99	567.1	387.4	385.6
12-Oct-15	11:24:05	277.1	10.28	1.000	2991.7	17.67	49.87	82.48	99.91	159.8	545.3	40.98	567.1	387.4	385.6
12-Oct-15	11:24:10	276.8	10.30	1.000	2993.5	17.67	49.87	82.48	99.91	159.8	545.3	40.98	567.0	387.4	385.6
12-Oct-15	11:24:15	277.1	10.31	1.000	2989.0	17.67	49.87	82.48	99.91	159.8	545.3	40.98	567.0	387.4	385.6
12-Oct-15	11:24:20	276.9	10.32	1.000	2994.4	17.67	49.87	82.48	99.90	159.8	545.4	40.99	567.0	387.4	385.6
12-Oct-15	11:24:25	277.6	10.33	1.000	2994.3	17.67	49.87	82.48	99.90	159.8	545.4	40.99	567.0	387.4	385.6
12-Oct-15	11:24:30	277.0	10.24	1.000	2994.8	17.67	49.87	82.56	99.90	159.7	545.5	40.99	567.0	387.4	385.6
12-Oct-15	11:24:35	277.0	10.36	1.000	2992.3	17.67	49.87	82.75	99.90	159.7	545.5	40.99	567.0	387.4	385.6
12-Oct-15	11:24:40	276.4	10.37	1.000	2995.2	17.67	49.87	82.93	99.90	159.7	545.6	40.99	567.0	387.4	385.6
12-Oct-15	11:24:45	277.1	10.37	1.000	2994.0	17.67	49.87	82.44	99.90	159.7	545.6	40.99	567.0	387.4	385.6
12-Oct-15	11:24:50	277.0	10.33	1.000	2998.2	17.66	49.91	82.71	99.90	159.7	545.6	40.99	567.0	387.4	385.6
12-Oct-15	11:24:55	277.2	10.27	1.000	2998.5	17.66	49.91	82.50	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:00	277.2	10.22	1.000	2998.2	17.66	49.90	82.12	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:05	277.0	10.16	1.000	2992.8	17.66	49.89	81.92	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:10	277.0	10.11	1.000	2995.4	17.66	49.88	81.72	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:15	277.4	10.05	1.000	2991.9	17.65	49.87	81.52	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:20	277.0	9.99	1.000	2994.5	17.65	49.88	81.97	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:25	276.4	9.94	1.000	2993.6	17.65	49.80	82.85	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:30	276.7	9.88	1.000	3000.4	17.65	49.93	82.66	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:35	277.0	9.82												



Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:29:30	277.0	9.65	0.999	3001.7	17.65	50.01	84.95	99.92	159.3	545.3	41.08	567.2	387.3	385.9
12-Oct-15	11:29:35	276.7	9.58	0.999	3003.3	17.65	50.02	84.80	99.92	159.3	545.3	41.07	567.2	387.3	385.8
12-Oct-15	11:29:40	276.7	9.53	0.999	3001.2	17.65	50.02	84.64	99.92	159.3	545.2	41.06	567.1	387.4	385.9
12-Oct-15	11:29:45	276.5	9.53	0.999	3006.4	17.65	50.02	84.31	99.92	159.3	545.2	41.06	567.1	387.4	385.9
12-Oct-15	11:29:50	277.7	9.58	0.999	3001.7	17.66	49.99	83.96	99.92	159.3	545.1	41.05	567.1	387.4	385.9
12-Oct-15	11:29:55	277.6	9.63	0.999	2992.8	17.66	49.93	83.99	99.92	159.3	545.1	41.05	567.1	387.4	385.9
12-Oct-15	11:30:00	276.8	9.68	0.999	2995.3	17.66	49.93	84.39	99.92	159.3	545.0	41.04	567.1	387.4	385.9
12-Oct-15	11:30:05	276.7	9.74	0.999	2999.4	17.66	49.94	84.70	99.92	159.3	545.0	41.04	567.1	387.4	385.9
12-Oct-15	11:30:10	276.6	9.79	0.999	2992.1	17.66	49.95	84.56	99.92	159.3	544.9	41.04	567.1	387.4	386.0
12-Oct-15	11:30:15	276.4	9.85	0.999	2996.1	17.66	49.96	84.97	99.92	159.3	544.9	41.04	567.1	387.4	386.0
12-Oct-15	11:30:20	276.6	9.90	0.999	2999.7	17.66	49.97	84.80	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:25	276.8	9.96	0.999	3001.0	17.66	50.00	84.64	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:30	276.7	10.01	0.999	3001.3	17.66	50.02	84.48	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:35	276.6	10.06	0.999	3003.4	17.66	50.03	84.42	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:40	276.8	10.02	0.999	3003.2	17.66	50.04	84.69	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:45	277.1	9.62	0.999	3000.6	17.66	50.04	84.31	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:50	276.7	9.22	0.999	3000.4	17.66	50.05	84.45	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:55	276.6	8.82	0.999	2999.9	17.66	50.06	84.58	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:31:00	276.5	8.42	0.999	2999.7	17.66	50.06	84.73	99.92	159.3	544.7	41.03	567.1	387.4	386.0
12-Oct-15	11:31:05	276.7	8.42	0.999	3004.9	17.66	50.07	84.78	99.92	159.2	544.6	41.02	566.9	387.4	386.0
12-Oct-15	11:31:10	277.2	8.97	0.999	3000.7	17.66	50.06	84.17	99.93	159.2	544.5	41.01	566.7	387.4	386.1
12-Oct-15	11:31:15	277.0	9.53	0.999	3000.0	17.66	50.05	83.89	99.93	159.2	544.4	41.01	566.5	387.4	386.1
12-Oct-15	11:31:20	277.2	10.09	0.999	2999.7	17.65	50.03	83.60	99.94	159.2	544.3	41.00	566.5	387.4	386.1
12-Oct-15	11:31:25	277.2	10.09	0.999	2999.8	17.65	50.02	83.31	99.95	159.2	544.2	41.00	566.4	387.4	386.1
12-Oct-15	11:31:30	276.9	10.24	0.999	2996.8	17.65	49.97	83.87	99.95	159.2	544.2	40.99	566.4	387.4	386.1
12-Oct-15	11:31:35	276.5	10.43	0.999	3001.4	17.67	49.96	84.21	99.95	159.3	544.2	40.99	566.3	387.4	386.1
12-Oct-15	11:31:40	276.9	10.62	0.999	3001.9	17.67	49.95	84.07	99.95	159.3	544.2	40.98	566.3	387.4	386.1
12-Oct-15	11:31:45	277.2	10.81	0.999	2998.6	17.68	49.95	83.93	99.95	159.3	544.2	40.98	566.2	387.4	386.1
12-Oct-15	11:31:50	276.9	11.00	0.999	2999.4	17.69	49.94	83.79	99.95	159.3	544.2	40.97	566.2	387.4	386.1
12-Oct-15	11:31:55	276.6	11.19	0.999	3000.0	17.69	49.94	83.65	99.95	159.3	544.2	40.97	566.1	387.4	386.1
12-Oct-15	11:32:00	277.3	11.38	0.999	2999.0	17.70	49.93	83.51	99.95	159.3	544.2	40.97	566.1	387.4	386.1
12-Oct-15	11:32:05	277.0	11.57	0.999	2997.1	17.71	49.92	83.37	99.95	159.4	544.2	40.97	566.1	387.4	386.1
12-Oct-15	11:32:10	277.5	11.76	0.999	2995.6	17.71	49.92	83.44	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:15	276.8	11.94	0.999	2999.5	17.72	49.94	84.26	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:20	276.1	12.13	0.999	3000.7	17.73	50.00	85.14	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:25	276.8	12.13	0.999	3004.9	17.73	50.07	84.50	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:30	277.3	12.13	0.999	3003.5	17.73	50.06	83.97	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:35	277.6	12.13	0.999	3000.1	17.73	50.04	83.47	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:40	277.6	12.13	0.999	2998.7	17.73	50.02	83.72	99.96	159.6	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:45	276.9	12.13	0.999	3001.3	17.73	50.03	84.33	99.96	159.5	544.3	40.99	566.0	387.4	386.1
12-Oct-15	11:32:50	277.3	12.13	0.999	3002.0	17.73	50.04	84.13	99.96	159.5	544.3	41.01	566.0	387.4	386.1
12-Oct-15	11:32:55	277.3	12.13	0.999	3000.9	17.73	50.05	83.72	99.95	159.5	544.4	41.02	566.0	387.4	386.1
12-Oct-15	11:33:00	276.8	12.13	0.999	3005.0	17.73	50.06	84.14	99.95	159.5	544.4	41.02	566.0	387.4	386.1
12-Oct-15	11:33:05	277.2	12.13	0.999	3003.8	17.73	50.07	84.01	99.95	159.5	544.4	41.02	566.1	387.4	386.1
12-Oct-15	11:33:10	277.4	12.29	0.999	3004.2	17.71	50.06	83.70	99.95	159.4	544.5	41.01	566.1	387.4	386.1
12-Oct-15	11:33:15	277.7	12.49	0.999	3000.8	17.70	50.03	83.39	99.94	159.4	544.5	41.01	566.1	387.4	386.1
12-Oct-15	11:33:20	277.6	12.68	0.999	2997.5	17.68	49.97	83.71	99.94	159.4	544.6	41.01	566.1	387.4	386.1
12-Oct-15	11:33:25	276.5	12.41	0.999	2999.7	17.68	50.00	84.43	99.94	159.4	544.6	41.01	566.1	387.4	386.1
12-Oct-15	11:33:30	276.5	12.14	0.999	3007.5	17.68	50.05	84.49	99.94	159.4	544.6	41.01	566.1	387.4	386.1
12-Oct-15	11:33:35	277.1	11.87	0.999	3007.1	17.68	50.08	83.81	99.94	159.4	544.6	41.00	566.1	387.4	386.1
12-Oct-15	11:33:40	276.9	11.60	0.999	3007.5	17.68	50.10	83.88	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:33:45	277.2	11.32	0.999	3005.7	17.68	50.11	84.10	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:33:50	277.9	11.05	0.999	3002.1	17.69	50.09	83.24	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:33:55	277.6	10.78	0.999	3001.3	17.69	50.02	83.48	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:00	276.7	10.73	0.999	3002.1	17.69	50.03	84.29	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:05	277.1	10.73	0.999	3004.9	17.69	50.04	83.70	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:10	277.5	10.73	0.999	3003.7	17.69	50.05	83.55	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:15	276.9	10.73	0.999	3005.6	17.69	50.06	83.85	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:20	276.9	10.73	0.999	3009.7	17.70	50.07	84.16	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:25	277.1	10.73	0.999	3011.4	17.70	50.12	84.38	99.94	159.4	544.3	41.00	566.2	387.4	386.1
12-Oct-15	11:34:30	277.7	10.73	0.999	3009.3	17.70	50.11	82.93	99.89	159.5	544.2	40.99	566.3	387.4	386.1
12-Oct-15	11:34:35	277.2	10.73	0.999	3007.5	17.70	50.10	83.55	99.90	159.5	544.2	40.99	566.3	387.4	386.1
12-Oct-15	11:34:40	277.4	10.73	0.999	3006.9	17.70	50.08	83.46	99.90	159.5	544.3	40.99	566.3	387.4	386.1
12-Oct-15	11:34:45	277.3	10.73	0.999	3004.0	17.70	50.07	83.37	99.91	159.6	544.3	40.99	566.3	387.4	386.1
12-Oct-15	11:34:50	276.7	10.97	0.999	3007.4	17.70	50.09	83.95	99.91	159.6	544.3	40.99	566.3	387.4	386.1
12-Oct-15	11:34:55	276.9	11.25	0.999	3010.0	17.70	50.11	83.71	99.91	159.6	544.4	41.00	566.4	387.4	386.1
12-Oct-15	11:35:00	276.6	11.15	0.999	3010.2	17.70	50.12	83.35	99.92	159.7	544.4	41.00	566.4	387.4	386.1
12-Oct-15	11:35:05	277.6	11.05	0.999	3008.3	17.70	50.11	83.00	99.92	159.7	544.4	41.01	566.4	387.4	386.1
12-Oct-15	11:35:10	277.4	10.95	0.999	3008.9	17.70	50.10	83.09	99.93	159.7	544.5	41.02	566.4	387.4	386.1
12-Oct-15	11:35:15	277.1	10.85	0.999	3011.0	17.70	50.10	83.26	99.93	159.8	544.5	41.03	566.4	387.4	386.1
12-Oct-15	11:35:20	276.9	10.75	0.999	3011.3	17.70	50.09	82.90	99.94	159.8	544.5	41.04	566.4	387.4	386.1
12-Oct-15	11:35:25	278.1													

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:39:20	278.1	13.43	0.999	3010.2	17.70	50.16	83.15	99.95	160.4	543.6	41.20	566.7	387.7	386.4
12-Oct-15	11:39:25	278.4	13.43	0.999	3005.6	17.70	50.14	83.15	99.95	160.4	543.2	41.19	566.6	387.7	386.5
12-Oct-15	11:39:30	278.6	13.43	0.999	3001.2	17.70	50.09	82.86	99.96	160.4	543.0	41.18	566.6	387.7	386.4
12-Oct-15	11:39:35	277.9	13.43	0.999	2999.7	17.70	50.08	83.35	99.97	160.4	543.0	41.17	566.6	387.7	386.4
12-Oct-15	11:39:40	278.0	13.43	0.999	3000.3	17.70	50.10	83.91	99.96	160.4	543.0	41.16	566.6	387.7	386.5
12-Oct-15	11:39:45	276.7	13.43	0.999	3011.9	17.70	50.12	84.44	99.96	160.4	543.0	41.15	566.5	387.7	386.5
12-Oct-15	11:39:50	276.9	14.78	0.999	3015.5	17.69	50.23	84.10	99.96	160.4	543.0	41.15	566.5	387.7	386.5
12-Oct-15	11:39:55	278.8	14.65	0.999	3007.8	17.69	50.19	82.55	99.95	160.4	543.0	41.15	566.5	387.7	386.5
12-Oct-15	11:40:00	278.2	13.26	0.999	3000.1	17.69	50.07	82.90	99.95	160.4	543.1	41.15	566.5	387.7	386.5
12-Oct-15	11:40:05	277.6	11.48	0.999	3005.8	17.68	50.08	83.40	99.95	160.3	543.1	41.14	566.4	387.7	386.4
12-Oct-15	11:40:10	277.9	11.85	0.999	3007.4	17.68	50.08	83.53	99.94	160.3	543.1	41.14	566.4	387.7	386.5
12-Oct-15	11:40:15	278.0	12.21	0.999	3005.5	17.67	50.09	83.67	99.94	160.3	543.1	41.14	566.4	387.7	386.5
12-Oct-15	11:40:20	277.4	12.58	0.999	3007.8	17.67	50.10	83.80	99.94	160.3	543.1	41.14	566.4	387.7	386.5
12-Oct-15	11:40:25	278.2	12.95	0.999	3008.4	17.67	50.10	83.94	99.93	160.2	543.1	41.13	566.4	387.7	386.4
12-Oct-15	11:40:30	277.6	13.13	0.999	3008.9	17.67	50.11	84.07	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:40:35	277.2	12.63	0.999	3009.7	17.67	50.12	84.20	99.93	160.2	543.1	41.13	566.4	387.7	386.4
12-Oct-15	11:40:40	277.3	12.13	0.999	3007.6	17.67	50.12	83.93	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:40:45	277.6	11.64	0.999	3007.9	17.67	50.11	83.98	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:40:50	277.0	11.17	0.999	3010.8	17.67	50.10	84.18	99.93	160.2	543.1	41.13	566.4	387.7	386.4
12-Oct-15	11:40:55	277.3	12.25	0.999	3008.3	17.67	50.09	83.58	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:41:00	278.0	13.10	0.999	3005.0	17.67	50.08	83.65	99.93	160.2	543.1	41.12	566.4	387.7	386.5
12-Oct-15	11:41:05	277.5	13.10	0.999	3007.6	17.67	50.07	84.19	99.93	160.1	543.1	41.11	566.3	387.7	386.5
12-Oct-15	11:41:10	276.7	13.10	0.999	3009.0	17.67	50.10	84.25	99.93	160.0	543.0	41.11	566.3	387.7	386.5
12-Oct-15	11:41:15	277.2	13.10	0.999	3011.1	17.67	50.12	83.91	99.92	160.0	543.0	41.10	566.3	387.7	386.5
12-Oct-15	11:41:20	277.4	13.10	0.999	3010.6	17.67	50.12	83.77	99.91	159.9	543.0	41.09	566.3	387.7	386.5
12-Oct-15	11:41:25	277.4	13.10	0.999	3006.8	17.66	50.12	83.54	99.90	159.9	542.9	41.08	566.3	387.7	386.5
12-Oct-15	11:41:30	277.0	12.50	0.999	3007.5	17.66	50.11	83.89	99.89	159.8	542.9	41.07	566.3	387.7	386.5
12-Oct-15	11:41:35	276.7	11.77	0.999	3006.8	17.66	50.10	84.32	99.89	159.8	542.8	41.07	566.3	387.7	386.5
12-Oct-15	11:41:40	276.4	11.28	0.999	3009.6	17.66	50.09	84.61	99.90	159.7	542.8	41.06	566.2	387.7	386.5
12-Oct-15	11:41:45	276.9	11.67	0.999	3005.4	17.66	50.08	84.87	99.90	159.7	542.8	41.06	566.2	387.7	386.5
12-Oct-15	11:41:50	276.5	12.06	0.999	3001.3	17.66	50.07	85.13	99.91	159.6	542.7	41.06	566.2	387.7	386.5
12-Oct-15	11:41:55	276.0	12.45	0.999	3007.2	17.65	50.06	85.38	99.91	159.6	542.7	41.05	566.2	387.7	386.5
12-Oct-15	11:42:00	276.3	12.85	0.999	3007.1	17.65	50.05	85.38	99.92	159.6	542.6	41.05	566.2	387.7	386.5
12-Oct-15	11:42:05	276.3	13.07	0.999	3002.3	17.65	50.04	85.32	99.92	159.5	542.6	41.04	566.2	387.7	386.5
12-Oct-15	11:42:10	275.8	12.67	0.999	3003.9	17.65	50.04	85.87	99.93	159.5	542.5	41.04	566.2	387.7	386.5
12-Oct-15	11:42:15	276.3	12.27	0.999	3004.2	17.65	50.03	85.46	99.93	159.5	542.5	41.03	566.2	387.7	386.5
12-Oct-15	11:42:20	276.9	11.87	0.999	2999.5	17.65	50.02	85.05	99.93	159.5	542.4	41.03	566.2	387.7	386.5
12-Oct-15	11:42:25	276.9	11.48	0.999	2998.3	17.64	49.98	85.51	99.94	159.4	542.4	41.03	566.2	387.7	386.5
12-Oct-15	11:42:30	275.8	11.08	0.999	2999.8	17.64	50.00	86.40	99.94	159.4	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:35	275.2	10.74	0.999	3007.1	17.64	50.06	86.92	99.94	159.4	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:40	276.4	10.40	0.999	3010.9	17.64	50.12	86.46	99.94	159.4	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:45	276.7	10.05	0.999	3003.6	17.64	50.09	86.02	99.94	159.2	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:50	276.4	9.71	0.999	3001.7	17.64	50.06	86.21	99.94	159.2	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:55	276.2	9.37	0.999	2997.6	17.64	50.02	86.65	99.94	159.2	542.4	41.01	566.2	387.7	386.5
12-Oct-15	11:43:00	275.7	9.17	0.999	2999.9	17.64	50.02	87.11	99.94	159.1	542.4	41.01	566.2	387.7	386.5
12-Oct-15	11:43:05	275.4	9.17	0.999	3000.0	17.64	50.02	87.44	99.94	159.1	542.5	41.01	566.2	387.7	386.5
12-Oct-15	11:43:10	276.2	10.00	0.999	2999.8	17.65	50.00	86.99	99.94	159.1	542.5	41.00	566.2	387.7	386.5
12-Oct-15	11:43:15	276.4	11.01	0.999	2996.6	17.65	49.98	86.76	99.94	159.1	542.5	41.00	566.2	387.7	386.5
12-Oct-15	11:43:20	276.3	11.19	0.999	2996.0	17.66	49.96	86.81	99.94	159.1	542.5	41.00	566.2	387.7	386.4
12-Oct-15	11:43:25	275.6	11.19	0.999	2998.7	17.66	49.95	87.12	99.94	159.0	542.6	41.00	566.2	387.7	386.4
12-Oct-15	11:43:30	275.9	11.20	0.999	2999.4	17.66	49.94	87.04	99.94	159.0	542.6	40.99	566.2	387.7	386.4
12-Oct-15	11:43:35	276.1	11.20	0.999	2999.1	17.66	49.94	86.96	99.94	159.0	542.6	40.98	566.2	387.7	386.4
12-Oct-15	11:43:40	276.2	11.20	0.999	2996.8	17.66	49.93	86.88	99.94	158.9	542.6	40.97	566.2	387.7	386.5
12-Oct-15	11:43:45	276.2	11.20	0.999	2995.3	17.66	49.92	86.80	99.94	158.9	542.6	40.97	566.2	387.7	386.5
12-Oct-15	11:43:50	276.2	11.21	0.999	2992.4	17.66	49.91	86.73	99.94	158.9	542.6	40.96	566.2	387.7	386.5
12-Oct-15	11:43:55	276.3	11.21	0.999	2993.1	17.66	49.86	86.66	99.94	158.8	542.6	40.95	566.2	387.7	386.4
12-Oct-15	11:44:00	275.7	11.21	0.999	2995.3	17.66	49.87	87.10	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:05	275.4	11.21	0.999	2995.7	17.66	49.88	87.17	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:10	275.7	11.22	0.999	2993.1	17.67	49.90	87.17	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:15	275.9	11.22	0.999	2992.6	17.67	49.91	87.17	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:20	275.8	11.22	0.999	2992.1	17.67	49.91	87.17	99.94	158.7	542.6	40.93	566.2	387.7	386.4
12-Oct-15	11:44:25	275.7	11.22	0.999	2995.5	17.67	49.91	87.17	99.94	158.6	542.8	40.89	566.2	387.7	386.4
12-Oct-15	11:44:30	275.6	11.22	0.999	2993.4	17.67	49.91	87.16	99.95	158.6	543.0	40.88	566.2	387.7	386.4
12-Oct-15	11:44:35	275.4	11.22	0.999	2992.4	17.67	49.91	87.13	99.96	158.6	543.0	40.87	566.2	387.7	386.4
12-Oct-15	11:44:40	275.4	11.22	0.999	2995.6	17.67	49.91	87.10	99.96	158.6	543.0	40.86	566.2	387.7	386.4
12-Oct-15	11:44:45	275.3	11.22	0.999	2996.2	17.67	49.91	87.06	99.95	158.6	543.1	40.85	566.2	387.7	386.4
12-Oct-15	11:44:50	275.3	11.06	0.999	2998.4	17.67	49.90	87.03	99.95	158.5	543.1	40.84	566.2	387.7	386.4
12-Oct-15	11:44:55	275.7	10.87	0.999	2996.9	17.67	49.89	87.00	99.95	158.5	543.1	40.84	566.2	387.7	386.4
12-Oct-15	11:45:00	275.5	10.67	0.999	2995.5	17.67	49.89	86.97	99.95	158.5	543.2	40.84	566.2	387.7	386.4
12-Oct-15	11:45:05	276.1	10.48	0.999	2995.7	17.67	49.88	85.90	99.95	158.5	543.2	40.83	566.2	387.7	386.4
12-Oct-15	11:45:10	276.2	10.28	0.999	2995.5	17.66	49.87	86.13	99.95	158.5	543.3	40.83	566.2	387.7	386.4
12-Oct-15	11:45:1														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:49:10	276.3	10.73	0.999	2993.1	17.67	49.93	83.25	99.92	159.0	544.8	40.83	567.9	387.7	386.3
12-Oct-15	11:49:15	276.1	10.66	0.999	2997.3	17.67	49.95	83.35	99.92	159.0	544.8	40.84	567.9	387.7	386.3
12-Oct-15	11:49:20	276.5	10.63	0.999	2997.2	17.67	49.97	83.25	99.92	159.0	544.9	40.85	567.9	387.7	386.3
12-Oct-15	11:49:25	277.0	10.63	0.999	2998.5	17.67	49.97	83.02	99.92	159.1	545.1	40.86	568.0	387.7	386.2
12-Oct-15	11:49:30	277.1	10.63	0.999	2999.0	17.67	49.97	82.49	99.91	159.2	545.3	40.87	568.0	387.7	386.3
12-Oct-15	11:49:35	276.9	10.63	0.999	2997.5	17.67	49.97	82.73	99.90	159.2	545.4	40.89	568.0	387.7	386.3
12-Oct-15	11:49:40	276.7	10.63	0.999	2998.9	17.67	49.97	82.86	99.90	159.3	545.4	40.90	568.0	387.7	386.3
12-Oct-15	11:49:45	276.6	10.63	0.999	3002.2	17.67	49.97	82.75	99.90	159.3	545.4	40.91	568.1	387.7	386.3
12-Oct-15	11:49:50	276.9	10.78	0.999	2999.1	17.67	49.95	82.51	99.90	159.3	545.4	40.92	568.1	387.7	386.3
12-Oct-15	11:49:55	276.9	10.95	0.999	2999.3	17.67	49.93	82.47	99.90	159.3	545.5	40.92	568.1	387.7	386.3
12-Oct-15	11:50:00	277.2	11.13	0.999	2995.6	17.67	49.92	82.65	99.90	159.4	545.5	40.93	568.1	387.7	386.3
12-Oct-15	11:50:05	276.7	11.31	0.999	2996.0	17.67	49.92	82.83	99.90	159.4	545.5	40.94	568.2	387.7	386.3
12-Oct-15	11:50:10	277.4	11.49	0.999	2999.3	17.66	49.93	82.35	99.91	159.4	545.5	40.96	568.2	387.7	386.3
12-Oct-15	11:50:15	277.7	11.67	0.999	2993.2	17.66	49.94	82.43	99.91	159.4	545.5	40.99	568.2	387.7	386.3
12-Oct-15	11:50:20	277.2	10.70	0.999	2993.4	17.66	49.95	82.52	99.91	159.5	545.6	41.00	568.2	387.7	386.3
12-Oct-15	11:50:25	277.1	9.88	0.999	2995.9	17.66	49.95	82.61	99.91	159.5	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:30	277.3	10.28	0.999	2996.8	17.66	49.96	82.79	99.91	159.5	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:35	277.0	10.68	0.999	3001.2	17.66	49.99	83.09	99.91	159.5	545.6	41.00	568.2	387.7	386.3
12-Oct-15	11:50:40	276.2	11.08	0.999	3004.2	17.66	50.05	83.26	99.91	159.5	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:45	277.6	11.48	0.999	3003.2	17.66	50.05	81.97	99.91	159.6	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:50	278.2	10.57	0.999	2997.9	17.67	49.99	81.12	99.91	159.6	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:55	278.8	7.99	0.999	2995.4	17.67	49.92	81.57	99.91	159.6	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:51:00	276.9	9.89	0.999	2999.3	17.67	49.94	82.36	99.91	159.6	545.6	41.00	568.3	387.8	386.3
12-Oct-15	11:51:05	276.2	11.79	0.999	3000.2	17.67	49.96	82.52	99.91	159.7	545.5	41.03	568.3	387.8	386.3
12-Oct-15	11:51:10	276.6	12.13	0.999	3007.5	17.67	50.02	82.27	99.91	159.7	545.4	41.05	568.4	387.8	386.3
12-Oct-15	11:51:15	277.5	12.13	0.999	3006.5	17.67	50.02	81.69	99.92	159.8	545.4	41.06	568.5	387.8	386.3
12-Oct-15	11:51:20	277.8	12.13	0.999	3002.1	17.67	50.02	81.30	99.92	159.8	545.3	41.07	568.6	387.8	386.4
12-Oct-15	11:51:25	278.1	12.13	0.999	3000.8	17.67	50.02	81.03	99.93	159.8	545.2	41.08	568.6	387.9	386.4
12-Oct-15	11:51:30	278.0	12.18	0.999	2996.5	17.67	49.97	80.92	99.94	159.9	545.1	41.08	568.6	387.9	386.4
12-Oct-15	11:51:35	277.2	12.24	0.999	3000.7	17.67	50.00	81.20	99.94	159.9	545.1	41.09	568.6	387.9	386.4
12-Oct-15	11:51:40	277.5	12.30	0.999	3004.0	17.67	50.04	80.97	99.95	159.9	545.1	41.10	568.6	387.9	386.4
12-Oct-15	11:51:45	277.7	12.36	0.999	3003.6	17.68	50.06	80.75	99.95	160.0	545.1	41.11	568.6	387.9	386.4
12-Oct-15	11:51:50	278.1	12.42	0.999	3002.9	17.68	50.04	80.52	99.95	160.0	545.1	41.12	568.6	387.9	386.4
12-Oct-15	11:51:55	278.2	12.48	0.999	3000.1	17.68	50.02	80.83	99.96	160.1	545.1	41.13	568.7	387.9	386.4
12-Oct-15	11:52:00	277.8	12.53	0.999	3000.0	17.69	50.03	81.48	99.96	160.2	545.1	41.14	568.7	387.9	386.4
12-Oct-15	11:52:05	278.2	12.59	0.999	3002.4	17.69	50.04	81.22	99.96	160.2	545.1	41.15	568.7	387.9	386.4
12-Oct-15	11:52:10	278.2	13.09	0.999	3002.9	17.69	50.06	81.56	99.97	160.3	545.1	41.16	568.7	387.9	386.4
12-Oct-15	11:52:15	277.3	13.68	0.999	3004.2	17.69	50.07	81.91	99.97	160.3	545.1	41.18	568.7	387.9	386.5
12-Oct-15	11:52:20	278.8	14.27	0.999	3005.2	17.70	50.13	81.32	99.98	160.4	545.1	41.20	568.7	388.0	386.5
12-Oct-15	11:52:25	277.6	14.61	0.999	3003.0	17.70	50.09	81.01	99.98	160.4	545.1	41.20	568.7	388.0	386.5
12-Oct-15	11:52:30	278.7	14.61	0.999	3001.3	17.70	50.05	81.18	99.98	160.4	545.0	41.20	568.7	388.0	386.5
12-Oct-15	11:52:35	278.2	14.61	0.999	3002.9	17.70	50.03	81.35	99.99	160.4	545.0	41.20	568.7	388.0	386.5
12-Oct-15	11:52:40	278.0	14.61	0.999	3004.0	17.70	50.06	81.28	99.99	160.4	545.1	41.20	568.7	388.0	386.5
12-Oct-15	11:52:45	278.4	14.61	0.999	3003.5	17.70	50.08	80.90	99.99	160.4	545.1	41.20	568.6	388.0	386.5
12-Oct-15	11:52:50	278.4	14.61	0.999	3003.6	17.70	50.08	81.08	99.98	160.5	545.1	41.21	568.6	388.0	386.5
12-Oct-15	11:52:55	277.9	14.61	0.999	3005.0	17.70	50.08	81.26	99.98	160.5	545.1	41.21	568.5	388.0	386.5
12-Oct-15	11:53:00	278.0	14.61	0.999	3004.0	17.70	50.08	81.02	99.98	160.5	545.1	41.21	568.5	388.0	386.5
12-Oct-15	11:53:05	277.8	14.61	0.999	3004.0	17.70	50.08	81.28	99.98	160.5	545.1	41.22	568.4	388.0	386.5
12-Oct-15	11:53:10	278.0	14.33	0.999	3007.7	17.70	50.10	81.32	99.98	160.5	545.2	41.22	568.4	388.1	386.5
12-Oct-15	11:53:15	278.4	13.99	0.999	3008.0	17.70	50.12	81.06	99.97	160.6	545.2	41.23	568.3	388.1	386.5
12-Oct-15	11:53:20	278.3	13.65	0.999	3006.0	17.70	50.11	81.05	99.97	160.6	545.2	41.23	568.3	388.1	386.6
12-Oct-15	11:53:25	278.1	13.36	0.999	3007.4	17.70	50.10	81.38	99.97	160.6	545.2	41.23	568.3	388.1	386.5
12-Oct-15	11:53:30	278.6	13.26	0.999	3004.7	17.70	50.08	81.03	99.97	160.6	545.2	41.24	568.3	388.1	386.6
12-Oct-15	11:53:35	278.9	13.16	0.999	3006.7	17.70	50.08	81.27	99.97	160.7	545.2	41.24	568.3	388.1	386.6
12-Oct-15	11:53:40	278.1	13.06	0.999	3007.0	17.70	50.09	81.47	99.97	160.7	545.2	41.25	568.3	388.1	386.6
12-Oct-15	11:53:45	278.2	12.96	0.999	3007.5	17.70	50.11	81.40	99.97	160.7	545.2	41.25	568.3	388.1	386.6
12-Oct-15	11:53:50	278.2	12.86	0.999	3009.5	17.70	50.13	81.24	99.97	160.7	545.2	41.26	568.3	388.2	386.6
12-Oct-15	11:53:55	278.2	12.76	0.999	3009.7	17.70	50.11	81.38	99.97	160.7	545.2	41.26	568.3	388.2	386.6
12-Oct-15	11:54:00	278.6	12.66	0.999	3006.3	17.71	50.10	81.21	99.97	160.8	545.2	41.27	568.3	388.2	386.6
12-Oct-15	11:54:05	278.8	12.56	0.999	3003.5	17.71	50.09	81.15	99.97	160.8	545.2	41.27	568.3	388.2	386.6
12-Oct-15	11:54:10	279.4	12.46	0.999	2999.7	17.71	50.08	81.28	99.97	160.8	545.2	41.28	568.3	388.2	386.6
12-Oct-15	11:54:15	278.4	12.36	0.999	2999.7	17.71	50.03	81.66	99.97	160.8	545.2	41.28	568.3	388.2	386.6
12-Oct-15	11:54:20	278.2	12.26	0.999	3000.1	17.71	50.06	81.97	99.97	160.8	545.2	41.28	567.7	388.2	386.7
12-Oct-15	11:54:25	278.2	12.88	0.999	3005.0	17.71	50.07	82.07	99.97	160.8	545.0	41.27	567.7	388.2	386.7
12-Oct-15	11:54:30	279.8	14.12	0.999	2999.7	17.71	50.03	80.77	99.95	160.8	544.8	41.27	567.6	388.2	386.7
12-Oct-15	11:54:35	278.8	14.12	0.999	3001.8	17.71	49.97	81.49	99.91	160.7	544.7	41.26	567.6	388.2	386.7
12-Oct-15	11:54:40	278.2	14.12	0.999	3003.4	17.71	49.97	81.92	99.91	160.7	544.6	41.25	567.6	388.2	386.7
12-Oct-15	11:54:45	278.4	14.12	0.999	3003.3	17.71	49.97	82.18	99.92	160.7	544.5	41.25	567.5	388.2	386.7
12-Oct-15	11:54:50	278.6	14.07	0.999	3003.2	17.71	49.99	82.45	99.92	160.7	544.4	41.24	567.5	388.2	386.7
12-Oct-15	11:54:55	278.0	14.01	0.999	3003.6	17.71	50.01	82.71	99.92	160.7	544.4	41.23	567.5	388.2	386.7
12-Oct-15	11:55:00	277.9	13.95	0.999	3006.6	17.70	50.07	82.96	99.92	160.7	544.3	41.23	567.4	388.2	386.7
12-Oct-15	11:55:														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:59:00	277.0	12.25	0.999	3000.4	17.70	50.01	87.92	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:05	275.8	12.38	0.999	3004.3	17.70	50.04	88.65	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:10	276.5	12.41	0.999	3003.7	17.70	50.06	88.16	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:15	276.5	12.44	0.999	3003.6	17.70	50.07	87.99	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:20	276.3	12.47	0.999	3004.7	17.69	50.07	87.82	99.99	159.2	543.0	41.10	565.6	388.2	386.5
12-Oct-15	11:59:25	276.5	12.51	0.999	3000.1	17.69	50.08	87.65	99.99	159.2	543.0	41.06	565.6	388.2	386.5
12-Oct-15	11:59:30	276.2	12.54	0.999	3002.9	17.69	50.09	87.87	99.98	159.1	543.1	41.05	565.7	388.2	386.5
12-Oct-15	11:59:35	275.8	12.55	0.999	3007.5	17.69	50.10	87.81	99.95	159.1	543.2	41.05	565.7	388.2	386.5
12-Oct-15	11:59:40	276.3	12.55	0.999	3004.2	17.69	50.10	87.46	99.94	159.0	543.2	41.04	565.8	388.2	386.5
12-Oct-15	11:59:45	277.3	12.55	0.999	3002.4	17.69	50.06	87.23	99.94	159.0	543.2	41.04	565.8	388.2	386.5
12-Oct-15	11:59:50	277.0	14.11	0.999	2996.8	17.69	50.00	87.36	99.94	159.0	543.3	41.04	565.9	388.2	386.5
12-Oct-15	11:59:55	276.2	12.56	0.999	3000.3	17.69	50.01	87.54	99.94	159.0	543.3	41.03	565.9	388.2	386.5
12-Oct-15	12:00:00	276.6	13.97	0.999	2999.8	17.69	50.01	87.71	99.95	158.9	543.3	41.03	566.0	388.2	386.5
12-Oct-15	12:00:05	276.8	13.96	0.999	2995.8	17.70	50.02	87.88	99.95	158.9	543.4	41.03	566.0	388.2	386.5
12-Oct-15	12:00:10	276.6	13.09	0.999	2998.2	17.70	50.03	88.06	99.95	158.9	543.4	41.02	566.1	388.2	386.5
12-Oct-15	12:00:15	275.6	12.64	0.999	3001.4	17.70	50.04	88.20	99.95	158.9	543.4	41.02	566.1	388.2	386.5
12-Oct-15	12:00:20	276.2	12.78	0.999	3007.0	17.70	50.05	87.36	99.95	158.9	543.5	41.02	566.1	388.2	386.5
12-Oct-15	12:00:25	276.7	12.92	0.999	3003.8	17.70	50.04	86.75	99.95	158.8	543.5	41.01	566.2	388.2	386.5
12-Oct-15	12:00:30	276.4	13.06	0.999	3003.0	17.70	50.03	86.44	99.95	158.8	543.5	41.00	566.2	388.2	386.5
12-Oct-15	12:00:35	276.6	13.20	0.999	3003.2	17.70	50.02	86.17	99.95	158.8	543.6	40.99	566.2	388.2	386.5
12-Oct-15	12:00:40	276.8	13.34	0.999	3002.8	17.69	50.01	85.90	99.95	158.8	543.6	40.97	566.2	388.2	386.5
12-Oct-15	12:00:45	276.5	13.48	0.999	3000.1	17.69	50.00	85.68	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:00:50	276.1	13.61	0.999	3001.0	17.69	49.99	85.10	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:00:55	276.3	13.75	0.999	3003.3	17.69	49.98	85.95	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:01:00	276.4	13.89	0.999	2999.6	17.69	49.98	85.69	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:01:05	276.2	14.03	0.999	3000.1	17.69	49.97	85.85	99.95	158.8	543.6	40.95	566.2	388.3	386.5
12-Oct-15	12:01:10	276.0	14.17	0.999	2999.8	17.69	49.96	85.84	99.95	158.8	543.6	40.94	566.2	388.3	386.5
12-Oct-15	12:01:15	276.5	14.28	0.999	2999.8	17.69	49.96	85.30	99.95	158.8	543.6	40.92	566.2	388.3	386.5
12-Oct-15	12:01:20	276.8	14.28	0.999	2997.2	17.69	49.95	84.92	99.95	158.7	543.6	40.91	566.2	388.3	386.4
12-Oct-15	12:01:25	276.6	14.28	0.999	2991.8	17.69	49.94	84.57	99.95	158.7	543.6	40.91	566.3	388.2	386.4
12-Oct-15	12:01:30	276.3	13.97	0.999	2999.6	17.69	49.96	85.61	99.95	158.7	543.6	40.91	566.3	388.3	386.5
12-Oct-15	12:01:35	276.1	13.59	0.999	3000.4	17.69	49.99	85.43	99.94	158.7	543.6	40.91	566.3	388.2	386.5
12-Oct-15	12:01:40	276.3	13.22	0.999	3000.6	17.69	50.00	85.25	99.94	158.7	543.7	40.91	566.4	388.2	386.5
12-Oct-15	12:01:45	276.3	12.84	0.999	3003.6	17.69	50.02	85.07	99.94	158.7	543.7	40.90	566.4	388.3	386.5
12-Oct-15	12:01:50	276.1	12.46	0.999	3004.1	17.69	50.04	84.89	99.94	158.7	543.8	40.90	566.5	388.2	386.5
12-Oct-15	12:01:55	276.2	13.21	0.999	3005.1	17.69	50.03	84.72	99.94	158.7	543.8	40.90	566.5	388.3	386.4
12-Oct-15	12:02:00	277.3	14.28	0.999	3003.3	17.69	50.01	84.55	99.94	158.7	543.9	40.90	566.5	388.3	386.5
12-Oct-15	12:02:05	277.0	14.11	0.999	3000.4	17.69	49.99	84.41	99.94	158.7	543.9	40.90	566.6	388.3	386.5
12-Oct-15	12:02:10	276.4	13.94	0.999	3003.3	17.69	50.01	84.27	99.93	158.8	544.0	40.90	566.6	388.3	386.5
12-Oct-15	12:02:15	276.1	13.76	0.999	3004.6	17.70	50.03	84.13	99.93	158.8	544.0	40.90	566.6	388.3	386.5
12-Oct-15	12:02:20	276.9	13.69	0.999	3000.7	17.70	50.04	84.00	99.93	158.8	544.1	40.89	566.7	388.2	386.5
12-Oct-15	12:02:25	276.6	13.42	0.999	3005.8	17.70	50.07	83.86	99.93	158.8	544.1	40.89	566.7	388.3	386.5
12-Oct-15	12:02:30	276.4	13.25	0.999	3005.9	17.70	50.09	83.72	99.93	158.8	544.2	40.89	566.7	388.3	386.5
12-Oct-15	12:02:35	276.7	13.07	0.999	3004.1	17.70	50.08	83.58	99.93	158.8	544.2	40.89	566.7	388.3	386.5
12-Oct-15	12:02:40	277.1	12.90	0.999	3007.0	17.70	50.06	83.27	99.93	158.8	544.2	40.90	566.7	388.3	386.5
12-Oct-15	12:02:45	277.4	12.73	0.999	2999.6	17.70	50.04	83.02	99.93	158.9	544.2	40.91	566.7	388.3	386.5
12-Oct-15	12:02:50	277.4	12.56	0.999	2998.6	17.70	50.00	83.18	99.93	159.0	544.3	40.92	566.7	388.3	386.5
12-Oct-15	12:02:55	276.6	12.39	0.999	3001.2	17.70	50.01	83.40	99.93	159.0	544.3	40.94	566.7	388.3	386.5
12-Oct-15	12:03:00	276.9	12.39	0.999	3007.3	17.70	50.04	83.19	99.92	159.1	544.3	40.95	566.7	388.3	386.5
12-Oct-15	12:03:05	276.7	12.39	0.999	3007.8	17.70	50.04	82.98	99.92	159.2	544.3	40.94	566.7	388.3	386.5
12-Oct-15	12:03:10	276.9	12.37	0.999	3011.1	17.70	50.08	82.77	99.92	159.2	544.3	40.94	566.7	388.3	386.5
12-Oct-15	12:03:15	277.5	12.35	0.999	3004.3	17.70	50.06	82.45	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:20	277.4	12.32	0.999	3003.1	17.70	50.05	82.31	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:25	277.1	12.30	0.999	3002.9	17.70	50.05	82.92	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:30	277.3	12.28	0.999	3000.0	17.70	50.06	82.08	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:35	276.8	12.25	0.999	3001.2	17.70	50.07	82.78	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:40	276.6	12.23	0.999	3003.9	17.70	50.08	82.86	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:45	276.4	12.21	0.999	3010.8	17.70	50.09	82.50	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:50	277.6	12.18	0.999	3003.7	17.70	50.08	82.07	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:55	277.2	12.16	0.999	3007.3	17.70	50.07	82.52	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:00	276.7	12.32	0.999	3003.5	17.70	50.06	82.97	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:05	277.1	12.52	0.999	3004.0	17.70	50.05	82.67	99.92	159.4	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:10	277.6	12.72	0.999	3001.2	17.70	50.04	82.31	99.92	159.5	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:15	277.4	12.92	0.999	3000.7	17.70	50.05	82.75	99.92	159.6	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:20	276.8	13.12	0.999	3004.3	17.70	50.07	83.17	99.92	159.6	544.5	40.96	566.8	388.3	386.5
12-Oct-15	12:04:25	277.4	13.31	0.999	3007.6	17.70	50.09	82.40	99.92	159.6	544.6	40.99	566.9	388.4	386.5
12-Oct-15	12:04:30	277.9	13.51	0.999	3006.5	17.70	50.07	81.69	99.92	159.6	544.7	41.00	566.9	388.4	386.5
12-Oct-15	12:04:35	277.7	13.71	0.999	3003.7	17.70	50.06	81.41	99.94	159.6	544.8	41.01	567.0	388.4	386.5
12-Oct-15	12:04:40	277.6	13.91	0.999	3003.6	17.70	50.05	82.13	99.94	159.6	544.8	41.02	567.0	388.4	386.5
12-Oct-15	12:04:45	278.3	14.11	0.999	3000.1	17.70	50.04	81.43	99.94	159.6	544.7	41.02	567.0	388.4	386.5
12-Oct-15	12:04:50	277.3	13.06	0.999	3002.6	17.70	50.00	81.90	99.94	159.6	544.7	41.03	567.0	388.4	386.5
12-Oct-15	12:														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:08:50	277.3	11.74	0.999	3010.8	17.69	50.09	83.27	99.95	160.5	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:08:55	278.7	11.73	0.999	2999.8	17.69	50.06	82.08	99.95	160.5	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:00	278.2	11.71	0.999	3000.0	17.69	50.05	82.81	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:05	277.7	11.69	0.999	3001.3	17.69	50.05	83.25	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:10	277.5	11.67	0.999	3001.2	17.69	50.06	83.52	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:15	278.2	11.65	0.999	3001.0	17.69	50.07	83.79	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:20	277.3	11.63	0.999	3006.9	17.70	50.08	84.06	99.95	160.6	543.2	41.14	565.7	388.2	386.5
12-Oct-15	12:09:25	277.4	11.62	0.999	3011.2	17.70	50.09	84.13	99.95	160.6	543.0	41.16	565.7	388.2	386.5
12-Oct-15	12:09:30	278.1	11.62	0.999	3006.8	17.70	50.08	83.45	99.94	160.6	542.9	41.18	565.7	388.2	386.5
12-Oct-15	12:09:35	278.4	11.62	0.999	3003.1	17.70	50.06	83.48	99.94	160.6	542.8	41.19	565.7	388.2	386.5
12-Oct-15	12:09:40	277.8	11.62	0.999	3005.7	17.70	50.04	83.99	99.93	160.6	542.7	41.19	565.7	388.2	386.5
12-Oct-15	12:09:45	278.3	11.62	0.999	3003.7	17.70	50.04	83.35	99.93	160.6	542.7	41.20	565.7	388.2	386.5
12-Oct-15	12:09:50	277.7	11.27	0.999	3006.4	17.69	50.07	84.12	99.94	160.6	542.7	41.20	565.7	388.2	386.5
12-Oct-15	12:09:55	277.3	10.85	0.999	3010.4	17.69	50.10	84.53	99.94	160.6	542.7	41.21	565.7	388.2	386.5
12-Oct-15	12:10:00	278.5	10.43	0.999	3008.0	17.68	50.13	84.02	99.94	160.6	542.6	41.21	565.7	388.2	386.5
12-Oct-15	12:10:05	278.7	10.01	0.999	3003.9	17.68	50.08	83.63	99.94	160.6	542.6	41.22	565.7	388.2	386.5
12-Oct-15	12:10:10	278.8	9.62	0.999	3003.5	17.68	50.00	83.34	99.94	160.6	542.6	41.22	565.7	388.2	386.5
12-Oct-15	12:10:15	276.8	10.75	0.999	3008.7	17.67	50.05	85.77	99.94	160.6	542.5	41.23	565.7	388.2	386.5
12-Oct-15	12:10:20	277.2	11.70	0.999	3007.4	17.67	50.09	85.12	99.94	160.6	542.5	41.23	565.7	388.2	386.5
12-Oct-15	12:10:25	278.2	12.04	0.999	3003.5	17.66	50.06	84.95	99.95	160.6	542.5	41.24	565.7	388.2	386.5
12-Oct-15	12:10:30	277.8	12.38	0.999	3003.2	17.66	50.05	85.38	99.95	160.6	542.4	41.25	565.7	388.2	386.5
12-Oct-15	12:10:35	277.3	12.72	0.999	3007.5	17.66	50.07	85.81	99.95	160.6	542.4	41.26	565.7	388.2	386.5
12-Oct-15	12:10:40	276.7	13.06	0.999	3010.8	17.66	50.09	86.57	99.95	160.6	542.4	41.27	565.7	388.2	386.5
12-Oct-15	12:10:45	277.4	13.40	0.999	3008.0	17.66	50.14	86.11	99.95	160.6	542.4	41.28	565.7	388.2	386.5
12-Oct-15	12:10:50	277.8	13.19	0.999	3006.9	17.66	50.13	85.44	99.95	160.6	542.4	41.28	565.7	388.2	386.5
12-Oct-15	12:10:55	277.2	12.65	0.999	3004.3	17.66	50.12	85.83	99.95	160.6	542.4	41.28	565.7	388.2	386.5
12-Oct-15	12:11:00	277.7	12.11	0.999	3003.5	17.66	50.10	85.83	99.95	160.4	542.4	41.28	565.7	388.3	386.5
12-Oct-15	12:11:05	277.7	11.57	0.999	3003.5	17.66	50.11	85.83	99.95	160.4	542.4	41.27	565.7	388.3	386.5
12-Oct-15	12:11:10	276.8	11.99	0.999	3004.1	17.66	50.13	86.63	99.95	160.3	542.4	41.26	565.7	388.3	386.5
12-Oct-15	12:11:15	276.8	12.63	0.999	3008.1	17.66	50.14	87.01	99.95	160.3	542.4	41.25	565.7	388.2	386.5
12-Oct-15	12:11:20	277.5	13.27	0.999	3006.9	17.66	50.15	87.16	99.95	160.3	542.4	41.24	565.7	388.3	386.5
12-Oct-15	12:11:25	277.3	13.51	0.999	3008.1	17.66	50.15	87.32	99.94	160.2	542.3	41.23	565.7	388.3	386.5
12-Oct-15	12:11:30	277.2	11.65	0.999	3006.6	17.70	50.12	87.47	99.94	160.2	542.3	41.22	565.7	388.2	386.5
12-Oct-15	12:11:35	277.7	11.85	0.999	3003.7	17.70	50.09	87.63	99.94	160.1	542.3	41.21	565.7	388.3	386.5
12-Oct-15	12:11:40	277.0	12.05	0.999	3003.7	17.70	50.06	87.78	99.94	160.0	542.3	41.19	565.7	388.3	386.5
12-Oct-15	12:11:45	275.9	12.25	0.999	3010.6	17.70	50.09	87.94	99.93	160.0	542.3	41.18	565.7	388.3	386.5
12-Oct-15	12:11:50	276.3	12.45	0.999	3010.9	17.70	50.15	88.00	99.93	160.0	542.2	41.18	565.7	388.3	386.6
12-Oct-15	12:11:55	276.6	12.65	0.999	3010.3	17.70	50.14	88.04	99.93	159.9	542.2	41.17	565.6	388.3	386.5
12-Oct-15	12:12:00	276.3	12.85	0.999	3009.7	17.70	50.13	88.07	99.92	159.9	542.1	41.17	565.6	388.3	386.5
12-Oct-15	12:12:05	276.0	13.05	0.999	3009.0	17.70	50.12	88.11	99.92	159.9	542.1	41.16	565.6	388.3	386.5
12-Oct-15	12:12:10	275.5	13.25	0.999	3008.4	17.70	50.11	88.11	99.91	159.8	542.0	41.16	565.6	388.3	386.5
12-Oct-15	12:12:15	277.0	13.45	0.999	3007.8	17.70	50.11	87.59	99.91	159.8	542.0	41.15	565.6	388.3	386.6
12-Oct-15	12:12:20	277.3	13.65	0.999	3007.2	17.70	50.10	87.70	99.90	159.7	541.9	41.15	565.6	388.3	386.6
12-Oct-15	12:12:25	276.5	12.50	0.999	3001.0	17.70	50.06	88.21	99.90	159.7	541.9	41.14	565.6	388.3	386.6
12-Oct-15	12:12:30	275.9	12.01	0.999	3009.0	17.70	50.08	89.38	99.90	159.7	541.8	41.14	565.6	388.3	386.5
12-Oct-15	12:12:35	276.7	12.84	0.999	3005.1	17.70	50.11	88.67	99.89	159.6	541.8	41.13	565.6	388.3	386.5
12-Oct-15	12:12:40	276.3	13.64	0.999	3007.5	17.70	50.12	88.93	99.89	159.6	541.7	41.13	565.6	388.3	386.5
12-Oct-15	12:12:45	276.0	13.64	0.999	3006.9	17.70	50.13	89.44	99.89	159.5	541.7	41.13	565.6	388.3	386.5
12-Oct-15	12:12:50	275.8	13.64	0.999	3009.3	17.70	50.15	89.36	99.89	159.5	541.7	41.12	565.6	388.3	386.5
12-Oct-15	12:12:55	276.2	13.64	0.999	3010.3	17.70	50.13	88.87	99.90	159.5	541.7	41.12	565.6	388.3	386.5
12-Oct-15	12:13:00	276.6	13.64	0.999	3006.5	17.70	50.10	88.65	99.91	159.4	541.7	41.11	565.6	388.3	386.5
12-Oct-15	12:13:05	276.4	13.64	0.999	3001.9	17.70	50.10	88.97	99.91	159.4	541.7	41.11	565.5	388.3	386.5
12-Oct-15	12:13:10	276.3	12.81	0.999	2999.2	17.70	50.02	89.29	99.92	159.3	541.7	41.10	565.5	388.3	386.5
12-Oct-15	12:13:15	276.1	11.80	0.999	3004.8	17.70	50.01	89.62	99.93	159.3	541.6	41.10	565.5	388.3	386.5
12-Oct-15	12:13:20	275.6	11.80	0.999	3007.7	17.70	50.08	89.98	99.94	159.2	541.6	41.09	565.5	388.3	386.5
12-Oct-15	12:13:25	275.8	12.03	0.999	3008.4	17.70	50.10	89.70	99.95	159.2	541.6	41.09	565.5	388.3	386.5
12-Oct-15	12:13:30	276.3	12.25	0.999	3009.1	17.70	50.13	89.55	99.95	159.1	541.6	41.09	565.5	388.3	386.5
12-Oct-15	12:13:35	276.8	12.48	0.999	3007.7	17.70	50.12	89.19	99.96	159.1	541.6	41.08	565.5	388.3	386.5
12-Oct-15	12:13:40	276.1	12.70	0.999	3008.0	17.70	50.12	89.62	99.97	159.0	541.6	41.07	565.5	388.3	386.5
12-Oct-15	12:13:45	275.8	12.93	0.999	3008.3	17.70	50.13	89.66	99.97	159.0	541.6	41.05	565.5	388.3	386.5
12-Oct-15	12:13:50	275.6	13.16	0.999	3008.6	17.70	50.14	89.70	99.97	159.0	541.6	41.04	565.5	388.3	386.5
12-Oct-15	12:13:55	275.5	13.38	0.999	3010.1	17.70	50.14	89.73	99.97	159.0	541.6	41.03	565.5	388.3	386.5
12-Oct-15	12:14:00	276.4	13.61	0.999	3007.9	17.70	50.13	89.20	99.97	159.0	541.6	41.01	565.5	388.3	386.5
12-Oct-15	12:14:05	276.7	13.72	0.999	3003.4	17.70	50.09	88.71	99.97	159.0	541.6	41.00	565.5	388.3	386.5
12-Oct-15	12:14:10	276.2	11.72	0.999	3003.0	17.70	50.05	89.55	99.97	159.0	541.6	40.99	565.5	388.3	386.5
12-Oct-15	12:14:15	276.0	11.72	0.999	3001.9	17.70	50.06	89.53	99.97	159.0	541.6	40.98	565.5	388.3	386.5
12-Oct-15	12:14:20	275.6	11.72	0.999	3003.7	17.70	50.07	89.68	99.97	159.0	541.6	40.98	565.5	388.3	386.5
12-Oct-15	12:14:25	275.3	11.72	0.999	3008.1	17.70	50.09	89.68	99.97	158.9	541.7	40.97	565.5	388.3	386.5
12-Oct-15	12:14:30	275.6	11.72	0.999	3009.4	17.70	50.13	89.46	99.97	158.8	541.8	40.96	565.5	388.3	386.5
12-Oct-15	12:14:35	276.1	11.72	0.999	3007.6	17.70	50.15	88.95	99.97	158.8	541.9	40.95	565.5	388.3	386.5
12-Oct-15	12:14:40	276.1	11.72	0.999	3007.5	17.70	50.15	89.10	99.98	158.7	542.0	40.94	565.5	388.3	386.5
12-Oct-15	12:1														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:18:40	277.5	13.39	0.999	3007.9	17.70	50.11	82.60	99.90	159.1	543.4	40.91	567.6	388.4	386.6
12-Oct-15	12:18:45	277.6	13.44	0.999	3008.6	17.70	50.09	82.91	99.90	159.1	543.4	40.91	567.6	388.4	386.6
12-Oct-15	12:18:50	277.1	13.49	0.999	3010.2	17.70	50.10	83.29	99.90	159.2	543.4	40.91	567.6	388.5	386.6
12-Oct-15	12:18:55	276.8	13.54	0.999	3009.3	17.70	50.12	83.41	99.90	159.3	543.4	40.92	567.6	388.5	386.6
12-Oct-15	12:19:00	277.0	13.59	0.999	3010.6	17.70	50.13	82.93	99.90	159.4	543.4	40.93	567.6	388.5	386.6
12-Oct-15	12:19:05	276.8	13.64	0.999	3015.5	17.70	50.14	83.18	99.90	159.4	543.4	40.94	567.6	388.5	386.6
12-Oct-15	12:19:10	277.5	13.70	0.999	3011.0	17.70	50.14	82.66	99.90	159.5	543.4	40.95	567.6	388.5	386.6
12-Oct-15	12:19:15	277.0	13.75	0.999	3010.0	17.70	50.14	82.67	99.90	159.5	543.4	40.96	567.6	388.5	386.6
12-Oct-15	12:19:20	277.1	13.80	0.999	3009.1	17.70	50.14	82.97	99.90	159.6	543.4	40.96	567.7	388.5	386.6
12-Oct-15	12:19:25	277.8	13.85	0.999	3008.1	17.70	50.14	82.49	99.90	159.7	543.6	40.97	567.9	388.5	386.6
12-Oct-15	12:19:30	277.6	13.75	0.999	3009.7	17.70	50.14	82.38	99.91	159.7	543.8	40.98	567.9	388.5	386.6
12-Oct-15	12:19:35	277.5	13.13	0.999	3007.9	17.70	50.14	82.13	99.93	159.8	543.9	40.99	567.9	388.5	386.6
12-Oct-15	12:19:40	277.4	12.51	0.999	3007.9	17.70	50.14	81.88	99.94	159.8	544.1	41.00	567.9	388.5	386.6
12-Oct-15	12:19:45	277.4	11.91	0.999	3011.5	17.70	50.14	81.62	99.95	159.8	544.1	41.01	568.0	388.5	386.6
12-Oct-15	12:19:50	278.5	13.88	0.999	3010.5	17.70	50.14	81.62	99.95	159.8	544.1	41.01	568.0	388.5	386.6
12-Oct-15	12:19:55	277.4	13.52	0.999	3010.8	17.70	50.15	82.41	99.94	159.9	544.1	41.02	568.0	388.5	386.6
12-Oct-15	12:20:00	277.7	13.16	0.999	3008.4	17.70	50.16	82.14	99.94	159.9	544.1	41.02	568.0	388.5	386.7
12-Oct-15	12:20:05	277.6	12.79	0.999	3011.2	17.70	50.17	81.81	99.94	159.9	544.2	41.02	568.0	388.5	386.7
12-Oct-15	12:20:10	277.4	12.43	0.999	3010.9	17.70	50.18	81.99	99.94	159.9	544.2	41.03	568.0	388.5	386.7
12-Oct-15	12:20:15	277.1	12.07	0.999	3013.7	17.70	50.19	82.04	99.94	159.9	544.2	41.03	568.0	388.6	386.7
12-Oct-15	12:20:20	277.5	13.17	0.999	3012.1	17.70	50.19	81.66	99.94	159.9	544.2	41.03	568.0	388.6	386.7
12-Oct-15	12:20:25	278.0	13.92	0.999	3009.5	17.70	50.17	81.64	99.94	159.9	544.2	41.04	568.1	388.6	386.7
12-Oct-15	12:20:30	277.6	13.93	0.999	3011.4	17.70	50.15	82.10	99.94	159.9	544.2	41.04	568.1	388.6	386.7
12-Oct-15	12:20:35	277.1	13.95	0.999	3011.4	17.70	50.14	82.05	99.94	159.9	544.2	41.04	568.1	388.6	386.7
12-Oct-15	12:20:40	277.7	13.96	0.999	3011.4	17.70	50.14	82.75	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:20:45	277.2	13.97	0.999	3011.4	17.70	50.14	82.25	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:20:50	277.9	13.98	0.999	3011.4	17.70	50.14	81.38	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:20:55	277.3	14.00	0.999	3011.4	17.70	50.14	82.05	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:21:00	277.4	14.01	0.999	3011.4	17.70	50.14	82.24	99.94	159.9	544.3	41.05	568.0	388.6	386.7
12-Oct-15	12:21:05	278.0	14.02	0.999	3011.4	17.70	50.14	81.54	99.94	160.0	544.2	41.06	568.0	388.6	386.7
12-Oct-15	12:21:10	277.4	14.03	0.999	3011.2	17.70	50.14	81.74	99.94	160.0	544.1	41.07	567.9	388.6	386.7
12-Oct-15	12:21:15	277.9	14.05	0.999	3010.2	17.70	50.14	81.72	99.95	160.0	544.1	41.08	567.9	388.6	386.7
12-Oct-15	12:21:20	277.5	14.06	0.999	3009.1	17.70	50.14	81.81	99.96	160.0	544.0	41.09	567.8	388.6	386.7
12-Oct-15	12:21:25	277.7	14.06	0.999	3008.1	17.70	50.14	82.08	99.96	160.1	544.0	41.10	567.8	388.6	386.7
12-Oct-15	12:21:30	277.7	12.84	0.999	3009.1	17.70	50.14	82.35	99.97	160.1	543.9	41.10	567.7	388.6	386.7
12-Oct-15	12:21:35	277.2	12.82	0.999	3009.2	17.70	50.14	82.27	99.98	160.1	543.9	41.11	567.7	388.6	386.7
12-Oct-15	12:21:40	277.6	13.81	0.999	3007.9	17.70	50.14	81.89	99.99	160.1	543.8	41.11	567.6	388.6	386.7
12-Oct-15	12:21:45	277.4	13.45	0.999	3007.6	17.70	50.14	82.05	99.98	160.1	543.8	41.11	567.6	388.6	386.7
12-Oct-15	12:21:50	277.5	13.09	0.999	3007.8	17.70	50.14	82.07	99.98	160.1	543.8	41.12	567.5	388.6	386.7
12-Oct-15	12:21:55	277.6	12.73	0.999	3008.3	17.70	50.14	81.85	99.97	160.1	543.8	41.12	567.5	388.6	386.7
12-Oct-15	12:22:00	277.7	12.77	0.999	3003.6	17.70	50.14	81.91	99.96	160.1	543.8	41.12	567.4	388.6	386.7
12-Oct-15	12:22:05	276.7	12.10	0.999	3008.8	17.70	50.13	82.40	99.95	160.1	543.8	41.12	567.4	388.6	386.7
12-Oct-15	12:22:10	277.9	13.86	0.999	3008.4	17.70	50.13	81.76	99.95	160.1	543.8	41.13	567.4	388.6	386.7
12-Oct-15	12:22:15	277.3	13.50	0.999	3010.2	17.70	50.13	82.35	99.94	160.1	543.8	41.13	567.3	388.6	386.7
12-Oct-15	12:22:20	277.4	13.14	0.999	3010.4	17.70	50.13	82.26	99.93	160.1	543.8	41.13	567.3	388.6	386.7
12-Oct-15	12:22:25	277.7	12.79	0.999	3006.4	17.70	50.13	81.91	99.92	160.1	543.8	41.14	567.2	388.6	386.7
12-Oct-15	12:22:30	277.9	12.43	0.999	3007.8	17.70	50.12	81.65	99.92	160.1	543.8	41.14	567.2	388.7	386.6
12-Oct-15	12:22:35	277.4	12.33	0.999	3011.2	17.70	50.13	82.60	99.91	160.1	543.8	41.14	567.2	388.7	386.6
12-Oct-15	12:22:40	277.3	13.18	0.999	3011.1	17.70	50.15	82.60	99.90	160.1	543.4	41.14	567.2	388.7	386.6
12-Oct-15	12:22:45	277.3	12.20	0.999	3009.3	17.70	50.16	82.60	99.90	160.1	543.1	41.15	567.1	388.7	386.6
12-Oct-15	12:22:50	277.5	12.20	0.999	3010.9	17.70	50.17	82.45	99.90	160.1	543.1	41.15	567.1	388.7	386.7
12-Oct-15	12:22:55	277.3	12.20	0.999	3012.7	17.70	50.18	82.11	99.91	160.1	543.0	41.16	567.0	388.7	386.7
12-Oct-15	12:23:00	277.8	12.20	0.999	3007.8	17.70	50.18	81.77	99.92	160.1	543.0	41.16	567.0	388.7	386.6
12-Oct-15	12:23:05	277.5	12.20	0.999	3011.1	17.70	50.18	82.04	99.93	160.1	542.9	41.17	566.9	388.7	386.6
12-Oct-15	12:23:10	277.8	13.10	0.999	3008.4	17.70	50.15	82.05	99.94	160.1	542.9	41.18	566.9	388.7	386.6
12-Oct-15	12:23:15	278.2	14.16	0.999	3005.8	17.70	50.13	82.25	99.95	160.1	542.8	41.18	566.8	388.7	386.6
12-Oct-15	12:23:20	277.8	13.83	0.999	3011.1	17.70	50.14	82.74	99.96	160.1	542.8	41.19	566.7	388.7	386.6
12-Oct-15	12:23:25	277.8	13.81	0.999	3010.4	17.70	50.14	82.89	99.97	160.2	542.7	41.19	566.7	388.7	386.6
12-Oct-15	12:23:30	277.7	13.19	0.999	3010.9	17.70	50.15	83.04	99.98	160.2	542.7	41.19	566.7	388.7	386.6
12-Oct-15	12:23:35	277.9	12.87	0.999	3011.2	17.70	50.16	83.19	99.99	160.2	542.6	41.19	566.7	388.7	386.6
12-Oct-15	12:23:40	277.2	12.55	0.999	3011.4	17.70	50.17	83.34	100.0	160.2	542.6	41.19	566.7	388.7	386.6
12-Oct-15	12:23:45	277.0	12.24	0.999	3010.8	17.70	50.18	83.46	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:23:50	277.7	12.56	0.999	3010.1	17.70	50.15	83.13	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:23:55	277.5	12.88	0.999	3008.0	17.70	50.13	83.37	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:00	277.3	13.20	0.999	3003.9	17.70	50.13	83.61	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:05	276.9	13.52	0.999	3007.9	17.70	50.15	83.73	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:10	277.2	13.84	0.999	3008.1	17.70	50.17	83.73	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:15	277.7	14.15	0.999	3009.6	17.70	50.17	83.73	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:20	277.3	14.15	0.999	3007.6	17.70	50.17	83.73	100.0	160.2	542.6	41.19	566.6	388.7	386.6
12-Oct-15	12:24:25	277.4	14.15	0.999	3007.6	17.70	50.17	83.73	100.0	160.2	542.6	41.20	566.5	388.7	386.6
12-Oct-15	12:24:30	277.6	14.15	0.999	3008.8	17.70	50.17	84.09	99.99	160.2	542.6	41.21	566.4	388.7	386.6
12-Oct-15	12:														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:28:30	276.0	13.24	0.999	3005.9	17.70	50.09	87.76	99.93	159.2	541.1	40.98	565.1	388.7	386.6
12-Oct-15	12:28:35	275.9	13.20	0.999	3008.2	17.70	50.10	87.73	99.93	159.2	541.1	40.97	565.1	388.7	386.6
12-Oct-15	12:28:40	276.2	13.59	0.999	3010.2	17.70	50.14	87.44	99.93	159.2	541.1	40.96	565.1	388.7	386.6
12-Oct-15	12:28:45	276.6	13.97	0.999	3006.8	17.70	50.12	87.15	99.93	159.1	541.1	40.95	565.1	388.8	386.6
12-Oct-15	12:28:50	277.0	14.36	0.999	3001.4	17.70	50.08	87.04	99.93	159.1	541.1	40.94	565.1	388.8	386.6
12-Oct-15	12:28:55	276.3	14.74	0.999	3000.9	17.70	50.04	87.15	99.93	159.0	541.1	40.93	565.1	388.8	386.6
12-Oct-15	12:29:00	276.3	14.99	0.999	2999.7	17.70	50.03	87.21	99.93	159.0	541.1	40.91	565.1	388.8	386.6
12-Oct-15	12:29:05	276.5	14.78	0.999	2999.9	17.70	50.02	87.46	99.93	159.0	541.1	40.90	565.1	388.8	386.6
12-Oct-15	12:29:10	275.9	14.57	0.999	3000.0	17.70	50.02	87.40	99.93	159.0	541.1	40.90	565.1	388.8	386.6
12-Oct-15	12:29:15	276.6	14.36	0.999	3000.2	17.70	50.01	87.07	99.93	159.0	541.1	40.90	565.1	388.7	386.5
12-Oct-15	12:29:20	276.1	14.14	0.999	3000.7	17.70	50.00	87.56	99.93	159.0	541.1	40.90	565.2	388.7	386.5
12-Oct-15	12:29:25	276.2	13.93	0.999	2998.7	17.70	49.99	87.56	99.93	158.9	541.1	40.90	565.3	388.7	386.5
12-Oct-15	12:29:30	276.2	13.72	0.999	2998.3	17.70	49.99	87.40	99.94	158.9	541.1	40.89	565.4	388.7	386.5
12-Oct-15	12:29:35	276.0	13.51	0.999	2998.6	17.70	49.99	87.42	99.94	158.8	541.2	40.89	565.4	388.8	386.5
12-Oct-15	12:29:40	275.6	13.30	0.999	2999.2	17.70	49.99	87.90	99.95	158.8	541.3	40.89	565.5	388.7	386.5
12-Oct-15	12:29:45	275.3	13.09	0.999	3003.0	17.70	49.99	87.92	99.95	158.8	541.3	40.89	565.5	388.7	386.5
12-Oct-15	12:29:50	275.7	13.93	0.999	3006.7	17.70	50.05	87.54	99.95	158.8	541.3	40.89	565.6	388.8	386.5
12-Oct-15	12:29:55	276.2	14.94	0.999	3005.7	17.70	50.06	87.09	99.95	158.8	541.4	40.89	565.6	388.8	386.5
12-Oct-15	12:30:00	276.5	13.97	0.999	3001.5	17.70	50.07	86.62	99.94	158.8	541.4	40.89	565.6	388.7	386.5
12-Oct-15	12:30:05	275.4	13.01	0.999	3004.7	17.70	50.09	87.87	99.94	158.8	541.4	40.89	565.7	388.7	386.5
12-Oct-15	12:30:10	275.3	12.76	0.998	3008.1	17.70	50.10	87.67	99.94	158.8	541.5	40.89	565.7	388.8	386.5
12-Oct-15	12:30:15	276.3	12.50	0.999	3008.3	17.70	50.09	87.21	99.93	158.8	541.5	40.89	565.8	388.8	386.5
12-Oct-15	12:30:20	276.6	12.24	0.999	3004.2	17.70	50.07	86.61	99.93	158.9	541.5	40.89	565.8	388.7	386.5
12-Oct-15	12:30:25	276.4	11.98	0.999	2999.9	17.70	50.05	86.92	99.92	158.9	541.6	40.89	565.9	388.7	386.5
12-Oct-15	12:30:30	276.2	11.72	0.999	2999.9	17.70	50.06	87.22	99.92	158.9	541.6	40.89	565.9	388.8	386.5
12-Oct-15	12:30:35	276.1	11.46	0.999	3000.0	17.70	50.07	87.05	99.92	158.9	541.6	40.89	565.9	388.8	386.5
12-Oct-15	12:30:40	276.3	11.20	0.999	3001.0	17.70	50.09	87.30	99.91	158.9	541.6	40.89	565.9	388.8	386.5
12-Oct-15	12:30:45	276.6	11.85	0.999	3005.0	17.70	50.10	87.80	99.91	158.9	541.7	40.89	565.9	388.8	386.5
12-Oct-15	12:30:50	276.5	12.98	0.999	3006.4	17.70	50.11	86.77	99.91	158.9	541.7	40.89	565.9	388.8	386.5
12-Oct-15	12:30:55	276.2	11.69	0.999	3007.8	17.70	50.13	87.12	99.91	158.9	541.7	40.89	565.9	388.8	386.5
12-Oct-15	12:31:00	275.9	11.30	0.999	3010.7	17.70	50.14	87.56	99.91	158.9	541.7	40.89	566.0	388.8	386.5
12-Oct-15	12:31:05	276.3	12.11	0.999	3010.0	17.70	50.15	87.64	99.91	158.9	541.8	40.90	566.1	388.8	386.5
12-Oct-15	12:31:10	276.6	12.87	0.999	3007.9	17.70	50.15	86.61	99.91	158.9	541.9	40.90	566.2	388.8	386.5
12-Oct-15	12:31:15	276.7	11.95	0.999	3003.9	17.70	50.15	87.08	99.91	158.9	542.0	40.91	566.4	388.8	386.5
12-Oct-15	12:31:20	276.0	11.03	0.999	3008.1	17.70	50.15	87.54	99.92	159.0	542.1	40.92	566.5	388.8	386.6
12-Oct-15	12:31:25	276.1	10.87	0.999	3015.3	17.70	50.15	87.16	99.92	159.0	542.2	40.92	566.6	388.8	386.5
12-Oct-15	12:31:30	277.3	12.82	0.999	3006.6	17.70	50.13	86.21	99.92	159.0	542.3	40.93	566.8	388.8	386.5
12-Oct-15	12:31:35	276.6	12.78	0.999	3007.2	17.70	50.10	86.52	99.92	159.0	542.4	40.94	566.8	388.8	386.6
12-Oct-15	12:31:40	276.4	12.74	0.999	3007.1	17.70	50.12	86.30	99.93	159.0	542.6	40.94	566.9	388.8	386.6
12-Oct-15	12:31:45	276.2	12.70	0.999	3011.1	17.70	50.14	86.09	99.93	159.0	542.6	40.95	567.0	388.9	386.6
12-Oct-15	12:31:50	276.6	12.66	0.999	3010.5	17.70	50.15	85.87	99.93	159.0	542.6	40.95	567.0	388.9	386.6
12-Oct-15	12:31:55	276.8	12.63	0.999	3008.6	17.70	50.13	85.69	99.93	159.0	542.6	40.95	567.1	388.9	386.6
12-Oct-15	12:32:00	277.1	12.59	0.999	3009.7	17.70	50.12	85.53	99.94	159.0	542.6	40.95	567.2	388.8	386.6
12-Oct-15	12:32:05	277.2	12.55	0.999	3007.3	17.70	50.11	85.38	99.94	159.0	542.6	40.95	567.3	388.9	386.6
12-Oct-15	12:32:10	277.0	12.51	0.999	3008.2	17.70	50.11	85.31	99.94	159.0	542.6	40.95	567.3	388.9	386.6
12-Oct-15	12:32:15	276.6	12.47	0.999	3011.0	17.70	50.13	85.23	99.94	159.0	542.6	40.95	567.4	388.9	386.6
12-Oct-15	12:32:20	276.7	12.43	0.999	3011.0	17.70	50.15	85.15	99.95	159.0	542.6	40.95	567.5	388.9	386.6
12-Oct-15	12:32:25	277.2	12.40	0.999	3007.7	17.70	50.15	85.09	99.95	159.0	542.6	40.95	567.6	388.9	386.6
12-Oct-15	12:32:30	277.0	12.53	0.999	3010.6	17.70	50.14	85.35	99.95	159.0	542.6	40.95	567.6	388.9	386.6
12-Oct-15	12:32:35	276.8	12.90	0.999	3007.6	17.70	50.13	85.57	99.95	159.0	542.6	40.95	567.6	388.9	386.6
12-Oct-15	12:32:40	277.3	13.27	0.999	3010.7	17.70	50.12	85.09	99.96	159.1	542.8	40.97	567.6	389.0	386.7
12-Oct-15	12:32:45	277.0	13.64	0.999	3008.6	17.70	50.12	85.09	99.96	159.2	543.1	41.00	567.7	388.9	386.7
12-Oct-15	12:32:50	277.5	14.01	0.999	3006.0	17.70	50.11	84.64	99.96	159.2	543.1	41.00	567.7	389.0	386.7
12-Oct-15	12:32:55	277.5	14.32	0.999	3001.2	17.70	50.10	84.33	99.96	159.2	543.1	41.01	567.8	389.0	386.7
12-Oct-15	12:33:00	276.9	12.45	0.999	3006.6	17.70	50.07	84.95	99.96	159.2	543.1	41.01	567.8	389.0	386.7
12-Oct-15	12:33:05	275.9	12.20	0.999	3015.5	17.70	50.10	85.25	99.96	159.2	543.0	41.01	567.8	389.0	386.7
12-Oct-15	12:33:10	277.1	11.60	0.999	3011.1	17.70	50.15	84.58	99.95	159.2	543.0	41.01	567.9	389.0	386.7
12-Oct-15	12:33:15	276.8	10.88	0.999	3008.3	17.70	50.14	84.66	99.95	159.2	543.0	41.01	568.0	389.0	386.7
12-Oct-15	12:33:20	276.6	10.20	0.999	3014.9	17.69	50.13	85.01	99.95	159.3	543.0	41.01	568.0	389.0	386.7
12-Oct-15	12:33:25	277.1	11.34	0.999	3015.5	17.69	50.12	84.36	99.95	159.3	543.0	41.02	568.0	389.0	386.7
12-Oct-15	12:33:30	278.0	12.46	0.999	3007.3	17.69	50.11	83.29	99.95	159.3	542.9	41.02	568.1	389.0	386.7
12-Oct-15	12:33:35	277.3	13.25	0.999	3004.3	17.69	50.11	83.78	99.95	159.3	542.9	41.02	568.1	389.0	386.7
12-Oct-15	12:33:40	277.0	14.05	0.999	3007.8	17.69	50.12	84.40	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:33:45	277.7	14.37	0.999	3004.4	17.69	50.14	83.47	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:33:50	276.9	13.14	0.999	3007.7	17.69	50.15	84.27	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:33:55	276.9	12.68	0.999	3012.1	17.69	50.16	84.48	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:34:00	277.5	12.68	0.999	3009.1	17.69	50.15	83.83	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:34:05	277.8	12.68	0.999	3008.5	17.70	50.13	83.33	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:34:10	277.6	12.68	0.999	3004.4	17.70	50.12	83.41	99.95	159.3	542.9	41.02	568.1	389.1	386.8
12-Oct-15	12:34:15	277.4	12.68	0.999	3004.9	17.70	50.12	83.72	99.95	159.3	542.9	41.02	568.1	389.1	386.8
12-Oct-15	12:34:20	277.1	12.68	0.999	3011.2	17.70	50.14	84.04	99.95	159.4	542.9	41.03	568.1	389.1	386.8
12-Oct-15	12:														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:38:20	277.4	10.43	0.999	3015.3	17.68	50.22	83.69	99.90	160.7	542.7	41.31	567.2	389.4	387.1
12-Oct-15	12:38:25	278.0	10.96	0.999	3013.7	17.69	50.22	83.27	99.90	160.7	542.6	41.31	567.1	389.4	387.1
12-Oct-15	12:38:30	278.4	11.27	0.999	3010.8	17.70	50.21	83.50	99.90	160.7	542.6	41.32	567.1	389.4	387.1
12-Oct-15	12:38:35	278.0	11.54	0.999	3010.9	17.70	50.19	83.73	99.90	160.8	542.6	41.32	567.0	389.4	387.1
12-Oct-15	12:38:40	277.7	11.82	0.999	3012.1	17.70	50.17	83.94	99.90	160.8	542.6	41.33	567.0	389.4	387.1
12-Oct-15	12:38:45	278.3	12.09	0.999	3008.3	17.70	50.15	83.68	99.91	160.8	542.5	41.33	567.0	389.4	387.1
12-Oct-15	12:38:50	278.7	12.36	0.999	3005.1	17.70	50.13	83.69	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:38:55	278.0	12.63	0.999	3010.4	17.70	50.14	84.07	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:00	278.0	12.90	0.999	3014.6	17.70	50.17	84.03	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:05	278.8	13.17	0.999	3009.6	17.70	50.15	83.17	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:10	278.9	13.16	0.999	3007.3	17.70	50.10	83.23	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:15	277.7	12.17	0.999	3011.1	17.70	50.10	84.12	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:20	277.6	11.42	0.999	3011.4	17.70	50.15	84.16	99.91	160.7	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:25	278.3	11.42	0.999	3011.4	17.70	50.17	83.23	99.91	160.6	542.4	41.34	566.9	389.4	387.1
12-Oct-15	12:39:30	278.0	11.42	0.999	3010.1	17.70	50.15	83.69	99.91	160.6	542.4	41.34	566.8	389.4	387.1
12-Oct-15	12:39:35	278.3	11.42	0.999	3009.1	17.70	50.13	83.55	99.91	160.6	542.3	41.34	566.7	389.5	387.1
12-Oct-15	12:39:40	277.7	11.42	0.999	3008.4	17.70	50.13	84.04	99.92	160.6	542.2	41.35	566.6	389.5	387.1
12-Oct-15	12:39:45	277.9	11.42	0.999	3008.0	17.70	50.13	83.95	99.92	160.6	542.2	41.35	566.5	389.5	387.1
12-Oct-15	12:39:50	278.5	12.48	0.999	3005.6	17.70	50.14	83.41	99.93	160.6	542.1	41.35	566.5	389.5	387.1
12-Oct-15	12:39:55	278.6	12.98	0.999	3003.6	17.70	50.15	83.59	99.93	160.6	542.1	41.34	566.4	389.5	387.1
12-Oct-15	12:40:00	277.7	11.44	0.999	3009.1	17.70	50.16	84.24	99.93	160.5	542.1	41.34	566.3	389.5	387.1
12-Oct-15	12:40:05	277.9	12.17	0.999	3014.5	17.70	50.17	83.87	99.93	160.5	542.0	41.33	566.3	389.5	387.1
12-Oct-15	12:40:10	278.3	12.91	0.999	3007.8	17.70	50.16	83.50	99.93	160.5	542.0	41.33	566.2	389.5	387.1
12-Oct-15	12:40:15	278.6	13.24	0.999	3006.2	17.70	50.14	83.84	99.94	160.5	541.9	41.32	566.2	389.5	387.1
12-Oct-15	12:40:20	278.1	13.04	0.999	3010.2	17.70	50.13	83.86	99.94	160.5	541.9	41.32	566.1	389.5	387.1
12-Oct-15	12:40:25	278.4	12.84	0.999	3010.5	17.70	50.14	83.95	99.94	160.5	541.8	41.31	566.0	389.5	387.1
12-Oct-15	12:40:30	277.8	12.64	0.999	3007.5	17.70	50.14	84.32	99.94	160.5	541.8	41.31	566.0	389.5	387.1
12-Oct-15	12:40:35	277.6	12.44	0.999	3008.6	17.70	50.14	84.40	99.94	160.5	541.8	41.30	565.9	389.5	387.0
12-Oct-15	12:40:40	277.6	12.24	0.999	3007.9	17.70	50.15	84.47	99.95	160.5	541.7	41.30	565.9	389.5	387.1
12-Oct-15	12:40:45	278.1	12.03	0.999	3010.9	17.70	50.15	84.55	99.95	160.5	541.7	41.30	565.9	389.5	387.0
12-Oct-15	12:40:50	278.4	11.83	0.999	3007.7	17.70	50.16	84.62	99.95	160.5	541.7	41.30	565.9	389.4	387.0
12-Oct-15	12:40:55	278.2	11.63	0.999	3004.7	17.70	50.16	84.70	99.95	160.5	541.7	41.30	565.9	389.4	387.0
12-Oct-15	12:41:00	277.4	11.43	0.999	3007.6	17.70	50.17	84.77	99.95	160.5	541.7	41.30	565.9	389.4	387.0
12-Oct-15	12:41:05	278.0	11.74	0.999	3008.3	17.70	50.17	84.26	99.95	160.5	541.6	41.29	565.9	389.4	387.0
12-Oct-15	12:41:10	277.7	12.16	0.999	3009.1	17.70	50.18	84.39	99.95	160.5	541.6	41.28	565.8	389.4	387.0
12-Oct-15	12:41:15	277.9	12.57	0.999	3012.9	17.70	50.18	84.71	99.94	160.5	541.6	41.27	565.8	389.4	387.0
12-Oct-15	12:41:20	277.7	12.99	0.999	3012.4	17.70	50.18	84.30	99.94	160.5	541.6	41.27	565.7	389.4	387.0
12-Oct-15	12:41:25	278.2	13.41	0.999	3004.8	17.70	50.18	84.49	99.93	160.5	541.6	41.26	565.7	389.4	387.0
12-Oct-15	12:41:30	277.8	15.32	0.999	3007.1	17.70	50.13	84.71	99.92	160.5	541.5	41.25	565.6	389.4	387.0
12-Oct-15	12:41:35	277.5	14.47	0.999	3010.5	17.70	50.15	84.80	99.92	160.5	541.5	41.25	565.6	389.4	387.0
12-Oct-15	12:41:40	277.7	13.62	0.999	3013.8	17.70	50.17	84.71	99.91	160.5	541.5	41.24	565.5	389.4	387.0
12-Oct-15	12:41:45	278.0	13.69	0.999	3008.6	17.70	50.17	84.55	99.91	160.5	541.5	41.24	565.5	389.4	387.0
12-Oct-15	12:41:50	277.5	13.94	0.999	3013.1	17.70	50.16	85.18	99.91	160.4	541.5	41.24	565.5	389.4	387.0
12-Oct-15	12:41:55	278.0	14.20	0.999	3014.3	17.70	50.15	84.75	99.91	160.4	541.5	41.23	565.4	389.4	387.0
12-Oct-15	12:42:00	278.0	14.45	0.999	3011.9	17.70	50.14	85.01	99.92	160.4	541.5	41.23	565.4	389.4	387.0
12-Oct-15	12:42:05	277.7	14.71	0.999	3013.0	17.70	50.13	85.27	99.93	160.4	541.5	41.23	565.4	389.4	387.0
12-Oct-15	12:42:10	277.6	14.96	0.999	3014.3	17.70	50.18	85.27	99.94	160.4	541.5	41.22	565.3	389.4	387.0
12-Oct-15	12:42:15	277.6	15.22	0.999	3013.2	17.70	50.18	84.65	99.95	160.4	541.5	41.22	565.3	389.4	387.0
12-Oct-15	12:42:20	278.5	15.47	0.999	3010.8	17.70	50.18	84.59	99.95	160.4	541.5	41.22	565.3	389.4	387.0
12-Oct-15	12:42:25	277.6	13.41	0.999	3009.4	17.70	50.18	85.26	99.96	160.4	541.5	41.21	565.2	389.4	387.0
12-Oct-15	12:42:30	277.7	13.41	0.999	3008.1	17.70	50.18	85.42	99.97	160.4	541.5	41.21	565.2	389.4	387.0
12-Oct-15	12:42:35	277.4	13.41	0.999	3015.3	17.70	50.18	85.42	99.98	160.4	541.5	41.21	565.2	389.4	387.0
12-Oct-15	12:42:40	277.6	13.41	0.999	3015.1	17.70	50.18	85.42	99.98	160.4	541.4	41.21	565.2	389.4	387.0
12-Oct-15	12:42:45	277.5	13.41	0.999	3015.3	17.70	50.18	85.42	99.99	160.3	541.3	41.19	565.2	389.4	387.0
12-Oct-15	12:42:50	277.9	13.41	0.999	3011.3	17.70	50.18	84.54	99.99	160.2	541.2	41.17	565.2	389.4	387.0
12-Oct-15	12:42:55	277.3	13.41	0.999	3008.3	17.70	50.18	85.12	99.98	160.2	541.2	41.15	565.2	389.4	387.0
12-Oct-15	12:43:00	277.5	13.41	0.999	3013.0	17.70	50.18	85.14	99.97	160.1	541.2	41.14	565.2	389.4	387.0
12-Oct-15	12:43:05	278.1	13.41	0.999	3011.3	17.70	50.18	84.47	99.96	160.2	541.2	41.13	565.2	389.4	387.0
12-Oct-15	12:43:10	277.2	13.52	0.999	3008.2	17.70	50.15	85.14	99.96	160.1	541.1	41.12	565.1	389.4	387.0
12-Oct-15	12:43:15	277.0	13.66	0.999	3010.1	17.70	50.15	85.50	99.95	160.1	541.1	41.11	565.1	389.4	387.0
12-Oct-15	12:43:20	277.3	13.79	0.999	3009.5	17.69	50.15	85.62	99.94	160.1	541.1	41.11	565.1	389.4	387.0
12-Oct-15	12:43:25	277.5	13.83	0.999	3009.9	17.69	50.15	85.74	99.93	160.0	541.1	41.10	565.1	389.4	387.0
12-Oct-15	12:43:30	276.8	13.75	0.999	3008.1	17.69	50.16	85.85	99.92	160.0	541.1	41.10	565.1	389.4	387.0
12-Oct-15	12:43:35	276.9	13.67	0.999	3010.2	17.69	50.16	85.97	99.91	160.0	541.1	41.10	565.1	389.4	387.0
12-Oct-15	12:43:40	277.2	13.58	0.999	3007.9	17.69	50.16	85.51	99.90	160.0	541.0	41.10	565.1	389.4	387.0
12-Oct-15	12:43:45	277.0	13.50	0.999	3009.1	17.69	50.17	85.79	99.89	160.0	541.0	41.10	565.1	389.4	387.0
12-Oct-15	12:43:50	276.4	13.42	0.999	3008.6	17.69	50.17	86.05	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:43:55	277.0	13.33	0.999	3009.4	17.69	50.17	85.84	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:44:00	277.1	13.25	0.999	3009.8	17.69	50.18	85.63	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:44:05	276.8	13.16	0.999	3014.6	17.69	50.18	85.88	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:44:10	277.2	13.08	0.999	3009.0	17.69	50.18	85.65	99.88	160.0	541.0	41.08	565.1	389.3	387.0
12-Oct-15	12:														



Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:48:10	275.7	14.20	0.999	3006.6	17.70	50.11	86.56	99.94	158.3	542.1	40.76	566.1	389.0	386.6
12-Oct-15	12:48:15	275.4	14.67	0.999	3007.5	17.70	50.09	86.36	99.94	158.3	542.2	40.76	566.2	389.0	386.6
12-Oct-15	12:48:20	275.6	14.46	0.999	3004.2	17.70	50.09	86.17	99.93	158.3	542.3	40.77	566.3	389.1	386.6
12-Oct-15	12:48:25	275.8	14.25	0.999	3004.1	17.70	50.10	85.98	99.93	158.2	542.4	40.79	566.3	389.1	386.6
12-Oct-15	12:48:30	275.9	14.04	0.999	3007.2	17.70	50.10	85.78	99.93	158.2	542.5	40.80	566.4	389.0	386.6
12-Oct-15	12:48:35	276.0	13.83	0.999	3004.5	17.70	50.11	85.69	99.92	158.2	542.6	40.79	566.5	389.0	386.6
12-Oct-15	12:48:40	276.1	13.63	0.999	3006.6	17.69	50.11	85.60	99.92	158.2	542.6	40.78	566.5	389.0	386.6
12-Oct-15	12:48:45	275.5	13.42	0.999	3007.2	17.68	50.12	85.48	99.92	158.2	542.7	40.77	566.5	389.1	386.6
12-Oct-15	12:48:50	275.5	13.21	0.999	3007.5	17.67	50.12	85.71	99.92	158.3	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:48:55	275.3	13.00	0.999	3006.5	17.66	50.13	85.91	99.92	158.3	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:00	275.0	12.79	0.999	3010.7	17.65	50.14	86.39	99.92	158.3	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:05	275.4	13.10	0.999	3008.0	17.64	50.15	85.95	99.92	158.3	542.8	40.76	566.5	389.0	386.6
12-Oct-15	12:49:10	275.7	13.72	0.999	3011.2	17.63	50.17	85.30	99.92	158.4	542.8	40.76	566.5	389.0	386.6
12-Oct-15	12:49:15	275.4	14.33	0.999	3014.9	17.63	50.19	84.89	99.92	158.4	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:20	276.7	14.94	0.999	3007.0	17.62	50.15	84.44	99.92	158.4	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:25	276.9	13.82	0.999	2996.8	17.61	50.05	83.92	99.92	158.4	542.9	40.77	566.8	389.0	386.6
12-Oct-15	12:49:30	276.3	12.79	0.999	2996.3	17.60	50.04	84.53	99.92	158.5	543.1	40.78	567.0	389.1	386.6
12-Oct-15	12:49:35	275.5	12.24	0.999	3006.3	17.60	50.06	84.89	99.94	158.5	543.2	40.79	567.3	389.1	386.6
12-Oct-15	12:49:40	275.8	11.69	0.999	3003.5	17.60	50.07	84.45	99.96	158.5	543.3	40.80	567.3	389.1	386.6
12-Oct-15	12:49:45	276.3	11.16	0.999	3003.6	17.60	50.07	84.05	99.98	158.6	543.4	40.81	567.4	389.1	386.6
12-Oct-15	12:49:50	276.4	11.20	0.999	3006.3	17.61	50.08	84.40	100.00	158.6	543.5	40.82	567.4	389.1	386.6
12-Oct-15	12:49:55	276.5	11.25	0.999	3005.1	17.61	50.10	84.09	100.00	158.7	543.6	40.83	567.5	389.1	386.6
12-Oct-15	12:50:00	276.6	11.29	0.999	3006.7	17.62	50.11	83.77	99.99	158.7	543.6	40.83	567.6	389.1	386.6
12-Oct-15	12:50:05	276.5	11.34	0.999	3009.1	17.62	50.12	83.57	99.98	158.8	543.7	40.84	567.6	389.1	386.6
12-Oct-15	12:50:10	276.3	11.39	0.999	3011.0	17.62	50.11	83.38	99.98	158.9	543.7	40.85	567.7	389.1	386.6
12-Oct-15	12:50:15	277.2	11.44	0.999	3004.3	17.63	50.09	83.18	99.97	159.0	543.7	40.87	567.7	389.1	386.6
12-Oct-15	12:50:20	277.6	11.48	0.999	2999.9	17.63	50.07	83.17	99.97	159.1	543.8	40.88	567.8	389.1	386.6
12-Oct-15	12:50:25	277.5	11.53	1.000	3001.6	17.64	50.02	83.66	99.96	159.2	543.8	40.90	567.9	389.1	386.6
12-Oct-15	12:50:30	277.0	11.58	1.000	3003.2	17.64	50.04	84.02	99.96	159.3	543.9	40.91	567.9	389.1	386.7
12-Oct-15	12:50:35	277.3	11.63	1.000	3007.1	17.64	50.06	83.51	99.95	159.3	543.9	40.94	568.0	389.1	386.7
12-Oct-15	12:50:40	276.9	11.67	1.000	3007.5	17.64	50.05	83.10	99.94	159.4	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:50:45	277.8	11.72	1.000	3001.9	17.64	50.04	82.84	99.94	159.5	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:50:50	277.6	11.72	1.000	2999.7	17.64	50.02	82.69	99.93	159.6	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:50:55	277.5	11.72	1.000	2999.8	17.64	50.03	82.73	99.93	159.6	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:51:00	277.4	11.72	1.000	3000.4	17.64	50.05	83.02	99.93	159.6	544.1	41.01	568.0	389.1	386.7
12-Oct-15	12:51:05	277.0	11.72	1.000	3006.9	17.64	50.06	83.57	99.93	159.6	544.1	41.01	568.1	389.1	386.7
12-Oct-15	12:51:10	278.3	11.72	1.000	2999.9	17.64	50.04	82.21	99.93	159.7	544.2	41.02	568.3	389.2	386.7
12-Oct-15	12:51:15	277.8	11.72	1.000	3000.4	17.64	50.01	81.97	99.94	159.7	544.3	41.03	568.4	389.2	386.7
12-Oct-15	12:51:20	277.5	11.72	1.000	3001.9	17.64	50.01	82.04	99.94	159.7	544.3	41.03	568.5	389.2	386.7
12-Oct-15	12:51:25	277.8	11.72	1.000	2998.7	17.64	50.01	81.80	99.95	159.8	544.4	41.04	568.7	389.2	386.7
12-Oct-15	12:51:30	278.3	11.69	1.000	2998.5	17.63	49.97	81.83	99.95	159.8	544.5	41.04	568.7	389.2	386.7
12-Oct-15	12:51:35	277.1	12.11	1.000	3002.0	17.64	49.99	82.93	99.96	159.8	544.5	41.05	568.9	389.2	386.8
12-Oct-15	12:51:40	277.4	12.32	1.000	3001.3	17.64	50.01	82.58	99.96	159.9	544.6	41.06	568.9	389.2	386.8
12-Oct-15	12:51:45	277.2	12.52	1.000	3003.9	17.64	50.03	82.46	99.97	159.9	544.6	41.06	569.0	389.2	386.8
12-Oct-15	12:51:50	277.3	12.52	0.999	3007.4	17.65	50.06	82.56	99.97	159.9	544.7	41.07	569.0	389.2	386.8
12-Oct-15	12:51:55	277.0	12.51	1.000	3007.5	17.65	50.05	82.63	99.97	159.9	544.7	41.07	569.0	389.2	386.8
12-Oct-15	12:52:00	278.0	12.51	1.000	3003.3	17.65	50.03	81.97	99.97	160.0	544.7	41.08	569.0	389.2	386.8
12-Oct-15	12:52:05	277.8	12.51	1.000	3000.9	17.65	50.01	81.85	99.97	160.0	544.7	41.09	569.0	389.3	386.8
12-Oct-15	12:52:10	278.0	12.50	1.000	2998.5	17.66	49.99	81.86	99.97	160.0	544.7	41.09	569.0	389.3	386.8
12-Oct-15	12:52:15	278.1	12.50	1.000	2995.9	17.66	49.95	81.86	99.97	160.0	544.7	41.10	569.0	389.3	386.9
12-Oct-15	12:52:20	277.6	12.50	1.000	2998.3	17.66	49.92	82.22	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:25	277.0	12.50	1.000	3002.8	17.67	49.96	82.82	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:30	277.1	12.49	1.000	3007.5	17.67	50.02	82.46	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:35	277.5	12.49	0.999	3005.7	17.67	50.06	82.10	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:40	278.1	12.49	0.999	2999.5	17.67	50.03	81.44	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:45	277.7	12.48	0.999	2994.7	17.67	49.93	81.44	99.97	160.0	544.7	41.12	568.9	389.3	386.9
12-Oct-15	12:52:50	277.1	13.21	0.999	2995.2	17.67	49.94	82.66	99.92	160.1	544.7	41.14	568.9	389.3	386.9
12-Oct-15	12:52:55	277.9	13.21	0.999	3001.4	17.67	49.96	82.22	99.92	160.1	544.7	41.15	568.9	389.3	386.9
12-Oct-15	12:53:00	277.6	14.41	0.999	3000.9	17.67	49.97	82.22	99.92	160.1	544.7	41.16	568.8	389.3	386.9
12-Oct-15	12:53:05	277.9	14.41	0.999	2997.6	17.67	49.97	82.46	99.92	160.2	544.7	41.16	568.7	389.3	387.0
12-Oct-15	12:53:10	277.3	14.04	0.999	2999.9	17.67	49.99	82.60	99.92	160.2	544.7	41.17	568.7	389.3	387.0
12-Oct-15	12:53:15	277.3	13.60	0.999	3000.1	17.67	50.01	82.32	99.92	160.2	544.7	41.18	568.6	389.3	386.9
12-Oct-15	12:53:20	278.0	13.16	0.999	2996.6	17.66	49.98	81.74	99.92	160.2	544.7	41.18	568.6	389.3	387.0
12-Oct-15	12:53:25	278.1	12.71	0.999	2993.3	17.66	49.94	81.68	99.92	160.2	544.7	41.19	568.5	389.3	387.0
12-Oct-15	12:53:30	277.9	12.50	0.999	2993.8	17.66	49.92	82.27	99.92	160.2	544.7	41.19	568.4	389.3	387.0
12-Oct-15	12:53:35	277.5	13.03	0.999	2994.4	17.66	49.94	82.88	99.92	160.2	544.7	41.20	568.4	389.3	387.0
12-Oct-15	12:53:40	277.6	13.57	0.999	2997.6	17.66	49.95	82.65	99.92	160.2	544.7	41.20	568.4	389.3	387.0
12-Oct-15	12:53:45	277.3	14.10	0.999	3002.9	17.66	49.96	82.73	99.92	160.2	544.7	41.21	568.4	389.3	387.0
12-Oct-15	12:53:50	277.9	14.30	0.999	2999.3	17.66	49.96	82.32	99.92	160.2	544.7	41.21	568.4	389.3	387.0
12-Oct-15	12:53:55	277.7	14.30	0.999	2998.1	17.66	49.95	82.31	99.92	160.3	544.7	41.21	568.4	389.3	387.0
12-Oct-15	12:54:00	277.9	14.30	0.999	2998.1	17.66	49.94	82.37	99.92	160.3	544.7	41.21	568.4	389.3	387.0
12-Oct-15	12:54:05	277.8													

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power MVar	Power Factor -	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:58:00	276.9	11.38	0.999	2997.9	17.67	49.96	82.77	99.98	160.3	544.1	41.15	565.6	389.3	387.0
12-Oct-15	12:58:05	278.0	11.38	0.999	2994.7	17.67	49.96	82.13	99.98	160.3	544.1	41.14	565.6	389.3	387.0
12-Oct-15	12:58:10	278.0	11.67	0.999	2987.8	17.67	49.88	81.77	99.98	160.3	544.1	41.13	565.6	389.3	387.0
12-Oct-15	12:58:15	277.0	12.01	0.999	2991.7	17.67	49.88	83.02	99.98	160.3	544.1	41.12	565.6	389.3	387.0
12-Oct-15	12:58:20	277.1	12.35	0.999	2994.3	17.67	49.91	82.47	99.98	160.3	544.1	41.11	565.6	389.3	387.0
12-Oct-15	12:58:25	277.5	12.69	0.999	2994.0	17.67	49.92	82.64	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:30	277.0	13.03	0.999	2995.6	17.67	49.93	83.21	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:35	277.2	13.24	0.999	2995.5	17.67	49.94	83.04	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:40	277.2	13.02	0.999	2996.5	17.67	49.95	82.88	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:45	277.5	12.79	0.999	2995.5	17.67	49.95	82.72	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:50	277.3	12.57	0.999	2995.6	17.67	49.91	83.00	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:55	276.8	12.34	0.999	2998.7	17.67	49.94	83.19	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:00	277.0	12.12	0.999	2999.2	17.67	49.96	83.18	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:05	277.2	11.89	0.999	3002.6	17.67	49.98	83.18	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:10	277.2	11.67	0.999	3001.4	17.67	49.99	83.17	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:15	277.2	11.45	0.999	2999.7	17.67	50.01	83.16	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:20	277.4	11.27	0.999	3002.5	17.67	50.02	83.15	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:25	277.2	11.27	0.999	2996.8	17.67	50.03	83.14	99.98	160.3	544.1	41.09	565.6	389.3	387.0
12-Oct-15	12:59:30	277.0	11.27	0.999	2998.2	17.67	50.03	83.29	99.98	160.3	544.1	41.09	565.6	389.3	387.0
12-Oct-15	12:59:35	277.1	11.27	0.999	3001.7	17.67	50.04	83.48	99.97	160.3	544.1	41.09	565.4	389.3	387.0
12-Oct-15	12:59:40	277.2	11.27	0.999	3003.0	17.67	50.05	83.25	99.96	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	12:59:45	277.4	11.27	0.999	3006.9	17.67	50.06	83.02	99.96	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	12:59:50	277.6	11.51	0.999	3003.3	17.67	50.04	82.79	99.95	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	12:59:55	277.4	11.79	0.999	3003.9	17.67	50.03	83.11	99.95	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	13:00:00	277.2	12.07	0.999	3005.1	17.67	50.01	83.56	99.95	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	13:00:05	277.1	12.25	0.999	3006.2	17.67	50.03	83.92	99.95	160.4	544.2	41.08	565.6	389.3	387.0
12-Oct-15	13:00:10	277.2	12.62	0.999	3007.3	17.67	50.05	84.10	99.95	160.4	544.3	41.08	565.6	389.3	387.0
12-Oct-15	13:00:15	277.7	12.90	0.999	3003.2	17.67	50.04	83.20	99.95	160.4	544.3	41.08	565.6	389.3	387.0
12-Oct-15	13:00:20	278.3	13.16	0.999	3002.8	17.67	50.00	82.71	99.96	160.4	544.3	41.08	565.6	389.3	387.0
12-Oct-15	13:00:25	277.5	12.59	0.999	3000.9	17.67	50.00	83.71	99.96	160.4	544.3	41.08	565.7	389.3	387.0
12-Oct-15	13:00:30	277.6	12.02	0.999	3003.2	17.67	50.00	83.72	99.96	160.4	544.4	41.08	565.7	389.3	387.0
12-Oct-15	13:00:35	277.6	11.46	0.999	2997.0	17.67	50.00	83.73	99.96	160.4	544.4	41.08	565.7	389.3	387.0
12-Oct-15	13:00:40	277.4	11.25	0.999	3000.8	17.67	50.00	83.74	99.96	160.4	544.4	41.08	565.7	389.3	387.0
12-Oct-15	13:00:45	277.7	11.25	0.999	2999.2	17.67	49.99	83.75	99.96	160.4	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:00:50	277.4	11.25	0.999	2998.5	17.67	49.99	83.77	99.96	160.4	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:00:55	276.9	11.25	0.999	3000.5	17.67	49.99	83.78	99.96	160.4	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:01:00	277.9	11.25	0.999	2999.8	17.67	49.99	83.17	99.96	160.3	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:01:05	277.4	11.25	0.999	3003.0	17.67	49.99	83.66	99.96	160.3	544.5	41.08	565.8	389.3	387.0
12-Oct-15	13:01:10	277.7	11.25	0.999	3002.6	17.67	49.98	83.32	99.96	160.3	544.5	41.08	565.8	389.3	387.1
12-Oct-15	13:01:15	277.6	11.25	0.999	3001.2	17.67	49.98	83.06	99.96	160.2	544.5	41.08	565.9	389.3	387.1
12-Oct-15	13:01:20	277.4	11.25	0.999	2998.5	17.67	49.98	83.59	99.95	160.2	544.5	41.08	565.9	389.3	387.1
12-Oct-15	13:01:25	277.3	11.25	0.999	2999.3	17.67	49.98	83.12	99.95	160.2	544.5	41.08	566.0	389.3	387.1
12-Oct-15	13:01:30	277.4	11.61	0.999	2996.4	17.67	49.99	83.14	99.94	160.2	544.5	41.08	566.1	389.3	387.1
12-Oct-15	13:01:35	277.6	12.05	0.999	2999.4	17.67	49.99	82.89	99.94	160.2	544.4	41.08	566.1	389.3	387.1
12-Oct-15	13:01:40	276.6	12.44	0.999	2997.9	17.67	50.00	83.66	99.94	160.2	544.4	41.07	566.1	389.3	387.1
12-Oct-15	13:01:45	277.8	12.79	0.999	2997.2	17.67	50.01	82.61	99.93	160.1	544.4	41.07	566.1	389.3	387.1
12-Oct-15	13:01:50	277.5	13.13	0.999	2997.4	17.68	50.01	82.92	99.93	160.1	544.4	41.06	566.1	389.3	387.1
12-Oct-15	13:01:55	277.3	13.48	0.999	2997.6	17.68	50.02	83.22	99.92	160.1	544.4	41.06	566.1	389.3	387.1
12-Oct-15	13:02:00	277.1	13.82	0.999	2999.9	17.68	50.02	83.52	99.92	160.1	544.4	41.05	566.1	389.3	387.1
12-Oct-15	13:02:05	276.6	14.17	0.999	3003.6	17.68	50.03	83.93	99.92	160.1	544.4	41.05	566.1	389.3	387.1
12-Oct-15	13:02:10	277.3	14.36	0.999	3003.0	17.69	50.02	83.25	99.92	160.1	544.4	41.04	566.1	389.3	387.1
12-Oct-15	13:02:15	277.6	14.36	0.999	3000.1	17.69	50.00	82.71	99.92	160.1	544.4	41.04	566.1	389.3	387.1
12-Oct-15	13:02:20	277.9	14.36	0.999	2999.5	17.69	49.98	82.97	99.92	160.1	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:02:25	276.8	14.36	0.999	2998.6	17.69	49.99	83.38	99.92	160.1	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:02:30	276.8	14.36	0.999	2997.3	17.69	50.00	83.63	99.92	160.1	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:02:35	277.0	14.36	0.999	3000.8	17.70	50.02	83.69	99.92	160.1	544.4	41.03	566.0	389.3	387.1
12-Oct-15	13:02:40	277.1	14.36	0.999	2999.8	17.70	50.03	83.56	99.92	160.1	544.4	41.03	566.0	389.3	387.1
12-Oct-15	13:02:45	276.6	14.36	0.999	2999.8	17.70	50.02	83.69	99.92	160.1	544.3	41.03	566.0	389.3	387.1
12-Oct-15	13:02:50	277.1	14.36	0.999	2999.8	17.70	50.01	83.30	99.94	160.1	544.3	41.03	566.0	389.3	387.1
12-Oct-15	13:02:55	277.3	14.36	0.999	2999.5	17.70	49.99	82.84	99.95	160.1	544.3	41.03	566.1	389.3	387.1
12-Oct-15	13:03:00	277.3	14.36	0.999	2997.1	17.70	49.98	83.31	99.95	160.1	544.3	41.03	566.1	389.3	387.1
12-Oct-15	13:03:05	277.4	14.36	0.999	2996.6	17.70	49.98	83.16	99.95	160.1	544.3	41.03	566.1	389.3	387.1
12-Oct-15	13:03:10	277.2	14.04	0.999	2999.1	17.69	49.97	83.22	99.95	160.0	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:03:15	276.4	14.09	0.999	3000.3	17.69	49.96	83.59	99.95	160.0	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:03:20	277.1	14.14	0.999	3002.4	17.69	49.95	82.97	99.94	160.0	544.4	41.02	566.1	389.3	387.1
12-Oct-15	13:03:25	277.8	14.19	0.999	2998.5	17.69	49.94	82.97	99.94	160.0	544.5	41.02	566.1	389.3	387.1
12-Oct-15	13:03:30	277.1	14.24	0.999	2999.0	17.69	49.94	83.48	99.94	159.9	544.5	41.01	566.1	389.3	387.1
12-Oct-15	13:03:35	276.6	14.29	0.999	2999.5	17.68	49.96	83.83	99.94	159.9	544.5	41.00	566.1	389.3	387.1
12-Oct-15	13:03:40	276.4	14.34	0.999	3003.4	17.68	49.98	83.97	99.94	159.8	544.6	40.99	566.1	389.3	387.1
12-Oct-15	13:03:45	276.7	14.38	0.999	2999.7	17.68	49.98	83.59	99.94	159.8	544.6	40.99	566.1	389.3	387.1
12-Oct-15	13:03:50	277.2	14.43	0.999	3000.0	17.68	49.96	83.09	99.94	159.7	544.6	40.98	566.1	389.3	387.1
12-Oct-15	1														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:07:50	275.9	14.82	0.999	2999.8	17.70	49.96	85.12	99.92	159.5	546.5	40.97	566.7	389.2	387.1
12-Oct-15	13:07:55	276.3	14.82	0.999	3006.6	17.70	50.04	84.83	99.90	159.5	546.7	40.98	566.7	389.2	387.1
12-Oct-15	13:08:00	277.2	14.82	0.999	3001.1	17.70	50.04	84.33	99.90	159.5	546.8	40.99	566.7	389.2	387.1
12-Oct-15	13:08:05	276.3	14.82	0.999	3004.4	17.70	50.04	84.43	99.91	159.5	546.8	40.99	566.7	389.2	387.1
12-Oct-15	13:08:10	276.4	14.92	0.999	3005.1	17.70	50.09	84.35	99.91	159.5	546.8	40.99	566.8	389.2	387.1
12-Oct-15	13:08:15	277.5	15.03	0.999	3002.8	17.70	50.05	83.93	99.91	159.5	546.9	40.99	566.8	389.2	387.1
12-Oct-15	13:08:20	276.9	15.14	0.999	3003.1	17.70	50.03	84.37	99.92	159.5	546.9	40.99	566.8	389.2	387.1
12-Oct-15	13:08:25	276.9	15.25	0.999	3002.0	17.70	50.03	84.34	99.92	159.5	547.0	40.99	566.8	389.2	387.1
12-Oct-15	13:08:30	276.7	15.28	0.999	3002.3	17.70	50.02	84.18	99.92	159.5	547.0	40.99	566.8	389.2	387.1
12-Oct-15	13:08:35	276.9	15.06	0.999	3001.8	17.69	50.01	83.82	99.93	159.5	547.0	40.99	566.9	389.2	387.1
12-Oct-15	13:08:40	276.8	14.85	0.999	3001.2	17.69	50.00	83.73	99.93	159.5	547.1	40.99	566.9	389.2	387.1
12-Oct-15	13:08:45	277.0	14.63	0.999	3000.5	17.69	50.00	83.97	99.93	159.5	547.1	40.99	566.9	389.2	387.1
12-Oct-15	13:08:50	277.1	14.41	0.999	2998.8	17.69	49.99	84.20	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:08:55	276.8	14.20	0.999	2997.1	17.68	49.99	84.44	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:00	276.6	13.98	0.999	3000.5	17.68	50.03	84.43	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:05	277.1	13.76	0.999	3000.2	17.68	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:10	276.8	13.55	0.999	3000.6	17.68	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:15	276.6	13.33	0.999	3000.2	17.68	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:20	276.5	13.07	0.999	2999.9	17.67	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:25	276.4	12.68	0.999	3005.5	17.67	50.04	83.58	99.94	159.5	547.2	41.00	566.9	389.2	387.1
12-Oct-15	13:09:30	276.8	12.29	0.999	3004.2	17.67	50.04	83.46	99.94	159.6	547.2	41.00	566.9	389.2	387.1
12-Oct-15	13:09:35	277.4	11.91	0.999	3000.6	17.67	50.04	83.19	99.95	159.6	547.1	41.01	566.9	389.2	387.2
12-Oct-15	13:09:40	277.6	11.52	0.999	3002.8	17.67	50.04	82.92	99.95	159.6	547.1	41.01	566.9	389.2	387.1
12-Oct-15	13:09:45	277.4	11.14	0.999	3001.8	17.67	50.04	83.21	99.95	159.7	547.1	41.02	566.9	389.2	387.1
12-Oct-15	13:09:50	277.4	9.28	0.999	3003.0	17.66	50.02	83.05	99.96	159.7	547.1	41.02	567.0	389.2	387.2
12-Oct-15	13:09:55	277.4	9.37	0.999	3001.3	17.66	50.01	82.80	99.96	159.8	547.1	41.03	567.0	389.2	387.2
12-Oct-15	13:10:00	277.8	9.45	0.999	2998.7	17.66	49.99	82.57	99.96	159.8	547.1	41.03	567.1	389.3	387.2
12-Oct-15	13:10:05	277.5	9.54	0.999	2999.3	17.65	49.97	82.45	99.96	159.8	547.2	41.03	567.1	389.3	387.2
12-Oct-15	13:10:10	277.3	9.63	0.999	2998.8	17.65	49.96	82.33	99.95	159.9	547.2	41.04	567.2	389.3	387.2
12-Oct-15	13:10:15	277.8	9.71	0.999	2998.2	17.65	49.94	82.21	99.95	159.9	547.2	41.04	567.2	389.3	387.2
12-Oct-15	13:10:20	277.5	9.80	0.999	2993.5	17.65	49.95	82.09	99.95	159.9	547.3	41.04	567.3	389.3	387.2
12-Oct-15	13:10:25	277.2	9.88	0.999	2998.1	17.64	49.96	81.97	99.94	159.9	547.3	41.05	567.3	389.3	387.2
12-Oct-15	13:10:30	277.4	9.97	0.999	2996.9	17.64	49.97	81.84	99.94	160.0	547.3	41.05	567.3	389.3	387.2
12-Oct-15	13:10:35	277.2	10.05	0.999	3000.1	17.64	49.98	81.72	99.94	160.0	547.4	41.05	567.4	389.3	387.2
12-Oct-15	13:10:40	277.3	10.14	0.999	3000.0	17.64	49.97	81.60	99.94	160.0	547.4	41.05	567.4	389.3	387.2
12-Oct-15	13:10:45	278.5	10.22	0.999	2998.5	17.64	49.95	81.15	99.93	160.0	547.4	41.06	567.4	389.3	387.2
12-Oct-15	13:10:50	277.7	8.10	0.999	2992.6	17.64	49.93	81.29	99.93	160.0	547.5	41.06	567.4	389.3	387.2
12-Oct-15	13:10:55	278.0	7.64	0.999	2994.6	17.64	49.91	81.55	99.93	160.0	547.5	41.06	567.4	389.3	387.3
12-Oct-15	13:11:00	278.0	7.19	0.999	2995.1	17.64	49.89	81.20	99.93	160.0	547.5	41.06	567.4	389.3	387.3
12-Oct-15	13:11:05	277.5	6.73	0.999	2995.6	17.64	49.90	81.68	99.93	160.1	547.5	41.07	567.4	389.3	387.3
12-Oct-15	13:11:10	277.6	6.28	0.999	3002.6	17.64	49.94	82.01	99.93	160.1	547.5	41.07	567.5	389.3	387.3
12-Oct-15	13:11:15	277.3	7.25	0.999	3002.4	17.64	50.01	81.47	99.93	160.1	547.6	41.07	567.5	389.3	387.3
12-Oct-15	13:11:20	277.9	8.20	0.999	2996.9	17.64	50.02	81.02	99.92	160.1	547.6	41.07	567.5	389.3	387.3
12-Oct-15	13:11:25	277.7	8.20	0.999	2998.6	17.64	49.99	80.70	99.92	160.2	547.6	41.08	567.5	389.3	387.3
12-Oct-15	13:11:30	277.8	7.83	0.999	2997.2	17.62	49.97	80.38	99.92	160.2	547.6	41.08	567.6	389.4	387.3
12-Oct-15	13:11:35	278.4	7.39	0.999	2994.0	17.60	49.94	80.11	99.92	160.2	547.7	41.08	567.6	389.4	387.3
12-Oct-15	13:11:40	277.8	6.94	0.999	2992.8	17.60	49.99	80.67	99.92	160.2	547.7	41.08	567.6	389.4	387.3
12-Oct-15	13:11:45	277.6	6.50	0.999	2995.0	17.60	49.89	80.98	99.92	160.2	547.7	41.09	567.6	389.4	387.3
12-Oct-15	13:11:50	277.9	6.91	0.999	2997.0	17.60	49.89	80.63	99.92	160.2	547.7	41.09	567.6	389.4	387.4
12-Oct-15	13:11:55	278.5	8.34	0.999	2988.5	17.60	49.89	80.15	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:00	277.7	7.47	0.999	2992.1	17.60	49.90	80.70	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:05	277.4	6.61	0.999	2997.8	17.60	49.90	81.06	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:10	277.7	8.18	0.999	2995.3	17.60	49.90	80.38	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:15	278.5	8.51	0.999	2989.1	17.60	49.91	79.71	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:20	277.3	8.51	0.999	2992.5	17.60	49.91	80.35	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:25	277.5	8.51	0.999	2995.5	17.60	49.91	80.23	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:30	277.7	8.51	0.999	2998.1	17.60	49.91	80.13	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:35	277.7	8.51	0.999	2994.6	17.60	49.92	80.13	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:40	277.7	8.51	0.999	2996.4	17.60	49.92	80.13	99.92	160.3	547.7	41.09	567.2	389.4	387.4
12-Oct-15	13:12:45	277.5	8.51	0.999	2998.7	17.60	49.91	80.13	99.92	160.4	547.6	41.09	567.2	389.4	387.4
12-Oct-15	13:12:50	277.5	8.51	0.999	2998.7	17.60	49.90	80.23	99.92	160.4	547.5	41.09	567.2	389.4	387.4
12-Oct-15	13:12:55	278.0	8.51	0.999	2998.2	17.60	49.89	80.45	99.91	160.5	547.4	41.09	567.1	389.4	387.4
12-Oct-15	13:13:00	278.2	8.51	0.999	2995.7	17.60	49.88	80.67	99.92	160.5	547.4	41.10	567.1	389.4	387.4
12-Oct-15	13:13:05	278.1	8.51	0.999	2992.9	17.60	49.87	80.88	99.92	160.6	547.4	41.11	567.1	389.5	387.4
12-Oct-15	13:13:10	277.8	7.44	0.999	2995.7	17.60	49.89	81.10	99.92	160.6	547.5	41.12	567.1	389.5	387.5
12-Oct-15	13:13:15	277.7	7.10	0.999	2996.9	17.60	49.92	80.70	99.93	160.6	547.5	41.13	567.0	389.5	387.5
12-Oct-15	13:13:20	278.0	7.31	0.999	2999.5	17.60	49.91	80.20	99.93	160.7	547.5	41.14	567.0	389.5	387.5
12-Oct-15	13:13:25	277.9	7.52	0.999	2998.9	17.60	49.91	80.41	99.94	160.7	547.5	41.14	567.0	389.5	387.4
12-Oct-15	13:13:30	278.0	7.73	0.999	2995.4	17.60	49.90	80.62	99.94	160.7	547.5	41.15	566.9	389.5	387.4
12-Oct-15	13:13:35	277.9	7.94	0.999	2995.9	17.60	49.89	80.83	99.94	160.7	547.5	41.16	566.9	389.5	387.5
12-Oct-15	13:13:40	278.2	8.15	0.999	2998.7	17.61	49.88	80.67	99.95	160.8	547.5	41.16	566.9	389.5	387.5
12-Oct-15	13:13:45	278.7	8.35	0.999	2989.0	17.61	49.8								

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:17:40	277.7	9.56	0.999	2995.7	17.66	49.90	83.40	99.98	160.7	545.9	41.16	565.4	389.5	387.5
12-Oct-15	13:17:45	277.1	9.56	0.999	2997.5	17.66	49.93	83.77	99.98	160.6	545.9	41.15	565.2	389.5	387.5
12-Oct-15	13:17:50	276.8	9.56	0.999	3002.5	17.66	49.98	83.53	99.96	160.6	545.8	41.14	565.2	389.5	387.5
12-Oct-15	13:17:55	277.1	9.56	0.999	3002.9	17.66	50.03	82.98	99.90	160.5	545.7	41.13	565.2	389.5	387.5
12-Oct-15	13:18:00	278.4	9.56	0.999	2996.6	17.66	49.98	81.89	99.89	160.5	545.7	41.12	565.2	389.5	387.5
12-Oct-15	13:18:05	277.7	9.56	0.999	2994.8	17.66	49.94	82.91	99.89	160.4	545.7	41.12	565.1	389.5	387.5
12-Oct-15	13:18:10	277.5	8.84	0.999	2994.8	17.66	49.89	83.28	99.89	160.4	545.8	41.12	565.1	389.5	387.5
12-Oct-15	13:18:15	277.3	8.58	0.999	2992.7	17.65	49.91	83.66	99.89	160.4	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:20	276.7	8.33	0.999	2996.4	17.65	49.92	83.65	99.89	160.3	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:25	277.1	8.07	0.999	2998.7	17.65	49.96	83.42	99.89	160.3	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:30	276.8	7.82	0.999	2999.7	17.64	49.99	83.20	99.89	160.3	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:35	277.1	7.56	0.999	3002.5	17.64	50.03	82.97	99.89	160.3	545.9	41.11	565.1	389.5	387.5
12-Oct-15	13:18:40	278.0	7.31	0.999	2996.7	17.64	50.00	82.75	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:18:45	277.8	7.05	0.999	2995.0	17.63	49.91	83.26	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:18:50	276.8	6.99	0.999	2997.0	17.63	49.90	83.96	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:18:55	277.1	6.97	0.999	2998.2	17.63	49.96	83.90	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:19:00	277.5	6.95	0.999	2999.9	17.62	49.98	83.77	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:19:05	277.5	6.93	0.999	2995.5	17.62	49.99	83.87	99.88	160.3	545.9	41.10	565.0	389.5	387.5
12-Oct-15	13:19:10	276.9	6.91	0.999	2998.4	17.62	50.00	83.97	99.88	160.3	545.9	41.10	565.0	389.5	387.5
12-Oct-15	13:19:15	276.7	6.89	0.999	3001.2	17.61	50.01	84.07	99.88	160.3	545.9	41.10	565.0	389.5	387.5
12-Oct-15	13:19:20	276.6	6.88	0.999	3001.7	17.61	50.02	84.17	99.88	160.2	546.0	41.09	565.0	389.5	387.5
12-Oct-15	13:19:25	276.8	6.86	0.999	3000.5	17.61	50.03	83.93	99.88	160.1	546.0	41.05	565.0	389.5	387.5
12-Oct-15	13:19:30	276.7	6.84	0.999	3007.4	17.60	50.02	84.25	99.88	160.1	546.0	41.05	565.0	389.5	387.5
12-Oct-15	13:19:35	277.3	6.82	0.999	2999.8	17.60	50.00	83.96	99.90	160.1	546.1	41.04	565.0	389.5	387.5
12-Oct-15	13:19:40	277.1	6.80	0.999	2996.9	17.60	49.98	84.27	99.91	160.0	546.1	41.03	565.0	389.5	387.5
12-Oct-15	13:19:45	276.9	6.78	0.999	2999.6	17.60	49.98	84.58	99.92	160.0	546.1	41.02	565.1	389.5	387.5
12-Oct-15	13:19:50	276.4	6.73	0.999	2999.7	17.60	50.01	84.45	99.93	160.0	546.2	41.02	565.1	389.5	387.5
12-Oct-15	13:19:55	277.0	6.67	0.999	2999.8	17.60	50.03	83.85	99.94	160.0	546.2	41.01	565.1	389.5	387.5
12-Oct-15	13:20:00	276.7	6.62	0.998	3000.0	17.60	50.03	84.33	99.95	160.0	546.2	41.00	565.2	389.5	387.5
12-Oct-15	13:20:05	276.8	6.56	0.999	3003.7	17.60	50.03	84.67	99.95	160.0	546.2	41.00	565.2	389.5	387.5
12-Oct-15	13:20:10	277.2	6.51	0.999	3003.1	17.60	50.04	84.13	99.94	160.0	546.3	41.00	565.2	389.5	387.5
12-Oct-15	13:20:15	277.1	6.46	0.999	3003.2	17.60	50.04	83.91	99.94	160.0	546.3	41.00	565.2	389.5	387.5
12-Oct-15	13:20:20	276.5	6.40	0.999	3000.5	17.60	50.04	84.65	99.94	160.0	546.3	41.00	565.3	389.5	387.5
12-Oct-15	13:20:25	276.7	6.35	0.999	3002.9	17.60	50.04	84.77	99.94	160.0	546.3	41.00	565.3	389.5	387.5
12-Oct-15	13:20:30	276.8	6.29	0.999	3001.0	17.60	50.04	84.76	99.94	159.9	546.3	41.00	565.3	389.5	387.5
12-Oct-15	13:20:35	276.5	6.24	0.999	3001.0	17.60	50.04	84.76	99.94	159.9	546.4	41.00	565.4	389.5	387.5
12-Oct-15	13:20:40	276.6	6.19	0.999	3002.6	17.60	50.05	84.85	99.94	159.8	546.4	41.00	565.4	389.5	387.5
12-Oct-15	13:20:45	276.4	6.13	0.999	3004.7	17.60	50.05	85.21	99.94	159.8	546.4	41.00	565.4	389.5	387.5
12-Oct-15	13:20:50	276.8	6.32	0.999	3002.5	17.60	50.05	84.83	99.94	159.8	546.4	41.00	565.4	389.4	387.5
12-Oct-15	13:20:55	278.7	6.66	0.999	3002.9	17.60	50.05	84.76	99.93	159.8	546.4	41.00	565.4	389.4	387.5
12-Oct-15	13:21:00	277.1	6.59	0.999	3006.7	17.60	50.03	84.76	99.93	159.8	546.5	41.01	565.4	389.4	387.5
12-Oct-15	13:21:05	276.7	7.32	0.999	3004.7	17.60	50.02	84.76	99.93	159.7	546.5	41.01	565.4	389.4	387.5
12-Oct-15	13:21:10	276.7	7.65	0.999	2999.7	17.60	50.01	84.84	99.94	159.7	546.6	41.01	565.4	389.4	387.5
12-Oct-15	13:21:15	276.6	7.99	0.999	2996.5	17.60	50.00	85.02	99.94	159.6	546.7	41.01	565.4	389.4	387.5
12-Oct-15	13:21:20	276.4	8.04	0.999	3000.5	17.60	50.00	85.21	99.94	159.6	546.7	41.01	565.4	389.4	387.5
12-Oct-15	13:21:25	276.1	8.04	0.999	3003.2	17.60	50.00	85.44	99.95	159.5	546.8	41.01	565.4	389.4	387.5
12-Oct-15	13:21:30	276.1	6.02	0.999	3001.9	17.60	50.02	85.70	99.95	159.5	546.9	41.00	565.5	389.4	387.5
12-Oct-15	13:21:35	276.3	5.61	0.999	3000.5	17.60	50.05	85.98	99.96	159.5	546.9	41.00	565.5	389.4	387.5
12-Oct-15	13:21:40	276.0	5.20	0.999	3006.2	17.60	50.07	86.26	99.96	159.5	547.0	41.00	565.5	389.4	387.5
12-Oct-15	13:21:45	275.6	4.79	0.999	3008.2	17.60	50.09	86.51	99.96	159.5	547.1	41.00	565.5	389.3	387.5
12-Oct-15	13:21:50	276.0	4.38	0.999	3010.2	17.60	50.15	86.16	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:21:55	276.2	4.40	0.999	3014.0	17.60	50.15	85.81	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:00	276.8	5.83	0.999	3007.8	17.60	50.14	85.49	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:05	276.3	5.06	0.999	3007.4	17.60	50.13	85.97	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:10	275.8	4.26	0.999	3007.7	17.60	50.13	86.47	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:15	276.1	4.69	0.999	3010.7	17.59	50.12	86.06	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:20	276.2	5.12	0.999	3010.5	17.59	50.12	85.68	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:25	276.7	5.84	0.999	3008.2	17.59	50.11	85.27	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:30	276.7	5.97	0.999	3004.3	17.59	50.10	85.07	99.97	159.4	547.2	40.99	565.5	389.3	387.4
12-Oct-15	13:22:35	277.2	6.36	0.999	3002.2	17.59	50.07	85.30	99.97	159.4	547.2	40.99	565.5	389.3	387.4
12-Oct-15	13:22:40	275.9	6.68	0.999	3004.4	17.59	50.01	86.18	99.97	159.4	547.3	40.99	565.6	389.3	387.4
12-Oct-15	13:22:45	275.2	7.01	0.999	3011.2	17.59	50.09	86.65	99.97	159.4	547.6	40.97	565.8	389.3	387.4
12-Oct-15	13:22:50	275.2	7.34	0.999	3014.3	17.59	50.16	86.34	99.96	159.3	547.8	40.96	565.9	389.3	387.4
12-Oct-15	13:22:55	276.0	7.67	0.999	3011.3	17.59	50.18	85.81	99.94	159.3	548.0	40.94	565.9	389.3	387.4
12-Oct-15	13:23:00	276.1	8.00	0.999	3014.6	17.59	50.20	85.47	99.93	159.3	548.2	40.94	566.0	389.3	387.4
12-Oct-15	13:23:05	276.9	8.31	0.998	3009.5	17.59	50.16	85.13	99.93	159.3	548.3	40.95	566.0	389.3	387.4
12-Oct-15	13:23:10	276.3	7.48	0.998	3005.5	17.59	50.16	85.93	99.93	159.3	548.4	40.96	566.1	389.3	387.4
12-Oct-15	13:23:15	275.9	6.50	0.999	3010.8	17.60	50.17	86.56	99.93	159.3	548.4	40.96	566.1	389.3	387.4
12-Oct-15	13:23:20	275.9	6.37	0.999	3014.3	17.61	50.18	86.27	99.94	159.3	548.5	40.97	566.2	389.3	387.4
12-Oct-15	13:23:25	276.5	6.40	0.999	3013.8	17.61	50.19	85.89	99.94	159.3	548.6	40.97	566.2	389.3	387.4
12-Oct-15	13:23:30	276.3	6.44	0.999	3013.4	17.62	50.20	85.60	99.94	159.2	548.7	40.98	566.3	389.3	387.4
12-Oct-15	13:23:35	276.2	6.48	0.999	3013.0	17.63	50.21	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor -	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:27:30	277.9	5.53	1.000	3011.7	17.60	50.22	80.60	99.96	159.8	550.3	41.00	567.6	389.4	387.7
12-Oct-15	13:27:35	277.6	5.52	1.000	3011.4	17.60	50.22	80.72	99.96	159.8	550.3	41.00	567.6	389.4	387.7
12-Oct-15	13:27:40	277.3	5.50	1.000	3015.3	17.60	50.22	80.96	99.96	159.8	550.3	41.00	567.5	389.4	387.7
12-Oct-15	13:27:45	277.4	5.50	1.000	3015.3	17.60	50.22	80.80	99.96	159.8	550.2	41.01	567.1	389.4	387.7
12-Oct-15	13:27:50	277.9	5.50	1.000	3011.8	17.60	50.22	80.47	99.96	159.9	550.1	41.01	567.1	389.4	387.7
12-Oct-15	13:27:55	277.5	5.50	1.000	3009.9	17.60	50.22	80.24	99.94	159.9	550.0	41.01	567.1	389.4	387.7
12-Oct-15	13:28:00	277.1	5.50	1.000	3013.0	17.60	50.22	80.01	99.93	159.9	550.0	41.02	567.0	389.4	387.7
12-Oct-15	13:28:05	277.5	5.50	1.000	3012.6	17.60	50.22	79.80	99.93	159.9	550.1	41.02	567.0	389.4	387.8
12-Oct-15	13:28:10	277.1	6.06	1.000	3010.5	17.60	50.17	80.05	99.92	160.0	550.1	41.03	567.0	389.4	387.8
12-Oct-15	13:28:15	276.7	6.73	1.000	3015.7	17.60	50.21	80.04	99.92	160.0	550.1	41.03	567.0	389.4	387.8
12-Oct-15	13:28:20	277.3	7.39	1.000	3012.4	17.60	50.26	79.70	99.92	160.0	550.2	41.03	567.0	389.4	387.8
12-Oct-15	13:28:25	278.0	6.83	1.000	3008.3	17.61	50.21	79.24	99.91	160.0	550.2	41.03	567.0	389.4	387.8
12-Oct-15	13:28:30	277.1	5.64	1.000	3012.4	17.61	50.22	80.29	99.91	160.0	550.3	41.03	566.9	389.4	387.8
12-Oct-15	13:28:35	277.5	6.00	1.000	3016.7	17.61	50.23	79.87	99.91	160.1	550.3	41.03	566.9	389.4	387.8
12-Oct-15	13:28:40	277.8	6.36	0.999	3012.3	17.61	50.24	79.41	99.90	160.1	550.3	41.03	566.9	389.4	387.8
12-Oct-15	13:28:45	277.6	6.73	0.999	3017.1	17.61	50.25	79.32	99.90	160.1	550.4	41.03	566.9	389.4	387.8
12-Oct-15	13:28:50	277.8	7.09	0.999	3018.9	17.61	50.26	79.27	99.90	160.2	550.4	41.03	566.9	389.4	387.8
12-Oct-15	13:28:55	278.0	7.45	0.999	3015.7	17.61	50.26	79.22	99.89	160.2	550.4	41.03	566.9	389.4	387.7
12-Oct-15	13:29:00	278.1	7.45	0.999	3015.0	17.61	50.23	79.37	99.89	160.2	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:05	277.8	6.97	0.999	3014.6	17.61	50.22	79.77	99.89	160.3	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:10	277.6	6.50	0.999	3014.8	17.61	50.24	80.07	99.89	160.4	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:15	277.4	6.03	0.999	3018.1	17.61	50.26	80.35	99.89	160.4	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:20	277.3	5.67	0.999	3019.1	17.61	50.27	80.06	99.89	160.4	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:25	278.2	5.67	0.999	3019.1	17.60	50.27	79.47	99.89	160.4	550.6	41.09	566.9	389.3	387.7
12-Oct-15	13:29:30	278.3	5.67	0.999	3016.7	17.60	50.27	79.17	99.89	160.5	550.6	41.09	566.8	389.3	387.7
12-Oct-15	13:29:35	278.0	5.67	0.999	3015.1	17.60	50.27	79.25	99.90	160.5	550.7	41.09	566.8	389.3	387.7
12-Oct-15	13:29:40	277.8	5.67	0.999	3012.6	17.60	50.27	79.64	99.90	160.5	550.8	41.09	566.8	389.3	387.7
12-Oct-15	13:29:45	277.8	5.67	0.999	3018.8	17.60	50.27	79.46	99.91	160.5	550.9	41.09	566.8	389.3	387.7
12-Oct-15	13:29:50	278.4	5.70	0.999	3014.2	17.60	50.25	79.28	99.91	160.6	550.9	41.09	566.7	389.4	387.7
12-Oct-15	13:29:55	277.9	5.73	0.999	3011.8	17.60	50.23	79.62	99.92	160.6	551.0	41.10	566.7	389.4	387.7
12-Oct-15	13:30:00	277.7	5.76	0.999	3016.2	17.60	50.22	80.00	99.92	160.6	551.0	41.10	566.7	389.4	387.7
12-Oct-15	13:30:05	277.5	5.80	0.999	3019.0	17.60	50.25	80.32	99.92	160.6	551.0	41.10	566.6	389.4	387.7
12-Oct-15	13:30:10	277.7	5.83	0.999	3017.7	17.60	50.26	79.85	99.92	160.6	550.9	41.10	566.6	389.4	387.7
12-Oct-15	13:30:15	278.8	5.86	0.999	3016.3	17.60	50.23	79.10	99.92	160.7	550.9	41.10	566.5	389.4	387.8
12-Oct-15	13:30:20	277.5	5.80	0.999	3018.7	17.60	50.24	79.80	99.92	160.7	550.8	41.10	566.5	389.4	387.8
12-Oct-15	13:30:25	277.8	5.42	0.999	3017.9	17.60	50.26	79.38	99.92	160.7	550.8	41.10	566.5	389.4	387.8
12-Oct-15	13:30:30	277.7	5.04	0.999	3017.7	17.60	50.26	79.20	99.92	160.7	550.7	41.10	566.4	389.4	387.8
12-Oct-15	13:30:35	278.2	4.65	0.999	3011.7	17.60	50.23	79.22	99.92	160.7	550.6	41.10	566.4	389.4	387.8
12-Oct-15	13:30:40	277.9	4.27	0.999	3017.4	17.60	50.23	79.93	99.92	160.8	550.6	41.10	566.4	389.4	387.8
12-Oct-15	13:30:45	277.3	3.89	0.999	3023.0	17.60	50.23	80.27	99.92	160.8	550.5	41.10	566.3	389.4	387.8
12-Oct-15	13:30:50	278.3	5.17	0.999	3018.5	17.60	50.32	79.49	99.92	160.9	550.5	41.10	566.3	389.4	387.8
12-Oct-15	13:30:55	278.3	5.90	0.999	3017.1	17.60	50.28	79.61	99.92	160.8	550.4	41.10	566.3	389.4	387.8
12-Oct-15	13:31:00	277.9	5.90	0.999	3016.9	17.60	50.26	80.23	99.92	160.9	550.4	41.11	566.3	389.4	387.9
12-Oct-15	13:31:05	278.7	5.90	0.999	3014.3	17.60	50.25	79.68	99.92	161.0	550.3	41.15	566.3	389.4	387.9
12-Oct-15	13:31:10	278.6	5.90	0.999	3015.6	17.60	50.23	79.88	99.92	161.1	550.3	41.17	566.3	389.4	387.9
12-Oct-15	13:31:15	278.5	5.90	0.999	3016.9	17.60	50.23	80.21	99.92	161.2	550.2	41.18	566.3	389.4	387.9
12-Oct-15	13:31:20	278.4	5.90	0.999	3018.2	17.60	50.23	80.42	99.92	161.2	550.2	41.20	566.2	389.4	387.9
12-Oct-15	13:31:25	278.3	5.90	0.999	3019.3	17.60	50.23	80.45	99.92	161.2	550.1	41.21	566.2	389.4	387.9
12-Oct-15	13:31:30	278.6	6.02	0.999	3017.1	17.60	50.23	80.40	99.93	161.3	550.1	41.22	566.2	389.4	388.0
12-Oct-15	13:31:35	278.5	6.17	0.999	3013.8	17.64	50.24	80.36	99.93	161.3	550.0	41.23	566.2	389.5	388.0
12-Oct-15	13:31:40	278.5	6.32	0.999	3013.2	17.64	50.24	80.31	99.93	161.3	549.9	41.24	566.2	389.5	388.0
12-Oct-15	13:31:45	278.4	6.47	0.999	3012.9	17.65	50.25	80.26	99.93	161.3	549.9	41.25	566.1	389.5	388.0
12-Oct-15	13:31:50	278.3	6.61	0.999	3018.2	17.65	50.26	80.21	99.93	161.3	549.8	41.26	566.1	389.5	388.0
12-Oct-15	13:31:55	278.5	6.60	0.999	3014.4	17.65	50.26	80.16	99.94	161.3	549.8	41.27	566.1	389.5	388.0
12-Oct-15	13:32:00	279.0	6.60	0.999	3017.8	17.65	50.27	80.30	99.94	161.3	549.7	41.28	566.1	389.5	388.0
12-Oct-15	13:32:05	278.5	6.59	0.999	3018.8	17.65	50.27	80.62	99.94	161.3	549.7	41.29	566.1	389.5	388.0
12-Oct-15	13:32:10	278.8	6.58	0.999	3017.7	17.65	50.28	80.47	99.94	161.3	549.7	41.30	566.1	389.5	388.0
12-Oct-15	13:32:15	278.7	6.57	0.999	3017.8	17.65	50.28	80.31	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:20	279.4	6.56	0.999	3012.4	17.65	50.28	80.52	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:25	278.9	6.55	0.999	3019.0	17.65	50.28	80.85	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:30	279.1	6.55	0.999	3017.9	17.65	50.28	81.01	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:35	278.8	6.54	0.999	3016.0	17.65	50.28	81.17	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:40	278.8	6.53	0.999	3018.8	17.65	50.28	81.11	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:45	279.0	6.52	0.999	3014.8	17.65	50.28	80.80	99.94	161.4	549.6	41.31	565.9	389.5	388.0
12-Oct-15	13:32:50	278.7	6.51	0.999	3018.4	17.65	50.28	81.27	99.93	161.3	549.5	41.32	565.9	389.5	388.1
12-Oct-15	13:32:55	278.9	6.51	1.000	3018.1	17.65	50.28	81.14	99.93	161.3	549.3	41.33	565.8	389.5	388.1
12-Oct-15	13:33:00	278.7	6.51	1.000	3015.9	17.65	50.28	81.00	99.92	161.3	549.2	41.33	565.8	389.5	388.1
12-Oct-15	13:33:05	279.3	6.51	1.000	3015.5	17.65	50.28	80.86	99.92	161.3	549.1	41.34	565.7	389.5	388.1
12-Oct-15	13:33:10	279.5	6.76	1.000	3012.4	17.65	50.25	80.76	99.92	161.3	549.0	41.34	565.7	389.5	388.1
12-Oct-15	13:33:15	278.4	7.05	1.000	3017.2	17.65	50.25	81.70	99.93	161.3	549.0	41.34	565.6	389.5	388.1
12-Oct-15	13:33:20	278.3	7.34	1.000	3018.6	17.65	50.24	81.70	99.93	161.3	548.9	41.33	565.6	389.5	388.1
12-Oct-15	13:33:25	279.6	7.63	1.000	3014.8	17.65	50.24	80.86	99.93						

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:37:20	276.1	7.68	1.000	3009.2	17.66	50.14	86.27	99.95	160.0	545.9	41.11	563.7	389.6	388.4
12-Oct-15	13:37:25	277.2	7.54	1.000	3008.5	17.66	50.14	85.44	99.95	160.0	545.9	41.10	563.7	389.6	388.4
12-Oct-15	13:37:30	276.9	6.68	1.000	3007.8	17.66	50.13	86.13	99.95	160.0	545.9	41.09	563.7	389.6	388.4
12-Oct-15	13:37:35	276.7	6.68	1.000	3007.6	17.66	50.13	86.36	99.95	160.0	545.9	41.09	563.7	389.6	388.4
12-Oct-15	13:37:40	276.2	6.68	1.000	3009.7	17.66	50.12	86.59	99.95	160.0	545.9	41.09	563.7	389.5	388.4
12-Oct-15	13:37:45	276.6	6.68	1.000	3007.6	17.66	50.11	85.96	99.95	159.9	545.9	41.06	563.6	389.5	388.4
12-Oct-15	13:37:50	278.9	6.68	1.000	3005.8	17.66	50.11	85.77	99.95	159.8	545.8	41.04	563.5	389.5	388.4
12-Oct-15	13:37:55	276.7	6.68	1.000	3004.8	17.66	50.10	86.07	99.94	159.8	545.8	41.03	563.5	389.5	388.4
12-Oct-15	13:38:00	276.4	6.68	1.000	3004.5	17.66	50.10	86.38	99.93	159.8	545.8	41.03	563.5	389.5	388.4
12-Oct-15	13:38:05	276.1	6.68	1.000	3008.8	17.66	50.10	86.66	99.93	159.7	545.8	41.02	563.6	389.6	388.4
12-Oct-15	13:38:10	276.2	6.88	1.000	3009.9	17.66	50.14	86.46	99.93	159.7	545.8	41.01	563.6	389.6	388.4
12-Oct-15	13:38:15	276.4	7.11	1.000	3009.3	17.66	50.14	86.26	99.94	159.7	545.8	41.01	563.6	389.5	388.4
12-Oct-15	13:38:20	276.9	7.35	1.000	3009.0	17.66	50.13	86.06	99.94	159.7	545.8	41.00	563.6	389.5	388.4
12-Oct-15	13:38:25	277.0	7.58	1.000	3010.0	17.66	50.12	85.86	99.94	159.7	545.8	40.99	563.6	389.5	388.4
12-Oct-15	13:38:30	277.2	7.53	1.000	3001.6	17.66	50.10	85.65	99.94	159.7	545.9	40.99	563.7	389.5	388.3
12-Oct-15	13:38:35	276.9	7.33	1.000	3003.1	17.66	50.05	86.14	99.94	159.6	545.9	40.98	563.7	389.5	388.3
12-Oct-15	13:38:40	276.2	7.12	1.000	3003.5	17.66	50.07	86.85	99.94	159.6	545.9	40.98	563.7	389.5	388.3
12-Oct-15	13:38:45	276.2	6.91	1.000	3004.4	17.66	50.09	87.16	99.94	159.6	545.9	40.97	563.7	389.5	388.3
12-Oct-15	13:38:50	276.4	6.70	1.000	3004.9	17.66	50.10	86.69	99.95	159.6	545.9	40.97	563.7	389.5	388.3
12-Oct-15	13:38:55	276.6	6.50	1.000	3008.2	17.66	50.10	86.69	99.95	159.6	545.9	40.96	563.7	389.5	388.3
12-Oct-15	13:39:00	276.7	6.29	1.000	3004.0	17.66	50.09	86.69	99.95	159.6	545.9	40.95	563.7	389.5	388.3
12-Oct-15	13:39:05	276.3	6.08	1.000	3007.6	17.66	50.09	86.69	99.95	159.6	545.9	40.95	563.7	389.5	388.3
12-Oct-15	13:39:10	276.7	5.88	1.000	3009.9	17.66	50.08	86.69	99.95	159.6	545.9	40.94	563.7	389.5	388.3
12-Oct-15	13:39:15	277.0	6.05	1.000	3004.7	17.65	50.07	86.69	99.95	159.6	545.9	40.94	563.7	389.5	388.3
12-Oct-15	13:39:20	276.7	6.72	1.000	3005.8	17.65	50.07	86.69	99.95	159.6	545.9	40.94	563.8	389.5	388.2
12-Oct-15	13:39:25	276.3	7.38	1.000	3008.2	17.65	50.06	86.69	99.95	159.6	546.0	40.93	563.9	389.5	388.2
12-Oct-15	13:39:30	277.2	7.88	1.000	3007.2	17.65	50.05	85.63	99.95	159.5	546.1	40.93	564.0	389.5	388.2
12-Oct-15	13:39:35	277.4	7.88	1.000	3000.4	17.65	50.05	86.17	99.95	159.5	546.1	40.93	564.1	389.5	388.2
12-Oct-15	13:39:40	276.0	7.88	1.000	3001.0	17.65	50.00	86.63	99.95	159.5	546.2	40.92	564.2	389.5	388.2
12-Oct-15	13:39:45	276.9	7.88	1.000	3000.3	17.65	50.00	85.82	99.95	159.5	546.3	40.92	564.3	389.5	388.2
12-Oct-15	13:39:50	277.1	7.82	1.000	3002.6	17.65	50.02	85.51	99.96	159.5	546.3	40.91	564.4	389.5	388.2
12-Oct-15	13:39:55	276.6	7.75	1.000	3006.1	17.65	50.04	85.36	99.96	159.5	546.4	40.91	564.5	389.5	388.2
12-Oct-15	13:40:00	276.6	7.68	1.000	3005.5	17.65	50.07	85.21	99.96	159.5	546.5	40.90	564.6	389.5	388.2
12-Oct-15	13:40:05	276.9	7.61	1.000	3007.2	17.65	50.10	85.06	99.96	159.4	546.5	40.90	564.7	389.5	388.2
12-Oct-15	13:40:10	277.0	7.54	1.000	2999.7	17.65	50.06	84.91	99.96	159.4	546.5	40.89	564.7	389.5	388.2
12-Oct-15	13:40:15	276.8	7.47	1.000	2999.6	17.65	50.04	85.04	99.96	159.4	546.5	40.89	564.8	389.5	388.2
12-Oct-15	13:40:20	276.8	7.40	1.000	2999.7	17.65	50.02	85.31	99.96	159.4	546.5	40.88	564.9	389.5	388.2
12-Oct-15	13:40:25	277.0	7.33	1.000	3000.2	17.65	50.00	84.80	99.96	159.4	546.5	40.87	565.0	389.5	388.2
12-Oct-15	13:40:30	276.8	7.28	1.000	3000.9	17.65	50.00	84.75	99.96	159.4	546.5	40.86	565.0	389.5	388.1
12-Oct-15	13:40:35	278.5	7.28	1.000	3002.9	17.65	49.99	84.71	99.97	159.3	546.5	40.86	565.1	389.5	388.1
12-Oct-15	13:40:40	276.8	7.28	1.000	3002.2	17.65	49.99	84.66	99.97	159.3	546.5	40.85	565.2	389.5	388.1
12-Oct-15	13:40:45	276.9	7.28	1.000	3001.0	17.65	49.98	84.64	99.97	159.3	546.5	40.84	565.3	389.5	388.1
12-Oct-15	13:40:50	276.7	7.28	1.000	3000.3	17.65	49.98	84.64	99.97	159.3	546.5	40.84	565.3	389.5	388.1
12-Oct-15	13:40:55	276.6	7.28	1.000	3001.4	17.65	49.97	84.64	99.97	159.3	546.5	40.84	565.3	389.5	388.1
12-Oct-15	13:41:00	276.5	7.28	1.000	3002.5	17.65	49.97	84.64	99.97	159.3	546.9	40.84	565.3	389.5	388.1
12-Oct-15	13:41:05	276.4	7.28	1.000	3003.3	17.65	49.96	84.64	99.97	159.3	547.1	40.84	565.4	389.5	388.1
12-Oct-15	13:41:10	276.3	7.28	1.000	3003.3	17.65	49.96	84.43	99.97	159.3	547.2	40.83	565.5	389.5	388.1
12-Oct-15	13:41:15	276.6	7.28	0.999	3003.1	17.65	49.95	83.98	99.96	159.3	547.2	40.83	565.6	389.5	388.1
12-Oct-15	13:41:20	277.6	7.28	0.999	2997.3	17.65	49.95	83.74	99.96	159.3	547.2	40.83	565.7	389.5	388.1
12-Oct-15	13:41:25	277.2	7.28	1.000	2996.6	17.65	49.95	84.19	99.95	159.3	547.3	40.83	565.8	389.5	388.1
12-Oct-15	13:41:30	276.4	6.79	1.000	3002.3	17.65	49.96	84.56	99.95	159.3	547.3	40.82	565.9	389.5	388.1
12-Oct-15	13:41:35	276.7	6.50	1.000	2999.5	17.64	49.97	83.97	99.94	159.2	547.4	40.82	566.0	389.5	388.1
12-Oct-15	13:41:40	276.8	6.20	1.000	2998.3	17.63	49.98	83.47	99.94	159.2	547.4	40.82	566.1	389.5	388.1
12-Oct-15	13:41:45	276.5	5.91	1.000	3001.6	17.63	49.99	83.85	99.93	159.2	547.4	40.82	566.2	389.5	388.1
12-Oct-15	13:41:50	276.2	5.62	1.000	3007.4	17.63	50.04	83.78	99.93	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:41:55	277.1	5.32	1.000	3000.9	17.63	50.03	83.20	99.93	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:00	277.5	5.03	1.000	2999.4	17.63	50.01	82.79	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:05	276.3	4.84	1.000	3002.0	17.63	49.99	82.21	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:10	276.8	4.97	1.000	2999.3	17.63	49.97	82.98	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:15	277.0	4.99	1.000	2998.2	17.63	49.95	82.91	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:20	276.4	5.02	1.000	2997.2	17.63	49.97	83.31	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:25	276.2	5.04	1.000	3000.7	17.63	49.99	83.07	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:30	276.8	5.07	1.000	3000.0	17.63	50.00	82.83	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:35	277.2	5.09	1.000	2996.1	17.63	49.97	83.01	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:40	276.5	5.12	1.000	2998.2	17.63	49.97	83.25	99.92	159.2	547.6	40.81	566.4	389.5	388.1
12-Oct-15	13:42:45	276.7	5.14	1.000	2998.7	17.63	49.99	82.90	99.92	159.3	547.7	40.81	567.0	389.5	388.1
12-Oct-15	13:42:50	276.3	5.17	1.000	2998.6	17.63	50.00	83.03	99.92	159.4	547.8	40.81	567.3	389.5	388.1
12-Oct-15	13:42:55	277.1	5.19	1.000	2996.3	17.63	49.98	82.31	99.92	159.4	547.9	40.82	567.4	389.5	388.1
12-Oct-15	13:43:00	276.8	5.22	1.000	2996.6	17.63	49.96	82.36	99.92	159.4	548.0	40.82	567.5	389.5	388.1
12-Oct-15	13:43:05	277.1	5.23	1.000	2992.1	17.63	49.90	82.54	99.93	159.4	548.1	40.83	567.5	389.5	388.0
12-Oct-15	13:43:10	276.4	5.22	1.000	2995.9	17.63	49.93	83.06	99.93	159.5	548.2	40.83	567.6	389.5	388.0
12-Oct-15	13:43:15	276.5	5.21	1.000	2996.8	17.62	49.95								

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:47:10	276.9	6.08	1.000	2986.4	17.63	49.81	81.61	99.95	159.5	550.0	40.89	568.3	389.5	387.9
12-Oct-15	13:47:15	276.3	6.06	1.000	2986.4	17.63	49.81	81.99	99.95	159.5	550.0	40.89	568.3	389.5	387.9
12-Oct-15	13:47:20	275.9	6.05	1.000	2988.9	17.63	49.81	82.14	99.95	159.5	550.0	40.89	568.3	389.5	387.9
12-Oct-15	13:47:25	276.6	6.03	1.000	2988.6	17.63	49.82	81.62	99.95	159.5	550.0	40.88	568.3	389.5	387.9
12-Oct-15	13:47:30	276.7	6.02	1.000	2988.0	17.63	49.83	81.76	99.95	159.5	550.0	40.88	568.3	389.5	387.9
12-Oct-15	13:47:35	276.8	6.02	1.000	2984.4	17.63	49.83	81.89	99.95	159.5	550.0	40.88	568.3	389.5	388.0
12-Oct-15	13:47:40	276.4	6.02	1.000	2987.7	17.63	49.84	82.02	99.95	159.5	550.0	40.89	568.3	389.5	388.0
12-Oct-15	13:47:45	276.5	6.02	1.000	2988.7	17.63	49.85	82.12	99.95	159.6	550.0	40.89	568.3	389.5	388.0
12-Oct-15	13:47:50	276.7	6.02	1.000	2989.5	17.63	49.85	81.75	99.95	159.6	550.0	40.90	568.3	389.5	388.0
12-Oct-15	13:47:55	277.1	6.02	1.000	2986.5	17.63	49.80	81.28	99.94	159.7	549.9	40.91	568.3	389.5	388.0
12-Oct-15	13:48:00	276.4	6.02	1.000	2990.2	17.63	49.82	82.31	99.93	159.7	549.9	40.92	568.3	389.5	388.0
12-Oct-15	13:48:05	276.1	6.02	1.000	2994.3	17.63	49.85	82.45	99.92	159.8	549.9	40.92	568.3	389.5	388.0
12-Oct-15	13:48:10	276.6	6.04	1.000	2995.6	17.63	49.89	81.88	99.93	159.8	549.9	40.93	568.3	389.5	388.0
12-Oct-15	13:48:15	277.4	6.06	1.000	2990.2	17.63	49.86	81.62	99.93	159.8	549.9	40.94	568.2	389.5	388.0
12-Oct-15	13:48:20	276.7	6.08	1.000	2993.7	17.63	49.88	82.55	99.93	159.8	549.9	40.95	568.2	389.5	388.0
12-Oct-15	13:48:25	277.1	6.10	1.000	2996.0	17.63	49.91	82.10	99.93	159.9	549.9	40.95	568.2	389.5	388.0
12-Oct-15	13:48:30	277.5	6.11	1.000	2989.4	17.63	49.87	81.68	99.93	159.9	549.9	40.96	568.2	389.5	388.0
12-Oct-15	13:48:35	277.6	6.12	1.000	2987.9	17.63	49.84	81.85	99.93	159.9	549.8	40.97	568.2	389.5	388.0
12-Oct-15	13:48:40	277.1	6.13	1.000	2987.7	17.63	49.82	82.42	99.94	160.0	549.8	40.97	568.2	389.5	388.0
12-Oct-15	13:48:45	276.7	6.14	1.000	2992.8	17.63	49.87	82.44	99.94	160.0	549.8	40.98	568.2	389.5	388.0
12-Oct-15	13:48:50	276.7	6.14	1.000	2999.2	17.63	49.91	82.17	99.94	160.1	549.8	40.99	568.2	389.5	388.0
12-Oct-15	13:48:55	277.1	6.15	1.000	2998.8	17.63	49.95	81.90	99.94	160.1	549.8	41.00	568.2	389.5	388.0
12-Oct-15	13:49:00	277.7	6.16	1.000	2995.7	17.63	49.92	81.59	99.94	160.1	549.8	41.01	568.2	389.5	388.0
12-Oct-15	13:49:05	277.7	6.16	1.000	2992.3	17.63	49.89	81.45	99.95	160.1	549.8	41.02	568.2	389.5	388.0
12-Oct-15	13:49:10	277.3	6.17	1.000	2990.5	17.63	49.86	81.57	99.95	160.1	549.8	41.03	568.2	389.5	388.0
12-Oct-15	13:49:15	277.2	6.18	1.000	2989.0	17.63	49.87	81.57	99.95	160.1	549.8	41.03	568.2	389.5	388.0
12-Oct-15	13:49:20	277.1	6.19	1.000	2991.4	17.63	49.88	81.57	99.95	160.2	549.8	41.04	568.2	389.5	388.1
12-Oct-15	13:49:25	277.0	6.19	1.000	2994.4	17.63	49.88	81.57	99.95	160.2	549.8	41.04	568.2	389.5	388.1
12-Oct-15	13:49:30	277.1	6.20	1.000	2995.6	17.63	49.89	82.50	99.94	160.2	549.8	41.05	568.2	389.5	388.1
12-Oct-15	13:49:35	276.9	6.20	1.000	2993.8	17.63	49.90	82.44	99.94	160.2	549.7	41.05	568.2	389.5	388.1
12-Oct-15	13:49:40	276.4	6.20	1.000	2993.8	17.63	49.90	82.82	99.93	160.2	549.7	41.06	568.2	389.5	388.1
12-Oct-15	13:49:45	276.4	6.20	1.000	2999.4	17.63	49.91	82.64	99.93	160.2	549.7	41.06	568.2	389.5	388.1
12-Oct-15	13:49:50	277.5	6.53	1.000	2994.7	17.63	49.89	82.60	99.92	160.2	549.7	41.07	568.1	389.5	388.1
12-Oct-15	13:49:55	277.1	6.93	1.000	2995.0	17.63	49.87	82.99	99.91	160.2	549.6	41.07	568.1	389.5	388.0
12-Oct-15	13:50:00	277.0	7.33	1.000	2994.4	17.63	49.87	83.36	99.91	160.2	549.6	41.08	568.0	389.5	388.1
12-Oct-15	13:50:05	276.5	7.73	1.000	2998.6	17.63	49.90	83.68	99.90	160.2	549.6	41.08	568.0	389.5	388.1
12-Oct-15	13:50:10	277.3	8.11	1.000	2995.6	17.63	49.89	82.77	99.91	160.3	549.6	41.09	568.0	389.5	388.1
12-Oct-15	13:50:15	277.5	8.15	1.000	2991.7	17.63	49.87	82.93	99.91	160.3	549.6	41.11	567.9	389.5	388.0
12-Oct-15	13:50:20	277.2	8.18	1.000	2993.5	17.63	49.87	83.17	99.91	160.4	549.6	41.12	567.9	389.5	388.0
12-Oct-15	13:50:25	277.3	8.22	1.000	2995.7	17.63	49.88	83.42	99.91	160.4	549.6	41.14	567.8	389.5	388.0
12-Oct-15	13:50:30	277.3	8.26	1.000	2995.6	17.63	49.90	83.65	99.93	160.4	549.6	41.14	567.8	389.5	388.0
12-Oct-15	13:50:35	277.3	8.29	1.000	2995.6	17.63	49.91	83.76	99.91	160.4	549.6	41.14	567.7	389.5	388.0
12-Oct-15	13:50:40	277.3	8.33	1.000	2995.6	17.63	49.90	83.29	99.92	160.4	549.6	41.14	567.7	389.5	388.0
12-Oct-15	13:50:45	277.2	8.36	1.000	2995.6	17.63	49.88	83.41	99.92	160.4	549.6	41.14	567.6	389.5	388.0
12-Oct-15	13:50:50	277.1	8.40	1.000	2988.8	17.63	49.87	83.54	99.92	160.4	549.6	41.14	567.6	389.5	388.0
12-Oct-15	13:50:55	277.0	8.44	1.000	2988.3	17.63	49.88	83.66	99.92	160.4	549.6	41.14	567.6	389.5	388.1
12-Oct-15	13:51:00	277.0	8.47	1.000	2991.9	17.63	49.90	83.77	99.92	160.4	549.6	41.15	567.6	389.5	388.1
12-Oct-15	13:51:05	277.3	8.51	1.000	2995.4	17.63	49.90	83.77	99.93	160.5	549.6	41.19	567.6	389.5	388.1
12-Oct-15	13:51:10	278.1	8.54	1.000	2995.6	17.63	49.88	83.26	99.93	160.5	549.6	41.20	567.6	389.5	388.1
12-Oct-15	13:51:15	277.8	8.54	1.000	2987.5	17.63	49.86	83.50	99.93	160.5	549.6	41.20	567.6	389.5	388.1
12-Oct-15	13:51:20	277.4	8.54	0.999	2994.0	17.63	49.89	83.65	99.93	160.5	549.6	41.21	567.6	389.5	388.0
12-Oct-15	13:51:25	277.6	8.54	0.999	2993.3	17.63	49.91	83.51	99.93	160.6	549.7	41.22	567.7	389.5	388.0
12-Oct-15	13:51:30	277.9	8.52	1.000	2995.6	17.63	49.90	83.38	99.93	160.6	549.7	41.22	567.7	389.5	388.1
12-Oct-15	13:51:35	277.7	8.49	1.000	2995.3	17.63	49.89	83.33	99.93	160.5	549.7	41.23	567.7	389.5	388.1
12-Oct-15	13:51:40	277.8	8.46	1.000	2995.7	17.63	49.87	83.30	99.93	160.5	549.7	41.24	567.7	389.5	388.1
12-Oct-15	13:51:45	278.0	8.43	1.000	2990.6	17.63	49.86	83.27	99.93	160.5	549.7	41.23	567.7	389.5	388.1
12-Oct-15	13:51:50	277.6	8.40	1.000	2990.1	17.63	49.87	83.47	99.94	160.4	549.7	41.22	567.7	389.5	388.1
12-Oct-15	13:51:55	277.7	8.37	1.000	2991.4	17.63	49.83	83.38	99.94	160.4	549.7	41.21	567.7	389.5	388.1
12-Oct-15	13:52:00	277.7	8.34	1.000	2991.5	17.63	49.82	83.55	99.94	160.3	549.7	41.20	567.7	389.5	388.1
12-Oct-15	13:52:05	277.4	8.31	1.000	2988.2	17.63	49.80	83.54	99.94	160.3	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:10	277.2	8.28	1.000	2987.7	17.63	49.81	83.81	99.94	160.3	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:15	276.9	8.28	1.000	2989.9	17.63	49.83	84.05	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:20	277.4	8.28	1.000	2987.6	17.63	49.84	83.59	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:25	277.6	8.28	1.000	2987.6	17.63	49.85	83.09	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:30	277.1	8.28	1.000	2987.6	17.63	49.85	83.38	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:35	276.9	8.28	1.000	2989.1	17.63	49.85	83.58	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:40	277.1	8.28	1.000	2992.1	17.63	49.85	83.58	99.94	160.1	549.7	41.18	567.6	389.5	388.2
12-Oct-15	13:52:45	277.2	8.28	1.000	2993.1	17.63	49.85	83.58	99.94	160.1	549.5	41.17	567.3	389.6	388.3
12-Oct-15	13:52:50	277.3	8.28	1.000	2991.9	17.63	49.85	83.15	99.94	160.0	549.3	41.15	566.9	389.6	388.3
12-Oct-15	13:52:55	276.9	8.28	1.000	2992.9	17.63	49.85	83.70	99.94	160.0	549.1	41.14	566.9	389.7	388.3
12-Oct-15	13:53:00	277.0	8.28	1.000	2994.0	17.63	49.85	83.83	99.93	160.0	548.9	41.13	566.8	389.7	388.3
12-Oct-15	13:53:05	277.2	8.28	1.000	2995.0	17.63	49.85	83.90	99.93	1					

Angamos Power Plant Unit#1

Date Time		Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:57:00	277.3	9.74	1.000	2993.3	17.63	49.92	82.49	99.93	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:05	277.2	9.81	1.000	2996.9	17.63	49.92	82.37	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:10	277.3	9.89	1.000	2992.8	17.63	49.92	82.24	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:15	277.9	9.97	1.000	2992.2	17.63	49.92	82.13	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:20	277.5	10.05	1.000	2995.6	17.63	49.92	82.44	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:25	277.2	10.13	1.000	2995.2	17.63	49.93	82.45	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:30	277.3	10.21	1.000	2999.1	17.63	49.93	82.12	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:35	277.4	9.45	1.000	2997.0	17.63	49.93	82.12	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:40	277.4	8.56	1.000	2995.4	17.63	49.92	82.12	99.92	159.8	549.4	41.05	566.0	389.8	388.4
12-Oct-15	13:57:45	277.4	8.96	1.000	2995.7	17.64	49.90	82.12	99.92	159.8	549.4	41.01	566.0	389.9	388.4
12-Oct-15	13:57:50	277.4	9.37	1.000	2995.2	17.64	49.88	82.01	99.92	159.8	549.5	41.01	566.0	389.9	388.4
12-Oct-15	13:57:55	277.3	9.77	1.000	2992.4	17.64	49.88	81.79	99.91	159.8	549.5	41.00	565.9	389.9	388.3
12-Oct-15	13:58:00	277.1	10.18	1.000	2995.3	17.64	49.88	81.57	99.90	159.8	549.5	41.00	566.0	389.9	388.4
12-Oct-15	13:58:05	277.0	10.24	1.000	2998.2	17.64	49.88	81.35	99.89	159.8	549.5	40.99	566.0	389.9	388.4
12-Oct-15	13:58:10	279.4	4.15	1.000	2982.6	17.47	49.83	81.12	99.89	159.8	549.5	40.98	566.0	389.8	388.4
12-Oct-15	13:58:15	278.5	-1.57	1.000	2975.8	17.35	49.61	80.13	99.90	159.8	549.5	40.98	566.0	389.9	388.4
12-Oct-15	13:58:20	278.3	-0.97	1.000	2970.1	17.38	49.53	80.25	99.90	159.8	549.5	40.97	566.0	389.9	388.4
12-Oct-15	13:58:25	277.5	-0.38	1.000	2970.2	17.41	49.50	81.11	99.90	159.7	549.5	40.97	566.0	389.9	388.4
12-Oct-15	13:58:30	277.1	2.57	1.000	2974.6	17.54	49.52	81.55	99.91	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:35	276.5	10.39	1.000	2979.1	17.71	49.54	81.37	99.91	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:40	277.4	11.16	1.000	2975.9	17.76	49.59	80.85	99.91	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:45	277.1	10.02	1.000	2975.8	17.76	49.58	80.86	99.92	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:50	277.3	10.95	1.000	2976.7	17.76	49.56	80.57	99.92	159.7	549.5	40.96	566.0	389.9	388.3
12-Oct-15	13:58:55	277.4	11.87	1.000	2976.0	17.76	49.55	80.40	99.92	159.7	549.5	40.96	566.0	389.9	388.3
12-Oct-15	13:59:00	277.2	11.59	1.000	2976.9	17.75	49.55	80.74	99.92	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:59:05	277.1	11.10	1.000	2977.8	17.75	49.56	81.16	99.93	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:59:10	277.1	10.61	1.000	2978.7	17.75	49.58	81.20	99.93	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:59:15	277.1	10.12	1.000	2979.6	17.75	49.59	81.04	99.93	159.7	549.5	40.96	566.0	389.8	388.4
12-Oct-15	13:59:20	277.1	11.93	1.000	2979.8	17.75	49.60	80.88	99.93	159.7	549.5	40.96	566.0	389.8	388.4
12-Oct-15	13:59:25	277.1	10.05	1.000	2979.6	17.75	49.61	80.77	99.93	159.7	549.5	40.96	565.9	389.9	388.4
12-Oct-15	13:59:30	277.1	10.69	1.000	2980.4	17.74	49.63	80.81	99.93	159.7	549.4	40.95	565.9	389.8	388.4
12-Oct-15	13:59:35	277.0	11.33	1.000	2982.5	17.74	49.64	80.89	99.93	159.7	549.4	40.95	565.8	389.8	388.3
12-Oct-15	13:59:40	277.3	11.79	1.000	2982.6	17.74	49.64	80.44	99.93	159.8	549.4	40.94	565.8	389.8	388.4
12-Oct-15	13:59:45	277.7	10.03	1.000	2976.1	17.74	49.64	80.22	99.94	159.8	549.3	40.94	565.7	389.8	388.4
12-Oct-15	13:59:50	277.4	10.38	1.000	2978.7	17.74	49.59	80.17	99.94	159.8	549.3	40.94	565.7	389.8	388.4
12-Oct-15	13:59:55	277.1	10.80	1.000	2980.3	17.74	49.61	80.13	99.94	159.8	549.2	40.94	565.6	389.8	388.4
12-Oct-15	14:00:00	277.4	11.21	1.000	2981.2	17.74	49.62	80.08	99.94	159.8	549.2	40.93	565.7	389.8	388.4
12-Oct-15	14:00:05	277.3	11.63	1.000	2982.2	17.74	49.63	80.04	99.94	159.9	549.2	40.93	565.7	389.8	388.3
12-Oct-15	14:00:10	277.2	11.46	1.000	2983.1	17.74	49.64	79.99	99.94	159.9	549.2	40.93	565.7	389.8	388.4
12-Oct-15	14:00:15	277.4	10.86	1.000	2980.7	17.75	49.65	79.85	99.94	159.9	549.2	40.93	565.8	389.8	388.4
12-Oct-15	14:00:20	277.2	10.39	1.000	2983.6	17.75	49.66	79.90	99.93	159.9	549.2	40.92	565.8	389.8	388.3
12-Oct-15	14:00:25	277.2	10.52	1.000	2983.8	17.75	49.67	79.85	99.93	159.9	549.2	40.92	565.8	389.8	388.3
12-Oct-15	14:00:30	277.4	10.75	1.000	2983.1	17.75	49.68	79.81	99.93	160.0	549.2	40.92	565.8	389.8	388.3
12-Oct-15	14:00:35	277.5	10.98	1.000	2983.5	17.75	49.69	79.76	99.92	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:40	277.7	11.22	1.000	2980.3	17.75	49.67	79.72	99.92	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:45	277.9	11.45	1.000	2977.6	17.75	49.65	79.92	99.92	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:50	277.3	11.68	1.000	2978.1	17.75	49.66	80.22	99.91	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:55	277.0	11.91	1.000	2981.0	17.75	49.68	80.51	99.91	160.0	549.2	40.92	566.0	389.8	388.3
12-Oct-15	14:01:00	276.8	12.08	1.000	2985.2	17.75	49.70	80.53	99.90	160.0	549.2	40.92	566.0	389.8	388.3
12-Oct-15	14:01:05	277.4	12.08	1.000	2985.4	17.75	49.71	79.72	99.90	160.1	549.5	40.93	566.0	389.8	388.3
12-Oct-15	14:01:10	277.4	12.08	1.000	2986.1	17.75	49.73	79.79	99.90	160.1	549.6	40.93	566.0	389.8	388.3
12-Oct-15	14:01:15	277.5	12.08	1.000	2986.1	17.75	49.74	79.95	99.90	160.2	549.6	40.94	566.1	389.8	388.3
12-Oct-15	14:01:20	277.8	12.08	1.000	2983.7	17.75	49.74	80.10	99.91	160.2	549.7	40.95	566.1	389.8	388.3
12-Oct-15	14:01:25	277.7	12.08	1.000	2983.9	17.75	49.74	80.26	99.91	160.3	549.7	40.95	566.1	389.8	388.3
12-Oct-15	14:01:30	277.4	11.39	1.000	2987.5	17.76	49.72	80.42	99.92	160.4	549.7	40.97	566.1	389.8	388.3
12-Oct-15	14:01:35	277.3	10.57	1.000	2987.2	17.78	49.74	80.28	99.92	160.4	549.7	40.99	566.2	389.8	388.3
12-Oct-15	14:01:40	278.0	11.84	1.000	2986.6	17.78	49.73	80.10	99.92	160.4	549.8	41.01	566.2	389.8	388.3
12-Oct-15	14:01:45	277.9	10.79	1.000	2985.2	17.78	49.73	80.28	99.93	160.4	549.8	41.01	566.2	389.9	388.3
12-Oct-15	14:01:50	277.8	11.25	1.000	2983.1	17.78	49.71	80.45	99.93	160.5	549.8	41.01	566.2	389.9	388.3
12-Oct-15	14:01:55	277.6	11.71	1.000	2980.5	17.79	49.70	80.63	99.93	160.5	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:00	276.8	11.90	1.000	2990.2	17.79	49.75	81.09	99.94	160.5	549.9	41.01	566.3	389.8	388.3
12-Oct-15	14:02:05	277.7	11.26	1.000	2989.1	17.79	49.80	79.79	99.94	160.5	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:10	278.0	10.62	1.000	2987.6	17.79	49.82	79.83	99.94	160.5	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:15	277.6	10.14	1.000	2991.7	17.79	49.83	80.05	99.94	160.6	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:20	277.6	10.14	1.000	2993.6	17.79	49.84	79.98	99.94	160.6	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:25	277.9	10.14	1.000	2995.5	17.79	49.85	79.70	99.94	160.6	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:30	278.1	10.14	1.000	2989.4	17.79	49.85	79.83	99.94	160.6	549.9	41.01	566.3	389.9	388.2
12-Oct-15	14:02:35	278.0	10.14	1.000	2992.5	17.79	49.85	79.96	99.94	160.6	549.9	41.01	566.3	389.9	388.2
12-Oct-15	14:02:40	277.8	10.14	1.000	2993.9	17.79	49.85	80.09	99.94	160.6	549.9	41.05	566.3	389.9	388.2
12-Oct-15	14:02:45	277.8	10.14	1.000	2995.3	17.79	49.85	80.21	99.94	160.7	550.0	41.06	566.4	389.9	388.3
12-Oct-15	14:02:50	277.8	10.14	1.000	2992.0	17.79	49.85	80.05	99.94	160.7	550.0	41.06	566.5	389.9	388.3
12-Oct-15	14:02:55	278.6	10.14	1.000	2989.9	17.79									



Angamos Power Plant Unit#1

Date	Time	Gross Power	Reactive Power	Power Factor	Speed	Voltage Generator	Frequency Generator	HP Valve Position	IP Valve Position	HP steam Pressure	HP steam Temperature	IP steam Pressure	HP steam Temperature	Outlet Boiler Temperature A	Outlet Boiler Temperature B
		MW	Mvar	-	rpm	kV	Hz	%	%	bar(a)	°C	bar(a)	°C	°C	°C
12-Oct-15	14:06:50	277.7	8.73	1.000	3013.5	17.79	50.15	84.66	99.98	160.7	548.1	41.31	566.5	390.1	388.6
12-Oct-15	14:06:55	277.6	8.63	1.000	3009.3	17.79	50.15	84.66	99.98	160.7	548.0	41.31	566.4	390.2	388.6
12-Oct-15	14:07:00	277.5	8.53	1.000	3009.6	17.79	50.14	84.67	99.98	160.7	547.9	41.30	566.4	390.1	388.6
12-Oct-15	14:07:05	277.4	8.43	1.000	3011.5	17.79	50.14	84.67	99.98	160.6	547.9	41.29	566.4	390.2	388.6
12-Oct-15	14:07:10	277.8	8.32	1.000	3008.5	17.79	50.13	84.67	99.99	160.6	547.8	41.28	566.4	390.2	388.6
12-Oct-15	14:07:15	277.7	8.22	1.000	3011.1	17.79	50.12	84.74	99.99	160.6	547.8	41.27	566.4	390.2	388.6
12-Oct-15	14:07:20	277.6	8.12	1.000	3011.4	17.79	50.12	84.83	99.99	160.6	547.8	41.26	566.4	390.2	388.6
12-Oct-15	14:07:25	277.5	8.02	1.000	3006.1	17.79	50.11	84.93	99.99	160.5	547.8	41.25	566.4	390.2	388.6
12-Oct-15	14:07:30	277.5	7.92	1.000	3007.5	17.79	50.11	85.03	99.99	160.4	547.8	41.25	566.4	390.2	388.7
12-Oct-15	14:07:35	277.0	7.81	1.000	3008.6	17.79	50.14	85.13	99.99	160.4	547.8	41.25	566.4	390.2	388.7
12-Oct-15	14:07:40	276.7	8.01	1.000	3010.2	17.79	50.16	85.07	99.99	160.2	547.8	41.25	566.4	390.2	388.7
12-Oct-15	14:07:45	277.3	9.09	1.000	3014.1	17.79	50.16	84.70	99.99	160.1	547.7	41.23	566.3	390.2	388.7
12-Oct-15	14:07:50	277.3	9.69	1.000	3008.4	17.79	50.16	84.44	99.98	160.1	547.5	41.22	566.2	390.2	388.7
12-Oct-15	14:07:55	277.0	9.69	1.000	3010.2	17.79	50.16	84.72	99.98	160.0	547.4	41.20	566.1	390.2	388.7
12-Oct-15	14:08:00	277.2	9.69	1.000	3007.4	17.79	50.16	84.96	99.97	160.0	547.3	41.19	566.0	390.2	388.7
12-Oct-15	14:08:05	276.9	9.69	1.000	3010.8	17.79	50.16	84.78	99.97	159.9	547.2	41.17	565.9	390.2	388.8
12-Oct-15	14:08:10	276.7	9.63	1.000	3007.7	17.79	50.15	85.05	99.96	159.9	547.1	41.15	565.9	390.2	388.8
12-Oct-15	14:08:15	276.9	9.56	1.000	3010.0	17.79	50.13	84.93	99.96	159.9	547.0	41.14	565.8	390.2	388.8
12-Oct-15	14:08:20	277.3	9.49	1.000	3006.7	17.79	50.12	84.80	99.96	159.8	547.0	41.12	565.7	390.2	388.8
12-Oct-15	14:08:25	277.6	9.42	1.000	3001.0	17.79	50.10	85.07	99.95	159.8	547.0	41.11	565.7	390.2	388.8
12-Oct-15	14:08:30	276.7	9.36	1.000	3000.9	17.79	50.07	85.40	99.95	159.8	546.9	41.10	565.6	390.3	388.8
12-Oct-15	14:08:35	276.4	9.29	1.000	3007.4	17.79	50.08	85.74	99.95	159.8	546.9	41.10	565.5	390.2	388.8
12-Oct-15	14:08:40	276.5	9.22	1.000	3010.5	17.79	50.10	85.57	99.94	159.7	546.8	41.10	565.5	390.2	388.8
12-Oct-15	14:08:45	276.7	9.15	1.000	3008.7	17.79	50.14	85.40	99.94	159.7	546.8	41.10	565.4	390.2	388.8
12-Oct-15	14:08:50	277.1	9.07	1.000	3007.1	17.79	50.12	84.61	99.94	159.6	546.8	41.10	565.3	390.2	388.8
12-Oct-15	14:08:55	276.9	8.63	1.000	3000.5	17.79	50.06	84.65	99.94	159.6	546.7	41.10	565.3	390.2	388.8
12-Oct-15	14:09:00	276.9	8.19	1.000	3001.9	17.79	50.03	84.99	99.93	159.6	546.7	41.10	565.3	390.2	388.8
12-Oct-15	14:09:05	277.4	7.75	1.000	3001.1	17.79	50.01	84.92	99.93	159.6	546.7	41.10	565.3	390.2	388.8
12-Oct-15	14:09:10	276.7	7.32	1.000	3002.6	17.79	50.02	85.06	99.93	159.6	546.6	41.10	565.3	390.2	388.8
12-Oct-15	14:09:15	276.0	7.48	1.000	3004.9	17.79	50.05	85.33	99.93	159.6	546.6	41.10	565.3	390.2	388.8
12-Oct-15	14:09:20	276.8	8.94	1.000	3002.4	17.79	50.03	84.55	99.93	159.5	546.7	41.09	565.2	390.2	388.8
12-Oct-15	14:09:25	277.0	8.94	1.000	2999.7	17.79	50.01	83.93	99.93	159.4	546.7	41.06	565.2	390.2	388.8
12-Oct-15	14:09:30	276.7	8.94	1.000	2996.5	17.79	50.00	84.32	99.93	159.4	546.7	41.03	565.2	390.2	388.8
12-Oct-15	14:09:35	276.2	8.94	1.000	2999.4	17.79	50.00	84.54	99.93	159.3	546.7	41.00	565.2	390.2	388.8
12-Oct-15	14:09:40	276.5	8.94	1.000	2999.0	17.79	50.00	84.67	99.93	159.3	546.8	40.98	565.1	390.2	388.8
12-Oct-15	14:09:45	276.2	8.94	1.000	2998.4	17.79	50.00	84.79	99.93	159.3	546.8	40.96	565.1	390.2	388.8
12-Oct-15	14:09:50	276.0	8.93	1.000	3000.9	17.79	50.00	84.91	99.94	159.3	546.8	40.95	565.1	390.2	388.8
12-Oct-15	14:09:55	276.3	8.92	1.000	2999.8	17.79	49.99	84.56	99.94	159.2	546.8	40.94	565.0	390.2	388.8
12-Oct-15	14:10:00	276.6	8.91	1.000	2999.2	17.79	49.98	84.57	99.94	159.2	546.9	40.92	565.1	390.2	388.8
12-Oct-15	14:10:05	276.4	8.89	1.000	2999.7	17.79	49.98	84.73	99.94	159.2	546.9	40.91	565.1	390.2	388.8
12-Oct-15	14:10:10	276.8	8.88	1.000	3000.3	17.78	49.97	84.89	99.94	159.2	546.9	40.90	565.1	390.2	388.8
12-Oct-15	14:10:15	276.4	8.87	1.000	2997.5	17.78	49.96	84.45	99.94	159.1	546.9	40.90	565.1	390.2	388.7
12-Oct-15	14:10:20	276.1	8.86	1.000	2997.0	17.78	49.96	84.23	99.94	159.1	546.9	40.89	565.1	390.2	388.7
12-Oct-15	14:10:25	276.5	8.81	1.000	2996.6	17.78	49.95	84.01	99.94	159.1	546.9	40.88	565.1	390.2	388.7
12-Oct-15	14:10:30	275.8	8.76	1.000	2996.3	17.78	49.97	84.53	99.94	159.1	546.9	40.87	565.1	390.2	388.7
12-Oct-15	14:10:35	275.7	8.71	1.000	3000.2	17.78	50.00	84.53	99.94	159.1	546.9	40.86	565.1	390.2	388.8
12-Oct-15	14:10:40	276.0	8.66	1.000	3000.6	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.7
12-Oct-15	14:10:45	276.2	8.61	1.000	3000.8	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.8
12-Oct-15	14:10:50	276.3	8.56	1.000	3002.4	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.7
12-Oct-15	14:10:55	276.1	8.51	1.000	3002.8	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.7
12-Oct-15	14:11:00	276.0	8.46	1.000	3003.6	17.78	50.00	84.53	99.94	159.1	547.0	40.85	565.2	390.2	388.7
12-Oct-15	14:11:05	275.9	8.41	1.000	3000.5	17.78	50.00	84.53	99.94	159.1	547.2	40.84	565.3	390.2	388.7
12-Oct-15	14:11:10	275.9	8.36	1.000	3002.1	17.78	50.00	84.45	99.95	159.1	547.4	40.83	565.3	390.2	388.8
12-Oct-15	14:11:15	275.6	8.31	0.999	3003.3	17.78	50.00	84.26	99.95	159.0	547.5	40.82	565.4	390.2	388.8
12-Oct-15	14:11:20	276.1	8.26	0.999	3003.0	17.78	50.00	84.07	99.94	159.1	547.5	40.81	565.4	390.2	388.8
12-Oct-15	14:11:25	276.6	8.26	0.999	3000.1	17.78	50.00	83.48	99.93	159.1	547.6	40.80	565.5	390.2	388.8
12-Oct-15	14:11:30	276.3	8.00	0.999	2999.8	17.78	50.00	83.87	99.93	159.1	547.6	40.79	565.5	390.2	388.8
12-Oct-15	14:11:35	276.0	7.69	0.999	3002.3	17.78	49.99	84.41	99.93	159.1	547.7	40.78	565.6	390.2	388.8
12-Oct-15	14:11:40	276.2	7.38	0.999	3003.4	17.79	49.98	83.87	99.92	159.1	547.7	40.78	565.6	390.2	388.8
12-Oct-15	14:11:45	276.1	7.07	0.999	3003.1	17.78	49.97	83.54	99.91	159.1	547.8	40.77	565.7	390.2	388.8
12-Oct-15	14:11:50	276.4	6.77	0.999	3000.4	17.78	49.96	83.26	99.90	159.1	547.8	40.76	565.7	390.2	388.8
12-Oct-15	14:11:55	276.7	6.46	0.999	2999.3	17.77	49.94	82.98	99.90	159.1	547.9	40.76	565.8	390.2	388.8
12-Oct-15	14:12:00	276.6	5.58	0.999	2993.4	17.77	49.94	83.18	99.89	159.1	547.9	40.75	565.8	390.2	388.8
12-Oct-15	14:12:05	276.3	4.38	0.999	2993.1	17.76	49.95	83.65	99.88	159.2	548.0	40.76	565.8	390.2	388.8
12-Oct-15	14:12:10	275.8	4.94	0.999	2999.2	17.76	49.97	83.75	99.88	159.2	548.0	40.77	565.8	390.2	388.8
12-Oct-15	14:12:15	276.2	5.50	0.999	3001.9	17.75	50.03	83.42	99.88	159.2	548.0	40.79	565.8	390.2	388.8
12-Oct-15	14:12:20	276.5	5.77	1.000	3000.8	17.74	50.03	83.09	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:25	276.6	5.16	0.999	3000.4	17.74	50.01	82.84	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:30	276.6	4.56	0.999	3000.4	17.73	50.00	83.27	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:35	276.8	3.95	0.999	2996.9	17.73	49.97	82.90	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:40	276.6	4.44	0.999	2994.5	17.72	49.94	83.07	99.88	159.2	548.1	40.80	565.9	390.2	388.8
12-Oct-15	14:12:45	276.4	5												

Angamos Power Plant Unit#1

		Gross Power	Reactive Power	Power Factor	Speed	Voltage Generator	Frequency Generator	HP Valve Position	IP Valve Position	HP steam Pressure	HP steam Temperature	IP steam Pressure	HP steam Temperature	Outlet Boiler Temperature A	Outlet Boiler Temperature B
Date	Time	MW	Mvar	-	rpm	kV	Hz	%	%	bar(a)	°C	bar(a)	°C	°C	°C
12-Oct-15	14:16:40	276.6	6.12	0.999	2988.2	17.76	49.81	80.99	99.94	159.5	549.9	40.90	568.4	390.3	388.9
12-Oct-15	14:16:45	276.7	6.07	0.999	2988.3	17.76	49.83	80.77	99.94	159.5	549.9	40.90	568.4	390.3	388.9
12-Oct-15	14:16:50	276.8	6.09	0.999	2989.5	17.76	49.84	80.55	99.94	159.5	550.0	40.90	568.5	390.3	388.9
12-Oct-15	14:16:55	276.9	6.10	0.999	2990.3	17.76	49.81	80.32	99.94	159.5	550.0	40.90	568.5	390.3	388.9
12-Oct-15	14:17:00	277.0	6.11	0.999	2985.4	17.76	49.79	80.58	99.93	159.5	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:05	276.6	6.12	0.999	2987.7	17.76	49.79	81.40	99.93	159.5	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:10	276.8	6.14	0.999	2989.9	17.76	49.80	81.61	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:15	276.8	6.15	0.999	2985.3	17.76	49.81	81.11	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:20	276.6	6.16	0.999	2989.8	17.76	49.82	81.22	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:25	276.9	6.17	0.999	2989.4	17.76	49.83	81.34	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:30	276.7	6.19	0.999	2988.3	17.76	49.83	81.24	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:35	277.0	6.20	0.999	2988.2	17.76	49.82	80.88	99.93	159.6	550.1	40.90	568.5	390.3	388.8
12-Oct-15	14:17:40	277.4	6.21	0.999	2983.9	17.76	49.79	80.66	99.93	159.6	550.2	40.92	568.5	390.3	388.9
12-Oct-15	14:17:45	277.0	6.21	0.999	2986.2	17.76	49.80	81.01	99.93	159.6	550.2	40.94	568.4	390.3	388.9
12-Oct-15	14:17:50	276.3	6.21	0.999	2988.0	17.76	49.82	81.68	99.93	159.6	550.3	40.94	568.4	390.3	388.8
12-Oct-15	14:17:55	276.6	6.21	0.999	2988.1	17.76	49.83	81.63	99.93	159.6	550.4	40.95	568.4	390.3	388.8
12-Oct-15	14:18:00	277.0	6.21	0.999	2989.1	17.76	49.84	81.58	99.93	159.6	550.4	40.96	568.3	390.3	388.8
12-Oct-15	14:18:05	276.7	6.21	0.999	2989.8	17.76	49.84	81.57	99.93	159.6	550.5	40.97	568.3	390.3	388.8
12-Oct-15	14:18:10	276.1	6.45	0.999	2995.3	17.76	49.87	82.30	99.94	159.6	550.6	40.98	568.3	390.3	388.8
12-Oct-15	14:18:15	276.9	6.72	0.999	2994.4	17.77	49.88	81.67	99.94	159.6	550.6	40.98	568.3	390.3	388.8
12-Oct-15	14:18:20	277.2	7.00	0.999	2990.2	17.77	49.86	81.36	99.94	159.6	550.6	40.99	568.4	390.3	388.8
12-Oct-15	14:18:25	276.5	7.28	0.999	2991.1	17.77	49.84	81.82	99.94	159.6	550.6	40.99	568.4	390.3	388.8
12-Oct-15	14:18:30	276.5	7.55	0.999	2992.4	17.78	49.83	81.98	99.94	159.6	550.6	41.00	568.4	390.3	388.8
12-Oct-15	14:18:35	276.7	7.83	0.999	2988.5	17.78	49.81	82.13	99.94	159.6	550.6	41.00	568.4	390.3	388.8
12-Oct-15	14:18:40	276.8	8.11	0.999	2990.4	17.78	49.80	82.39	99.94	159.6	550.6	41.01	568.4	390.3	388.8
12-Oct-15	14:18:45	276.6	8.09	0.999	2987.6	17.78	49.79	82.45	99.94	159.6	550.6	41.01	568.4	390.3	388.8
12-Oct-15	14:18:50	276.2	8.02	0.999	2986.7	17.78	49.80	82.61	99.94	159.7	550.6	41.02	568.4	390.3	388.8
12-Oct-15	14:18:55	276.1	7.95	0.999	2992.0	17.78	49.81	82.72	99.94	159.7	550.6	41.02	568.4	390.3	388.8
12-Oct-15	14:19:00	276.7	7.87	0.999	2992.4	17.78	49.82	82.72	99.95	159.7	550.6	41.03	568.4	390.3	388.8
12-Oct-15	14:19:05	276.4	7.80	0.999	2992.8	17.78	49.83	82.72	99.95	159.7	550.6	41.03	568.4	390.3	388.8
12-Oct-15	14:19:10	276.7	7.73	0.999	2993.1	17.78	49.84	82.72	99.95	159.7	550.6	41.03	568.4	390.3	388.8
12-Oct-15	14:19:15	276.7	7.66	0.999	2991.9	17.78	49.85	82.72	99.95	159.7	550.6	41.03	568.4	390.4	388.8
12-Oct-15	14:19:20	276.7	7.59	1.000	2993.9	17.79	49.86	82.72	99.95	159.7	550.6	41.03	568.4	390.4	388.8
12-Oct-15	14:19:25	276.5	7.52	1.000	2993.1	17.79	49.87	82.72	99.95	159.7	550.6	41.04	568.3	390.4	388.9
12-Oct-15	14:19:30	276.4	7.45	1.000	2993.4	17.79	49.88	82.74	99.95	159.7	550.6	41.05	568.3	390.4	388.9
12-Oct-15	14:19:35	276.5	7.38	1.000	2995.2	17.79	49.89	82.79	99.95	159.8	550.6	41.05	568.3	390.4	388.9
12-Oct-15	14:19:40	276.8	7.31	1.000	2994.5	17.79	49.89	82.83	99.95	159.8	550.6	41.06	568.2	390.4	388.9
12-Oct-15	14:19:45	277.0	7.30	1.000	2991.5	17.79	49.89	82.88	99.94	159.8	550.6	41.07	568.2	390.4	388.9
12-Oct-15	14:19:50	276.7	7.27	1.000	2989.4	17.79	49.86	82.92	99.94	159.8	550.6	41.07	568.2	390.4	388.9
12-Oct-15	14:19:55	276.4	7.25	1.000	2995.6	17.79	49.89	82.87	99.94	159.8	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:00	277.2	7.22	1.000	2995.2	17.79	49.89	82.82	99.94	159.8	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:05	277.1	7.19	1.000	2990.2	17.79	49.89	82.63	99.94	159.9	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:10	277.0	7.16	1.000	2992.6	17.79	49.89	82.93	99.94	159.9	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:15	277.3	7.14	1.000	2995.6	17.79	49.89	82.70	99.94	159.9	550.6	41.09	568.1	390.4	388.9
12-Oct-15	14:20:20	277.1	7.11	1.000	2993.8	17.79	49.88	82.47	99.94	159.9	550.6	41.09	568.1	390.4	388.9
12-Oct-15	14:20:25	277.2	7.08	1.000	2991.5	17.79	49.88	82.47	99.94	160.0	550.6	41.09	568.1	390.5	388.9
12-Oct-15	14:20:30	277.0	7.05	1.000	2989.8	17.79	49.88	82.73	99.94	160.0	550.6	41.09	568.1	390.5	388.9
12-Oct-15	14:20:35	277.1	7.03	1.000	2995.3	17.79	49.88	82.75	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:40	277.2	7.00	1.000	2994.3	17.79	49.88	82.51	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:45	277.3	6.99	1.000	2991.2	17.79	49.87	82.37	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:50	277.2	6.99	1.000	2989.1	17.79	49.87	82.54	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:55	277.0	6.99	1.000	2993.0	17.79	49.87	82.71	99.94	160.1	550.6	41.10	568.2	390.5	388.9
12-Oct-15	14:21:00	277.2	6.99	1.000	2994.6	17.79	49.87	82.57	99.94	160.1	550.6	41.10	568.2	390.5	388.9
12-Oct-15	14:21:05	277.0	6.99	1.000	2992.2	17.79	49.89	82.29	99.94	160.0	550.7	41.10	568.1	390.5	388.9
12-Oct-15	14:21:10	276.5	6.99	1.000	2995.8	17.79	49.91	82.66	99.95	160.0	550.7	41.10	568.1	390.5	388.9
12-Oct-15	14:21:15	277.5	6.99	0.999	2994.9	17.79	49.89	82.29	99.95	160.0	550.7	41.10	568.1	390.6	388.9
12-Oct-15	14:21:20	277.6	6.99	0.999	2987.7	17.79	49.84	82.39	99.95	160.0	550.7	41.10	568.1	390.6	388.9
12-Oct-15	14:21:25	277.2	6.99	0.999	2987.6	17.79	49.81	82.40	99.95	160.0	550.7	41.10	568.1	390.6	388.9
12-Oct-15	14:21:30	276.9	6.95	1.000	2990.8	17.79	49.85	82.60	99.94	160.0	550.7	41.10	568.0	390.6	388.9
12-Oct-15	14:21:35	276.9	6.91	1.000	2994.8	17.79	49.87	82.61	99.94	160.0	550.6	41.10	568.0	390.6	388.9
12-Oct-15	14:21:40	277.3	6.87	1.000	2993.1	17.79	49.88	82.20	99.94	160.0	550.6	41.10	567.9	390.6	388.9
12-Oct-15	14:21:45	277.4	6.92	1.000	2992.9	17.79	49.88	82.25	99.94	160.0	550.6	41.10	567.9	390.6	388.9
12-Oct-15	14:21:50	277.2	7.01	1.000	2991.5	17.79	49.89	82.30	99.93	160.0	550.6	41.10	567.9	390.6	389.0
12-Oct-15	14:21:55	277.1	7.11	1.000	2988.1	17.78	49.89	82.39	99.93	160.0	550.6	41.10	567.9	390.6	389.0
12-Oct-15	14:22:00	276.9	7.20	1.000	2989.4	17.78	49.90	82.60	99.93	159.9	550.6	41.09	567.8	390.6	389.0
12-Oct-15	14:22:05	276.8	7.29	1.000	2988.4	17.78	49.91	82.81	99.93	159.9	550.5	41.09	567.8	390.6	389.0
12-Oct-15	14:22:10	276.5	7.39	1.000	2990.0	17.78	49.91	83.02	99.92	159.8	550.5	41.08	567.8	390.6	389.0
12-Oct-15	14:22:15	276.5	7.48	1.000	2996.3	17.78	49.92	82.77	99.92	159.8	550.5	41.07	567.8	390.6	389.0
12-Oct-15	14:22:20	277.1	7.58	1.000	2991.7	17.78	49.89	82.25	99.92	159.8	550.5	41.06	567.8	390.6	389.0
12-Oct-15	14:22:25	277.2	7.67	0.999	2988.8	17.78	49.86	82.30	99.92	159.8	550.5	41.05	567.8	390.6	389.0
12-Oct-15	14:22:30	276.8	7.77	0.999	2988.0	17.78	49.87	82.63	99.92	159.8	550.5	41.05	567.8	390.6	389.0
12-Oct-15	14:22:35	277.0													

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:26:30	276.7	8.52	1.000	2997.1	17.78	49.96	83.61	99.94	159.3	550.7	40.99	566.0	390.6	388.9
12-Oct-15	14:26:35	276.8	8.75	1.000	2998.4	17.79	49.94	83.65	99.94	159.4	550.7	40.99	566.0	390.6	388.9
12-Oct-15	14:26:40	277.0	8.89	1.000	2997.6	17.79	49.93	83.69	99.94	159.4	550.6	40.99	566.0	390.6	388.9
12-Oct-15	14:26:45	277.0	8.92	1.000	2994.6	17.79	49.91	83.72	99.94	159.4	550.6	40.99	566.0	390.6	388.9
12-Oct-15	14:26:50	276.8	8.95	1.000	2994.5	17.79	49.91	83.76	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:26:55	276.7	8.98	1.000	2994.2	17.79	49.90	83.80	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:27:00	276.6	9.01	1.000	2994.2	17.79	49.89	83.84	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:27:05	276.7	9.04	1.000	2993.0	17.79	49.89	83.89	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:27:10	276.2	9.08	1.000	2998.4	17.79	49.88	83.85	99.94	159.5	550.6	41.00	565.9	390.6	389.0
12-Oct-15	14:27:15	277.3	9.11	1.000	2994.4	17.79	49.87	82.91	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:20	277.1	9.14	1.000	2987.7	17.79	49.87	83.17	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:25	276.9	9.17	1.000	2988.2	17.79	49.86	83.39	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:30	276.7	9.20	1.000	2991.1	17.79	49.86	83.17	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:35	277.0	9.23	1.000	2993.0	17.79	49.86	82.96	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:40	276.8	9.25	1.000	2990.0	17.79	49.86	83.08	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:45	276.6	9.25	1.000	2994.7	17.79	49.86	83.35	99.94	159.5	550.5	41.00	566.0	390.7	389.0
12-Oct-15	14:27:50	276.6	9.25	1.000	2995.2	17.79	49.86	83.17	99.94	159.5	550.4	41.00	566.1	390.7	389.0
12-Oct-15	14:27:55	277.1	9.25	1.000	2995.6	17.79	49.86	82.80	99.93	159.6	550.4	41.00	566.2	390.7	389.0
12-Oct-15	14:28:00	277.3	9.25	1.000	2992.9	17.79	49.86	82.50	99.93	159.6	550.4	41.00	566.2	390.7	389.0
12-Oct-15	14:28:05	277.5	9.25	1.000	2992.3	17.79	49.86	82.25	99.92	159.6	550.3	41.00	566.2	390.7	389.0
12-Oct-15	14:28:10	277.4	9.08	1.000	2988.9	17.79	49.83	82.03	99.91	159.6	550.3	41.00	566.2	390.7	389.0
12-Oct-15	14:28:15	277.0	8.88	1.000	2990.7	17.79	49.82	82.45	99.91	159.6	550.2	41.00	566.1	390.7	389.0
12-Oct-15	14:28:20	276.8	8.67	1.000	2992.0	17.79	49.84	82.34	99.91	159.6	550.2	40.99	566.1	390.7	389.0
12-Oct-15	14:28:25	277.3	8.47	1.000	2994.5	17.79	49.85	82.23	99.91	159.6	550.2	40.99	566.1	390.7	389.0
12-Oct-15	14:28:30	277.1	8.27	1.000	2993.0	17.79	49.87	82.11	99.91	159.6	550.1	40.99	566.1	390.7	389.0
12-Oct-15	14:28:35	276.9	8.07	1.000	2992.9	17.79	49.88	82.00	99.91	159.6	550.1	40.99	566.1	390.7	389.0
12-Oct-15	14:28:40	276.8	8.01	1.000	2995.5	17.79	49.89	81.89	99.91	159.6	550.1	40.99	566.1	390.7	389.0
12-Oct-15	14:28:45	276.9	8.13	1.000	2992.3	17.79	49.91	81.78	99.91	159.6	550.1	40.99	566.0	390.7	389.0
12-Oct-15	14:28:50	277.1	8.25	1.000	2994.4	17.79	49.91	81.67	99.91	159.6	550.0	40.99	566.0	390.7	389.0
12-Oct-15	14:28:55	277.5	8.37	1.000	2994.2	17.79	49.88	81.56	99.91	159.6	550.0	40.99	566.0	390.7	389.1
12-Oct-15	14:29:00	277.5	8.49	1.000	2989.2	17.79	49.84	81.80	99.91	159.6	550.0	40.99	566.0	390.7	389.1
12-Oct-15	14:29:05	276.9	8.60	1.000	2990.2	17.79	49.82	82.22	99.91	159.6	550.0	40.99	566.0	390.7	389.0
12-Oct-15	14:29:10	276.5	8.72	1.000	2995.6	17.79	49.85	82.28	99.91	159.6	550.0	40.99	566.0	390.8	389.1
12-Oct-15	14:29:15	277.1	8.84	1.000	2995.5	17.79	49.86	81.62	99.91	159.6	549.9	40.99	566.0	390.8	389.1
12-Oct-15	14:29:20	277.4	8.96	1.000	2994.4	17.79	49.84	81.50	99.91	159.6	549.9	40.99	566.0	390.8	389.1
12-Oct-15	14:29:25	277.6	9.08	1.000	2988.1	17.79	49.83	81.50	99.91	159.6	549.9	40.99	566.0	390.8	389.1
12-Oct-15	14:29:30	277.2	9.19	1.000	2987.3	17.79	49.82	81.44	99.91	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:35	277.1	9.31	1.000	2986.6	17.79	49.81	81.30	99.92	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:40	276.9	9.38	1.000	2988.1	17.79	49.81	81.17	99.92	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:45	276.8	9.38	1.000	2993.1	17.79	49.84	81.04	99.93	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:50	277.8	8.764	1.000	2989.1	17.79	49.84	80.90	99.94	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:55	276.9	8.03	1.000	2995.4	17.79	49.86	80.77	99.94	159.7	549.9	40.97	565.9	390.8	389.1
12-Oct-15	14:30:00	276.7	7.44	1.000	2995.1	17.79	49.90	80.63	99.95	159.7	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:05	277.9	9.08	1.000	2992.0	17.79	49.89	80.50	99.95	159.7	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:10	277.7	9.26	1.000	2987.7	17.79	49.83	80.79	99.96	159.8	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:15	277.3	9.19	1.000	2990.8	17.79	49.81	81.22	99.96	159.8	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:20	276.9	9.13	1.000	2992.2	17.79	49.82	81.35	99.96	159.8	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:25	277.5	9.06	1.000	2992.9	17.79	49.83	80.88	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:30	277.4	8.99	1.000	2993.6	17.79	49.84	80.71	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:35	277.2	8.93	1.000	2994.3	17.79	49.85	80.54	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:40	277.0	8.86	1.000	2994.5	17.79	49.85	80.37	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:45	276.8	8.79	1.000	2993.2	17.79	49.86	80.20	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:50	277.7	8.73	1.000	2992.0	17.79	49.87	80.03	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:55	277.7	8.66	1.000	2991.3	17.79	49.88	80.20	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:31:00	277.8	8.60	1.000	2987.6	17.79	49.89	80.07	99.96	160.1	549.9	40.97	566.2	390.8	389.2
12-Oct-15	14:31:05	277.4	8.53	1.000	2989.5	17.79	49.89	80.33	99.96	160.1	550.1	40.97	566.2	390.9	389.2
12-Oct-15	14:31:10	277.3	8.51	1.000	2993.4	17.79	49.90	80.43	99.96	160.1	550.2	40.98	566.2	390.8	389.2
12-Oct-15	14:31:15	277.2	8.51	1.000	2994.4	17.79	49.91	80.32	99.96	160.1	550.3	40.99	566.2	390.9	389.2
12-Oct-15	14:31:20	277.4	8.51	1.000	2994.4	17.79	49.91	80.21	99.95	160.1	550.3	40.99	566.2	390.9	389.2
12-Oct-15	14:31:25	277.5	8.51	1.000	2996.4	17.79	49.91	80.09	99.95	160.2	550.2	40.99	566.2	390.9	389.3
12-Oct-15	14:31:30	277.6	8.63	1.000	2993.9	17.79	49.92	79.98	99.95	160.2	550.2	40.99	566.3	390.9	389.3
12-Oct-15	14:31:35	277.5	8.77	1.000	2992.9	17.79	49.93	80.04	99.94	160.2	550.2	41.00	566.3	390.9	389.3
12-Oct-15	14:31:40	277.3	8.92	1.000	2994.2	17.78	49.93	80.28	99.94	160.2	550.1	41.00	566.3	390.9	389.3
12-Oct-15	14:31:45	277.4	9.06	1.000	2994.6	17.78	49.94	80.25	99.93	160.2	550.1	41.00	566.3	390.9	389.3
12-Oct-15	14:31:50	277.5	9.20	1.000	2997.9	17.78	49.95	79.93	99.93	160.2	550.1	41.00	566.3	390.9	389.3
12-Oct-15	14:31:55	277.6	9.35	1.000	2998.8	17.78	49.96	80.45	99.92	160.3	550.0	41.00	566.3	390.9	389.3
12-Oct-15	14:32:00	277.7	9.49	1.000	2998.3	17.78	49.95	80.03	99.92	160.3	550.0	41.00	566.3	390.9	389.3
12-Oct-15	14:32:05	277.8	9.64	1.000	2997.2	17.78	49.93	79.94	99.91	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:10	278.0	9.69	1.000	2995.6	17.78	49.92	79.84	99.91	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:15	277.7	9.69	1.000	2995.6	17.78	49.92	80.14	99.90	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:20	277.4	9.69	1.000	2995.3	17.78	49.94	80.73	99.90	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:25	276.9	9.69	1.000	2999.1	17.78	49.96								

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:36:20	276.5	9.60	1.000	2995.1	17.78	49.89	83.20	99.94	159.8	549.5	41.05	566.7	391.0	389.5
12-Oct-15	14:36:25	277.1	9.60	1.000	2993.9	17.78	49.89	82.97	99.94	159.8	549.6	41.05	566.7	391.0	389.5
12-Oct-15	14:36:30	277.4	9.52	1.000	2990.9	17.78	49.86	82.74	99.94	159.8	549.6	41.04	566.7	391.0	389.5
12-Oct-15	14:36:35	277.2	9.42	1.000	2986.4	17.79	49.82	83.04	99.94	159.8	549.6	41.03	566.7	391.0	389.5
12-Oct-15	14:36:40	276.8	9.32	1.000	2988.0	17.79	49.80	83.51	99.94	159.8	549.6	41.03	566.7	391.0	389.5
12-Oct-15	14:36:45	276.4	9.22	1.000	2988.3	17.79	49.84	83.92	99.93	159.8	549.7	41.04	566.7	391.0	389.5
12-Oct-15	14:36:50	276.8	9.12	1.000	2988.2	17.79	49.85	83.63	99.93	159.7	549.7	41.05	566.7	391.0	389.5
12-Oct-15	14:36:55	276.7	9.02	1.000	2992.5	17.79	49.86	83.71	99.93	159.7	549.7	41.06	566.7	391.0	389.5
12-Oct-15	14:37:00	276.5	8.92	1.000	2994.4	17.79	49.87	83.78	99.93	159.7	549.7	41.07	566.7	391.0	389.5
12-Oct-15	14:37:05	276.6	8.82	1.000	2995.6	17.79	49.88	83.86	99.93	159.7	549.8	41.07	566.7	391.0	389.5
12-Oct-15	14:37:10	276.9	8.72	1.000	2995.7	17.79	49.88	83.57	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:15	276.9	10.31	1.000	2994.9	17.79	49.87	83.36	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:20	276.8	10.33	1.000	2994.7	17.79	49.86	83.40	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:25	277.3	9.82	1.000	2995.6	17.79	49.85	83.79	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:30	277.0	9.30	1.000	2989.3	17.79	49.84	83.75	99.93	159.7	549.8	41.08	566.7	391.0	389.4
12-Oct-15	14:37:35	276.7	8.78	1.000	2995.7	17.79	49.86	84.08	99.93	159.7	549.8	41.08	566.7	391.0	389.4
12-Oct-15	14:37:40	276.9	9.42	1.000	2995.7	17.79	49.88	83.71	99.93	159.7	549.8	41.07	566.7	391.0	389.4
12-Oct-15	14:37:45	277.1	10.58	1.000	2991.6	17.79	49.87	83.20	99.93	159.7	550.0	41.06	566.8	391.0	389.4
12-Oct-15	14:37:50	276.9	10.58	1.000	2995.1	17.79	49.86	83.47	99.93	159.7	550.1	41.05	566.8	391.0	389.4
12-Oct-15	14:37:55	277.2	10.58	1.000	2988.9	17.79	49.84	83.34	99.93	159.7	550.2	41.04	566.8	391.0	389.4
12-Oct-15	14:38:00	277.2	10.58	1.000	2988.0	17.79	49.84	83.13	99.94	159.7	550.3	41.03	566.8	391.0	389.4
12-Oct-15	14:38:05	276.6	10.58	1.000	2990.4	17.79	49.84	83.24	99.94	159.7	550.4	41.02	566.8	391.0	389.4
12-Oct-15	14:38:10	276.8	10.50	1.000	2987.9	17.79	49.85	83.36	99.94	159.7	550.5	41.02	566.8	391.0	389.3
12-Oct-15	14:38:15	276.6	10.42	1.000	2989.7	17.79	49.86	83.39	99.95	159.7	550.6	41.02	566.8	391.0	389.3
12-Oct-15	14:38:20	10.33	1.000	2991.4	17.79	49.87	83.21	99.95	159.7	550.6	41.02	566.9	391.0	389.3	
12-Oct-15	14:38:25	276.6	10.24	1.000	2993.2	17.79	49.88	83.02	99.95	159.6	550.6	41.01	566.9	391.0	389.3
12-Oct-15	14:38:30	276.9	10.15	1.000	2995.2	17.79	49.89	82.84	99.95	159.6	550.6	41.01	566.9	391.0	389.3
12-Oct-15	14:38:35	277.4	10.06	1.000	2989.5	17.79	49.86	82.68	99.94	159.6	550.6	41.01	566.9	391.0	389.3
12-Oct-15	14:38:40	276.8	9.97	1.000	2991.8	17.79	49.85	83.24	99.94	159.6	550.7	41.01	566.9	391.0	389.3
12-Oct-15	14:38:45	276.4	9.88	1.000	2995.1	17.79	49.87	83.55	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:38:50	276.4	9.68	1.000	2995.6	17.79	49.89	83.56	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:38:55	276.8	9.49	1.000	2995.5	17.79	49.88	83.23	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:00	276.6	9.30	1.000	2993.0	17.79	49.88	83.10	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:05	276.7	9.10	1.000	2993.9	17.79	49.87	83.20	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:10	276.4	8.91	1.000	2995.1	17.79	49.86	83.30	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:15	276.4	8.72	1.000	2998.3	17.79	49.86	83.24	99.94	159.5	550.8	41.00	567.0	391.0	389.3
12-Oct-15	14:39:20	277.0	8.52	1.000	2994.0	17.79	49.85	82.78	99.94	159.5	550.8	40.99	567.0	391.0	389.3
12-Oct-15	14:39:25	277.0	8.33	1.000	2987.8	17.79	49.84	82.72	99.94	159.5	550.7	40.99	567.0	391.0	389.3
12-Oct-15	14:39:30	277.0	8.14	1.000	2989.6	17.79	49.84	82.94	99.93	159.5	550.7	40.98	567.0	391.0	389.3
12-Oct-15	14:39:35	276.2	7.94	1.000	2994.5	17.79	49.84	83.31	99.93	159.5	550.7	40.97	567.1	391.0	389.3
12-Oct-15	14:39:40	276.3	8.27	1.000	2994.6	17.79	49.84	83.33	99.93	159.4	550.7	40.96	567.1	391.0	389.3
12-Oct-15	14:39:45	276.8	9.64	1.000	2989.6	17.80	49.84	83.15	99.93	159.4	550.7	40.96	567.1	391.0	389.3
12-Oct-15	14:39:50	276.5	8.74	1.000	2989.3	17.79	49.86	83.36	99.93	159.4	550.6	40.95	567.1	391.1	389.3
12-Oct-15	14:39:55	275.8	8.14	1.000	2994.2	17.79	49.88	83.53	99.92	159.4	550.6	40.95	567.1	391.0	389.3
12-Oct-15	14:40:00	276.9	9.38	1.000	2995.7	17.79	49.89	82.75	99.92	159.4	550.6	40.96	567.1	391.0	389.3
12-Oct-15	14:40:05	276.5	8.75	1.000	2995.4	17.79	49.90	83.19	99.92	159.4	550.6	40.96	567.1	391.1	389.3
12-Oct-15	14:40:10	276.5	8.04	1.000	2995.4	17.79	49.91	82.85	99.92	159.4	550.6	40.97	567.1	391.0	389.3
12-Oct-15	14:40:15	276.7	8.41	1.000	2995.5	17.79	49.92	82.96	99.92	159.4	550.5	40.97	567.1	391.0	389.3
12-Oct-15	14:40:20	276.5	8.78	1.000	2995.6	17.79	49.93	82.68	99.92	159.4	550.5	40.98	567.1	391.1	389.3
12-Oct-15	14:40:25	276.4	9.14	1.000	2993.8	17.79	49.93	82.99	99.92	159.4	550.5	40.99	567.1	391.1	389.3
12-Oct-15	14:40:30	276.5	9.51	1.000	2997.0	17.79	49.94	82.97	99.92	159.4	550.5	40.99	567.1	391.1	389.3
12-Oct-15	14:40:35	277.4	9.81	1.000	2993.0	17.79	49.91	82.60	99.92	159.4	550.5	41.00	567.1	391.1	389.3
12-Oct-15	14:40:40	277.1	8.95	1.000	2987.9	17.79	49.88	82.82	99.92	159.5	550.5	41.00	567.1	391.1	389.3
12-Oct-15	14:40:45	276.4	8.10	1.000	2995.1	17.79	49.85	83.04	99.92	159.5	550.5	41.00	567.1	391.1	389.3
12-Oct-15	14:40:50	276.2	8.58	1.000	2996.4	17.79	49.89	82.90	99.92	159.5	550.5	41.00	567.1	391.1	389.4
12-Oct-15	14:40:55	276.9	9.71	1.000	2993.0	17.79	49.89	82.60	99.92	159.5	550.5	41.00	567.1	391.1	389.4
12-Oct-15	14:41:00	276.8	9.71	1.000	2990.7	17.79	49.89	82.89	99.92	159.5	550.5	41.00	567.1	391.1	389.4
12-Oct-15	14:41:05	276.6	9.71	1.000	2994.4	17.79	49.89	82.89	99.92	159.5	550.6	40.99	567.1	391.1	389.4
12-Oct-15	14:41:10	276.5	9.71	1.000	2992.6	17.79	49.89	82.89	99.93	159.5	550.6	40.99	567.2	391.1	389.4
12-Oct-15	14:41:15	276.9	9.71	1.000	2992.9	17.79	49.89	82.60	99.97	159.5	550.6	40.99	567.2	391.1	389.4
12-Oct-15	14:41:20	276.6	9.71	0.999	2991.8	17.79	49.89	82.61	99.99	159.5	550.6	40.98	567.2	391.1	389.4
12-Oct-15	14:41:25	276.9	9.71	0.999	2991.2	17.79	49.89	82.61	99.99	159.5	550.6	40.98	567.1	391.1	389.4
12-Oct-15	14:41:30	276.6	8.66	0.999	2990.8	17.79	49.89	82.62	99.98	159.5	550.6	40.97	567.1	391.1	389.4
12-Oct-15	14:41:35	276.7	7.91	0.999	2992.9	17.79	49.88	82.63	99.97	159.5	550.6	40.97	567.1	391.1	389.4
12-Oct-15	14:41:40	276.9	8.56	0.999	2993.5	17.79	49.87	82.64	99.96	159.5	550.6	40.97	567.1	391.1	389.4
12-Oct-15	14:41:45	276.8	9.20	0.999	2993.0	17.79	49.86	82.64	99.96	159.5	550.5	40.97	567.0	391.2	389.4
12-Oct-15	14:41:50	276.6	9.58	0.999	2987.7	17.79	49.86	82.65	99.95	159.5	550.5	40.97	567.0	391.2	389.4
12-Oct-15	14:41:55	276.9	9.18	0.999	2987.9	17.79	49.87	82.66	99.94	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:00	276.6	8.78	0.999	2993.3	17.79	49.87	82.69	99.93	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:05	276.8	8.38	0.999	2989.1	17.79	49.88	82.65	99.93	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:10	276.6	7.97	0.999	2988.5	17.79	49.89	82.60	99.92	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:15	276.4	7.95	0.999	2993.0	17.79	49.89								

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:46:10	277.2	8.19	1.000	2991.6	17.76	49.85	79.93	99.91	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:15	277.4	8.19	1.000	2991.0	17.76	49.84	80.28	99.93	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:20	277.6	8.19	0.999	2988.0	17.76	49.83	80.03	99.95	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:25	276.7	8.19	0.999	2992.4	17.76	49.83	80.55	99.95	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:30	277.0	8.92	0.999	2993.0	17.77	49.88	80.12	99.96	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:35	277.8	9.07	0.999	2991.0	17.78	49.84	79.84	99.96	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:40	276.9	8.41	0.999	2990.8	17.79	49.85	80.19	99.97	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:45	277.0	7.76	0.999	2993.0	17.79	49.86	80.14	99.97	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:46:50	277.2	7.54	0.999	2994.5	17.79	49.88	80.03	99.97	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:46:55	277.2	7.87	0.999	2992.6	17.79	49.88	79.93	99.98	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:00	277.2	8.19	0.999	2992.5	17.79	49.87	79.83	99.98	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:05	277.4	8.52	0.999	2990.3	17.79	49.86	79.82	99.99	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:10	277.2	8.85	0.999	2989.0	17.79	49.85	79.92	99.99	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:15	277.1	9.18	0.999	2989.1	17.79	49.84	80.02	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:20	277.0	9.29	0.999	2991.5	17.79	49.83	80.12	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:25	276.9	9.29	0.999	2988.9	17.79	49.84	80.22	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:30	276.8	9.29	0.999	2990.5	17.79	49.85	80.32	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:35	277.0	9.29	0.999	2991.2	17.79	49.85	80.36	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:40	277.0	9.29	0.999	2988.6	17.79	49.86	80.36	100.00	160.0	551.1	41.00	566.6	391.4	390.0
12-Oct-15	14:47:45	276.4	9.29	0.999	2994.1	17.79	49.87	80.36	100.00	160.0	551.1	41.02	566.6	391.4	390.0
12-Oct-15	14:47:50	277.0	9.29	1.000	2992.4	17.79	49.87	80.45	99.99	160.0	551.1	41.04	566.6	391.4	390.0
12-Oct-15	14:47:55	276.9	9.29	1.000	2993.0	17.79	49.88	80.65	99.98	160.0	551.1	41.04	566.6	391.5	390.0
12-Oct-15	14:48:00	277.2	9.29	1.000	2989.3	17.79	49.85	80.85	99.97	160.0	551.1	41.05	566.6	391.5	390.0
12-Oct-15	14:48:05	276.8	9.29	0.999	2987.2	17.79	49.83	81.26	99.95	160.0	551.0	41.05	566.6	391.5	390.0
12-Oct-15	14:48:10	276.6	9.12	0.999	2988.4	17.79	49.79	81.26	99.94	160.0	551.0	41.05	566.6	391.5	390.0
12-Oct-15	14:48:15	276.3	8.91	0.999	2988.5	17.79	49.82	81.43	99.92	160.0	551.0	41.06	566.6	391.5	390.0
12-Oct-15	14:48:20	276.8	8.83	0.999	2990.1	17.79	49.84	81.44	99.91	160.0	551.0	41.06	566.6	391.5	390.0
12-Oct-15	14:48:25	276.6	8.82	0.999	2990.9	17.79	49.85	81.46	99.92	160.1	551.0	41.06	566.6	391.4	390.0
12-Oct-15	14:48:30	276.4	8.80	0.999	2994.1	17.79	49.87	81.48	99.92	160.1	551.0	41.07	566.6	391.4	390.0
12-Oct-15	14:48:35	276.7	8.79	0.999	2995.5	17.79	49.88	81.49	99.92	160.1	551.0	41.07	566.6	391.5	390.0
12-Oct-15	14:48:40	276.5	8.77	0.999	2994.9	17.79	49.87	81.51	99.92	160.1	550.9	41.07	566.6	391.5	390.0
12-Oct-15	14:48:45	276.7	8.76	0.999	2993.1	17.79	49.86	81.32	99.93	160.1	550.9	41.08	566.6	391.5	390.1
12-Oct-15	14:48:50	277.0	8.74	0.999	2994.5	17.79	49.84	80.94	99.93	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:48:55	277.6	8.73	0.999	2991.3	17.79	49.83	80.98	99.93	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:00	277.0	8.71	0.999	2992.1	17.79	49.84	81.40	99.93	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:05	276.6	8.70	0.999	2993.6	17.79	49.85	81.79	99.94	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:10	276.5	8.68	0.999	2995.2	17.78	49.86	82.09	99.94	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:15	276.4	8.67	0.999	2994.6	17.78	49.88	82.25	99.94	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:20	277.0	8.66	0.999	2993.5	17.78	49.87	81.59	99.94	160.1	550.8	41.08	566.4	391.5	390.1
12-Oct-15	14:49:25	277.3	8.66	0.999	2991.6	17.78	49.85	81.77	99.94	160.1	550.8	41.09	566.4	391.5	390.1
12-Oct-15	14:49:30	277.0	8.66	0.999	2992.0	17.78	49.84	81.31	99.94	160.1	550.8	41.10	566.4	391.5	390.1
12-Oct-15	14:49:35	277.0	8.66	0.999	2993.5	17.78	49.83	81.81	99.94	160.2	550.8	41.11	566.4	391.5	390.2
12-Oct-15	14:49:40	277.0	8.66	0.999	2995.0	17.78	49.83	81.86	99.93	160.2	550.8	41.12	566.4	391.5	390.2
12-Oct-15	14:49:45	277.3	8.66	0.999	2991.4	17.78	49.83	81.65	99.93	160.2	550.8	41.13	566.4	391.5	390.2
12-Oct-15	14:49:50	277.5	8.67	0.999	2990.9	17.78	49.84	81.57	99.93	160.2	550.8	41.13	566.4	391.5	390.2
12-Oct-15	14:49:55	277.2	8.67	0.999	2990.3	17.78	49.84	81.82	99.92	160.2	550.8	41.13	566.4	391.5	390.2
12-Oct-15	14:50:00	277.0	8.68	0.999	2989.5	17.78	49.85	82.04	99.92	160.2	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:05	277.1	8.68	0.999	2988.9	17.78	49.86	81.88	99.91	160.1	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:10	277.2	8.69	0.999	2988.4	17.78	49.86	81.73	99.91	160.1	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:15	277.0	8.69	0.999	2988.0	17.78	49.87	81.63	99.90	160.1	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:20	276.7	8.70	0.999	2993.1	17.78	49.88	82.06	99.90	160.1	550.7	41.12	566.5	391.5	390.2
12-Oct-15	14:50:25	276.7	8.72	0.999	2995.7	17.78	49.88	81.72	99.90	160.1	550.7	41.12	566.5	391.5	390.2
12-Oct-15	14:50:30	277.2	8.74	0.999	2993.1	17.78	49.87	81.37	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:35	277.3	8.76	0.999	2991.2	17.78	49.85	81.40	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:40	277.5	8.77	0.999	2988.4	17.78	49.84	80.79	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:45	277.1	8.79	0.999	2989.5	17.78	49.85	81.61	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:50	276.7	8.81	0.999	2994.2	17.78	49.88	82.06	99.90	160.1	550.7	41.12	566.5	391.6	390.3
12-Oct-15	14:50:55	277.1	8.83	0.999	2995.6	17.78	49.90	81.90	99.90	160.1	550.7	41.12	566.5	391.6	390.3
12-Oct-15	14:51:00	277.0	8.85	0.999	2999.1	17.78	49.92	82.07	99.90	160.1	550.7	41.12	566.5	391.6	390.3
12-Oct-15	14:51:05	277.2	8.86	0.999	2998.3	17.78	49.93	82.24	99.90	160.1	550.7	41.12	566.4	391.6	390.3
12-Oct-15	14:51:10	277.5	8.88	0.999	2993.6	17.78	49.90	81.43	99.90	160.1	550.7	41.11	566.4	391.6	390.3
12-Oct-15	14:51:15	277.6	8.90	0.999	2990.9	17.78	49.88	81.72	99.91	160.0	550.7	41.11	566.4	391.6	390.3
12-Oct-15	14:51:20	276.6	8.91	0.999	2995.1	17.78	49.88	82.10	99.91	160.0	550.7	41.10	566.4	391.6	390.3
12-Oct-15	14:51:25	277.5	8.91	0.999	2991.8	17.78	49.88	81.29	99.91	160.0	550.6	41.10	566.4	391.6	390.3
12-Oct-15	14:51:30	277.1	8.89	0.999	2993.8	17.78	49.89	81.63	99.92	160.0	550.6	41.10	566.3	391.6	390.4
12-Oct-15	14:51:35	277.1	8.86	0.999	2992.4	17.78	49.89	82.17	99.92	160.0	550.6	41.09	566.3	391.6	390.3
12-Oct-15	14:51:40	277.3	8.83	0.999	2993.1	17.78	49.90	81.67	99.92	160.0	550.6	41.09	566.3	391.6	390.4
12-Oct-15	14:51:45	277.1	8.81	0.999	2990.9	17.78	49.91	81.75	99.93	160.0	550.5	41.09	566.3	391.6	390.4
12-Oct-15	14:51:50	276.9	8.78	0.999	2990.0	17.78	49.91	81.82	99.93	160.0	550.5	41.08	566.3	391.6	390.4
12-Oct-15	14:51:55	276.9	8.75	0.999	2994.5	17.78	49.92	81.90	99.93	160.0	550.5	41.08	566.3	391.6	390.4
12-Oct-15	14:52:00	276.8	8.73	0.999	2995.7	17.78	49.92	81.96	99.94	160.0	550.4	41.08	566.3	391.6	390.4
12-Oct-15	14:52:05	277.0	8.70	0.999	2994.4	17.78	49.93	81.80	99.94	160.0	550.4	41.08	566.3	391.6	390.4
12-Oct-15	14:52:10	277.1	8.67	0.999	2										

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:56:00	277.0	8.94	0.999	2992.6	17.79	49.90	81.85	99.97	160.2	550.6	41.08	566.4	391.7	390.6
12-Oct-15	14:56:05	277.0	8.94	0.999	2992.5	17.79	49.92	81.85	99.97	160.2	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:10	277.0	8.94	1.000	2995.3	17.79	49.93	81.91	99.97	160.2	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:15	276.9	8.94	1.000	2997.5	17.79	49.93	82.04	99.96	160.2	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:20	277.3	8.94	1.000	2994.3	17.79	49.90	81.42	99.95	160.1	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:25	277.0	8.94	0.999	2994.2	17.79	49.88	81.87	99.95	160.1	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:30	277.1	8.93	0.999	2994.4	17.79	49.89	82.10	99.95	160.1	550.6	41.07	566.6	391.7	390.6
12-Oct-15	14:56:35	277.3	8.93	0.999	2993.8	17.79	49.91	82.17	99.96	160.1	550.6	41.07	566.6	391.7	390.6
12-Oct-15	14:56:40	276.6	8.92	0.999	2992.3	17.79	49.92	82.25	99.96	160.1	550.6	41.07	566.6	391.7	390.6
12-Oct-15	14:56:45	276.8	8.91	1.000	2998.0	17.79	49.93	82.30	99.96	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:56:50	277.0	8.90	1.000	2997.5	17.79	49.93	82.07	99.96	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:56:55	277.5	8.90	1.000	2997.3	17.79	49.92	81.84	99.96	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:57:00	277.2	8.89	1.000	2998.8	17.79	49.92	81.79	99.97	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:57:05	277.3	8.88	0.999	2997.5	17.78	49.91	81.84	99.97	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:57:10	277.4	8.88	0.999	2993.9	17.78	49.90	81.89	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:15	276.8	8.87	0.999	2995.9	17.78	49.90	81.94	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:20	277.1	8.86	0.999	2994.0	17.78	49.89	81.99	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:25	277.4	8.86	1.000	2995.2	17.77	49.88	82.04	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:30	276.7	8.86	1.000	2995.4	17.77	49.89	82.39	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:35	276.5	8.86	1.000	2999.3	17.77	49.92	82.39	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:40	277.2	8.86	1.000	2995.4	17.77	49.92	81.82	99.97	160.0	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:45	277.3	8.86	1.000	2995.6	17.76	49.89	81.57	99.97	159.9	550.4	41.05	566.7	391.7	390.7
12-Oct-15	14:57:50	276.7	8.86	1.000	2996.0	17.76	49.89	82.39	99.97	159.9	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:57:55	276.8	8.86	0.999	2999.3	17.76	49.92	82.40	99.96	159.9	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:00	277.1	8.86	0.999	2999.4	17.76	49.92	81.94	99.96	159.8	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:05	277.5	8.86	1.000	2995.5	17.76	49.93	81.59	99.95	159.8	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:10	277.3	8.09	0.999	2995.3	17.76	49.89	82.23	99.95	159.8	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:15	276.4	7.18	0.999	2997.3	17.76	49.92	82.92	99.94	159.8	550.4	41.04	566.6	391.7	390.6
12-Oct-15	14:58:20	276.7	8.80	0.999	2999.7	17.77	49.96	82.46	99.93	159.7	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:25	277.3	8.61	0.999	2997.1	17.77	49.96	81.79	99.93	159.7	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:30	276.9	8.41	0.999	2993.7	17.77	49.93	82.10	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:35	276.3	8.22	0.999	2998.6	17.77	49.94	82.66	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:40	276.5	8.03	0.999	2998.8	17.77	49.94	82.84	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:45	276.6	7.83	0.999	2997.0	17.77	49.95	83.02	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:50	276.4	7.64	0.999	2996.6	17.77	49.96	83.20	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:55	276.6	7.44	0.999	2994.2	17.77	49.96	83.38	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:00	276.3	7.25	0.999	2997.6	17.77	49.97	83.49	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:05	276.1	7.05	0.999	2998.9	17.77	49.98	83.42	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:10	275.8	6.86	1.000	3002.8	17.77	49.99	83.24	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:15	276.7	8.07	1.000	3001.8	17.77	50.01	83.77	99.93	159.7	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:20	276.0	8.15	1.000	2999.6	17.77	49.98	83.87	99.93	159.6	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:59:25	276.1	7.77	1.000	3002.4	17.77	49.99	83.14	99.93	159.6	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:30	276.1	6.78	1.000	3000.8	17.77	50.00	83.57	99.93	159.5	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:35	276.4	6.78	1.000	3001.2	17.77	50.01	83.36	99.93	159.5	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:40	276.1	6.78	1.000	3000.6	17.77	50.02	83.14	99.94	159.5	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:45	276.4	6.78	1.000	3000.1	17.77	50.03	82.93	99.94	159.5	550.4	41.05	566.5	391.8	390.8
12-Oct-15	14:59:50	277.0	6.19	1.000	3001.9	17.77	50.00	82.71	99.94	159.5	550.4	41.05	566.5	391.8	390.8
12-Oct-15	14:59:55	276.3	6.86	1.000	2997.0	17.77	49.98	83.18	99.94	159.4	550.4	41.06	566.5	391.8	390.8
12-Oct-15	15:00:00	276.1	7.74	1.000	3000.8	17.77	50.00	83.31	99.94	159.4	550.4	41.08	566.5	391.8	390.8
12-Oct-15	15:00:05	277.0	8.62	1.000	3003.6	17.77	50.01	82.80	99.94	159.4	550.5	41.09	566.5	391.8	390.8
12-Oct-15	15:00:10	276.2	8.69	1.000	3004.6	17.77	50.02	83.12	99.95	159.4	550.5	41.09	566.5	391.8	390.8
12-Oct-15	15:00:15	276.5	8.63	1.000	3004.8	17.77	50.03	83.06	99.95	159.4	550.5	41.07	566.5	391.8	390.8
12-Oct-15	15:00:20	276.5	8.56	1.000	3003.7	17.77	50.02	83.00	99.95	159.4	550.5	41.06	566.5	391.8	390.8
12-Oct-15	15:00:25	276.4	8.50	1.000	3003.3	17.77	50.02	82.94	99.95	159.4	550.5	41.04	566.5	391.8	390.8
12-Oct-15	15:00:30	276.3	8.44	1.000	3002.7	17.77	50.01	82.88	99.95	159.4	550.5	41.04	566.5	391.8	390.8
12-Oct-15	15:00:35	276.3	8.38	1.000	3001.1	17.76	50.00	82.82	99.95	159.4	550.5	41.03	566.5	391.8	390.8
12-Oct-15	15:00:40	276.8	8.31	1.000	3001.0	17.76	50.00	82.76	99.95	159.4	550.5	41.02	566.5	391.8	390.8
12-Oct-15	15:00:45	276.5	8.15	1.000	3000.3	17.76	49.99	82.70	99.95	159.4	550.5	41.01	566.5	391.8	390.8
12-Oct-15	15:00:50	276.4	8.19	1.000	2999.6	17.76	49.98	82.64	99.95	159.4	550.5	41.00	566.5	391.9	390.8
12-Oct-15	15:00:55	276.2	8.13	1.000	2999.8	17.76	49.97	82.58	99.95	159.4	550.5	41.00	566.5	391.9	390.9
12-Oct-15	15:01:00	276.2	8.07	1.000	2999.5	17.76	49.96	82.52	99.95	159.4	550.5	40.99	566.5	391.8	390.8
12-Oct-15	15:01:05	276.7	8.00	1.000	2997.0	17.76	49.95	82.48	99.95	159.3	550.5	40.99	566.4	391.8	390.9
12-Oct-15	15:01:10	276.4	7.99	0.999	2997.1	17.76	49.94	82.81	99.96	159.3	550.5	40.98	566.4	391.8	390.9
12-Oct-15	15:01:15	276.1	7.99	0.999	2999.2	17.76	49.96	83.32	99.97	159.2	550.5	40.98	566.4	391.8	390.9
12-Oct-15	15:01:20	276.6	7.99	1.000	2997.1	17.76	49.98	82.61	99.98	159.2	550.5	40.97	566.4	391.8	390.9
12-Oct-15	15:01:25	276.3	7.99	1.000	2997.1	17.76	49.98	82.66	99.99	159.2	550.5	40.97	566.4	391.8	390.9
12-Oct-15	15:01:30	276.4	8.08	1.000	2997.9	17.77	49.93	82.86	99.98	159.3	550.6	40.96	566.4	391.8	390.9
12-Oct-15	15:01:35	276.4	8.17	1.000	2997.1	17.77	49.94	82.66	99.98	159.3	550.6	40.95	566.4	391.9	390.9
12-Oct-15	15:01:40	276.4	8.26	1.000	2998.9	17.77	49.96	82.75	99.97	159.3	550.6	40.95	566.5	391.8	390.9
12-Oct-15	15:01:45	276.0	8.36	1.000	2998.7	17.77	49.97	82.97	99.96	159.3	550.6	40.94	566.5	391.8	390.9
12-Oct-15	15:01:50	276.5	8.45	0.999	2997.1	17.78	49.98	82.55	99.96	159.3	550.7	40.94	566.5	391.8	390.9
12-Oct-15	15:01:55	276.3	8.54	0.999	2997.9	17.78	49.97	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:05:50	277.7	8.19	0.999	2991.2	17.77	49.91	79.90	99.97	160.3	551.9	41.05	567.2	391.9	391.1
12-Oct-15	15:05:55	276.7	8.37	0.999	2998.1	17.77	49.92	79.97	99.97	160.3	551.9	41.05	567.2	391.9	391.1
12-Oct-15	15:06:00	277.7	9.82	0.999	2998.9	17.77	49.96	79.40	99.97	160.3	551.9	41.07	567.2	391.9	391.1
12-Oct-15	15:06:05	277.9	9.82	0.999	2996.4	17.77	49.95	79.10	99.97	160.3	552.0	41.10	567.2	391.9	391.1
12-Oct-15	15:06:10	278.2	9.82	0.999	2994.2	17.77	49.93	79.30	99.96	160.4	552.0	41.11	567.3	391.9	391.1
12-Oct-15	15:06:15	278.0	9.82	0.999	2994.2	17.77	49.92	79.71	99.94	160.4	552.0	41.11	567.2	391.9	391.1
12-Oct-15	15:06:20	277.2	9.82	0.999	2995.6	17.77	49.92	80.12	99.92	160.5	552.0	41.11	567.2	391.9	391.1
12-Oct-15	15:06:25	277.5	9.82	0.999	2998.6	17.77	49.92	79.63	99.90	160.5	552.0	41.12	567.2	391.9	391.1
12-Oct-15	15:06:30	277.6	9.70	0.999	2999.3	17.78	49.94	79.42	99.91	160.5	552.0	41.12	567.2	391.9	391.1
12-Oct-15	15:06:35	277.7	9.55	1.000	2997.1	17.78	49.96	79.26	99.91	160.4	552.0	41.12	567.2	391.9	391.1
12-Oct-15	15:06:40	277.8	9.41	1.000	3001.3	17.79	49.97	79.11	99.92	160.4	551.9	41.13	567.2	391.9	391.1
12-Oct-15	15:06:45	277.9	9.27	1.000	2998.6	17.80	49.96	78.95	99.92	160.4	551.9	41.13	567.2	391.9	391.1
12-Oct-15	15:06:50	277.6	9.12	1.000	3001.5	17.81	49.95	78.88	99.93	160.4	551.9	41.13	567.2	391.9	391.1
12-Oct-15	15:06:55	277.9	8.98	1.000	2996.6	17.81	49.95	78.83	99.93	160.4	551.9	41.13	567.1	391.9	391.1
12-Oct-15	15:07:00	277.7	8.85	1.000	2995.6	17.81	49.94	78.77	99.94	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:05	277.6	8.93	0.999	2998.3	17.81	49.93	78.72	99.94	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:10	277.9	9.00	0.999	2998.2	17.81	49.93	78.66	99.95	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:15	278.0	9.08	0.999	2993.2	17.81	49.92	78.87	99.95	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:20	277.4	9.15	0.999	2998.2	17.80	49.93	79.08	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:25	277.2	9.23	0.999	2997.5	17.80	49.95	78.96	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:30	277.6	9.31	0.999	2996.5	17.80	49.97	78.85	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:35	277.9	9.38	0.999	2998.8	17.80	49.95	78.73	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:40	278.3	9.46	0.999	2996.6	17.80	49.93	78.67	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:45	277.5	9.53	0.999	2999.4	17.80	49.93	78.13	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:50	277.5	9.61	0.999	2998.8	17.80	49.95	78.29	99.96	160.4	551.7	41.14	567.0	391.9	391.1
12-Oct-15	15:07:55	277.3	9.68	0.999	2996.1	17.80	49.96	78.96	99.96	160.4	551.6	41.14	567.0	391.9	391.1
12-Oct-15	15:08:00	278.0	9.75	1.000	2999.4	17.80	49.95	78.63	99.95	160.4	551.6	41.14	567.0	391.9	391.1
12-Oct-15	15:08:05	277.8	9.75	1.000	2993.2	17.80	49.92	78.72	99.95	160.4	551.6	41.14	566.9	391.9	391.1
12-Oct-15	15:08:10	277.5	9.48	1.000	2995.1	17.80	49.93	79.50	99.94	160.4	551.5	41.14	566.9	391.9	391.1
12-Oct-15	15:08:15	277.6	9.15	1.000	2993.4	17.80	49.94	79.60	99.94	160.4	551.5	41.14	566.9	391.9	391.1
12-Oct-15	15:08:20	277.3	8.83	1.000	2994.0	17.80	49.94	79.70	99.93	160.4	551.5	41.14	566.8	391.9	391.1
12-Oct-15	15:08:25	277.4	8.51	1.000	2998.4	17.80	49.95	79.80	99.93	160.4	551.5	41.14	566.8	391.9	391.1
12-Oct-15	15:08:30	277.5	8.18	1.000	2998.2	17.80	49.96	79.90	99.93	160.4	551.5	41.14	566.8	391.9	391.1
12-Oct-15	15:08:35	277.0	7.86	1.000	2996.0	17.80	49.97	80.00	99.93	160.4	551.5	41.14	566.7	391.9	391.1
12-Oct-15	15:08:40	277.3	7.76	1.000	2999.2	17.79	49.97	79.80	99.93	160.4	551.5	41.14	566.7	391.9	391.1
12-Oct-15	15:08:45	278.1	7.77	1.000	2995.4	17.79	49.93	79.57	99.93	160.4	551.5	41.14	566.7	391.9	391.1
12-Oct-15	15:08:50	277.8	7.78	1.000	2994.2	17.79	49.90	79.69	99.93	160.4	551.5	41.13	566.6	391.9	391.1
12-Oct-15	15:08:55	277.4	7.95	1.000	2995.6	17.79	49.87	79.82	99.93	160.4	551.5	41.13	566.6	391.9	391.1
12-Oct-15	15:09:00	277.5	7.80	1.000	2995.6	17.79	49.88	79.95	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:05	277.6	7.81	1.000	2995.7	17.79	49.89	80.07	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:10	277.7	7.82	1.000	2993.2	17.79	49.90	79.76	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:15	278.1	7.84	1.000	2995.6	17.79	49.90	79.21	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:20	277.5	7.85	1.000	2994.8	17.79	49.91	79.98	99.93	160.5	551.4	41.13	566.5	391.9	391.1
12-Oct-15	15:09:25	277.0	7.86	1.000	2997.2	17.79	49.92	80.11	99.93	160.5	551.2	41.13	566.4	391.9	391.1
12-Oct-15	15:09:30	277.9	7.87	1.000	2991.3	17.79	49.90	79.47	99.93	160.5	551.2	41.13	566.4	391.9	391.1
12-Oct-15	15:09:35	277.6	7.88	1.000	2992.4	17.79	49.87	79.49	99.93	160.5	551.2	41.13	566.3	391.9	391.1
12-Oct-15	15:09:40	277.1	7.88	1.000	2994.9	17.79	49.90	80.17	99.93	160.5	551.1	41.13	566.3	391.9	391.1
12-Oct-15	15:09:45	277.3	7.88	1.000	2999.5	17.79	49.92	80.24	99.93	160.4	551.1	41.13	566.3	391.9	391.1
12-Oct-15	15:09:50	277.3	7.89	1.000	2996.5	17.79	49.94	80.31	99.93	160.4	551.1	41.13	566.3	391.9	391.1
12-Oct-15	15:09:55	277.1	7.89	0.999	2996.4	17.79	49.97	80.38	99.93	160.4	551.0	41.13	566.2	391.9	391.1
12-Oct-15	15:10:00	277.8	7.89	0.999	2999.5	17.79	49.96	80.45	99.93	160.4	551.0	41.12	566.1	391.9	391.1
12-Oct-15	15:10:05	277.4	7.90	0.999	2998.7	17.79	49.96	80.52	99.93	160.4	551.0	41.12	566.1	391.9	391.1
12-Oct-15	15:10:10	277.2	7.90	0.999	2997.9	17.79	49.95	80.59	99.93	160.4	550.9	41.11	566.1	391.9	391.1
12-Oct-15	15:10:15	277.1	7.90	0.999	2997.1	17.79	49.94	80.66	99.94	160.4	550.9	41.10	566.1	391.9	391.1
12-Oct-15	15:10:20	277.1	7.91	0.999	2996.2	17.79	49.94	80.73	99.94	160.4	550.9	41.09	566.1	391.9	391.1
12-Oct-15	15:10:25	277.6	7.91	0.999	2995.4	17.79	49.93	80.33	99.94	160.4	550.9	41.08	566.1	391.9	391.1
12-Oct-15	15:10:30	277.5	7.91	0.999	2995.1	17.79	49.93	80.41	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:35	277.2	7.92	0.999	2993.8	17.79	49.95	80.38	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:40	277.0	7.92	0.999	2994.0	17.79	49.95	80.93	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:45	277.2	7.92	0.999	3000.7	17.79	49.96	81.28	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:50	277.3	7.92	0.999	3002.3	17.79	49.97	81.12	99.94	160.4	550.9	41.07	566.1	391.9	391.0
12-Oct-15	15:10:55	277.2	7.92	0.999	2999.4	17.79	49.95	80.96	99.94	160.4	550.9	41.07	566.1	391.9	391.0
12-Oct-15	15:11:00	277.6	7.92	0.999	2996.4	17.79	49.94	80.80	99.94	160.4	550.8	41.07	566.1	391.9	391.0
12-Oct-15	15:11:05	277.4	7.92	0.999	2995.2	17.79	49.92	80.78	99.94	160.4	550.8	41.08	566.0	391.9	391.0
12-Oct-15	15:11:10	277.3	7.92	0.999	2993.8	17.79	49.94	81.07	99.94	160.4	550.7	41.08	566.0	391.9	391.1
12-Oct-15	15:11:15	277.1	7.92	0.999	2998.4	17.79	49.95	81.51	99.95	160.4	550.7	41.09	566.0	391.9	391.0
12-Oct-15	15:11:20	276.9	7.92	0.999	3000.5	17.79	49.97	81.52	99.95	160.4	550.7	41.09	566.0	391.9	391.0
12-Oct-15	15:11:25	277.0	7.92	0.999	3003.0	17.79	49.98	81.47	99.96	160.4	550.6	41.10	566.0	391.9	391.0
12-Oct-15	15:11:30	277.7	7.59	0.999	2995.9	17.79	49.95	80.69	99.95	160.4	550.6	41.10	566.0	391.9	391.0
12-Oct-15	15:11:35	277.9	7.20	0.999	2995.4	17.79	49.92	80.78	99.95	160.4	550.6	41.10	565.9	391.9	391.0
12-Oct-15	15:11:40	277.1	7.04	0.999	2995.7	17.79	49.87	81.50	99.95	160.4	550.6	41.10	565.9	391.9	391.0
12-Oct-15	15:11:45	277.1	7.00	0.999	2997.1	17.79	49.91	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:15:40	276.8	7.18	1.000	2995.5	17.78	49.95	83.94	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:15:45	276.9	7.18	1.000	2996.9	17.77	49.95	83.94	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:15:50	276.9	7.18	1.000	2993.2	17.77	49.96	83.94	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:15:55	276.1	7.18	1.000	2996.5	17.77	49.96	84.45	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:16:00	276.4	7.18	1.000	2999.6	17.77	49.97	83.95	99.91	159.5	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:16:05	276.6	7.18	1.000	2999.6	17.77	49.97	83.55	99.91	159.5	549.8	41.04	566.1	391.9	390.9
12-Oct-15	15:16:10	276.6	7.18	1.000	2997.0	17.77	49.97	83.48	99.91	159.4	549.8	41.02	566.1	391.9	390.9
12-Oct-15	15:16:15	276.3	7.18	1.000	2999.6	17.77	49.97	83.40	99.91	159.3	549.8	41.01	566.1	391.9	390.9
12-Oct-15	15:16:20	276.6	7.18	1.000	2999.4	17.77	49.97	83.33	99.91	159.3	549.7	41.01	566.1	391.9	390.9
12-Oct-15	15:16:25	276.5	7.18	1.000	2995.0	17.77	49.97	83.57	99.91	159.3	549.7	41.00	566.1	391.9	390.9
12-Oct-15	15:16:30	276.2	7.42	1.000	2997.4	17.77	49.93	83.97	99.91	159.3	549.7	41.00	566.2	391.9	390.9
12-Oct-15	15:16:35	276.1	7.71	1.000	2999.6	17.77	49.96	83.65	99.91	159.3	549.7	40.99	566.2	391.9	390.9
12-Oct-15	15:16:40	276.6	7.53	1.000	2999.4	17.77	49.96	83.09	99.92	159.3	549.7	40.99	566.2	391.9	390.9
12-Oct-15	15:16:45	276.5	6.81	1.000	2999.2	17.78	49.94	83.10	99.92	159.3	549.8	40.98	566.2	391.9	390.9
12-Oct-15	15:16:50	276.3	6.09	1.000	2998.4	17.78	49.92	83.27	99.92	159.2	549.8	40.98	566.3	391.9	390.9
12-Oct-15	15:16:55	276.2	5.87	1.000	2998.1	17.78	49.94	83.24	99.92	159.2	549.8	40.98	566.3	391.9	390.9
12-Oct-15	15:17:00	276.1	6.22	1.000	2996.3	17.78	49.97	82.97	99.93	159.2	549.8	40.97	566.3	391.9	390.9
12-Oct-15	15:17:05	276.8	6.56	1.000	2998.2	17.78	49.98	82.70	99.93	159.2	549.8	40.97	566.4	391.9	390.9
12-Oct-15	15:17:10	276.0	6.91	0.999	2996.4	17.78	49.98	82.84	99.93	159.2	549.8	40.96	566.4	391.9	390.9
12-Oct-15	15:17:15	275.7	7.26	0.999	3002.4	17.78	49.99	83.03	99.93	159.2	549.9	40.96	566.4	391.9	390.9
12-Oct-15	15:17:20	276.8	7.60	0.999	2999.6	17.78	49.99	82.56	99.94	159.2	549.9	40.96	566.4	391.9	390.9
12-Oct-15	15:17:25	276.5	7.14	0.999	2999.5	17.79	50.00	82.52	99.94	159.2	549.9	40.96	566.4	391.9	390.9
12-Oct-15	15:17:30	276.3	6.55	0.999	2999.4	17.79	50.00	82.77	99.94	159.2	549.9	40.96	566.4	391.9	391.0
12-Oct-15	15:17:35	276.1	5.95	0.999	2999.7	17.79	50.01	82.85	99.94	159.2	549.9	40.96	566.4	391.9	391.0
12-Oct-15	15:17:40	276.2	5.75	0.999	3002.9	17.79	50.01	83.00	99.94	159.2	549.9	40.96	566.4	391.9	391.0
12-Oct-15	15:17:45	276.1	5.75	0.999	3002.6	17.79	50.02	83.00	99.94	159.2	550.0	40.96	566.5	391.9	391.0
12-Oct-15	15:17:50	276.0	5.75	0.999	3000.5	17.79	50.02	82.57	99.94	159.2	550.1	40.95	566.5	391.9	391.0
12-Oct-15	15:17:55	277.0	5.75	0.999	2998.1	17.79	49.99	81.96	99.94	159.2	550.1	40.95	566.6	391.9	391.0
12-Oct-15	15:18:00	276.7	5.75	0.999	2997.6	17.79	49.97	82.16	99.94	159.2	550.2	40.94	566.6	391.9	391.0
12-Oct-15	15:18:05	276.3	5.75	0.999	2996.0	17.79	49.97	82.36	99.94	159.2	550.3	40.94	566.7	391.9	391.0
12-Oct-15	15:18:10	276.5	5.93	0.999	2999.5	17.79	49.97	82.14	99.94	159.2	550.3	40.94	566.8	391.9	391.0
12-Oct-15	15:18:15	276.6	6.13	1.000	3000.0	17.79	49.97	81.86	99.94	159.2	550.4	40.93	566.8	391.9	391.0
12-Oct-15	15:18:20	276.7	6.34	1.000	2997.1	17.78	49.97	81.73	99.94	159.2	550.5	40.93	566.9	391.9	391.0
12-Oct-15	15:18:25	276.5	6.54	1.000	2997.9	17.78	49.96	81.62	99.93	159.2	550.5	40.93	566.9	391.9	391.0
12-Oct-15	15:18:30	276.5	6.75	1.000	3000.8	17.78	49.96	81.51	99.94	159.2	550.6	40.92	567.0	391.9	391.0
12-Oct-15	15:18:35	277.0	6.95	1.000	3002.7	17.77	49.96	81.40	99.94	159.2	550.6	40.92	567.0	391.9	391.0
12-Oct-15	15:18:40	276.5	6.96	0.999	3002.9	17.77	49.96	81.29	99.94	159.2	550.6	40.92	567.1	391.9	391.0
12-Oct-15	15:18:45	277.0	6.88	0.999	2999.5	17.77	49.96	81.18	99.94	159.2	550.6	40.92	567.1	391.9	391.1
12-Oct-15	15:18:50	276.6	6.80	1.000	2998.6	17.77	49.95	81.64	99.94	159.2	550.6	40.91	567.2	391.9	391.1
12-Oct-15	15:18:55	276.6	6.72	1.000	2999.2	17.76	49.95	81.40	99.94	159.2	550.6	40.91	567.2	391.9	391.1
12-Oct-15	15:19:00	276.3	6.63	1.000	2999.2	17.76	49.95	81.19	99.95	159.1	550.6	40.91	567.3	391.9	391.1
12-Oct-15	15:19:05	276.4	6.55	0.999	2997.2	17.76	49.96	81.41	99.95	159.1	550.6	40.90	567.3	391.9	391.1
12-Oct-15	15:19:10	276.1	6.47	0.999	2999.0	17.76	49.97	81.51	99.95	159.1	550.6	40.90	567.4	391.9	391.1
12-Oct-15	15:19:15	276.3	6.38	0.999	3000.4	17.76	49.98	81.25	99.95	159.1	550.6	40.90	567.4	391.9	391.1
12-Oct-15	15:19:20	276.5	6.30	0.999	2998.1	17.76	49.99	81.29	99.95	159.1	550.7	40.90	567.4	391.9	391.1
12-Oct-15	15:19:25	276.3	6.22	0.999	3002.2	17.76	50.00	81.53	99.96	159.1	551.2	40.90	567.4	391.9	391.1
12-Oct-15	15:19:30	276.8	6.13	0.999	2997.7	17.76	49.98	80.63	99.96	159.2	551.3	40.90	567.5	391.9	391.1
12-Oct-15	15:19:35	277.0	6.05	0.999	2997.2	17.76	49.97	80.24	99.95	159.2	551.4	40.90	567.5	392.0	391.1
12-Oct-15	15:19:40	277.2	6.95	0.999	2997.6	17.76	49.95	80.55	99.95	159.2	551.4	40.90	567.5	392.0	391.1
12-Oct-15	15:19:45	276.7	8.00	1.000	2995.6	17.76	49.95	80.86	99.95	159.2	551.4	40.90	567.5	392.0	391.1
12-Oct-15	15:19:50	276.1	6.14	1.000	2997.1	17.78	49.97	81.04	99.95	159.2	551.4	40.90	567.6	392.0	391.2
12-Oct-15	15:19:55	276.5	7.01	1.000	3001.1	17.79	50.00	80.55	99.95	159.2	551.5	40.90	567.6	392.0	391.2
12-Oct-15	15:20:00	277.0	7.89	1.000	2999.3	17.79	49.98	79.90	99.95	159.2	551.5	40.90	567.6	392.0	391.2
12-Oct-15	15:20:05	277.1	6.25	1.000	2995.1	17.79	49.95	79.50	99.94	159.2	551.5	40.90	567.7	392.0	391.2
12-Oct-15	15:20:10	276.6	6.36	0.999	2992.8	17.79	49.94	80.08	99.94	159.3	551.5	40.90	567.7	392.0	391.2
12-Oct-15	15:20:15	276.8	6.81	0.999	2998.6	17.79	49.94	79.80	99.94	159.3	551.6	40.91	567.7	392.0	391.2
12-Oct-15	15:20:20	276.8	7.27	0.999	2998.9	17.79	49.94	79.47	99.94	159.3	551.6	40.91	567.7	392.0	391.2
12-Oct-15	15:20:25	277.2	7.12	1.000	2999.1	17.79	49.93	79.77	99.94	159.4	551.6	40.92	567.7	392.0	391.2
12-Oct-15	15:20:30	276.5	5.93	1.000	2997.4	17.79	49.92	80.02	99.94	159.4	551.6	40.93	567.7	392.0	391.2
12-Oct-15	15:20:35	277.1	7.00	1.000	2995.8	17.79	49.92	79.50	99.94	159.4	551.6	40.93	567.7	392.0	391.2
12-Oct-15	15:20:40	277.3	7.43	0.999	2997.5	17.79	49.92	79.40	99.94	159.5	551.6	40.94	567.7	392.0	391.2
12-Oct-15	15:20:45	276.7	6.00	0.999	2998.3	17.78	49.91	80.00	99.94	159.5	551.6	40.95	567.7	392.0	391.2
12-Oct-15	15:20:50	277.1	6.73	0.999	2996.1	17.78	49.91	79.55	99.94	159.5	551.6	40.95	567.7	392.0	391.2
12-Oct-15	15:20:55	277.4	7.71	0.999	2994.0	17.78	49.90	78.81	99.94	159.5	551.6	40.95	567.7	392.0	391.2
12-Oct-15	15:21:00	277.3	7.34	0.999	2993.2	17.78	49.90	78.88	99.94	159.5	551.7	40.95	567.7	392.1	391.2
12-Oct-15	15:21:05	277.1	6.96	0.999	2995.4	17.78	49.91	79.18	99.94	159.5	551.7	40.95	567.8	392.1	391.3
12-Oct-15	15:21:10	276.9	6.59	0.999	2994.5	17.78	49.92	79.17	99.94	159.5	551.8	40.95	568.0	392.1	391.3
12-Oct-15	15:21:15	276.9	6.21	0.999	2997.1	17.78	49.93	79.08	99.94	159.5	551.9	40.95	568.0	392.1	391.3
12-Oct-15	15:21:20	277.1	5.84	0.999	2998.8	17.78	49.95	78.98	99.94	159.5	552.0	40.95	568.0	392.1	391.3
12-Oct-15	15:21:25	277.2	5.79	0.999	2996.5	17.78	49.95	78.89	99.94	159.5	552.0	40.95	568.0	392.1	391.3
12-Oct-15	15:21:30	277.0	6.46	0.999	2995.9	17.78	49.93	78.79	99.94	159.5	552.1	40.95	568.0	392.1	391.3
12-Oct-15	15:21:35	277.4	7.24	0.999	2998.2	17.78	49.91	78.72	99.94	1					



Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor -	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:25:30	277.2	6.37	1.000	2996.5	17.77	49.92	78.37	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:35	278.1	6.17	1.000	2993.6	17.77	49.93	78.33	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:40	277.3	5.97	1.000	2994.3	17.77	49.93	79.11	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:45	277.5	7.06	1.000	2998.0	17.77	49.94	79.02	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:50	277.9	7.49	1.000	2995.7	17.77	49.96	78.63	99.97	160.5	552.4	41.15	567.2	392.3	391.6
12-Oct-15	15:25:55	277.4	6.42	1.000	2999.6	17.77	49.97	79.30	99.97	160.5	552.4	41.15	567.2	392.3	391.6
12-Oct-15	15:26:00	277.0	6.52	1.000	3003.4	17.77	49.99	79.59	99.97	160.5	552.4	41.15	567.0	392.3	391.6
12-Oct-15	15:26:05	277.2	7.20	1.000	3000.1	17.77	49.98	79.59	99.97	160.5	552.4	41.15	567.0	392.3	391.6
12-Oct-15	15:26:10	277.4	7.89	1.000	2999.2	17.77	49.96	79.04	99.96	160.5	552.3	41.15	566.8	392.3	391.6
12-Oct-15	15:26:15	277.9	6.00	1.000	2994.0	17.77	49.94	78.63	99.94	160.5	552.3	41.14	566.6	392.3	391.6
12-Oct-15	15:26:20	277.1	6.00	1.000	2995.5	17.77	49.94	79.58	99.91	160.5	552.2	41.14	566.6	392.3	391.6
12-Oct-15	15:26:25	276.7	6.00	1.000	2995.6	17.77	49.94	80.27	99.89	160.4	552.2	41.13	566.5	392.3	391.6
12-Oct-15	15:26:30	277.1	6.35	1.000	2998.8	17.77	49.95	80.43	99.88	160.4	552.2	41.14	566.5	392.3	391.6
12-Oct-15	15:26:35	277.0	6.74	1.000	2997.2	17.77	49.96	80.60	99.88	160.4	552.1	41.14	566.4	392.3	391.6
12-Oct-15	15:26:40	277.2	7.14	1.000	2997.4	17.77	49.97	80.76	99.89	160.4	552.1	41.15	566.4	392.3	391.6
12-Oct-15	15:26:45	277.0	7.54	1.000	2999.9	17.77	49.98	80.92	99.89	160.4	552.1	41.15	566.4	392.3	391.6
12-Oct-15	15:26:50	277.2	7.91	1.000	2997.0	17.77	49.98	81.07	99.90	160.4	552.1	41.16	566.3	392.3	391.6
12-Oct-15	15:26:55	277.0	7.89	1.000	3001.6	17.77	49.97	81.22	99.90	160.4	552.0	41.16	566.3	392.3	391.6
12-Oct-15	15:27:00	276.9	7.86	1.000	3002.9	17.77	49.96	81.37	99.91	160.4	552.0	41.16	566.2	392.3	391.6
12-Oct-15	15:27:05	277.4	7.84	1.000	2999.4	17.78	49.95	81.51	99.91	160.4	552.0	41.17	566.2	392.3	391.6
12-Oct-15	15:27:10	277.1	7.81	1.000	2997.2	17.78	49.94	81.66	99.92	160.4	552.0	41.17	566.1	392.3	391.6
12-Oct-15	15:27:15	276.5	7.79	1.000	2998.7	17.78	49.96	81.78	99.92	160.4	551.9	41.18	566.1	392.3	391.6
12-Oct-15	15:27:20	276.7	7.77	1.000	3002.5	17.78	49.98	81.31	99.93	160.4	551.9	41.18	566.1	392.3	391.6
12-Oct-15	15:27:25	277.3	7.74	1.000	2999.3	17.78	49.99	81.21	99.93	160.4	551.9	41.19	566.1	392.3	391.6
12-Oct-15	15:27:30	276.7	7.72	1.000	2999.4	17.78	49.98	81.80	99.94	160.4	551.9	41.19	566.1	392.3	391.6
12-Oct-15	15:27:35	276.9	7.69	1.000	2996.7	17.78	49.97	81.80	99.94	160.4	551.9	41.19	566.1	392.3	391.6
12-Oct-15	15:27:40	276.9	7.67	1.000	2995.9	17.78	49.97	81.80	99.94	160.4	551.8	41.18	566.1	392.3	391.6
12-Oct-15	15:27:45	277.0	7.65	1.000	2995.6	17.78	49.96	81.80	99.94	160.3	551.8	41.18	566.1	392.3	391.6
12-Oct-15	15:27:50	277.1	7.62	1.000	2999.8	17.78	49.95	81.92	99.94	160.3	551.8	41.17	566.0	392.3	391.6
12-Oct-15	15:27:55	277.4	7.62	1.000	2996.7	17.78	49.95	82.17	99.94	160.3	551.7	41.17	566.0	392.3	391.6
12-Oct-15	15:28:00	277.1	7.62	1.000	2998.6	17.78	49.94	82.42	99.94	160.3	551.7	41.16	566.0	392.3	391.6
12-Oct-15	15:28:05	276.6	7.62	1.000	2997.8	17.78	49.94	82.68	99.94	160.2	551.6	41.16	566.0	392.3	391.6
12-Oct-15	15:28:10	276.0	7.68	1.000	3001.4	17.78	49.98	82.72	99.94	160.2	551.6	41.15	566.0	392.3	391.6
12-Oct-15	15:28:15	276.9	7.74	1.000	2999.3	17.78	49.97	82.06	99.93	160.2	551.6	41.15	566.0	392.3	391.6
12-Oct-15	15:28:20	276.9	7.80	1.000	2999.4	17.78	49.94	82.50	99.93	160.1	551.5	41.14	565.9	392.3	391.6
12-Oct-15	15:28:25	276.6	7.86	1.000	2996.8	17.78	49.96	82.63	99.93	160.1	551.5	41.14	565.9	392.3	391.6
12-Oct-15	15:28:30	276.3	7.92	1.000	3002.3	17.77	49.98	82.18	99.93	160.1	551.4	41.14	565.9	392.3	391.6
12-Oct-15	15:28:35	277.2	7.99	1.000	2996.2	17.77	49.97	82.14	99.93	160.1	551.4	41.14	565.8	392.3	391.6
12-Oct-15	15:28:40	276.8	8.05	1.000	2998.6	17.77	49.95	82.74	99.93	160.1	551.4	41.14	565.8	392.3	391.6
12-Oct-15	15:28:45	276.4	8.11	1.000	2998.2	17.77	49.98	83.16	99.93	160.1	551.4	41.14	565.7	392.3	391.6
12-Oct-15	15:28:50	276.5	8.14	1.000	2996.7	17.77	49.98	82.36	99.94	160.1	551.4	41.14	565.7	392.3	391.6
12-Oct-15	15:28:55	276.9	7.64	1.000	2996.5	17.77	49.97	82.66	99.93	160.1	551.4	41.14	565.7	392.3	391.6
12-Oct-15	15:29:00	276.7	7.13	1.000	2996.1	17.77	49.97	83.00	99.93	160.1	551.4	41.14	565.6	392.3	391.6
12-Oct-15	15:29:05	276.4	6.63	1.000	2997.9	17.77	49.96	83.31	99.93	160.1	551.4	41.14	565.6	392.3	391.6
12-Oct-15	15:29:10	276.4	6.91	1.000	3001.4	17.77	49.95	82.96	99.93	160.1	551.4	41.14	565.5	392.3	391.6
12-Oct-15	15:29:15	277.9	6.95	1.000	2996.5	17.77	49.94	81.98	99.93	160.1	551.4	41.14	565.5	392.3	391.6
12-Oct-15	15:29:20	277.0	3.97	1.000	2993.2	17.77	49.94	82.39	99.93	160.1	551.4	41.14	565.5	392.3	391.6
12-Oct-15	15:29:25	277.0	3.97	1.000	2992.9	17.77	49.95	82.39	99.93	160.0	551.2	41.13	565.5	392.3	391.6
12-Oct-15	15:29:30	276.7	3.97	1.000	2994.8	17.77	49.96	83.05	99.95	160.0	551.1	41.13	565.6	392.3	391.5
12-Oct-15	15:29:35	276.6	3.97	1.000	2996.1	17.77	49.97	83.35	99.95	160.0	551.1	41.13	565.6	392.3	391.5
12-Oct-15	15:29:40	276.9	3.97	1.000	2998.8	17.77	49.98	83.03	99.94	160.0	551.1	41.13	565.6	392.3	391.5
12-Oct-15	15:29:45	276.4	3.97	1.000	3000.9	17.77	49.99	83.28	99.94	160.0	551.1	41.12	565.6	392.2	391.5
12-Oct-15	15:29:50	277.0	4.28	1.000	3000.9	17.74	49.98	82.95	99.93	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:29:55	277.3	4.65	1.000	2997.3	17.71	49.98	82.76	99.92	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:30:00	277.1	5.02	1.000	2995.6	17.72	49.97	82.92	99.92	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:30:05	277.0	5.38	1.000	2995.6	17.73	49.96	83.08	99.91	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:30:10	276.3	5.75	1.000	2999.7	17.73	49.96	83.00	99.91	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:15	277.2	6.07	1.000	3000.6	17.74	49.95	82.87	99.90	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:20	277.6	6.46	1.000	2998.7	17.75	49.94	82.65	99.90	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:25	277.4	6.82	1.000	2993.9	17.75	49.92	82.76	99.89	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:30	276.7	7.17	1.000	2996.6	17.76	49.90	83.43	99.89	159.9	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:35	276.3	7.53	1.000	3006.0	17.77	49.96	83.95	99.89	159.9	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:40	276.5	8.50	1.000	3007.2	17.77	50.05	84.21	99.89	159.9	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:45	276.8	8.19	1.000	3008.7	17.78	50.08	83.46	99.89	159.8	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:50	276.4	7.92	1.000	3008.9	17.78	50.12	83.46	99.89	159.8	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:55	277.2	7.92	1.000	3007.2	17.79	50.15	83.46	99.89	159.7	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:31:00	277.0	7.92	1.000	3004.7	17.79	50.13	83.46	99.89	159.7	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:31:05	276.6	7.92	1.000	3007.8	17.79	50.12	83.46	99.89	159.7	550.9	41.11	565.8	392.2	391.5
12-Oct-15	15:31:10	277.2	7.92	1.000	3007.5	17.79	50.11	83.32	99.90	159.7	550.9	41.11	565.8	392.2	391.5
12-Oct-15	15:31:15	277.5	7.92	1.000	3006.6	17.79	50.10	83.23	99.90	159.7	550.9	41.10	565.8	392.2	391.5
12-Oct-15	15:31:20	277.1	7.92	1.000	3005.8	17.79	50.05	83.67	99.94	159.7	550.9	41.10	565.8	392.2	391.5
12-Oct-15	15:31:25	276.2	7.92	1.000	3006.7	17.79	50.10								

## Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:35:20	276.7	8.91	1.000	2997.5	17.77	49.97	79.70	99.94	159.0	551.9	40.87	566.7	392.4	391.7
12-Oct-15	15:35:25	276.9	8.89	1.000	2994.7	17.77	49.96	79.22	99.94	159.0	552.0	40.85	566.7	392.4	391.7
12-Oct-15	15:35:30	276.2	8.78	1.000	2997.0	17.77	49.97	80.30	99.94	159.0	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:35	276.3	8.42	1.000	2998.7	17.77	49.99	80.52	99.94	159.1	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:40	276.3	8.07	1.000	3001.3	17.76	50.01	80.22	99.94	159.1	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:45	276.4	7.71	1.000	3000.8	17.76	50.03	80.15	99.94	159.1	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:50	276.4	7.35	1.000	3005.8	17.76	50.05	80.34	99.94	159.2	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:55	276.2	6.99	1.000	3008.0	17.76	50.09	80.53	99.94	159.2	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:36:00	276.5	6.87	1.000	3010.2	17.76	50.10	80.12	99.94	159.2	552.1	40.88	566.7	392.4	391.7
12-Oct-15	15:36:05	276.7	6.87	1.000	3007.6	17.76	50.09	80.06	99.94	159.2	552.2	40.90	566.8	392.4	391.7
12-Oct-15	15:36:10	277.3	6.87	1.000	3004.8	17.76	50.08	79.71	99.94	159.3	552.3	40.90	566.9	392.4	391.7
12-Oct-15	15:36:15	277.0	6.87	1.000	3002.4	17.76	50.07	79.69	99.94	159.3	552.5	40.90	567.1	392.4	391.7
12-Oct-15	15:36:20	276.8	6.87	1.000	3006.2	17.76	50.06	79.85	99.94	159.3	552.6	40.90	567.1	392.4	391.7
12-Oct-15	15:36:25	276.8	6.87	1.000	3006.8	17.76	50.06	79.35	99.94	159.3	552.7	40.91	567.2	392.4	391.7
12-Oct-15	15:36:30	276.6	7.03	1.000	3006.6	17.76	50.09	79.25	99.93	159.4	552.9	40.91	567.2	392.4	391.7
12-Oct-15	15:36:35	277.0	7.21	1.000	3010.2	17.76	50.11	79.14	99.93	159.4	552.9	40.91	567.2	392.4	391.7
12-Oct-15	15:36:40	277.4	7.39	1.000	3005.5	17.76	50.12	79.04	99.93	159.4	553.0	40.91	567.2	392.4	391.7
12-Oct-15	15:36:45	277.0	7.57	1.000	3007.2	17.76	50.13	78.94	99.93	159.4	553.1	40.92	567.3	392.4	391.7
12-Oct-15	15:36:50	276.8	7.75	1.000	3007.0	17.76	50.13	78.83	99.93	159.5	553.1	40.92	567.3	392.4	391.7
12-Oct-15	15:36:55	276.7	7.93	1.000	3005.5	17.76	50.14	78.73	99.93	159.5	553.2	40.92	567.3	392.4	391.7
12-Oct-15	15:37:00	276.6	8.01	1.000	3009.6	17.76	50.15	78.62	99.93	159.6	553.2	40.92	567.4	392.4	391.7
12-Oct-15	15:37:05	277.1	8.04	1.000	3011.3	17.76	50.15	78.52	99.93	159.6	553.3	40.93	567.4	392.4	391.7
12-Oct-15	15:37:10	277.3	8.07	1.000	3010.0	17.76	50.16	78.42	99.93	159.6	553.3	40.94	567.4	392.4	391.7
12-Oct-15	15:37:15	277.5	8.10	1.000	3008.7	17.76	50.14	78.31	99.93	159.7	553.4	40.95	567.5	392.4	391.7
12-Oct-15	15:37:20	277.4	8.13	1.000	3007.4	17.76	50.13	78.46	99.93	159.7	553.5	40.96	567.5	392.4	391.7
12-Oct-15	15:37:25	277.3	8.16	1.000	3007.5	17.76	50.11	78.63	99.93	159.8	553.5	40.95	567.5	392.4	391.7
12-Oct-15	15:37:30	277.2	8.19	1.000	3008.2	17.76	50.12	78.81	99.93	159.8	553.6	40.97	567.5	392.4	391.7
12-Oct-15	15:37:35	277.2	8.22	1.000	3009.6	17.76	50.12	78.98	99.93	159.8	553.6	40.98	567.5	392.4	391.7
12-Oct-15	15:37:40	277.3	8.25	1.000	3011.0	17.76	50.13	79.16	99.93	159.8	553.6	40.98	567.5	392.4	391.7
12-Oct-15	15:37:45	276.8	8.28	1.000	3011.4	17.76	50.14	79.33	99.93	159.9	553.6	41.01	567.5	392.4	391.7
12-Oct-15	15:37:50	277.9	8.31	1.000	3007.5	17.76	50.14	78.32	99.93	159.9	553.6	41.03	567.5	392.4	391.7
12-Oct-15	15:37:55	277.7	8.34	1.000	3009.5	17.76	50.15	78.40	99.93	160.0	553.7	41.04	567.5	392.4	391.7
12-Oct-15	15:38:00	277.2	8.35	1.000	3011.2	17.76	50.15	78.48	99.93	160.0	553.7	41.06	567.5	392.4	391.7
12-Oct-15	15:38:05	277.4	8.35	1.000	3008.6	17.76	50.16	77.96	99.93	160.1	553.7	41.07	567.5	392.4	391.7
12-Oct-15	15:38:10	278.1	8.12	1.000	3008.1	17.76	50.12	77.23	99.93	160.2	553.7	41.08	567.6	392.4	391.7
12-Oct-15	15:38:15	277.8	7.85	1.000	3009.8	17.76	50.12	77.50	99.93	160.2	553.7	41.09	567.6	392.4	391.7
12-Oct-15	15:38:20	277.7	7.59	1.000	3011.6	17.76	50.13	77.77	99.93	160.3	553.8	41.10	567.6	392.4	391.7
12-Oct-15	15:38:25	277.5	7.32	1.000	3014.0	17.76	50.15	78.03	99.93	160.3	553.8	41.11	567.6	392.4	391.7
12-Oct-15	15:38:30	277.5	7.05	1.000	3011.5	17.76	50.15	78.30	99.94	160.3	553.8	41.13	567.6	392.4	391.7
12-Oct-15	15:38:35	278.4	6.79	1.000	3007.8	17.76	50.13	77.17	99.94	160.4	553.8	41.14	567.6	392.4	391.7
12-Oct-15	15:38:40	277.8	6.52	1.000	3003.9	17.76	50.09	77.06	99.94	160.4	553.8	41.15	567.6	392.4	391.7
12-Oct-15	15:38:45	277.9	6.88	1.000	3007.4	17.76	50.08	77.56	99.94	160.4	553.8	41.16	567.6	392.4	391.7
12-Oct-15	15:38:50	277.1	7.94	1.000	3010.2	17.76	50.12	78.03	99.94	160.5	553.8	41.17	567.6	392.4	391.8
12-Oct-15	15:38:55	278.7	10.04	1.000	3007.6	17.76	50.14	76.94	99.94	160.5	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:00	278.2	8.56	1.000	3011.8	17.76	50.12	77.45	99.94	160.5	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:05	277.8	8.29	1.000	3015.1	17.76	50.16	77.48	99.94	160.6	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:10	278.6	8.29	1.000	3011.3	17.76	50.15	76.80	99.94	160.6	553.8	41.18	567.6	392.4	391.7
12-Oct-15	15:39:15	278.3	8.29	1.000	3008.1	17.76	50.13	76.84	99.94	160.6	553.8	41.18	567.6	392.5	391.8
12-Oct-15	15:39:20	278.2	8.29	1.000	3004.0	17.76	50.11	77.04	99.94	160.6	553.8	41.18	567.6	392.5	391.8
12-Oct-15	15:39:25	278.0	8.29	1.000	3004.6	17.76	50.11	77.22	99.94	160.6	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:30	278.3	8.29	1.000	3005.7	17.76	50.11	76.98	99.91	160.6	553.9	41.18	567.6	392.5	391.8
12-Oct-15	15:39:35	278.2	8.29	1.000	3006.5	17.76	50.11	77.09	99.89	160.6	553.9	41.19	567.6	392.5	391.8
12-Oct-15	15:39:40	278.1	8.29	1.000	3003.5	17.76	50.11	77.20	99.89	160.6	553.8	41.19	567.5	392.5	391.8
12-Oct-15	15:39:45	278.1	8.29	1.000	3009.2	17.76	50.11	77.03	99.90	160.6	553.8	41.19	567.5	392.5	391.8
12-Oct-15	15:39:50	278.1	8.18	1.000	3004.3	17.77	50.10	76.94	99.90	160.6	553.7	41.20	567.5	392.5	391.8
12-Oct-15	15:39:55	278.0	8.05	1.000	3009.9	17.78	50.09	77.29	99.91	160.6	553.7	41.20	567.4	392.5	391.8
12-Oct-15	15:40:00	277.9	7.93	1.000	3004.5	17.78	50.08	77.03	99.91	160.6	553.6	41.20	567.4	392.5	391.8
12-Oct-15	15:40:05	278.3	8.08	1.000	3004.1	17.78	50.07	77.17	99.92	160.6	553.6	41.20	567.4	392.5	391.8
12-Oct-15	15:40:10	277.9	8.11	1.000	3007.1	17.78	50.06	77.49	99.92	160.6	553.5	41.19	567.4	392.5	391.9
12-Oct-15	15:40:15	277.7	8.22	1.000	3011.3	17.78	50.11	77.43	99.93	160.6	553.5	41.19	567.3	392.5	391.9
12-Oct-15	15:40:20	277.8	8.33	1.000	3011.4	17.77	50.15	77.32	99.94	160.6	553.4	41.19	567.3	392.5	391.9
12-Oct-15	15:40:25	278.0	8.44	1.000	3011.3	17.77	50.15	77.20	99.94	160.6	553.4	41.18	567.3	392.5	391.9
12-Oct-15	15:40:30	277.8	8.55	1.000	3008.9	17.77	50.14	77.08	99.95	160.6	553.3	41.18	567.3	392.5	391.9
12-Oct-15	15:40:35	278.3	8.66	1.000	3007.1	17.77	50.12	77.12	99.95	160.6	553.3	41.18	567.3	392.5	391.9
12-Oct-15	15:40:40	278.0	8.77	1.000	3007.5	17.77	50.10	77.32	99.95	160.6	553.3	41.18	567.3	392.5	391.9
12-Oct-15	15:40:45	278.8	8.88	1.000	3002.9	17.77	50.06	77.52	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:40:50	277.4	8.99	1.000	3001.2	17.77	50.07	77.53	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:40:55	277.6	9.10	1.000	3005.7	17.77	50.08	77.33	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:41:00	277.8	9.21	1.000	3004.2	17.77	50.08	77.14	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:41:05	277.5	7.82	1.000	3002.2	17.77	50.09	77.52	99.95	160.6	553.2	41.17	567.1	392.5	391.9
12-Oct-15	15:41:10	276.9	7.28	1.000	3005.7	17.77	50.10	78.37	99.95	160.6	553.1	41.17	567.0	392.5	392.0
12-Oct-15	15:41:15	277.2	7.28	1.000	3006.7	17.77	50.11	78.66	99.96	160.6	553.0	41.17	5		

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:45:10	277.0	8.26	1.000	3007.1	17.79	50.15	83.24	99.92	160.1	551.4	41.13	565.6	392.5	392.0
12-Oct-15	15:45:15	276.2	8.23	1.000	3010.6	17.79	50.16	83.37	99.92	160.0	551.4	41.13	565.6	392.5	392.0
12-Oct-15	15:45:20	276.6	8.19	1.000	3010.1	17.79	50.17	82.87	99.92	160.0	551.4	41.12	565.6	392.5	392.0
12-Oct-15	15:45:25	276.9	8.16	1.000	3009.4	17.79	50.16	82.53	99.91	160.0	551.3	41.12	565.6	392.5	392.0
12-Oct-15	15:45:30	276.8	8.13	1.000	3010.4	17.79	50.14	82.59	99.91	159.9	551.3	41.11	565.6	392.5	392.0
12-Oct-15	15:45:35	276.7	8.10	1.000	3005.7	17.79	50.13	82.84	99.91	159.9	551.3	41.11	565.6	392.5	392.0
12-Oct-15	15:45:40	276.6	8.07	1.000	3004.9	17.79	50.11	83.09	99.91	159.9	551.3	41.10	565.6	392.5	392.0
12-Oct-15	15:45:45	276.6	8.03	1.000	3005.8	17.79	50.11	83.34	99.91	159.8	551.3	41.10	565.6	392.5	392.0
12-Oct-15	15:45:50	276.7	8.00	1.000	3009.0	17.80	50.10	83.15	99.91	159.8	551.3	41.09	565.6	392.5	392.1
12-Oct-15	15:45:55	276.4	7.97	1.000	3011.0	17.80	50.10	82.85	99.91	159.7	551.3	41.09	565.6	392.5	392.1
12-Oct-15	15:46:00	277.0	7.94	1.000	3008.1	17.80	50.09	82.55	99.91	159.6	551.3	41.09	565.6	392.5	392.1
12-Oct-15	15:46:05	276.8	7.91	1.000	3004.5	17.80	50.08	82.93	99.91	159.6	551.2	41.09	565.6	392.5	392.0
12-Oct-15	15:46:10	276.2	7.89	0.999	3009.7	17.80	50.08	83.16	99.91	159.6	551.2	41.08	565.6	392.5	392.1
12-Oct-15	15:46:15	277.0	7.89	0.999	3007.2	17.80	50.07	82.73	99.92	159.6	551.2	41.07	565.6	392.5	392.1
12-Oct-15	15:46:20	276.8	7.89	0.999	3001.6	17.80	50.07	82.77	99.93	159.5	551.1	41.07	565.6	392.5	392.1
12-Oct-15	15:46:25	276.5	7.89	0.999	3000.4	17.80	50.07	83.13	99.94	159.5	551.1	41.06	565.7	392.5	392.1
12-Oct-15	15:46:30	276.1	7.99	0.999	3006.7	17.80	50.08	83.49	99.95	159.5	551.1	41.05	565.7	392.5	392.1
12-Oct-15	15:46:35	276.2	8.11	0.999	3004.0	17.79	50.09	83.13	99.95	159.4	551.0	41.05	565.7	392.5	392.1
12-Oct-15	15:46:40	275.9	8.23	0.999	3008.2	17.79	50.11	83.47	99.95	159.4	551.0	41.04	565.7	392.5	392.1
12-Oct-15	15:46:45	275.9	8.35	0.999	3010.0	17.79	50.15	83.26	99.95	159.4	551.1	41.03	565.7	392.5	392.1
12-Oct-15	15:46:50	276.4	8.47	0.999	3007.6	17.79	50.15	83.04	99.94	159.4	551.1	41.02	565.7	392.5	392.1
12-Oct-15	15:46:55	276.6	8.58	0.999	3003.5	17.79	50.12	82.86	99.94	159.4	551.1	41.00	565.7	392.5	392.0
12-Oct-15	15:47:00	276.4	8.70	0.999	3004.2	17.79	50.10	82.96	99.94	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:05	276.6	8.82	0.999	3005.7	17.79	50.08	83.07	99.94	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:10	276.5	8.88	0.999	3001.8	17.79	50.07	83.17	99.93	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:15	275.9	8.88	0.999	3006.9	17.79	50.09	83.25	99.93	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:20	275.6	8.88	0.999	3007.6	17.79	50.11	83.04	99.93	159.3	551.1	40.99	565.8	392.5	392.1
12-Oct-15	15:47:25	275.9	8.88	0.999	3011.1	17.79	50.11	82.84	99.92	159.3	551.1	40.99	565.8	392.5	392.1
12-Oct-15	15:47:30	276.7	8.88	0.999	3007.0	17.79	50.09	82.66	99.92	159.3	551.1	40.99	565.8	392.5	392.1
12-Oct-15	15:47:35	276.4	8.88	0.999	3005.0	17.79	50.07	82.87	99.92	159.3	551.2	40.99	565.8	392.5	392.1
12-Oct-15	15:47:40	275.9	8.88	0.999	3007.2	17.79	50.08	83.07	99.92	159.2	551.2	40.99	565.8	392.5	392.1
12-Oct-15	15:47:45	276.1	8.88	0.999	3007.1	17.79	50.09	82.93	99.92	159.1	551.2	40.99	565.8	392.5	392.1
12-Oct-15	15:47:50	276.7	8.88	0.999	3002.8	17.79	50.09	82.22	99.92	159.0	551.3	40.98	565.8	392.5	392.1
12-Oct-15	15:47:55	275.7	8.88	0.999	3005.7	17.79	50.10	82.71	99.92	158.9	551.3	40.98	565.9	392.5	392.1
12-Oct-15	15:48:00	275.9	8.88	0.999	3005.3	17.80	50.11	82.48	99.91	158.9	551.4	40.97	565.9	392.5	392.1
12-Oct-15	15:48:05	276.0	8.88	0.999	3007.2	17.80	50.12	82.25	99.91	158.9	551.4	40.95	565.9	392.5	392.1
12-Oct-15	15:48:10	275.7	8.85	0.999	3006.1	17.79	50.10	82.46	99.91	158.9	551.5	40.93	566.0	392.5	392.1
12-Oct-15	15:48:15	275.9	8.85	0.999	3004.9	17.79	50.09	82.61	99.91	158.9	551.5	40.92	566.0	392.5	392.1
12-Oct-15	15:48:20	275.9	8.84	0.999	3003.8	17.79	50.07	82.29	99.91	158.9	551.6	40.92	566.0	392.5	392.1
12-Oct-15	15:48:25	275.8	8.84	0.999	3004.8	17.79	50.07	82.46	99.91	158.9	551.6	40.92	566.0	392.5	392.1
12-Oct-15	15:48:30	275.8	8.84	0.999	3006.7	17.79	50.07	82.64	99.91	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:35	275.7	8.83	0.999	3006.4	17.79	50.06	82.66	99.90	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:40	275.9	8.83	0.999	3005.1	17.79	50.06	82.39	99.90	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:45	276.1	8.83	0.999	3003.8	17.79	50.06	82.13	99.90	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:50	276.1	8.82	0.999	3004.3	17.79	50.06	81.94	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:48:55	275.6	8.82	0.999	3005.5	17.79	50.06	81.78	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:00	276.2	8.82	0.999	3006.7	17.79	50.06	81.62	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:05	275.7	8.81	0.999	3005.4	17.79	50.06	81.46	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:10	276.0	8.81	0.999	3005.1	17.79	50.05	81.31	99.90	158.9	551.7	40.91	566.0	392.5	392.2
12-Oct-15	15:49:15	276.4	8.81	0.999	3006.2	17.79	50.05	81.22	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:20	276.1	8.81	0.999	3001.8	17.79	50.05	81.60	99.90	158.9	551.8	40.91	566.4	392.5	392.2
12-Oct-15	15:49:25	276.3	8.81	0.999	2999.6	17.79	50.03	81.32	99.90	159.0	552.0	40.91	566.5	392.5	392.2
12-Oct-15	15:49:30	276.5	8.81	0.999	2996.5	17.79	50.00	81.28	99.92	159.0	552.1	40.91	566.5	392.5	392.2
12-Oct-15	15:49:35	276.2	8.81	0.999	2995.6	17.79	50.00	81.48	99.95	159.0	552.3	40.91	566.5	392.5	392.2
12-Oct-15	15:49:40	275.9	8.81	0.999	2997.7	17.79	50.00	81.69	99.96	159.0	552.4	40.91	566.6	392.5	392.2
12-Oct-15	15:49:45	275.8	8.81	0.999	3001.6	17.79	50.00	81.90	99.96	159.0	552.5	40.91	566.6	392.5	392.2
12-Oct-15	15:49:50	276.8	8.35	0.999	3007.8	17.79	50.07	82.11	99.96	159.0	552.5	40.90	566.6	392.5	392.2
12-Oct-15	15:49:55	276.2	8.32	0.999	3011.2	17.80	50.11	82.01	99.96	159.0	552.6	40.90	566.7	392.5	392.2
12-Oct-15	15:50:00	276.2	7.29	0.999	3011.3	17.80	50.15	81.00	99.96	159.0	552.6	40.90	566.7	392.5	392.2
12-Oct-15	15:50:05	276.6	7.15	0.999	3011.3	17.80	50.15	80.59	99.95	159.0	552.7	40.90	566.7	392.5	392.2
12-Oct-15	15:50:10	275.9	8.06	0.999	3014.1	17.80	50.13	80.68	99.95	159.1	552.7	40.90	566.8	392.5	392.2
12-Oct-15	15:50:15	276.9	8.84	1.000	3008.6	17.80	50.12	80.26	99.95	159.1	552.8	40.90	566.8	392.5	392.2
12-Oct-15	15:50:20	276.6	7.69	1.000	3006.2	17.80	50.11	80.76	99.95	159.2	552.8	40.90	566.8	392.5	392.2
12-Oct-15	15:50:25	275.9	7.23	1.000	3008.1	17.80	50.14	81.12	99.95	159.2	552.9	40.90	566.8	392.5	392.2
12-Oct-15	15:50:30	277.0	8.62	1.000	3009.5	17.80	50.15	80.11	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:35	276.4	8.60	1.000	3010.9	17.79	50.14	79.98	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:40	276.7	8.38	1.000	3010.7	17.79	50.13	79.85	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:45	277.1	8.15	1.000	3008.5	17.79	50.12	79.72	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:50	276.9	7.92	1.000	3006.2	17.79	50.11	79.76	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:55	276.6	7.69	1.000	3007.9	17.79	50.12	80.17	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:51:00	276.7	7.47	1.000	3009.3	17.79	50.14	79.91	99.95	159.2	553.1	40.90	566.9	392.5	392.2
12-Oct-15	15:51:05	276.9	7.24	1.000	3010.3	17.79	50.17	7							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:55:00	276.9	7.14	1.000	3008.4	17.76	50.13	78.65	99.92	160.7	553.7	41.19	567.6	392.5	392.4
12-Oct-15	15:55:05	277.7	7.17	1.000	3008.8	17.76	50.13	78.12	99.92	160.7	553.7	41.21	567.6	392.5	392.4
12-Oct-15	15:55:10	278.2	7.29	1.000	3005.7	17.76	50.10	77.54	99.93	160.8	553.6	41.22	567.6	392.5	392.4
12-Oct-15	15:55:15	278.1	7.41	1.000	3007.7	17.76	50.09	78.34	99.93	160.8	553.6	41.23	567.5	392.6	392.4
12-Oct-15	15:55:20	277.3	7.53	1.000	3011.3	17.76	50.08	78.76	99.93	160.8	553.5	41.25	567.5	392.6	392.4
12-Oct-15	15:55:25	277.9	7.65	0.999	3011.3	17.76	50.08	78.71	99.93	160.8	553.5	41.26	567.5	392.6	392.4
12-Oct-15	15:55:30	278.1	7.77	0.999	3011.3	17.76	50.08	78.65	99.93	160.8	553.4	41.27	567.5	392.6	392.4
12-Oct-15	15:55:35	278.2	7.89	0.999	3009.3	17.76	50.07	78.60	99.93	160.8	553.3	41.29	567.5	392.5	392.4
12-Oct-15	15:55:40	277.8	8.01	0.999	3009.4	17.76	50.07	78.55	99.93	160.8	553.3	41.30	567.5	392.5	392.4
12-Oct-15	15:55:45	278.3	8.13	1.000	3008.3	17.76	50.06	78.50	99.93	160.8	553.3	41.31	567.5	392.5	392.4
12-Oct-15	15:55:50	278.0	8.25	1.000	3010.5	17.76	50.06	78.45	99.93	160.8	553.3	41.31	567.5	392.5	392.4
12-Oct-15	15:55:55	278.2	8.37	1.000	3011.3	17.76	50.05	78.39	99.93	160.8	553.3	41.31	567.5	392.6	392.4
12-Oct-15	15:56:00	278.4	8.48	1.000	3011.3	17.76	50.05	78.34	99.93	160.8	553.3	41.31	567.5	392.6	392.4
12-Oct-15	15:56:05	278.6	8.60	1.000	3004.0	17.76	50.05	78.29	99.93	160.9	553.2	41.32	567.4	392.6	392.4
12-Oct-15	15:56:10	278.3	6.91	1.000	3004.4	17.76	50.04	78.81	99.94	160.9	553.1	41.34	567.3	392.6	392.4
12-Oct-15	15:56:15	277.9	7.66	1.000	3007.1	17.76	50.06	79.39	99.94	160.9	553.0	41.35	567.2	392.6	392.4
12-Oct-15	15:56:20	278.1	8.41	1.000	3004.3	17.76	50.09	79.19	99.95	160.9	552.9	41.36	567.1	392.6	392.4
12-Oct-15	15:56:25	278.6	8.51	1.000	3006.1	17.76	50.04	78.41	99.96	160.9	552.8	41.35	567.0	392.5	392.4
12-Oct-15	15:56:30	277.4	7.41	1.000	3010.6	17.76	50.09	79.50	99.97	161.0	552.7	41.35	566.9	392.5	392.4
12-Oct-15	15:56:35	278.5	8.52	1.000	3008.2	17.76	50.08	78.83	99.97	161.0	552.6	41.35	566.8	392.5	392.4
12-Oct-15	15:56:40	278.1	8.47	1.000	3010.1	17.76	50.07	79.46	99.97	160.9	552.6	41.35	566.8	392.5	392.4
12-Oct-15	15:56:45	277.8	8.42	1.000	3011.3	17.76	50.07	79.47	99.97	160.9	552.5	41.35	566.7	392.5	392.4
12-Oct-15	15:56:50	278.4	8.37	1.000	3007.1	17.76	50.06	79.07	99.96	160.9	552.4	41.35	566.6	392.5	392.4
12-Oct-15	15:56:55	278.3	8.31	1.000	3005.0	17.76	50.05	78.88	99.96	160.9	552.4	41.35	566.6	392.5	392.3
12-Oct-15	15:57:00	278.6	8.26	1.000	3004.2	17.77	50.04	79.03	99.95	160.9	552.3	41.34	566.5	392.5	392.3
12-Oct-15	15:57:05	278.0	8.21	1.000	3007.0	17.77	50.04	79.71	99.95	160.9	552.2	41.34	566.4	392.5	392.3
12-Oct-15	15:57:10	278.0	8.16	1.000	3005.1	17.77	50.05	79.51	99.94	160.9	552.1	41.34	566.4	392.5	392.3
12-Oct-15	15:57:15	278.3	8.11	1.000	3005.1	17.77	50.06	79.26	99.94	160.9	552.1	41.34	566.3	392.5	392.3
12-Oct-15	15:57:20	278.0	8.05	1.000	3007.2	17.77	50.07	79.69	99.94	160.9	552.0	41.34	566.2	392.5	392.3
12-Oct-15	15:57:25	278.3	8.00	1.000	3007.0	17.77	50.08	79.47	99.93	160.9	551.9	41.34	566.2	392.5	392.3
12-Oct-15	15:57:30	278.4	7.95	1.000	3006.5	17.77	50.09	79.26	99.93	160.9	551.9	41.34	566.2	392.5	392.3
12-Oct-15	15:57:35	278.0	7.90	1.000	3005.7	17.77	50.09	79.76	99.92	160.9	551.8	41.34	566.2	392.5	392.3
12-Oct-15	15:57:40	277.7	7.90	1.000	3005.4	17.77	50.09	79.55	99.92	160.9	551.8	41.34	566.2	392.5	392.3
12-Oct-15	15:57:45	278.1	7.90	1.000	3004.3	17.77	50.09	79.34	99.92	160.8	551.7	41.33	566.1	392.5	392.3
12-Oct-15	15:57:50	278.1	7.90	1.000	3005.5	17.77	50.09	79.42	99.92	160.8	551.6	41.32	566.1	392.6	392.3
12-Oct-15	15:57:55	277.9	7.90	1.000	3005.1	17.77	50.09	79.73	99.93	160.8	551.5	41.31	566.0	392.6	392.3
12-Oct-15	15:58:00	278.0	7.90	1.000	3004.3	17.77	50.09	79.48	99.93	160.7	551.4	41.30	566.0	392.6	392.3
12-Oct-15	15:58:05	278.0	7.90	1.000	3000.0	17.77	50.09	79.56	99.94	160.7	551.3	41.30	565.9	392.6	392.3
12-Oct-15	15:58:10	277.3	7.75	1.000	3006.2	17.77	50.11	80.08	99.94	160.7	551.2	41.29	565.8	392.6	392.3
12-Oct-15	15:58:15	277.4	7.57	1.000	3010.0	17.77	50.13	80.15	99.95	160.6	551.1	41.28	565.8	392.6	392.3
12-Oct-15	15:58:20	277.5	7.39	1.000	3008.5	17.77	50.13	79.77	99.95	160.6	551.0	41.28	565.7	392.6	392.3
12-Oct-15	15:58:25	278.1	7.21	1.000	3004.5	17.77	50.11	79.35	99.95	160.6	551.0	41.27	565.7	392.6	392.3
12-Oct-15	15:58:30	277.8	7.03	1.000	3004.9	17.77	50.05	79.92	99.96	160.6	550.9	41.27	565.7	392.6	392.3
12-Oct-15	15:58:35	276.9	6.94	1.000	3007.0	17.77	50.07	80.77	99.96	160.6	550.8	41.27	565.7	392.6	392.3
12-Oct-15	15:58:40	277.2	7.94	1.000	3010.5	17.77	50.10	80.22	99.97	160.6	550.7	41.26	565.7	392.6	392.3
12-Oct-15	15:58:45	278.1	8.94	1.000	3004.8	17.77	50.10	79.97	99.97	160.6	550.7	41.26	565.7	392.6	392.3
12-Oct-15	15:58:50	277.4	8.76	1.000	3004.3	17.77	50.11	80.68	99.97	160.6	550.7	41.25	565.7	392.6	392.3
12-Oct-15	15:58:55	277.0	8.42	1.000	3005.9	17.77	50.12	80.61	99.97	160.5	550.7	41.25	565.7	392.6	392.3
12-Oct-15	15:59:00	277.5	8.07	1.000	3010.7	17.77	50.12	80.40	99.97	160.5	550.7	41.24	565.7	392.5	392.3
12-Oct-15	15:59:05	277.6	7.72	1.000	3004.0	17.77	50.13	80.77	99.97	160.5	550.7	41.24	565.7	392.5	392.3
12-Oct-15	15:59:10	277.3	7.38	1.000	3009.1	17.77	50.14	80.59	99.97	160.5	550.7	41.24	565.7	392.6	392.3
12-Oct-15	15:59:15	277.7	7.03	1.000	3004.1	17.77	50.13	80.40	99.97	160.5	550.7	41.24	565.7	392.5	392.3
12-Oct-15	15:59:20	277.4	6.68	1.000	3006.2	17.77	50.10	80.86	99.97	160.5	550.7	41.24	565.4	392.5	392.3
12-Oct-15	15:59:25	277.5	6.33	1.000	3003.2	17.77	50.10	80.86	99.97	160.5	550.4	41.23	564.9	392.5	392.3
12-Oct-15	15:59:30	277.4	5.97	1.000	3001.4	17.77	50.12	81.11	99.97	160.5	550.1	41.22	564.8	392.5	392.3
12-Oct-15	15:59:35	276.8	5.62	1.000	3004.5	17.77	50.13	81.61	99.97	160.4	549.9	41.22	564.8	392.5	392.3
12-Oct-15	15:59:40	276.7	5.27	1.000	3015.1	17.77	50.14	81.73	99.97	160.4	549.7	41.21	564.8	392.5	392.3
12-Oct-15	15:59:45	277.2	5.16	1.000	3012.9	17.77	50.20	81.21	99.97	160.4	549.7	41.21	564.7	392.5	392.3
12-Oct-15	15:59:50	277.6	7.09	1.000	3010.8	17.77	50.16	81.02	99.97	160.4	549.7	41.20	564.7	392.5	392.3
12-Oct-15	15:59:55	277.5	7.10	1.000	3005.1	17.77	50.10	81.35	99.97	160.4	549.7	41.19	564.7	392.5	392.3
12-Oct-15	16:00:00	277.3	7.11	1.000	3001.1	17.77	50.05	81.68	99.96	160.3	549.6	41.19	564.6	392.5	392.3

Date	Time	Ambient Conditions			Inlet Cool Water Temperature °C
		Temperature °C	Humidity %	Pressure bar	
12-Oct-15	12:58	18.46	58.80	1.01114	24.07
12-Oct-15	12:59	18.47	58.61	1.01117	24.13
12-Oct-15	13:00	18.41	58.82	1.01114	24.11
12-Oct-15	13:01	18.25	59.33	1.01113	24.18
12-Oct-15	13:02	18.22	60.52	1.01110	24.13
12-Oct-15	13:03	18.28	59.26	1.01109	24.15
12-Oct-15	13:04	18.46	59.53	1.01108	24.14
12-Oct-15	13:05	18.55	58.52	1.01110	24.16
12-Oct-15	13:06	18.64	58.18	1.01104	24.22
12-Oct-15	13:07	18.79	57.28	1.01102	24.22
12-Oct-15	13:08	18.91	56.57	1.01102	24.22
12-Oct-15	13:09	18.85	57.75	1.01099	24.22
12-Oct-15	13:10	18.78	57.30	1.01102	24.21
12-Oct-15	13:11	18.77	56.73	1.01101	24.20
12-Oct-15	13:12	18.84	56.26	1.01097	24.22
12-Oct-15	13:13	18.92	55.80	1.01097	24.23
12-Oct-15	13:14	18.94	55.97	1.01103	24.26
12-Oct-15	13:15	18.89	55.81	1.01103	24.23
12-Oct-15	13:16	18.83	56.07	1.01098	24.22
12-Oct-15	13:17	18.93	55.70	1.01103	24.27
12-Oct-15	13:18	18.84	56.04	1.01097	24.22
12-Oct-15	13:19	18.85	56.23	1.01099	24.28
12-Oct-15	13:20	18.75	56.20	1.01101	24.30
12-Oct-15	13:21	18.69	55.93	1.01095	24.25
12-Oct-15	13:22	18.65	55.81	1.01095	24.33
12-Oct-15	13:23	18.63	55.82	1.01093	24.30
12-Oct-15	13:24	18.68	55.61	1.01087	24.25
12-Oct-15	13:25	18.82	55.79	1.01087	24.29
12-Oct-15	13:26	18.84	54.41	1.01087	24.33
12-Oct-15	13:27	18.88	54.35	1.01085	24.31
12-Oct-15	13:28	18.90	53.38	1.01083	24.33
12-Oct-15	13:29	18.82	54.07	1.01085	24.35
12-Oct-15	13:30	18.83	54.34	1.01080	24.38
12-Oct-15	13:31	18.82	54.16	1.01079	24.40
12-Oct-15	13:32	18.75	54.44	1.01079	24.37
12-Oct-15	13:33	18.70	55.39	1.01077	24.38
12-Oct-15	13:34	18.75	53.63	1.01076	24.38
12-Oct-15	13:35	18.81	52.36	1.01076	24.35
12-Oct-15	13:36	18.75	52.85	1.01076	24.33
12-Oct-15	13:37	18.64	53.31	1.01073	24.38
12-Oct-15	13:38	18.58	53.59	1.01071	24.34
12-Oct-15	13:39	18.53	54.06	1.01072	24.31
12-Oct-15	13:40	18.46	54.02	1.01067	24.27
12-Oct-15	13:41	18.44	54.13	1.01067	24.30
12-Oct-15	13:42	18.46	53.84	1.01065	24.27
12-Oct-15	13:43	18.45	54.62	1.01062	24.28
12-Oct-15	13:44	18.55	54.51	1.01064	24.23
12-Oct-15	13:45	18.75	52.57	1.01060	24.27
12-Oct-15	13:46	18.95	51.83	1.01061	24.26
12-Oct-15	13:47	19.21	49.95	1.01063	24.28
12-Oct-15	13:48	19.17	50.15	1.01062	24.32
12-Oct-15	13:49	19.20	50.28	1.01058	24.30
12-Oct-15	13:50	19.30	50.94	1.01056	24.28
12-Oct-15	13:51	19.36	50.11	1.01058	24.29
12-Oct-15	13:52	19.39	50.14	1.01055	24.30
12-Oct-15	13:53	19.44	49.24	1.01056	24.29
12-Oct-15	13:54	19.47	48.61	1.01053	24.32
12-Oct-15	13:55	19.56	48.22	1.01052	24.37
12-Oct-15	13:56	19.70	48.61	1.01053	24.35
12-Oct-15	13:57	19.69	48.60	1.01054	24.37
12-Oct-15	13:58	19.62	50.18	1.01048	24.34
12-Oct-15	13:59	19.78	50.11	1.01049	24.39
12-Oct-15	14:00	19.93	50.09	1.01049	24.40
12-Oct-15	14:01	19.93	49.37	1.01046	24.38
12-Oct-15	14:02	19.81	49.69	1.01046	24.35
12-Oct-15	14:03	19.69	50.39	1.01045	24.32
12-Oct-15	14:04	19.64	50.48	1.01039	24.29
12-Oct-15	14:05	19.74	48.58	1.01044	24.30
12-Oct-15	14:06	19.46	49.89	1.01043	24.29
12-Oct-15	14:07	19.37	50.72	1.01036	24.35
12-Oct-15	14:08	19.33	50.27	1.01038	24.38
12-Oct-15	14:09	19.23	50.85	1.01033	24.37
12-Oct-15	14:10	19.26	50.38	1.01033	24.37
12-Oct-15	14:11	19.30	50.40	1.01030	24.41
12-Oct-15	14:12	19.45	49.82	1.01028	24.45
12-Oct-15	14:13	19.57	49.51	1.01026	24.44
12-Oct-15	14:14	19.61	49.97	1.01027	24.46
12-Oct-15	14:15	19.73	49.28	1.01025	24.44
12-Oct-15	14:16	19.66	49.69	1.01026	24.40
12-Oct-15	14:17	19.59	51.11	1.01028	24.50
12-Oct-15	14:18	19.52	50.90	1.01023	24.42
12-Oct-15	14:19	19.41	50.89	1.01019	24.45
12-Oct-15	14:20	19.31	51.26	1.01018	24.45
12-Oct-15	14:21	19.34	50.82	1.01013	24.44
12-Oct-15	14:22	19.38	50.54	1.01014	24.47
12-Oct-15	14:23	19.43	50.21	1.01017	24.45
12-Oct-15	14:24	19.28	51.24	1.01012	24.47
12-Oct-15	14:25	19.29	51.25	1.01009	24.45
12-Oct-15	14:26	19.30	50.84	1.01008	24.47
12-Oct-15	14:27	19.38	50.80	1.01009	24.51
12-Oct-15	14:28	19.39	50.83	1.01005	24.52
12-Oct-15	14:29	19.39	50.06	1.00999	24.49
12-Oct-15	14:30	19.15	49.79	1.00993	24.52
12-Oct-15	14:31	19.13	50.48	1.00998	24.54
12-Oct-15	14:32	19.29	49.75	1.00994	24.53
12-Oct-15	14:33	19.44	49.71	1.00999	24.52
12-Oct-15	14:34	19.35	50.48	1.00994	24.47
12-Oct-15	14:35	19.34	50.32	1.00988	24.43
12-Oct-15	14:36	19.09	49.97	1.00992	24.42
12-Oct-15	14:37	19.23	50.45	1.00984	24.38
12-Oct-15	14:38	19.45	49.45	1.00986	24.38
12-Oct-15	14:39	19.56	49.19	1.00988	24.48
12-Oct-15	14:40	19.52	49.68	1.00988	24.41
12-Oct-15	14:41	19.42	50.33	1.00980	24.45
12-Oct-15	14:42	19.36	49.90	1.00983	24.42
12-Oct-15	14:43	19.23	50.28	1.00974	24.46
12-Oct-15	14:44	19.03	50.14	1.00980	24.46
12-Oct-15	14:45	18.93	50.77	1.00973	24.46
12-Oct-15	14:46	19.20	50.06	1.00972	24.48
12-Oct-15	14:47	19.24	49.95	1.00971	24.49
12-Oct-15	14:48	19.02	51.48	1.00962	24.50
12-Oct-15	14:49	19.08	51.04	1.00962	24.47
12-Oct-15	14:50	19.17	51.02	1.00964	24.45
12-Oct-15	14:51	19.21	50.35	1.00959	24.46
12-Oct-15	14:52	19.21	50.22	1.00959	24.52
12-Oct-15	14:53	18.98	50.24	1.00956	24.47
12-Oct-15	14:54	19.04	51.15	1.00952	24.46
12-Oct-15	14:55	18.93	51.01	1.00958	24.51

Date	Time	Ambient Conditions			Inlet Cool Water Temperature °C
		Temperature °C	Humidity %	Pressure bar	
12-Oct-15	14:56	19.08	51.42	1.00953	24.49
12-Oct-15	14:57	19.33	50.26	1.00957	24.53
12-Oct-15	14:58	19.50	49.26	1.00949	24.52
12-Oct-15	14:59	19.41	48.87	1.00950	24.50
12-Oct-15	15:00	19.52	49.17	1.00953	24.54
12-Oct-15	15:01	19.55	49.35	1.00945	24.50
12-Oct-15	15:02	19.50	49.34	1.00945	24.49
12-Oct-15	15:03	19.48	49.21	1.00950	24.52
12-Oct-15	15:04	19.48	49.84	1.00945	24.55
12-Oct-15	15:05	19.43	50.04	1.00946	24.54
12-Oct-15	15:06	19.37	50.14	1.00948	24.54
12-Oct-15	15:07	19.17	50.31	1.00940	24.54
12-Oct-15	15:08	19.06	50.18	1.00944	24.54
12-Oct-15	15:09	19.07	50.42	1.00949	24.57
12-Oct-15	15:10	18.80	50.59	1.00941	24.57
12-Oct-15	15:11	18.90	51.37	1.00946	24.51
12-Oct-15	15:12	19.01	51.65	1.00944	24.58
12-Oct-15	15:13	19.10	50.67	1.00943	24.56
12-Oct-15	15:14	19.08	50.32	1.00947	24.58
12-Oct-15	15:15	19.12	50.85	1.00943	24.55
12-Oct-15	15:16	19.12	51.05	1.00946	24.57
12-Oct-15	15:17	19.21	50.87	1.00943	24.55
12-Oct-15	15:18	19.38	50.94	1.00941	24.63
12-Oct-15	15:19	19.45	50.89	1.00944	24.60
12-Oct-15	15:20	19.27	51.83	1.00943	24.68
12-Oct-15	15:21	19.21	50.98	1.00942	24.62
12-Oct-15	15:22	19.10	51.98	1.00938	24.70
12-Oct-15	15:23	19.15	51.21	1.00935	24.66
12-Oct-15	15:24	19.25	50.65	1.00937	24.70
12-Oct-15	15:25	19.19	50.75	1.00940	24.70
12-Oct-15	15:26	19.22	52.60	1.00929	24.76
12-Oct-15	15:27	19.29	50.61	1.00932	24.76
12-Oct-15	15:28	19.28	50.86	1.00931	24.74
12-Oct-15	15:29	19.30	50.96	1.00934	24.73
12-Oct-15	15:30	19.15	51.13	1.00933	24.70
12-Oct-15	15:31	19.09	51.25	1.00927	24.64
12-Oct-15	15:32	19.21	50.38	1.00924	24.66
12-Oct-15	15:33	19.24	50.67	1.00924	24.67
12-Oct-15	15:34	19.32	50.83	1.00922	24.63
12-Oct-15	15:35	19.35	50.32	1.00930	24.63
12-Oct-15	15:36	19.22	50.64	1.00928	24.69
12-Oct-15	15:37	19.02	51.09	1.00925	24.68
12-Oct-15	15:38	18.96	51.39	1.00928	24.67
12-Oct-15	15:39	18.90	51.72	1.00922	24.71
12-Oct-15	15:40	19.05	51.24	1.00928	24.72
12-Oct-15	15:41	19.17	49.68	1.00925	24.73
12-Oct-15	15:42	19.31	49.11	1.00924	24.75
12-Oct-15	15:43	19.31	49.27	1.00919	24.79
12-Oct-15	15:44	19.35	49.74	1.00919	24.79
12-Oct-15	15:45	19.40	48.83	1.00927	24.81
12-Oct-15	15:46	19.15	50.28	1.00914	24.77
12-Oct-15	15:47	19.07	49.26	1.00912	24.80
12-Oct-15	15:48	19.04	50.57	1.00919	24.75
12-Oct-15	15:49	18.94	50.37	1.00910	24.81
12-Oct-15	15:50	18.92	50.39	1.00912	24.77
12-Oct-15	15:51	18.90	50.86	1.00910	24.76
12-Oct-15	15:52	18.91	51.24	1.00910	24.72
12-Oct-15	15:53	19.19	50.84	1.00905	24.74
12-Oct-15	15:54	19.60	49.25	1.00906	24.71
12-Oct-15	15:55	19.50	48.69	1.00906	24.75
12-Oct-15	15:56	19.47	49.10	1.00909	24.75
12-Oct-15	15:57	19.54	49.96	1.00909	24.79
12-Oct-15	15:58	19.71	48.65	1.00909	24.79
12-Oct-15	15:59	19.52	49.73	1.00905	24.81
12-Oct-15	16:00	19.49	50.14	1.00906	24.77



**APPENDIX D**  
**DCS Measurements (5 seconds interval)**

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Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:00:00	278.0	1.58	1.000	3008.1	17.56	50.12	80.18	99.98	160.2	546.6	41.09	568.4	386.9	384.8
12-Oct-15	11:00:05	278.3	1.19	1.000	3004.4	17.57	50.10	80.55	99.98	160.3	546.5	41.10	568.4	386.9	384.8
12-Oct-15	11:00:10	278.5	0.81	1.000	3002.3	17.57	50.04	80.59	99.99	160.4	546.4	41.11	568.4	386.9	384.8
12-Oct-15	11:00:15	278.5	0.42	1.000	2997.5	17.58	49.99	80.90	99.99	160.4	546.4	41.11	568.4	386.9	384.8
12-Oct-15	11:00:20	277.7	0.02	1.000	2997.0	17.57	49.95	81.22	100.0	160.4	546.3	41.12	568.4	386.9	384.8
12-Oct-15	11:00:25	276.9	-0.40	1.000	3007.2	17.57	50.00	82.15	100.0	160.4	546.3	41.13	568.4	386.9	384.8
12-Oct-15	11:00:30	277.2	-0.82	1.000	3008.1	17.57	50.10	81.76	100.0	160.4	546.3	41.14	568.4	386.9	384.8
12-Oct-15	11:00:35	277.5	-1.24	1.000	3010.9	17.56	50.13	81.36	100.0	160.4	546.3	41.14	568.4	386.9	384.8
12-Oct-15	11:00:40	278.0	-1.66	1.000	3008.9	17.56	50.12	81.46	100.0	160.4	546.3	41.15	568.4	386.9	384.8
12-Oct-15	11:00:45	278.0	-0.99	1.000	3009.5	17.56	50.11	81.87	100.0	160.4	546.3	41.16	568.4	386.9	384.8
12-Oct-15	11:00:50	278.1	-0.08	1.000	3006.0	17.55	50.09	81.56	100.0	160.4	546.3	41.17	568.4	386.9	384.8
12-Oct-15	11:00:55	277.9	-1.00	1.000	3000.7	17.55	50.05	81.91	100.0	160.4	546.3	41.18	568.4	386.9	384.8
12-Oct-15	11:01:00	276.9	-1.90	1.000	3004.1	17.55	50.07	82.30	100.0	160.4	546.3	41.15	568.4	386.9	384.9
12-Oct-15	11:01:05	277.6	-1.25	1.000	3003.8	17.54	50.08	82.28	100.0	160.4	546.1	41.11	567.8	386.9	384.9
12-Oct-15	11:01:10	277.9	-0.60	1.000	2999.8	17.54	50.06	82.44	99.98	160.4	546.0	41.08	567.7	386.9	384.9
12-Oct-15	11:01:15	277.9	0.04	1.000	3002.6	17.54	50.04	82.82	99.93	160.4	545.8	41.08	567.6	386.9	384.9
12-Oct-15	11:01:20	277.2	-1.17	1.000	3002.6	17.54	50.04	83.19	99.98	160.4	545.7	41.08	567.6	386.9	384.8
12-Oct-15	11:01:25	277.0	-1.89	1.000	3005.6	17.54	50.04	83.49	99.88	160.4	545.6	41.08	567.5	386.9	384.9
12-Oct-15	11:01:30	276.7	-1.64	1.000	3007.5	17.54	50.09	83.58	99.88	160.4	545.5	41.08	567.4	386.9	384.9
12-Oct-15	11:01:35	277.7	-1.32	1.000	3004.8	17.54	50.07	82.73	99.88	160.4	545.5	41.08	567.3	386.9	384.9
12-Oct-15	11:01:40	277.7	-1.00	1.000	3003.9	17.55	50.05	82.73	99.88	160.4	545.4	41.08	567.2	386.9	384.9
12-Oct-15	11:01:45	277.2	-0.69	1.000	3005.9	17.55	50.03	83.22	99.89	160.4	545.3	41.08	567.2	386.9	384.9
12-Oct-15	11:01:50	277.3	-0.37	1.000	3003.5	17.55	50.02	83.48	99.89	160.4	545.3	41.08	567.1	386.9	384.9
12-Oct-15	11:01:55	277.7	-0.05	1.000	3000.5	17.55	50.00	83.25	99.89	160.3	545.2	41.08	567.0	386.9	384.9
12-Oct-15	11:02:00	277.6	0.23	1.000	3001.2	17.56	49.99	83.28	99.89	160.3	545.1	41.08	566.9	386.9	384.9
12-Oct-15	11:02:05	277.3	0.49	1.000	3003.1	17.56	50.00	83.76	99.89	160.3	545.0	41.08	566.9	386.9	384.9
12-Oct-15	11:02:10	276.8	0.76	1.000	3001.0	17.56	50.01	83.85	99.90	160.3	545.0	41.07	566.8	386.9	384.9
12-Oct-15	11:02:15	277.7	1.02	1.000	3003.1	17.56	50.02	83.62	99.90	160.3	544.9	41.07	566.8	386.9	384.9
12-Oct-15	11:02:20	277.9	1.29	1.000	2997.1	17.56	50.03	83.89	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:25	277.2	1.55	1.000	2999.8	17.56	50.03	84.27	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:30	276.1	1.82	1.000	3003.9	17.56	50.07	84.57	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:35	277.5	2.09	1.000	3004.7	17.56	50.08	83.68	99.90	160.3	544.8	41.07	566.8	386.9	384.9
12-Oct-15	11:02:40	277.6	2.09	1.000	3002.6	17.56	50.05	83.52	99.90	160.3	544.8	41.08	566.8	386.9	384.9
12-Oct-15	11:02:45	277.7	2.09	1.000	3000.8	17.56	50.02	83.81	99.90	160.2	544.8	41.08	566.7	386.9	384.9
12-Oct-15	11:02:50	278.2	2.09	1.000	2998.8	17.56	49.97	83.47	99.90	160.2	544.8	41.08	566.6	386.9	384.9
12-Oct-15	11:02:55	277.7	2.09	1.000	2995.6	17.56	49.92	83.82	99.90	160.2	544.7	41.08	566.5	386.9	384.9
12-Oct-15	11:03:00	277.5	2.09	1.000	2999.6	17.56	49.90	84.16	99.91	160.1	544.7	41.08	566.4	386.9	384.9
12-Oct-15	11:03:05	276.9	2.09	1.000	2999.4	17.56	49.94	84.86	99.91	160.1	544.7	41.09	566.3	386.9	384.9
12-Oct-15	11:03:10	277.9	2.10	1.000	3001.2	17.58	49.93	83.73	99.91	160.1	544.7	41.09	566.3	386.9	384.9
12-Oct-15	11:03:15	276.7	2.12	1.000	3007.3	17.58	50.02	83.47	99.91	160.1	544.6	41.08	566.3	386.9	384.9
12-Oct-15	11:03:20	277.7	2.15	1.000	2999.9	17.59	50.04	83.21	99.92	160.0	544.6	41.07	566.3	386.9	384.9
12-Oct-15	11:03:25	277.2	2.17	1.000	2999.6	17.59	50.03	83.53	99.92	160.0	544.6	41.07	566.3	386.9	384.9
12-Oct-15	11:03:30	276.9	2.19	1.000	3003.6	17.59	50.02	83.24	99.93	160.0	544.6	41.06	566.2	386.9	384.9
12-Oct-15	11:03:35	277.2	2.20	1.000	3006.4	17.58	50.01	82.78	99.93	160.0	544.6	41.05	566.2	386.9	384.9
12-Oct-15	11:03:40	278.6	1.06	1.000	2995.7	17.57	50.00	82.35	99.94	159.9	544.6	41.04	566.2	386.9	384.9
12-Oct-15	11:03:45	277.9	-0.17	1.000	2991.8	17.57	49.96	83.07	99.94	159.9	544.6	41.03	566.2	386.9	384.9
12-Oct-15	11:03:50	276.7	-1.69	1.000	2998.6	17.56	49.96	84.27	99.95	159.9	544.6	41.02	566.2	386.9	384.9
12-Oct-15	11:03:55	276.4	-1.80	1.000	3002.9	17.56	49.99	84.80	99.95	159.8	544.6	41.01	566.2	386.9	384.9
12-Oct-15	11:04:00	276.8	-1.58	1.000	3002.1	17.55	50.05	84.32	99.95	159.8	544.6	41.00	566.2	386.9	384.9
12-Oct-15	11:04:05	277.2	-1.36	1.000	3003.4	17.55	50.02	84.05	99.96	159.7	544.6	40.99	566.1	386.9	384.9
12-Oct-15	11:04:10	276.9	-1.14	1.000	3000.6	17.54	50.00	84.06	99.96	159.7	544.6	40.96	566.1	386.9	384.9
12-Oct-15	11:04:15	276.7	-0.92	1.000	3003.1	17.54	50.00	84.44	99.97	159.7	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:20	276.8	-0.70	1.000	3002.9	17.54	50.00	84.44	99.97	159.7	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:25	276.6	-0.48	1.000	2996.4	17.54	50.00	84.44	99.97	159.7	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:30	276.1	-0.25	1.000	2999.6	17.54	50.00	84.87	99.97	159.6	544.6	40.94	566.1	386.9	384.9
12-Oct-15	11:04:35	277.1	-0.03	1.000	2999.3	17.54	50.00	84.00	99.97	159.6	544.5	40.94	566.1	386.9	384.9
12-Oct-15	11:04:40	277.2	0.21	1.000	2998.9	17.54	50.00	83.81	99.97	159.6	544.5	40.95	566.1	386.9	384.9
12-Oct-15	11:04:45	276.7	0.67	1.000	2997.3	17.54	50.00	84.86	99.96	159.6	544.5	40.95	566.1	386.9	384.9
12-Oct-15	11:04:50	277.0	1.17	1.000	2995.8	17.54	49.98	84.74	99.96	159.6	544.5	40.95	566.1	386.9	384.9
12-Oct-15	11:04:55	277.0	-0.19	1.000	2996.1	17.54	49.95	85.01	99.95	159.6	544.4	40.95	566.1	386.9	384.9
12-Oct-15	11:05:00	276.7	-0.13	1.000	2999.3	17.54	49.96	85.29	99.95	159.6	544.4	40.95	566.1	386.9	384.9
12-Oct-15	11:05:05	276.4	-0.30	1.000	3003.1	17.54	49.98	85.55	99.94	159.5	544.4	40.96	566.1	386.9	384.9
12-Oct-15	11:05:10	276.6	-0.46	1.000	3007.0	17.54	50.02	85.18	99.94	159.5	544.4	40.96	566.1	386.9	384.9
12-Oct-15	11:05:15	277.0	-0.63	1.000	3001.5	17.54	50.04	84.54	99.93	159.5	544.3	40.96	566.1	386.9	384.9
12-Oct-15	11:05:20	276.7	-0.79	1.000	3003.4	17.54	50.01	84.85	99.93	159.5	544.3	40.95	566.1	386.9	384.9
12-Oct-15	11:05:25	276.7	-0.96	1.000	2997.5	17.54	49.99	85.15	99.93	159.4	544.3	40.93	566.1	386.9	384.9
12-Oct-15	11:05:30	276.5	-1.12	1.000	2999.7	17.54	49.98	85.45	99.93	159.4	544.3	40.92	566.1	386.9	384.9
12-Oct-15	11:05:35	276.4	-1.29	1.000	3002.7	17.54	49.97	85.22	99.93	159.4	544.3	40.91	566.1	386.9	384.9
12-Oct-15	11:05:40	277.1	-1.45	1.000	3002.3	17.54	49.96	84.54	99.93	159.3	544.3	40.90	566.1	386.9	384.9
12-Oct-15	11:05:45	277.2	-1.62	1.000	2998.9	17.54	49.94	84.83	99.93	159.3	544.3	40.88	566.1	386.9	384.9
12-Oct-15	11:05:50	276.8	-1.78	1.000	2995.4	17.54	49.91	85.20	99.93	159.3	544.3	40.87	566.1	386.9	384.9
12-Oct-15	11:05:55	275.7	-1.91	1.000	2997.1	17.54	49.92	8							



Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:09:50	276.2	-0.50	1.000	2993.9	17.53	49.90	83.15	99.97	158.6	547.1	40.78	567.2	386.9	384.8
12-Oct-15	11:09:55	276.0	-0.57	1.000	2993.1	17.53	49.92	83.28	99.97	158.6	547.2	40.77	567.2	386.9	384.8
12-Oct-15	11:10:00	275.8	-0.65	1.000	2998.9	17.53	49.93	83.40	99.97	158.6	547.2	40.77	567.2	386.9	384.8
12-Oct-15	11:10:05	276.4	-0.73	1.000	2995.7	17.54	49.92	82.61	99.97	158.6	547.3	40.76	567.2	386.9	384.8
12-Oct-15	11:10:10	276.6	-0.80	1.000	2995.5	17.54	49.89	82.48	99.97	158.6	547.4	40.75	567.3	386.9	384.8
12-Oct-15	11:10:15	276.2	-0.88	1.000	2995.5	17.54	49.90	83.21	99.97	158.6	547.4	40.75	567.3	386.9	384.8
12-Oct-15	11:10:20	276.1	-0.89	1.000	2994.3	17.54	49.91	82.84	99.98	158.6	547.5	40.74	567.3	386.9	384.9
12-Oct-15	11:10:25	275.6	-0.90	1.000	2995.6	17.54	49.92	83.07	99.98	158.6	547.5	40.73	567.3	386.9	384.8
12-Oct-15	11:10:30	276.0	-0.91	1.000	2999.3	17.54	49.92	82.72	99.98	158.6	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:35	276.1	-0.92	1.000	2996.1	17.54	49.92	82.38	99.98	158.6	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:40	276.2	-0.93	1.000	2995.7	17.54	49.91	82.51	99.98	158.6	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:45	276.3	-0.94	1.000	2993.9	17.54	49.89	82.66	99.98	158.7	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:50	276.0	-0.95	1.000	2995.3	17.54	49.88	82.87	99.98	158.8	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:10:55	276.6	-0.96	1.000	2993.5	17.54	49.87	82.41	99.98	158.8	547.5	40.73	567.3	386.9	384.9
12-Oct-15	11:11:00	276.5	-0.97	1.000	2991.8	17.54	49.86	82.24	99.98	158.8	547.5	40.74	567.3	386.9	384.9
12-Oct-15	11:11:05	276.7	-0.98	1.000	2994.8	17.54	49.86	82.24	99.98	158.9	547.5	40.75	567.5	386.9	384.9
12-Oct-15	11:11:10	276.4	-0.99	1.000	2995.0	17.54	49.85	82.13	99.97	158.9	547.5	40.76	567.7	386.9	384.9
12-Oct-15	11:11:15	276.6	-1.00	1.000	2995.4	17.54	49.84	81.87	99.97	159.0	547.6	40.77	567.7	386.9	384.9
12-Oct-15	11:11:20	277.3	-1.01	1.000	2992.1	17.54	49.83	81.61	99.96	159.0	547.6	40.78	567.8	387.0	384.9
12-Oct-15	11:11:25	276.8	-1.01	1.000	2994.2	17.54	49.83	81.93	99.95	159.1	547.6	40.80	567.8	387.0	384.9
12-Oct-15	11:11:30	276.3	-0.66	1.000	2997.2	17.54	49.87	81.87	99.95	159.1	547.6	40.82	567.8	387.0	385.0
12-Oct-15	11:11:35	276.8	-0.23	1.000	3000.6	17.54	49.93	81.70	99.95	159.2	547.6	40.83	567.9	386.9	385.0
12-Oct-15	11:11:40	276.6	0.20	1.000	3002.2	17.53	49.96	81.53	99.95	159.2	547.6	40.84	567.9	386.9	385.0
12-Oct-15	11:11:45	278.6	0.63	1.000	3002.0	17.53	49.99	81.36	99.95	159.2	547.6	40.84	567.9	387.0	385.0
12-Oct-15	11:11:50	278.2	1.03	1.000	2995.5	17.53	49.95	81.15	99.94	159.3	547.6	40.85	568.0	387.0	385.0
12-Oct-15	11:11:55	277.8	1.37	1.000	2992.4	17.53	49.85	81.27	99.94	159.4	547.6	40.85	568.0	387.0	385.0
12-Oct-15	11:12:00	276.7	1.70	1.000	2993.7	17.53	49.85	82.05	99.94	159.4	547.6	40.86	568.0	387.0	385.0
12-Oct-15	11:12:05	276.7	2.03	1.000	2995.0	17.52	49.86	82.36	99.94	159.4	547.6	40.86	568.0	387.0	385.0
12-Oct-15	11:12:10	276.4	2.36	1.000	2996.1	17.52	49.88	82.40	99.94	159.4	547.6	40.87	568.1	387.0	385.1
12-Oct-15	11:12:15	276.9	2.69	1.000	2996.0	17.52	49.94	81.93	99.94	159.4	547.6	40.87	568.1	387.0	385.1
12-Oct-15	11:12:20	277.8	2.74	1.000	2992.5	17.52	49.90	81.55	99.93	159.4	547.6	40.88	568.1	387.0	385.1
12-Oct-15	11:12:25	277.4	1.67	1.000	2993.9	17.52	49.89	81.79	99.93	159.4	547.6	40.88	568.1	387.0	385.1
12-Oct-15	11:12:30	277.1	1.23	1.000	2995.1	17.52	49.89	82.01	99.93	159.4	547.6	40.89	568.1	387.1	385.1
12-Oct-15	11:12:35	277.3	1.71	1.000	2995.7	17.52	49.90	81.62	99.93	159.4	547.6	40.91	568.1	387.1	385.1
12-Oct-15	11:12:40	277.6	2.18	1.000	2992.0	17.52	49.91	81.29	99.93	159.5	547.5	40.94	568.1	387.1	385.1
12-Oct-15	11:12:45	277.8	2.66	1.000	2989.3	17.52	49.91	81.17	99.93	159.6	547.5	40.95	568.1	387.1	385.1
12-Oct-15	11:12:50	277.6	6.23	1.000	2990.8	17.52	49.92	81.26	99.93	159.7	547.5	40.96	568.2	387.1	385.2
12-Oct-15	11:12:55	277.2	6.23	1.000	2992.2	17.52	49.93	81.47	99.93	159.7	547.4	40.97	568.2	387.1	385.2
12-Oct-15	11:13:00	277.4	6.23	1.000	2997.8	17.52	49.94	80.98	99.92	159.8	547.4	40.98	568.3	387.1	385.2
12-Oct-15	11:13:05	277.8	6.23	1.000	2997.2	17.52	49.94	80.74	99.92	159.8	547.3	40.99	568.3	387.2	385.2
12-Oct-15	11:13:10	277.9	6.23	1.000	2995.5	17.52	49.91	81.01	99.92	159.9	547.3	41.00	568.3	387.2	385.2
12-Oct-15	11:13:15	278.3	7.73	1.000	2989.8	17.59	49.88	81.27	99.92	160.0	547.3	41.01	568.4	387.2	385.2
12-Oct-15	11:13:20	277.6	8.45	1.000	2991.0	17.61	49.85	81.54	99.91	160.1	547.2	41.02	568.4	387.2	385.2
12-Oct-15	11:13:25	277.2	9.02	1.000	2995.4	17.61	49.88	81.50	99.91	160.2	547.2	41.03	568.4	387.2	385.3
12-Oct-15	11:13:30	278.0	9.59	1.000	2992.0	17.62	49.90	80.71	99.91	160.2	547.2	41.05	568.4	387.2	385.3
12-Oct-15	11:13:35	277.6	10.15	1.000	2991.7	17.62	49.92	81.56	99.91	160.2	547.2	41.07	568.4	387.2	385.3
12-Oct-15	11:13:40	277.9	10.59	1.000	2995.5	17.63	49.93	81.39	99.91	160.2	547.2	41.09	568.4	387.2	385.3
12-Oct-15	11:13:45	278.3	10.84	1.000	2991.8	17.63	49.93	80.85	99.91	160.2	547.2	41.11	568.4	387.2	385.3
12-Oct-15	11:13:50	277.6	11.08	1.000	2999.5	17.64	49.91	81.78	99.91	160.2	547.2	41.13	568.4	387.2	385.3
12-Oct-15	11:13:55	277.9	11.32	1.000	2999.0	17.64	49.90	81.16	99.91	160.2	547.2	41.13	568.4	387.2	385.3
12-Oct-15	11:14:00	278.2	11.57	1.000	2992.0	17.65	49.89	81.12	99.91	160.2	547.2	41.11	568.4	387.2	385.3
12-Oct-15	11:14:05	278.0	11.81	1.000	2989.7	17.65	49.88	81.56	99.91	160.2	547.2	41.09	568.4	387.2	385.3
12-Oct-15	11:14:10	277.3	12.06	1.000	2992.0	17.66	49.87	82.07	99.91	160.2	547.2	41.07	568.4	387.2	385.3
12-Oct-15	11:14:15	277.4	12.30	1.000	2996.1	17.66	49.87	82.22	99.90	160.2	547.2	41.04	568.4	387.2	385.3
12-Oct-15	11:14:20	277.5	12.33	1.000	2992.0	17.67	49.86	81.87	99.90	160.3	547.2	41.03	568.4	387.3	385.3
12-Oct-15	11:14:25	277.2	11.52	1.000	2993.5	17.67	49.85	82.40	99.90	160.3	547.3	41.02	568.3	387.3	385.3
12-Oct-15	11:14:30	277.2	10.70	1.000	2996.0	17.67	49.85	82.30	99.91	160.3	547.3	41.01	568.3	387.3	385.3
12-Oct-15	11:14:35	277.5	11.15	1.000	2993.9	17.67	49.84	82.09	99.91	160.3	547.3	41.02	568.3	387.3	385.3
12-Oct-15	11:14:40	277.5	11.90	1.000	2988.9	17.67	49.83	82.78	99.91	160.3	547.2	40.97	568.3	387.3	385.4
12-Oct-15	11:14:45	277.3	12.50	1.000	2989.4	17.67	49.83	83.14	99.92	160.3	547.1	40.93	568.2	387.3	385.4
12-Oct-15	11:14:50	276.4	10.37	1.000	2991.7	17.66	49.85	83.48	99.92	160.2	547.1	40.94	568.2	387.3	385.4
12-Oct-15	11:14:55	276.6	10.35	1.000	2995.5	17.66	49.87	83.70	99.93	160.2	547.0	40.94	568.2	387.3	385.4
12-Oct-15	11:15:00	276.7	10.33	1.000	2992.1	17.66	49.87	83.91	99.93	160.2	547.0	40.94	568.1	387.3	385.4
12-Oct-15	11:15:05	277.3	10.31	1.000	2995.5	17.66	49.86	84.12	99.94	160.2	547.0	40.94	568.1	387.3	385.4
12-Oct-15	11:15:10	276.8	10.30	1.000	2993.5	17.66	49.85	84.34	99.94	160.2	546.9	40.95	568.1	387.3	385.4
12-Oct-15	11:15:15	276.8	10.28	1.000	2994.3	17.66	49.84	84.32	99.95	160.2	546.9	40.95	568.1	387.3	385.4
12-Oct-15	11:15:20	277.4	10.26	1.000	2991.2	17.66	49.83	83.64	99.95	160.1	546.8	40.95	568.1	387.3	385.4
12-Oct-15	11:15:25	277.0	10.24	1.000	2991.2	17.66	49.84	84.10	99.95	160.1	546.8	40.95	568.1	387.3	385.4
12-Oct-15	11:15:30	276.7	10.22	1.000	2990.9	17.66	49.86	84.51	99.95	160.1	546.8	40.96	568.1	387.3	385.4
12-Oct-15	11:15:35	277.0	10.20	1.000	2992.0	17.66	49.88	84.27	99.95	160.1	546.8	40.96	568.1	387.3	385.5
12-Oct-15	11:15:40	276.9	10.19	1.000	2991.8	17.66	49.87	84.21	99.95	160.1	546.8	40.96	568.1	387.4	385.5
12-Oct-15	11:15:45	276.8	10.17	1.000	2993.										

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:19:40	277.3	12.56	1.000	2995.2	17.67	49.87	82.84	99.92	160.0	545.9	41.08	568.6	387.4	385.6
12-Oct-15	11:19:45	277.8	12.56	1.000	2995.7	17.67	49.87	82.21	99.92	160.0	545.8	41.07	568.6	387.4	385.6
12-Oct-15	11:19:50	277.8	12.51	1.000	2991.5	17.67	49.85	81.77	99.92	160.0	545.8	41.07	568.6	387.4	385.6
12-Oct-15	11:19:55	278.0	12.45	1.000	2991.6	17.67	49.83	82.22	99.92	160.0	545.8	41.06	568.6	387.4	385.6
12-Oct-15	11:20:00	277.4	12.39	1.000	2991.2	17.67	49.83	82.38	99.92	160.0	545.7	41.06	568.6	387.4	385.6
12-Oct-15	11:20:05	277.8	12.52	1.000	2990.9	17.67	49.84	82.54	99.92	160.0	545.7	41.05	568.6	387.4	385.6
12-Oct-15	11:20:10	277.5	12.50	1.000	2991.4	17.67	49.85	82.71	99.92	160.0	545.6	41.05	568.7	387.4	385.6
12-Oct-15	11:20:15	277.2	11.98	1.000	2988.9	17.67	49.86	82.87	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:20	276.9	11.76	1.000	2985.5	17.67	49.87	83.03	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:25	277.2	11.54	1.000	2995.3	17.67	49.89	82.66	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:30	277.7	11.32	1.000	2998.8	17.67	49.92	82.01	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:35	278.2	11.10	1.000	2988.1	17.67	49.90	81.84	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:40	278.3	10.88	1.000	2986.4	17.67	49.80	82.08	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:45	277.5	10.66	1.000	2988.1	17.67	49.79	82.62	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:50	276.9	10.44	1.000	2995.7	17.67	49.84	82.87	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:20:55	277.3	10.27	1.000	2995.5	17.67	49.89	82.42	99.92	160.0	545.6	41.04	568.7	387.4	385.6
12-Oct-15	11:21:00	277.1	10.27	1.000	2992.0	17.67	49.91	82.58	99.92	160.0	545.6	41.04	568.6	387.4	385.6
12-Oct-15	11:21:05	277.3	10.27	1.000	2999.4	17.66	49.91	82.58	99.92	160.0	545.6	41.05	568.6	387.4	385.6
12-Oct-15	11:21:10	278.3	10.27	1.000	2992.0	17.66	49.89	81.75	99.92	160.0	545.6	41.06	568.5	387.4	385.7
12-Oct-15	11:21:15	277.9	10.27	1.000	2991.1	17.66	49.86	82.00	99.92	160.0	545.6	41.06	568.5	387.4	385.7
12-Oct-15	11:21:20	277.7	10.27	1.000	2992.4	17.66	49.83	82.25	99.92	160.0	545.6	41.06	568.5	387.4	385.7
12-Oct-15	11:21:25	277.5	10.27	1.000	2993.7	17.66	49.82	82.51	99.92	160.0	545.6	41.06	568.4	387.4	385.7
12-Oct-15	11:21:30	277.1	10.22	1.000	2995.0	17.66	49.84	82.84	99.92	160.0	545.6	41.05	568.4	387.4	385.7
12-Oct-15	11:21:35	276.7	10.16	1.000	2996.0	17.66	49.87	83.18	99.92	160.0	545.6	41.05	568.4	387.4	385.7
12-Oct-15	11:21:40	277.1	10.10	1.000	2998.7	17.66	49.92	82.64	99.93	160.0	545.6	41.04	568.4	387.4	385.7
12-Oct-15	11:21:45	277.4	10.04	1.000	2997.7	17.66	49.91	82.23	99.93	160.0	545.6	41.04	568.3	387.4	385.7
12-Oct-15	11:21:50	277.6	9.99	1.000	2996.6	17.66	49.90	82.03	99.93	160.0	545.5	41.03	568.3	387.4	385.6
12-Oct-15	11:21:55	277.8	9.93	1.000	2992.8	17.66	49.89	81.92	99.93	160.0	545.5	41.03	568.3	387.4	385.7
12-Oct-15	11:22:00	277.8	10.35	1.000	2995.1	17.66	49.88	81.82	99.93	159.9	545.5	41.02	568.3	387.4	385.6
12-Oct-15	11:22:05	277.4	10.76	1.000	2995.0	17.66	49.87	82.04	99.93	159.9	545.5	41.02	568.2	387.4	385.7
12-Oct-15	11:22:10	277.4	11.18	1.000	2992.0	17.66	49.86	82.13	99.94	159.9	545.5	41.02	568.2	387.4	385.6
12-Oct-15	11:22:15	277.6	11.59	1.000	2995.4	17.66	49.86	81.94	99.94	159.9	545.4	41.02	568.2	387.4	385.7
12-Oct-15	11:22:20	277.6	11.59	1.000	2992.2	17.66	49.85	81.87	99.94	159.9	545.4	41.02	568.2	387.4	385.6
12-Oct-15	11:22:25	277.3	10.03	1.000	2995.0	17.66	49.84	82.24	99.94	159.9	545.4	41.02	568.2	387.4	385.7
12-Oct-15	11:22:30	277.3	10.72	1.000	2994.6	17.66	49.84	82.14	99.94	159.9	545.4	41.02	568.2	387.4	385.6
12-Oct-15	11:22:35	277.0	11.41	1.000	2994.7	17.66	49.83	81.95	99.94	159.9	545.4	41.02	568.2	387.4	385.7
12-Oct-15	11:22:40	277.5	11.82	1.000	2987.8	17.66	49.83	81.79	99.94	159.9	545.4	41.02	568.2	387.4	385.6
12-Oct-15	11:22:45	277.3	11.16	1.000	2987.8	17.66	49.82	81.79	99.94	159.9	545.4	41.02	568.1	387.4	385.6
12-Oct-15	11:22:50	276.9	10.51	1.000	2994.1	17.66	49.84	81.79	99.94	159.9	545.4	41.02	567.9	387.4	385.6
12-Oct-15	11:22:55	276.3	9.99	1.000	2988.2	17.66	49.85	82.82	99.94	159.9	545.4	41.02	567.8	387.4	385.6
12-Oct-15	11:23:00	277.2	9.99	1.000	2992.1	17.66	49.87	82.41	99.94	159.9	545.4	41.02	567.7	387.4	385.6
12-Oct-15	11:23:05	277.5	9.99	1.000	2988.8	17.66	49.87	81.70	99.94	159.8	545.4	41.02	567.6	387.4	385.6
12-Oct-15	11:23:10	276.7	10.28	1.000	2991.8	17.66	49.88	82.95	99.94	159.8	545.4	41.02	567.5	387.4	385.6
12-Oct-15	11:23:15	277.1	10.64	1.000	2991.8	17.66	49.89	82.32	99.93	159.8	545.3	41.01	567.4	387.4	385.6
12-Oct-15	11:23:20	277.3	10.99	1.000	2991.8	17.66	49.91	82.11	99.93	159.8	545.3	41.01	567.4	387.4	385.6
12-Oct-15	11:23:25	277.5	11.35	1.000	2995.5	17.66	49.92	81.90	99.93	159.8	545.3	41.01	567.4	387.4	385.6
12-Oct-15	11:23:30	277.7	11.71	1.000	2999.0	17.67	49.91	81.69	99.93	159.8	545.3	41.01	567.3	387.4	385.6
12-Oct-15	11:23:35	278.0	12.06	1.000	2991.1	17.67	49.88	81.48	99.93	159.8	545.3	41.00	567.3	387.4	385.6
12-Oct-15	11:23:40	277.5	10.59	1.000	2989.0	17.67	49.82	82.11	99.93	159.8	545.3	41.00	567.2	387.4	385.6
12-Oct-15	11:23:45	276.9	10.24	1.000	2989.7	17.67	49.84	82.62	99.92	159.8	545.3	41.00	567.2	387.4	385.6
12-Oct-15	11:23:50	276.7	10.25	1.000	2987.9	17.67	49.85	82.82	99.92	159.8	545.3	40.99	567.2	387.4	385.6
12-Oct-15	11:23:55	276.7	10.26	1.000	2992.1	17.67	49.87	83.00	99.92	159.8	545.3	40.99	567.1	387.4	385.6
12-Oct-15	11:24:00	276.7	10.27	1.000	2995.3	17.67	49.87	82.48	99.92	159.8	545.3	40.99	567.1	387.4	385.6
12-Oct-15	11:24:05	277.1	10.28	1.000	2991.7	17.67	49.87	82.48	99.91	159.8	545.3	40.98	567.1	387.4	385.6
12-Oct-15	11:24:10	276.8	10.30	1.000	2993.5	17.67	49.87	82.48	99.91	159.8	545.3	40.98	567.0	387.4	385.6
12-Oct-15	11:24:15	277.1	10.31	1.000	2989.0	17.67	49.87	82.48	99.91	159.8	545.3	40.98	567.0	387.4	385.6
12-Oct-15	11:24:20	276.9	10.32	1.000	2994.4	17.67	49.87	82.48	99.90	159.8	545.4	40.99	567.0	387.3	385.6
12-Oct-15	11:24:25	277.2	10.33	1.000	2994.3	17.67	49.87	82.48	99.90	159.8	545.4	40.99	567.0	387.3	385.6
12-Oct-15	11:24:30	277.0	10.24	1.000	2994.8	17.67	49.87	82.56	99.90	159.7	545.5	40.99	567.0	387.3	385.6
12-Oct-15	11:24:35	277.0	10.36	1.000	2992.3	17.67	49.87	82.75	99.90	159.7	545.5	40.99	567.0	387.3	385.6
12-Oct-15	11:24:40	276.4	10.37	1.000	2995.2	17.67	49.87	82.93	99.90	159.7	545.6	40.99	567.0	387.3	385.6
12-Oct-15	11:24:45	277.1	10.37	1.000	2994.0	17.67	49.87	82.44	99.90	159.7	545.6	40.99	567.0	387.3	385.6
12-Oct-15	11:24:50	277.0	10.33	1.000	2998.2	17.66	49.91	82.71	99.90	159.7	545.6	40.99	567.0	387.3	385.6
12-Oct-15	11:24:55	277.2	10.27	1.000	2998.5	17.66	49.91	82.50	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:00	277.2	10.22	1.000	2998.2	17.66	49.90	82.12	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:05	277.0	10.16	1.000	2992.8	17.66	49.89	81.92	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:10	277.0	10.11	1.000	2995.4	17.66	49.88	81.72	99.91	159.7	545.6	41.00	566.9	387.3	385.6
12-Oct-15	11:25:15	277.4	10.05	1.000	2991.9	17.65	49.87	81.52	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:20	277.0	9.99	1.000	2994.5	17.65	49.88	81.97	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:25	276.4	9.94	1.000	2993.6	17.65	49.80	82.85	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:30	276.7	9.88	1.000	3000.4	17.65	49.93	82.66	99.91	159.7	545.7	41.00	566.9	387.3	385.6
12-Oct-15	11:25:35														

		Gross Power	Reactive Power	Power Factor	Speed	Voltage Generator	Frequency Generator	HP Valve Position	IP Valve Position	HP steam Pressure	HP steam Temperature	IP steam Pressure	HP steam Temperature	Outlet Boiler Temperature A	Outlet Boiler Temperature B
Date	Time	MW	Mvar	-	rpm	kV	Hz	%	%	bar(a)	°C	bar(a)	°C	°C	°C
12-Oct-15	11:29:30	277.0	9.65	0.999	3001.7	17.65	50.01	84.95	99.92	159.3	545.3	41.08	567.2	387.3	385.9
12-Oct-15	11:29:35	276.7	9.58	0.999	3003.3	17.65	50.02	84.80	99.92	159.3	545.3	41.07	567.2	387.3	385.8
12-Oct-15	11:29:40	276.7	9.53	0.999	3001.2	17.65	50.02	84.64	99.92	159.3	545.2	41.06	567.1	387.4	385.9
12-Oct-15	11:29:45	276.5	9.53	0.999	3006.4	17.65	50.02	84.31	99.92	159.3	545.2	41.06	567.1	387.4	385.9
12-Oct-15	11:29:50	277.7	9.58	0.999	3001.7	17.66	49.99	83.96	99.92	159.3	545.1	41.05	567.1	387.4	385.9
12-Oct-15	11:29:55	277.6	9.63	0.999	2992.8	17.66	49.93	83.99	99.92	159.3	545.1	41.05	567.1	387.4	385.9
12-Oct-15	11:30:00	276.8	9.68	0.999	2995.3	17.66	49.93	84.39	99.92	159.3	545.0	41.04	567.1	387.4	385.9
12-Oct-15	11:30:05	276.7	9.74	0.999	2999.4	17.66	49.94	84.70	99.92	159.3	545.0	41.04	567.1	387.4	385.9
12-Oct-15	11:30:10	276.6	9.79	0.999	2992.1	17.66	49.95	84.56	99.92	159.3	544.9	41.04	567.1	387.4	386.0
12-Oct-15	11:30:15	276.4	9.85	0.999	2996.1	17.66	49.96	84.97	99.92	159.3	544.9	41.04	567.1	387.4	386.0
12-Oct-15	11:30:20	276.6	9.90	0.999	2999.7	17.66	49.97	84.80	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:25	276.8	9.96	0.999	3001.0	17.66	50.00	84.64	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:30	276.7	10.01	0.999	3001.3	17.66	50.02	84.48	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:35	276.6	10.06	0.999	3003.4	17.66	50.03	84.42	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:40	276.8	10.02	0.999	3003.2	17.66	50.04	84.69	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:45	277.1	9.62	0.999	3000.6	17.66	50.04	84.31	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:50	276.7	9.22	0.999	3000.4	17.66	50.05	84.45	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:30:55	276.6	8.82	0.999	2999.9	17.66	50.06	84.58	99.92	159.3	544.8	41.04	567.1	387.4	386.0
12-Oct-15	11:31:00	276.5	8.42	0.999	2999.7	17.66	50.06	84.73	99.92	159.3	544.7	41.03	567.1	387.4	386.0
12-Oct-15	11:31:05	276.7	8.42	0.999	3004.9	17.66	50.07	84.78	99.92	159.2	544.6	41.02	566.9	387.4	386.0
12-Oct-15	11:31:10	277.2	8.97	0.999	3000.7	17.66	50.06	84.17	99.93	159.2	544.5	41.01	566.7	387.4	386.1
12-Oct-15	11:31:15	277.0	9.53	0.999	3000.0	17.66	50.05	83.89	99.93	159.2	544.4	41.01	566.5	387.4	386.1
12-Oct-15	11:31:20	277.2	10.09	0.999	2999.7	17.65	50.03	83.60	99.94	159.2	544.3	41.00	566.5	387.4	386.1
12-Oct-15	11:31:25	277.2	10.09	0.999	2999.8	17.65	50.02	83.21	99.95	159.2	544.2	41.00	566.4	387.4	386.1
12-Oct-15	11:31:30	276.9	10.24	0.999	2996.8	17.65	49.97	83.87	99.95	159.2	544.2	40.99	566.4	387.4	386.1
12-Oct-15	11:31:35	276.5	10.43	0.999	3001.4	17.67	49.96	84.21	99.95	159.3	544.2	40.99	566.3	387.4	386.1
12-Oct-15	11:31:40	276.9	10.62	0.999	3001.9	17.67	49.95	84.07	99.95	159.3	544.2	40.98	566.3	387.4	386.1
12-Oct-15	11:31:45	277.2	10.81	0.999	2998.6	17.68	49.95	83.93	99.95	159.3	544.2	40.98	566.2	387.4	386.1
12-Oct-15	11:31:50	276.9	11.00	0.999	2999.4	17.69	49.94	83.79	99.95	159.3	544.2	40.97	566.2	387.4	386.1
12-Oct-15	11:31:55	276.6	11.19	0.999	3000.0	17.69	49.94	83.65	99.95	159.3	544.2	40.97	566.1	387.4	386.1
12-Oct-15	11:32:00	277.3	11.38	0.999	2999.0	17.70	49.93	83.51	99.95	159.3	544.2	40.97	566.1	387.4	386.1
12-Oct-15	11:32:05	277.0	11.57	0.999	2997.1	17.71	49.92	83.37	99.95	159.4	544.2	40.97	566.1	387.4	386.1
12-Oct-15	11:32:10	277.5	11.76	0.999	2995.6	17.71	49.92	83.44	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:15	276.8	11.94	0.999	2999.5	17.72	49.94	84.26	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:20	276.1	12.13	0.999	3000.7	17.73	50.00	85.14	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:25	276.8	12.13	0.999	3004.9	17.73	50.07	84.50	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:30	277.3	12.13	0.999	3003.5	17.73	50.06	83.97	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:35	277.6	12.13	0.999	3000.1	17.73	50.04	83.47	99.96	159.4	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:40	277.6	12.13	0.999	2998.7	17.73	50.02	83.72	99.96	159.6	544.2	40.97	566.0	387.4	386.1
12-Oct-15	11:32:45	276.9	12.13	0.999	3001.3	17.73	50.03	84.33	99.96	159.5	544.3	40.99	566.0	387.4	386.1
12-Oct-15	11:32:50	277.3	12.13	0.999	3002.0	17.73	50.04	83.73	99.96	159.5	544.3	41.01	566.0	387.4	386.1
12-Oct-15	11:32:55	277.3	12.13	0.999	3000.9	17.73	50.05	83.72	99.95	159.5	544.4	41.02	566.0	387.4	386.1
12-Oct-15	11:33:00	276.8	12.13	0.999	3005.0	17.73	50.06	84.14	99.95	159.5	544.4	41.02	566.0	387.4	386.1
12-Oct-15	11:33:05	277.2	12.13	0.999	3003.8	17.73	50.07	84.01	99.95	159.5	544.4	41.02	566.1	387.4	386.1
12-Oct-15	11:33:10	277.4	12.29	0.999	3004.2	17.71	50.06	83.70	99.95	159.4	544.5	41.01	566.1	387.4	386.1
12-Oct-15	11:33:15	277.7	12.49	0.999	3000.8	17.70	50.03	83.39	99.94	159.4	544.5	41.01	566.1	387.4	386.1
12-Oct-15	11:33:20	277.6	12.68	0.999	2997.5	17.68	49.97	83.71	99.94	159.4	544.6	41.01	566.1	387.4	386.1
12-Oct-15	11:33:25	276.5	12.41	0.999	2999.7	17.68	50.00	84.43	99.94	159.4	544.6	41.01	566.1	387.4	386.1
12-Oct-15	11:33:30	276.5	12.14	0.999	3007.5	17.68	50.05	84.49	99.94	159.4	544.6	41.01	566.1	387.4	386.1
12-Oct-15	11:33:35	277.1	11.87	0.999	3007.1	17.68	50.08	83.81	99.94	159.4	544.6	41.00	566.1	387.4	386.1
12-Oct-15	11:33:40	276.9	11.60	0.999	3007.5	17.68	50.10	83.88	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:33:45	277.2	11.32	0.999	3005.7	17.68	50.11	84.10	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:33:50	277.9	11.05	0.999	3002.1	17.69	50.09	83.24	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:33:55	277.6	10.78	0.999	3001.3	17.69	50.02	83.48	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:00	276.7	10.73	0.999	3002.1	17.69	50.03	84.29	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:05	277.1	10.73	0.999	3004.9	17.69	50.04	83.70	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:10	277.5	10.73	0.999	3003.7	17.69	50.05	83.55	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:15	276.9	10.73	0.999	3005.6	17.70	50.06	83.85	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:20	276.9	10.73	0.999	3009.7	17.70	50.07	84.16	99.94	159.4	544.6	41.00	566.2	387.4	386.1
12-Oct-15	11:34:25	277.1	10.73	0.999	3011.4	17.70	50.12	84.38	99.94	159.4	544.3	41.00	566.2	387.4	386.1
12-Oct-15	11:34:30	277.7	10.73	0.999	3009.3	17.70	50.11	82.93	99.95	159.5	544.2	40.99	566.3	387.4	386.1
12-Oct-15	11:34:35	277.2	10.73	0.999	3007.5	17.70	50.10	83.55	99.90	159.5	544.2	40.99	566.3	387.4	386.1
12-Oct-15	11:34:40	277.4	10.73	0.999	3006.9	17.70	50.08	83.46	99.90	159.5	544.3	40.99	566.3	387.4	386.1
12-Oct-15	11:34:45	277.3	10.73	0.999	3004.0	17.70	50.07	83.37	99.91	159.6	544.3	40.99	566.3	387.4	386.1
12-Oct-15	11:34:50	276.7	10.97	0.999	3007.4	17.70	50.09	83.95	99.91	159.6	544.3	40.99	566.3	387.4	386.1
12-Oct-15	11:34:55	276.9	11.25	0.999	3010.0	17.70	50.11	83.71	99.91	159.6	544.4	41.00	566.4	387.4	386.1
12-Oct-15	11:35:00	276.6	11.15	0.999	3010.2	17.70	50.12	83.35	99.92	159.7	544.4	41.00	566.4	387.4	386.1
12-Oct-15	11:35:05	277.6	11.05	0.999	3008.3	17.70	50.11	83.00	99.92	159.7	544.4	41.01	566.4	387.4	386.1
12-Oct-15	11:35:10	277.4	10.95	0.999	3008.9	17.70	50.10	83.09	99.93	159.7	544.5	41.02	566.4	387.4	386.1
12-Oct-15	11:35:15	277.1	10.85	0.999	3011.0	17.70	50.10	83.26	99.93	159.8	544.5	41.03	566.4	387.4	386.1
12-Oct-15	11:35:20	276.9	10.75	0.999	3011.3	17.70	50.09	82.90	99.94	159.8	544.5	41.04	566.4	387.4	386.

Angamos Power Plant Unit#1

		Gross Power	Reactive Power	Power Factor	Speed	Voltage Generator	Frequency Generator	HP Valve Position	IP Valve Position	HP steam Pressure	HP steam Temperature	IP steam Pressure	HP steam Temperature	Outlet Boiler Temperature A	Outlet Boiler Temperature B
Date	Time	MW	Mvar	-	rpm	kV	Hz	%	%	bar(a)	°C	bar(a)	°C	°C	°C
12-Oct-15	11:39:20	278.1	13.43	0.999	3010.2	17.70	50.16	83.15	99.95	160.4	543.6	41.20	566.7	387.7	386.4
12-Oct-15	11:39:25	278.4	13.43	0.999	3005.6	17.70	50.14	83.15	99.95	160.4	543.2	41.19	566.6	387.7	386.5
12-Oct-15	11:39:30	278.6	13.43	0.999	3001.2	17.70	50.09	82.86	99.96	160.4	543.0	41.18	566.6	387.7	386.4
12-Oct-15	11:39:35	277.9	13.43	0.999	2999.7	17.70	50.08	83.35	99.97	160.4	543.0	41.17	566.6	387.7	386.4
12-Oct-15	11:39:40	278.0	13.43	0.999	3000.3	17.70	50.10	83.91	99.96	160.4	543.0	41.16	566.6	387.7	386.5
12-Oct-15	11:39:45	276.7	13.43	0.999	3011.9	17.70	50.12	84.44	99.96	160.4	543.0	41.15	566.5	387.7	386.5
12-Oct-15	11:39:50	276.9	14.78	0.999	3015.5	17.69	50.23	84.10	99.96	160.4	543.0	41.15	566.5	387.7	386.5
12-Oct-15	11:39:55	278.8	14.65	0.999	3007.8	17.69	50.19	82.55	99.95	160.4	543.0	41.15	566.5	387.7	386.5
12-Oct-15	11:40:00	278.2	13.26	0.999	3000.1	17.69	50.07	82.90	99.95	160.4	543.1	41.15	566.5	387.7	386.5
12-Oct-15	11:40:05	277.6	11.48	0.999	3005.8	17.68	50.08	83.40	99.95	160.3	543.1	41.14	566.4	387.7	386.4
12-Oct-15	11:40:10	277.9	11.85	0.999	3007.4	17.68	50.08	83.53	99.94	160.3	543.1	41.14	566.4	387.7	386.5
12-Oct-15	11:40:15	278.0	12.21	0.999	3005.5	17.67	50.09	83.67	99.94	160.3	543.1	41.14	566.4	387.7	386.5
12-Oct-15	11:40:20	277.4	12.58	0.999	3007.8	17.67	50.10	83.80	99.94	160.3	543.1	41.14	566.4	387.7	386.5
12-Oct-15	11:40:25	278.2	12.95	0.999	3008.4	17.67	50.10	83.94	99.93	160.2	543.1	41.13	566.4	387.7	386.4
12-Oct-15	11:40:30	277.6	13.13	0.999	3008.9	17.67	50.11	84.07	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:40:35	277.2	12.63	0.999	3009.7	17.67	50.12	84.20	99.93	160.2	543.1	41.13	566.4	387.7	386.4
12-Oct-15	11:40:40	277.3	12.13	0.999	3007.6	17.67	50.12	83.93	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:40:45	277.6	11.64	0.999	3007.9	17.67	50.11	83.98	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:40:50	277.0	11.17	0.999	3010.8	17.67	50.10	84.18	99.93	160.2	543.1	41.13	566.4	387.7	386.4
12-Oct-15	11:40:55	277.3	12.25	0.999	3008.3	17.67	50.09	83.58	99.93	160.2	543.1	41.13	566.4	387.7	386.5
12-Oct-15	11:41:00	278.0	13.10	0.999	3005.0	17.67	50.08	83.65	99.93	160.2	543.1	41.12	566.4	387.7	386.5
12-Oct-15	11:41:05	277.5	13.10	0.999	3007.6	17.67	50.07	84.19	99.93	160.1	543.1	41.11	566.3	387.7	386.5
12-Oct-15	11:41:10	276.7	13.10	0.999	3009.0	17.67	50.10	84.25	99.93	160.0	543.0	41.11	566.3	387.7	386.5
12-Oct-15	11:41:15	277.2	13.10	0.999	3011.1	17.67	50.12	83.91	99.92	160.0	543.0	41.10	566.3	387.7	386.5
12-Oct-15	11:41:20	277.4	13.10	0.999	3010.6	17.67	50.12	83.77	99.91	159.9	543.0	41.09	566.3	387.7	386.5
12-Oct-15	11:41:25	277.4	13.10	0.999	3006.8	17.66	50.12	83.54	99.90	159.9	542.9	41.08	566.3	387.7	386.5
12-Oct-15	11:41:30	277.0	12.50	0.999	3007.5	17.66	50.11	83.89	99.89	159.8	542.9	41.07	566.3	387.7	386.5
12-Oct-15	11:41:35	276.7	11.77	0.999	3006.8	17.66	50.10	84.32	99.89	159.8	542.8	41.07	566.3	387.7	386.5
12-Oct-15	11:41:40	276.4	11.28	0.999	3009.6	17.66	50.09	84.61	99.90	159.7	542.8	41.06	566.2	387.7	386.5
12-Oct-15	11:41:45	276.9	11.67	0.999	3005.4	17.66	50.08	84.87	99.90	159.7	542.8	41.06	566.2	387.7	386.5
12-Oct-15	11:41:50	276.5	12.06	0.999	3001.3	17.66	50.07	85.13	99.91	159.6	542.7	41.06	566.2	387.7	386.5
12-Oct-15	11:41:55	276.0	12.45	0.999	3007.2	17.65	50.06	85.38	99.91	159.6	542.7	41.05	566.2	387.7	386.5
12-Oct-15	11:42:00	276.3	12.85	0.999	3007.1	17.65	50.05	85.38	99.92	159.6	542.6	41.05	566.2	387.7	386.5
12-Oct-15	11:42:05	276.3	13.07	0.999	3002.3	17.65	50.04	85.32	99.92	159.5	542.6	41.04	566.2	387.7	386.5
12-Oct-15	11:42:10	275.8	12.67	0.999	3003.9	17.65	50.04	85.87	99.93	159.5	542.5	41.04	566.2	387.7	386.5
12-Oct-15	11:42:15	276.3	12.27	0.999	3004.2	17.65	50.03	85.46	99.93	159.5	542.5	41.03	566.2	387.7	386.5
12-Oct-15	11:42:20	276.9	11.87	0.999	2999.5	17.65	50.02	85.05	99.93	159.5	542.4	41.03	566.2	387.7	386.5
12-Oct-15	11:42:25	276.9	11.48	0.999	2998.3	17.64	49.98	85.51	99.94	159.4	542.4	41.03	566.2	387.7	386.5
12-Oct-15	11:42:30	275.8	11.08	0.999	2999.8	17.64	50.00	86.40	99.94	159.4	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:35	275.2	10.74	0.999	3007.1	17.64	50.06	86.92	99.94	159.4	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:40	276.4	10.40	0.999	3010.9	17.64	50.12	86.46	99.94	159.4	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:45	276.7	10.05	0.999	3003.6	17.64	50.09	86.02	99.94	159.2	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:50	276.4	9.71	0.999	3001.7	17.64	50.06	86.21	99.94	159.2	542.4	41.02	566.2	387.7	386.5
12-Oct-15	11:42:55	276.2	9.37	0.999	2997.6	17.64	50.02	86.65	99.94	159.2	542.4	41.01	566.2	387.7	386.5
12-Oct-15	11:43:00	275.7	9.17	0.999	2999.9	17.64	50.02	87.11	99.94	159.1	542.4	41.01	566.2	387.7	386.5
12-Oct-15	11:43:05	275.4	9.17	0.999	3000.0	17.64	50.02	87.44	99.94	159.1	542.5	41.01	566.2	387.7	386.5
12-Oct-15	11:43:10	276.2	10.00	0.999	2999.8	17.65	50.00	86.99	99.94	159.1	542.5	41.00	566.2	387.7	386.5
12-Oct-15	11:43:15	276.4	11.01	0.999	2996.6	17.65	49.98	86.76	99.94	159.1	542.5	41.00	566.2	387.7	386.5
12-Oct-15	11:43:20	276.3	11.19	0.999	2996.0	17.66	49.96	86.81	99.94	159.1	542.5	41.00	566.2	387.7	386.4
12-Oct-15	11:43:25	275.6	11.19	0.999	2998.7	17.66	49.95	87.12	99.94	159.0	542.6	41.00	566.2	387.7	386.4
12-Oct-15	11:43:30	275.9	11.20	0.999	2999.4	17.66	49.94	87.04	99.94	159.0	542.6	40.99	566.2	387.7	386.4
12-Oct-15	11:43:35	276.1	11.20	0.999	2999.1	17.66	49.94	86.96	99.94	159.0	542.6	40.98	566.2	387.7	386.4
12-Oct-15	11:43:40	276.2	11.20	0.999	2996.8	17.66	49.93	86.88	99.94	158.9	542.6	40.97	566.2	387.7	386.5
12-Oct-15	11:43:45	276.2	11.20	0.999	2995.3	17.66	49.92	86.80	99.94	158.9	542.6	40.97	566.2	387.7	386.5
12-Oct-15	11:43:50	276.2	11.21	0.999	2992.4	17.66	49.91	86.73	99.94	158.9	542.6	40.96	566.2	387.7	386.5
12-Oct-15	11:43:55	276.3	11.21	0.999	2993.1	17.66	49.86	86.66	99.94	158.8	542.6	40.95	566.2	387.7	386.4
12-Oct-15	11:44:00	275.7	11.21	0.999	2995.3	17.66	49.87	87.10	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:05	275.4	11.21	0.999	2995.7	17.66	49.88	87.17	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:10	275.7	11.22	0.999	2993.1	17.67	49.90	87.17	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:15	275.9	11.22	0.999	2992.6	17.67	49.91	87.17	99.94	158.8	542.6	40.94	566.2	387.7	386.4
12-Oct-15	11:44:20	275.8	11.22	0.999	2992.1	17.67	49.91	87.17	99.94	158.7	542.6	40.93	566.2	387.7	386.4
12-Oct-15	11:44:25	275.7	11.22	0.999	2995.5	17.67	49.91	87.17	99.94	158.6	542.8	40.89	566.2	387.7	386.4
12-Oct-15	11:44:30	275.6	11.22	0.999	2993.4	17.67	49.91	87.16	99.95	158.6	543.0	40.88	566.2	387.7	386.4
12-Oct-15	11:44:35	275.4	11.22	0.999	2992.4	17.67	49.91	87.13	99.96	158.6	543.0	40.87	566.2	387.7	386.4
12-Oct-15	11:44:40	275.4	11.22	0.999	2995.6	17.67	49.91	87.10	99.96	158.6	543.0	40.86	566.2	387.7	386.4
12-Oct-15	11:44:45	275.3	11.22	0.999	2996.2	17.67	49.91	87.06	99.95	158.6	543.1	40.85	566.2	387.7	386.4
12-Oct-15	11:44:50	275.3	11.06	0.999	2998.4	17.67	49.90	87.03	99.95	158.5	543.1	40.84	566.2	387.7	386.4
12-Oct-15	11:44:55	275.7	10.87	0.999	2996.9	17.67	49.89	87.00	99.95	158.5	543.1	40.84	566.2	387.7	386.4
12-Oct-15	11:45:00	275.5	10.67	0.999	2995.5	17.67	49.89	86.97	99.95	158.5	543.2	40.84	566.2	387.7	386.4
12-Oct-15	11:45:05	276.1	10.48	0.999	2995.7	17.67	49.88	85.90	99.95	158.5	543.2	40.83	566.2	387.7	386.4
12-Oct-15	11:45:10	276.2	10.28	0.999	2995.5	17.66	49.87	86.13	99.95	158.5	543.3	40.83	56		

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:49:10	276.3	10.73	0.999	2993.1	17.67	49.93	83.25	99.92	159.0	544.8	40.83	567.9	387.7	386.3
12-Oct-15	11:49:15	276.1	10.66	0.999	2997.3	17.67	49.95	83.35	99.92	159.0	544.8	40.84	567.9	387.7	386.3
12-Oct-15	11:49:20	276.5	10.63	0.999	2997.2	17.67	49.97	83.25	99.92	159.0	544.9	40.85	567.9	387.7	386.3
12-Oct-15	11:49:25	277.0	10.63	0.999	2998.5	17.67	49.97	83.02	99.92	159.1	545.1	40.86	568.0	387.7	386.2
12-Oct-15	11:49:30	277.1	10.63	0.999	2999.0	17.67	49.97	82.49	99.91	159.2	545.3	40.87	568.0	387.7	386.3
12-Oct-15	11:49:35	276.9	10.63	0.999	2997.5	17.67	49.97	82.73	99.90	159.2	545.4	40.89	568.0	387.7	386.3
12-Oct-15	11:49:40	276.7	10.63	0.999	2998.9	17.67	49.97	82.86	99.90	159.3	545.4	40.90	568.0	387.7	386.3
12-Oct-15	11:49:45	276.6	10.63	0.999	3002.2	17.67	49.97	82.75	99.90	159.3	545.4	40.91	568.1	387.7	386.3
12-Oct-15	11:49:50	276.9	10.78	0.999	2999.1	17.67	49.95	82.51	99.90	159.3	545.4	40.92	568.1	387.7	386.3
12-Oct-15	11:49:55	276.9	10.95	0.999	2999.3	17.67	49.93	82.47	99.90	159.3	545.5	40.92	568.1	387.7	386.3
12-Oct-15	11:50:00	277.2	11.13	0.999	2995.6	17.67	49.92	82.65	99.90	159.4	545.5	40.93	568.1	387.7	386.3
12-Oct-15	11:50:05	276.7	11.31	0.999	2996.0	17.67	49.92	82.83	99.90	159.4	545.5	40.94	568.2	387.7	386.3
12-Oct-15	11:50:10	277.4	11.49	0.999	2999.3	17.66	49.93	82.35	99.91	159.4	545.5	40.96	568.2	387.7	386.3
12-Oct-15	11:50:15	277.7	11.67	0.999	2993.2	17.66	49.94	82.43	99.91	159.4	545.5	40.99	568.2	387.7	386.3
12-Oct-15	11:50:20	277.2	10.70	0.999	2993.4	17.66	49.95	82.52	99.91	159.5	545.6	41.00	568.2	387.7	386.3
12-Oct-15	11:50:25	277.1	9.88	0.999	2995.9	17.66	49.95	82.61	99.91	159.5	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:30	277.3	10.28	0.999	2996.8	17.66	49.96	82.79	99.91	159.5	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:35	277.0	10.68	0.999	3001.2	17.66	49.99	83.09	99.91	159.5	545.6	41.00	568.2	387.7	386.3
12-Oct-15	11:50:40	276.2	11.08	0.999	3004.2	17.66	50.05	83.26	99.91	159.5	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:45	277.6	11.48	0.999	3003.2	17.66	50.05	81.97	99.91	159.6	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:50	278.2	10.57	0.999	2997.9	17.67	49.99	81.12	99.91	159.6	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:50:55	277.8	7.99	0.999	2995.4	17.67	49.92	81.57	99.91	159.6	545.6	41.00	568.2	387.8	386.3
12-Oct-15	11:51:00	276.9	9.89	0.999	2999.3	17.67	49.94	82.36	99.91	159.6	545.6	41.00	568.3	387.8	386.3
12-Oct-15	11:51:05	276.5	11.79	0.999	3000.2	17.67	49.96	82.52	99.91	159.7	545.5	41.03	568.3	387.8	386.3
12-Oct-15	11:51:10	276.6	12.13	0.999	3007.5	17.67	50.02	82.27	99.91	159.7	545.4	41.05	568.4	387.8	386.3
12-Oct-15	11:51:15	277.5	12.13	0.999	3006.5	17.67	50.02	81.69	99.92	159.8	545.4	41.06	568.5	387.8	386.3
12-Oct-15	11:51:20	277.8	12.13	0.999	3002.1	17.67	50.02	81.30	99.92	159.8	545.3	41.07	568.6	387.8	386.4
12-Oct-15	11:51:25	278.1	12.13	0.999	3000.8	17.67	50.02	81.03	99.93	159.8	545.2	41.08	568.6	387.9	386.4
12-Oct-15	11:51:30	278.0	12.18	0.999	2996.5	17.67	49.97	80.92	99.94	159.9	545.1	41.08	568.6	387.9	386.4
12-Oct-15	11:51:35	277.2	12.24	0.999	3000.7	17.67	50.00	81.20	99.94	159.9	545.1	41.09	568.6	387.9	386.4
12-Oct-15	11:51:40	277.5	12.30	0.999	3004.0	17.67	50.04	80.97	99.95	159.9	545.1	41.10	568.6	387.9	386.4
12-Oct-15	11:51:45	277.7	12.36	0.999	3003.6	17.68	50.06	80.75	99.95	160.0	545.1	41.11	568.6	387.9	386.4
12-Oct-15	11:51:50	278.1	12.42	0.999	3002.9	17.68	50.04	80.52	99.95	160.0	545.1	41.12	568.6	387.9	386.4
12-Oct-15	11:51:55	278.2	12.48	0.999	3000.1	17.68	50.02	80.83	99.96	160.1	545.1	41.13	568.7	387.9	386.4
12-Oct-15	11:52:00	277.8	12.53	0.999	3000.0	17.69	50.03	81.48	99.96	160.2	545.1	41.14	568.7	387.9	386.4
12-Oct-15	11:52:05	278.2	12.59	0.999	3002.4	17.69	50.04	81.22	99.96	160.2	545.1	41.15	568.7	387.9	386.4
12-Oct-15	11:52:10	278.2	13.09	0.999	3002.9	17.69	50.06	81.56	99.97	160.3	545.1	41.16	568.7	387.9	386.4
12-Oct-15	11:52:15	277.3	13.68	0.999	3004.2	17.69	50.07	81.91	99.97	160.3	545.1	41.18	568.7	387.9	386.5
12-Oct-15	11:52:20	277.8	14.27	0.999	3005.2	17.70	50.13	81.32	99.98	160.4	545.1	41.20	568.7	388.0	386.5
12-Oct-15	11:52:25	278.6	14.61	0.999	3003.0	17.70	50.09	81.01	99.98	160.4	545.1	41.20	568.7	388.0	386.5
12-Oct-15	11:52:30	278.7	14.61	0.999	3001.3	17.70	50.05	81.18	99.98	160.4	545.0	41.20	568.7	388.0	386.5
12-Oct-15	11:52:35	278.2	14.61	0.999	3002.9	17.70	50.03	81.35	99.99	160.4	545.0	41.20	568.7	388.0	386.5
12-Oct-15	11:52:40	278.0	14.61	0.999	3004.0	17.70	50.06	81.28	99.99	160.4	545.1	41.20	568.7	388.0	386.5
12-Oct-15	11:52:45	278.4	14.61	0.999	3003.5	17.70	50.08	80.90	99.99	160.4	545.1	41.20	568.6	388.0	386.5
12-Oct-15	11:52:50	278.4	14.61	0.999	3003.6	17.70	50.08	81.08	99.98	160.5	545.1	41.21	568.6	388.0	386.5
12-Oct-15	11:52:55	277.9	14.61	0.999	3005.0	17.70	50.08	81.26	99.98	160.5	545.1	41.21	568.5	388.0	386.5
12-Oct-15	11:53:00	278.0	14.61	0.999	3004.0	17.70	50.08	81.02	99.98	160.5	545.1	41.21	568.5	388.0	386.5
12-Oct-15	11:53:05	277.8	14.61	0.999	3004.0	17.70	50.08	81.28	99.98	160.5	545.1	41.22	568.4	388.0	386.5
12-Oct-15	11:53:10	278.0	14.33	0.999	3007.7	17.70	50.10	81.32	99.98	160.5	545.2	41.22	568.4	388.1	386.5
12-Oct-15	11:53:15	278.4	13.99	0.999	3008.0	17.70	50.12	81.06	99.97	160.6	545.2	41.23	568.3	388.1	386.5
12-Oct-15	11:53:20	278.3	13.65	0.999	3006.0	17.70	50.11	81.05	99.97	160.6	545.2	41.23	568.3	388.1	386.6
12-Oct-15	11:53:25	278.1	13.36	0.999	3007.4	17.70	50.10	81.38	99.97	160.6	545.2	41.23	568.3	388.1	386.5
12-Oct-15	11:53:30	278.6	13.26	0.999	3004.7	17.70	50.08	81.03	99.97	160.6	545.2	41.24	568.3	388.1	386.6
12-Oct-15	11:53:35	278.9	13.16	0.999	3006.7	17.70	50.08	81.27	99.97	160.7	545.2	41.24	568.3	388.1	386.6
12-Oct-15	11:53:40	278.1	13.06	0.999	3007.0	17.70	50.09	81.47	99.97	160.7	545.2	41.25	568.3	388.1	386.6
12-Oct-15	11:53:45	278.2	12.96	0.999	3007.5	17.70	50.11	81.40	99.97	160.7	545.2	41.25	568.3	388.1	386.6
12-Oct-15	11:53:50	278.2	12.86	0.999	3009.5	17.70	50.13	81.24	99.97	160.7	545.2	41.26	568.3	388.2	386.6
12-Oct-15	11:53:55	278.2	12.76	0.999	3009.7	17.70	50.11	81.38	99.97	160.7	545.2	41.26	568.3	388.2	386.6
12-Oct-15	11:54:00	278.6	12.66	0.999	3006.3	17.71	50.10	81.21	99.97	160.8	545.2	41.27	568.3	388.2	386.6
12-Oct-15	11:54:05	278.8	12.56	0.999	3003.5	17.71	50.09	81.15	99.97	160.8	545.2	41.27	568.3	388.2	386.6
12-Oct-15	11:54:10	279.4	12.46	0.999	2999.7	17.71	50.08	81.28	99.97	160.8	545.2	41.28	568.3	388.2	386.6
12-Oct-15	11:54:15	278.4	12.36	0.999	2999.7	17.71	50.03	81.66	99.97	160.8	545.2	41.28	568.3	388.2	386.6
12-Oct-15	11:54:20	278.2	12.26	0.999	3000.1	17.71	50.06	81.97	99.97	160.8	545.2	41.28	567.7	388.2	386.7
12-Oct-15	11:54:25	278.2	12.88	0.999	3005.0	17.71	50.07	82.07	99.97	160.8	545.0	41.27	567.7	388.2	386.7
12-Oct-15	11:54:30	279.8	14.12	0.999	2999.7	17.71	50.03	80.77	99.95	160.8	544.8	41.27	567.6	388.2	386.7
12-Oct-15	11:54:35	278.8	14.12	0.999	3001.8	17.71	49.97	81.49	99.91	160.7	544.7	41.26	567.6	388.2	386.7
12-Oct-15	11:54:40	278.2	14.12	0.999	3003.4	17.71	49.97	81.92	99.91	160.7	544.6	41.25	567.6	388.2	386.7
12-Oct-15	11:54:45	278.4	14.12	0.999	3003.3	17.71	49.97	82.18	99.92	160.7	544.5	41.25	567.5	388.2	386.7
12-Oct-15	11:54:50	278.6	14.07	0.999	3003.2	17.71	49.99	82.45	99.92	160.7	544.4	41.24	567.5	388.2	386.7
12-Oct-15	11:54:55	278.0	14.01	0.999	3003.6	17.71	50.01	82.71	99.92	160.7	544.4	41.23	567.5	388.2	386.7
12-Oct-15	11:55:00	277.9	13.95	0.999	3006.6	17.70	50.07	82.96	99.92	160.7	544.3	41.23	567.4	388.2	386.7
12-Oct-15	11:55:														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	11:59:00	277.0	12.25	0.999	3000.4	17.70	50.01	87.92	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:05	275.8	12.38	0.999	3004.3	17.70	50.04	88.65	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:10	276.5	12.41	0.999	3003.7	17.70	50.06	88.16	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:15	276.5	12.44	0.999	3003.6	17.70	50.07	87.99	99.99	159.2	542.9	41.10	565.7	388.2	386.6
12-Oct-15	11:59:20	276.3	12.47	0.999	3004.7	17.69	50.07	87.82	99.99	159.2	543.0	41.10	565.6	388.2	386.5
12-Oct-15	11:59:25	276.5	12.51	0.999	3000.1	17.69	50.08	87.65	99.99	159.2	543.0	41.06	565.6	388.2	386.5
12-Oct-15	11:59:30	276.2	12.54	0.999	3002.9	17.69	50.09	87.87	99.98	159.1	543.1	41.05	565.7	388.2	386.5
12-Oct-15	11:59:35	275.8	12.55	0.999	3007.5	17.69	50.10	87.81	99.95	159.1	543.2	41.05	565.7	388.2	386.5
12-Oct-15	11:59:40	276.3	12.55	0.999	3004.2	17.69	50.10	87.46	99.94	159.0	543.2	41.04	565.8	388.2	386.5
12-Oct-15	11:59:45	277.3	12.55	0.999	3002.4	17.69	50.06	87.23	99.94	159.0	543.2	41.04	565.8	388.2	386.5
12-Oct-15	11:59:50	277.0	14.11	0.999	2996.8	17.69	50.00	87.36	99.94	159.0	543.3	41.04	565.9	388.2	386.5
12-Oct-15	11:59:55	276.2	12.56	0.999	3000.3	17.69	50.01	87.54	99.94	159.0	543.3	41.03	565.9	388.2	386.5
12-Oct-15	12:00:00	276.6	13.97	0.999	2999.8	17.69	50.01	87.71	99.95	158.9	543.3	41.03	566.0	388.2	386.5
12-Oct-15	12:00:05	276.8	13.96	0.999	2995.8	17.70	50.02	87.88	99.95	158.9	543.4	41.03	566.0	388.2	386.5
12-Oct-15	12:00:10	276.6	13.09	0.999	2998.2	17.70	50.03	88.06	99.95	158.9	543.4	41.02	566.1	388.2	386.5
12-Oct-15	12:00:15	275.6	12.64	0.999	3001.4	17.70	50.04	88.20	99.95	158.9	543.4	41.02	566.1	388.2	386.5
12-Oct-15	12:00:20	276.2	12.78	0.999	3007.0	17.70	50.05	87.36	99.95	158.9	543.5	41.02	566.1	388.2	386.5
12-Oct-15	12:00:25	276.7	12.92	0.999	3003.8	17.70	50.04	86.75	99.95	158.8	543.5	41.01	566.2	388.2	386.5
12-Oct-15	12:00:30	276.4	13.06	0.999	3003.0	17.70	50.03	86.44	99.95	158.8	543.5	41.00	566.2	388.2	386.5
12-Oct-15	12:00:35	276.6	13.20	0.999	3003.2	17.70	50.02	86.17	99.95	158.8	543.6	40.99	566.2	388.2	386.5
12-Oct-15	12:00:40	276.8	13.34	0.999	3002.8	17.69	50.01	85.90	99.95	158.8	543.6	40.97	566.2	388.2	386.5
12-Oct-15	12:00:45	276.5	13.48	0.999	3000.1	17.69	50.00	85.68	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:00:50	276.1	13.61	0.999	3001.0	17.69	49.99	85.10	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:00:55	276.5	13.75	0.999	3003.3	17.69	49.98	85.95	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:01:00	276.4	13.89	0.999	2999.6	17.69	49.98	85.69	99.95	158.8	543.6	40.96	566.2	388.2	386.5
12-Oct-15	12:01:05	276.2	14.03	0.999	3000.1	17.69	49.97	85.85	99.95	158.8	543.6	40.95	566.2	388.3	386.5
12-Oct-15	12:01:10	276.0	14.17	0.999	2999.8	17.69	49.96	85.84	99.95	158.8	543.6	40.94	566.2	388.3	386.5
12-Oct-15	12:01:15	276.5	14.28	0.999	2999.8	17.69	49.96	85.30	99.95	158.8	543.6	40.92	566.2	388.3	386.5
12-Oct-15	12:01:20	276.8	14.28	0.999	2997.2	17.69	49.95	84.92	99.95	158.7	543.6	40.91	566.2	388.3	386.4
12-Oct-15	12:01:25	276.6	14.28	0.999	2991.8	17.69	49.94	84.57	99.95	158.7	543.6	40.91	566.3	388.2	386.4
12-Oct-15	12:01:30	276.3	13.97	0.999	2999.6	17.69	49.96	85.61	99.95	158.7	543.6	40.91	566.3	388.3	386.5
12-Oct-15	12:01:35	276.1	13.59	0.999	3000.4	17.69	49.99	85.43	99.94	158.7	543.6	40.91	566.3	388.2	386.5
12-Oct-15	12:01:40	276.3	13.22	0.999	3000.6	17.69	50.00	85.25	99.94	158.7	543.7	40.91	566.4	388.2	386.5
12-Oct-15	12:01:45	276.3	12.84	0.999	3003.6	17.69	50.02	85.07	99.94	158.7	543.7	40.90	566.4	388.3	386.5
12-Oct-15	12:01:50	276.1	12.46	0.999	3004.1	17.69	50.04	84.89	99.94	158.7	543.8	40.90	566.5	388.2	386.5
12-Oct-15	12:01:55	276.2	13.21	0.999	3005.1	17.69	50.03	84.72	99.94	158.7	543.8	40.90	566.5	388.3	386.4
12-Oct-15	12:02:00	277.3	14.28	0.999	3003.3	17.69	50.01	84.55	99.94	158.7	543.9	40.90	566.5	388.3	386.5
12-Oct-15	12:02:05	277.0	14.11	0.999	3000.4	17.69	49.99	84.41	99.94	158.7	543.9	40.90	566.6	388.3	386.5
12-Oct-15	12:02:10	276.4	13.94	0.999	3003.3	17.69	50.01	84.27	99.93	158.8	544.0	40.90	566.6	388.3	386.5
12-Oct-15	12:02:15	276.1	13.76	0.999	3004.6	17.70	50.03	84.13	99.93	158.8	544.0	40.90	566.6	388.3	386.5
12-Oct-15	12:02:20	276.9	13.69	0.999	3000.7	17.70	50.04	84.00	99.93	158.8	544.1	40.89	566.7	388.3	386.5
12-Oct-15	12:02:25	276.6	13.42	0.999	3005.8	17.70	50.07	83.86	99.93	158.8	544.1	40.89	566.7	388.3	386.5
12-Oct-15	12:02:30	276.4	13.25	0.999	3005.9	17.70	50.09	83.72	99.93	158.8	544.2	40.89	566.7	388.3	386.5
12-Oct-15	12:02:35	276.7	13.07	0.999	3004.1	17.70	50.08	83.58	99.93	158.8	544.2	40.89	566.7	388.3	386.5
12-Oct-15	12:02:40	277.1	12.90	0.999	3007.0	17.70	50.06	83.27	99.93	158.8	544.2	40.90	566.7	388.3	386.5
12-Oct-15	12:02:45	277.4	12.73	0.999	2999.6	17.70	50.04	83.02	99.93	158.9	544.2	40.91	566.7	388.3	386.5
12-Oct-15	12:02:50	277.4	12.56	0.999	2998.6	17.70	50.00	83.18	99.93	159.0	544.3	40.92	566.7	388.3	386.5
12-Oct-15	12:02:55	276.6	12.39	0.999	3001.2	17.70	50.01	83.40	99.93	159.0	544.3	40.94	566.7	388.3	386.5
12-Oct-15	12:03:00	276.9	12.39	0.999	3007.3	17.70	50.04	83.19	99.92	159.1	544.3	40.95	566.7	388.3	386.5
12-Oct-15	12:03:05	276.7	12.39	0.999	3007.8	17.70	50.04	82.98	99.92	159.2	544.3	40.94	566.7	388.3	386.5
12-Oct-15	12:03:10	276.9	12.37	0.999	3011.1	17.70	50.08	82.77	99.92	159.2	544.3	40.94	566.7	388.3	386.5
12-Oct-15	12:03:15	277.5	12.35	0.999	3004.3	17.70	50.06	82.45	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:20	277.4	12.32	0.999	3003.1	17.70	50.05	82.31	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:25	277.1	12.30	0.999	3002.9	17.70	50.05	82.92	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:30	277.3	12.28	0.999	3000.0	17.70	50.06	82.08	99.92	159.2	544.4	40.94	566.7	388.3	386.5
12-Oct-15	12:03:35	276.8	12.25	0.999	3001.2	17.70	50.07	82.78	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:40	276.6	12.23	0.999	3003.9	17.70	50.08	82.86	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:45	276.4	12.21	0.999	3010.8	17.70	50.09	82.50	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:50	277.6	12.18	0.999	3003.7	17.70	50.08	82.07	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:03:55	277.2	12.16	0.999	3007.3	17.70	50.07	82.52	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:00	276.7	12.32	0.999	3003.5	17.70	50.06	82.97	99.92	159.3	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:05	277.1	12.52	0.999	3004.0	17.70	50.05	82.67	99.92	159.4	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:10	277.6	12.72	0.999	3001.2	17.70	50.04	82.31	99.92	159.5	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:15	277.4	12.92	0.999	3000.7	17.70	50.05	82.75	99.92	159.6	544.5	40.94	566.7	388.3	386.5
12-Oct-15	12:04:20	276.8	13.12	0.999	3004.3	17.70	50.07	83.17	99.92	159.6	544.5	40.96	566.8	388.3	386.5
12-Oct-15	12:04:25	277.4	13.31	0.999	3007.6	17.70	50.09	82.40	99.92	159.6	544.6	40.99	566.9	388.4	386.5
12-Oct-15	12:04:30	277.9	13.51	0.999	3006.5	17.70	50.07	81.69	99.92	159.6	544.7	41.00	566.9	388.4	386.5
12-Oct-15	12:04:35	277.7	13.71	0.999	3003.7	17.70	50.06	81.41	99.94	159.6	544.8	41.01	567.0	388.4	386.5
12-Oct-15	12:04:40	277.6	13.91	0.999	3003.6	17.70	50.05	82.13	99.94	159.6	544.8	41.02	567.0	388.4	386.5
12-Oct-15	12:04:45	278.3	14.11	0.999	3000.1	17.70	50.04	81.43	99.94	159.6	544.7	41.02	567.0	388.4	386.5
12-Oct-15	12:04:50	277.3	13.06	0.999	3002.6	17.70	50.00	81.90	99.94	159.6	544.7	41.03	567.0	388.4	386.5
12-Oct-15	12:04:55	276.8													

Angamos Power Plant Unit#1

Date Time		Gross Power	Reactive Power	Power Factor	Speed	Voltage Generator	Frequency Generator	HP Valve Position	IP Valve Position	HP steam Pressure	HP steam Temperature	IP steam Pressure	HP steam Temperature	Outlet Boiler Temperature A	Outlet Boiler Temperature B
		MW	Mvar	-	rpm	kV	Hz	%	%	bar(a)	°C	bar(a)	°C	°C	°C
12-Oct-15	12:08:50	277.3	11.74	0.999	3010.8	17.69	50.09	83.27	99.95	160.5	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:08:55	278.7	11.73	0.999	2999.8	17.69	50.06	82.08	99.95	160.5	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:00	278.2	11.71	0.999	3000.0	17.69	50.05	82.81	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:05	277.7	11.69	0.999	3001.3	17.69	50.05	83.25	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:10	277.5	11.67	0.999	3001.2	17.69	50.06	83.52	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:15	278.2	11.65	0.999	3001.0	17.69	50.07	83.79	99.95	160.6	543.2	41.13	565.7	388.2	386.5
12-Oct-15	12:09:20	277.3	11.63	0.999	3006.9	17.70	50.08	84.06	99.95	160.6	543.2	41.14	565.7	388.2	386.5
12-Oct-15	12:09:25	277.4	11.62	0.999	3011.2	17.70	50.09	84.13	99.95	160.6	543.0	41.16	565.7	388.2	386.5
12-Oct-15	12:09:30	278.1	11.62	0.999	3006.8	17.70	50.08	83.45	99.94	160.6	542.9	41.18	565.7	388.2	386.5
12-Oct-15	12:09:35	278.4	11.62	0.999	3003.1	17.70	50.06	83.48	99.94	160.6	542.8	41.19	565.7	388.2	386.5
12-Oct-15	12:09:40	277.8	11.62	0.999	3005.7	17.70	50.04	83.99	99.93	160.6	542.7	41.19	565.7	388.2	386.5
12-Oct-15	12:09:45	278.3	11.62	0.999	3003.7	17.70	50.04	83.35	99.93	160.6	542.7	41.20	565.7	388.2	386.5
12-Oct-15	12:09:50	277.7	11.27	0.999	3006.4	17.69	50.07	84.12	99.94	160.6	542.7	41.20	565.7	388.2	386.5
12-Oct-15	12:09:55	277.3	10.85	0.999	3010.4	17.69	50.10	84.53	99.94	160.6	542.7	41.21	565.7	388.2	386.5
12-Oct-15	12:10:00	278.5	10.43	0.999	3008.0	17.68	50.13	84.02	99.94	160.6	542.6	41.21	565.7	388.2	386.5
12-Oct-15	12:10:05	278.7	10.01	0.999	3003.9	17.68	50.08	83.63	99.94	160.6	542.6	41.22	565.7	388.2	386.5
12-Oct-15	12:10:10	278.8	9.62	0.999	3003.5	17.68	50.00	83.34	99.94	160.6	542.6	41.22	565.7	388.2	386.5
12-Oct-15	12:10:15	276.8	10.75	0.999	3008.7	17.67	50.05	85.77	99.94	160.6	542.5	41.23	565.7	388.2	386.5
12-Oct-15	12:10:20	277.2	11.70	0.999	3007.4	17.67	50.09	85.12	99.94	160.6	542.5	41.23	565.7	388.2	386.5
12-Oct-15	12:10:25	278.2	12.04	0.999	3003.5	17.66	50.06	84.95	99.95	160.6	542.5	41.24	565.7	388.2	386.5
12-Oct-15	12:10:30	277.8	12.38	0.999	3003.2	17.66	50.05	85.38	99.95	160.6	542.4	41.25	565.7	388.2	386.5
12-Oct-15	12:10:35	277.3	12.72	0.999	3007.5	17.66	50.07	85.81	99.95	160.6	542.4	41.26	565.7	388.2	386.5
12-Oct-15	12:10:40	276.7	13.06	0.999	3010.8	17.66	50.09	86.57	99.95	160.6	542.4	41.27	565.7	388.2	386.5
12-Oct-15	12:10:45	277.4	13.40	0.999	3008.0	17.66	50.14	86.11	99.95	160.6	542.4	41.28	565.7	388.2	386.5
12-Oct-15	12:10:50	277.8	13.19	0.999	3006.9	17.66	50.13	85.44	99.95	160.6	542.4	41.28	565.7	388.2	386.5
12-Oct-15	12:10:55	277.2	12.65	0.999	3004.3	17.66	50.12	85.83	99.95	160.6	542.4	41.28	565.7	388.2	386.5
12-Oct-15	12:11:00	277.7	12.11	0.999	3003.5	17.66	50.10	85.83	99.95	160.4	542.4	41.28	565.7	388.3	386.5
12-Oct-15	12:11:05	277.7	11.57	0.999	3003.5	17.66	50.11	85.83	99.95	160.4	542.4	41.27	565.7	388.3	386.5
12-Oct-15	12:11:10	276.8	11.99	0.999	3004.1	17.66	50.13	86.63	99.95	160.3	542.4	41.26	565.7	388.3	386.5
12-Oct-15	12:11:15	276.8	12.63	0.999	3008.1	17.66	50.14	87.01	99.95	160.3	542.4	41.25	565.7	388.2	386.5
12-Oct-15	12:11:20	277.5	13.27	0.999	3006.9	17.66	50.15	87.16	99.95	160.3	542.4	41.24	565.7	388.3	386.5
12-Oct-15	12:11:25	277.3	13.51	0.999	3008.1	17.66	50.15	87.32	99.94	160.2	542.3	41.23	565.7	388.3	386.5
12-Oct-15	12:11:30	277.2	11.65	0.999	3006.6	17.70	50.12	87.47	99.94	160.2	542.3	41.22	565.7	388.2	386.5
12-Oct-15	12:11:35	277.7	11.85	0.999	3003.7	17.70	50.09	87.63	99.94	160.1	542.3	41.21	565.7	388.3	386.5
12-Oct-15	12:11:40	277.0	12.05	0.999	3003.7	17.70	50.06	87.78	99.94	160.0	542.3	41.19	565.7	388.3	386.5
12-Oct-15	12:11:45	275.9	12.25	0.999	3010.6	17.70	50.09	87.94	99.93	160.0	542.3	41.18	565.7	388.3	386.5
12-Oct-15	12:11:50	276.3	12.45	0.999	3010.9	17.70	50.15	88.00	99.93	160.0	542.2	41.18	565.7	388.3	386.6
12-Oct-15	12:11:55	276.6	12.65	0.999	3010.3	17.70	50.14	88.04	99.93	159.9	542.2	41.17	565.6	388.3	386.5
12-Oct-15	12:12:00	276.3	12.85	0.999	3009.7	17.70	50.13	88.07	99.92	159.9	542.1	41.17	565.6	388.3	386.5
12-Oct-15	12:12:05	276.0	13.05	0.999	3009.0	17.70	50.12	88.11	99.92	159.9	542.1	41.16	565.6	388.3	386.5
12-Oct-15	12:12:10	275.5	13.25	0.999	3008.4	17.70	50.11	88.11	99.91	159.8	542.0	41.16	565.6	388.3	386.5
12-Oct-15	12:12:15	277.0	13.45	0.999	3007.8	17.70	50.11	87.59	99.91	159.8	542.0	41.15	565.6	388.3	386.6
12-Oct-15	12:12:20	277.3	13.65	0.999	3007.2	17.70	50.10	87.70	99.90	159.7	541.9	41.15	565.6	388.3	386.6
12-Oct-15	12:12:25	276.5	12.50	0.999	3001.0	17.70	50.06	88.21	99.90	159.7	541.9	41.14	565.6	388.3	386.6
12-Oct-15	12:12:30	275.9	12.01	0.999	3009.0	17.70	50.08	89.38	99.90	159.7	541.8	41.14	565.6	388.3	386.5
12-Oct-15	12:12:35	276.7	12.84	0.999	3005.1	17.70	50.11	88.67	99.89	159.6	541.8	41.13	565.6	388.3	386.5
12-Oct-15	12:12:40	276.3	13.64	0.999	3007.5	17.70	50.12	88.93	99.89	159.6	541.7	41.13	565.6	388.3	386.5
12-Oct-15	12:12:45	276.0	13.64	0.999	3006.9	17.70	50.13	89.44	99.89	159.5	541.7	41.13	565.6	388.3	386.5
12-Oct-15	12:12:50	275.8	13.64	0.999	3009.3	17.70	50.15	89.36	99.89	159.5	541.7	41.12	565.6	388.3	386.5
12-Oct-15	12:12:55	276.2	13.64	0.999	3010.3	17.70	50.13	88.87	99.90	159.5	541.7	41.12	565.6	388.3	386.5
12-Oct-15	12:13:00	276.6	13.64	0.999	3006.5	17.70	50.10	88.65	99.91	159.4	541.7	41.11	565.6	388.3	386.5
12-Oct-15	12:13:05	276.4	13.64	0.999	3001.9	17.70	50.10	88.97	99.91	159.4	541.7	41.11	565.5	388.3	386.5
12-Oct-15	12:13:10	276.3	12.81	0.999	2999.2	17.70	50.02	89.29	99.92	159.3	541.7	41.10	565.5	388.3	386.5
12-Oct-15	12:13:15	276.1	11.80	0.999	3004.8	17.70	50.01	89.62	99.93	159.3	541.6	41.10	565.5	388.3	386.5
12-Oct-15	12:13:20	275.6	11.80	0.999	3007.7	17.70	50.08	89.98	99.94	159.2	541.6	41.09	565.5	388.3	386.5
12-Oct-15	12:13:25	275.8	12.03	0.999	3008.4	17.70	50.10	89.70	99.95	159.2	541.6	41.09	565.5	388.3	386.5
12-Oct-15	12:13:30	276.3	12.25	0.999	3009.1	17.70	50.13	89.55	99.95	159.1	541.6	41.09	565.5	388.3	386.5
12-Oct-15	12:13:35	276.8	12.48	0.999	3007.7	17.70	50.12	89.19	99.96	159.1	541.6	41.08	565.5	388.3	386.5
12-Oct-15	12:13:40	276.1	12.70	0.999	3008.0	17.70	50.12	89.62	99.97	159.0	541.6	41.07	565.5	388.3	386.5
12-Oct-15	12:13:45	275.8	12.93	0.999	3008.3	17.70	50.13	89.66	99.97	159.0	541.6	41.05	565.5	388.3	386.5
12-Oct-15	12:13:50	275.6	13.16	0.999	3008.6	17.70	50.14	89.70	99.97	159.0	541.6	41.04	565.5	388.3	386.5
12-Oct-15	12:13:55	275.5	13.38	0.999	3010.1	17.70	50.14	89.73	99.97	159.0	541.6	41.03	565.5	388.3	386.5
12-Oct-15	12:14:00	276.4	13.61	0.999	3007.9	17.70	50.13	89.20	99.97	159.0	541.6	41.01	565.5	388.3	386.5
12-Oct-15	12:14:05	276.7	13.72	0.999	3003.4	17.70	50.09	88.71	99.97	159.0	541.6	41.00	565.5	388.3	386.5
12-Oct-15	12:14:10	276.2	11.72	0.999	3003.0	17.70	50.05	89.55	99.97	159.0	541.6	40.99	565.5	388.3	386.5
12-Oct-15	12:14:15	276.0	11.72	0.999	3001.9	17.70	50.06	89.53	99.97	159.0	541.6	40.98	565.5	388.3	386.5
12-Oct-15	12:14:20	275.6	11.72	0.999	3003.7	17.70	50.07	89.68	99.97	159.0	541.6	40.98	565.5	388.3	386.5
12-Oct-15	12:14:25	275.3	11.72	0.999	3008.1	17.70	50.09	89.68	99.97	158.9	541.7	40.97	565.5	388.3	386.5
12-Oct-15	12:14:30	275.6	11.72	0.999	3009.4	17.70	50.13	89.46	99.97	158.8	541.8	40.96	565.5	388.3	386.5
12-Oct-15	12:14:35	276.1	11.72	0.999	3007.6	17.70	50.15	88.95	99.97	158.8	541.9	40.95	565.5	388.3	386.5
12-Oct-15	12:14:40	276.1	11.72	0.999	3007.5	17.70	50.15	89.10	99.98	158.7	542.0	40.94	5		

Angamos Power Plant Unit#1

Date		Gross Power	Reactive Power	Power Factor	Speed	Voltage Generator	Frequency Generator	HP Valve Position	IP Valve Position	HP steam Pressure	HP steam Temperature	IP steam Pressure	HP steam Temperature	Outlet Boiler Temperature A	Outlet Boiler Temperature B
Time	MW	Mvar	-	rpm	kV	Hz	%	%	bar(a)	°C	bar(a)	°C	°C	°C	°C
12-Oct-15	12:18:40	277.5	13.39	0.999	3007.9	17.70	50.11	82.60	99.90	159.1	543.4	40.91	567.6	388.4	386.6
12-Oct-15	12:18:45	277.6	13.44	0.999	3008.6	17.70	50.09	82.91	99.90	159.1	543.4	40.91	567.6	388.4	386.6
12-Oct-15	12:18:50	277.1	13.49	0.999	3010.2	17.70	50.10	83.29	99.90	159.2	543.4	40.91	567.6	388.5	386.6
12-Oct-15	12:18:55	276.8	13.54	0.999	3009.3	17.70	50.12	83.41	99.90	159.3	543.4	40.92	567.6	388.5	386.6
12-Oct-15	12:19:00	277.0	13.59	0.999	3010.6	17.70	50.13	82.93	99.90	159.4	543.4	40.93	567.6	388.5	386.6
12-Oct-15	12:19:05	276.8	13.64	0.999	3015.5	17.70	50.14	83.18	99.90	159.4	543.4	40.94	567.6	388.5	386.6
12-Oct-15	12:19:10	277.5	13.70	0.999	3011.0	17.70	50.14	82.66	99.90	159.5	543.4	40.95	567.6	388.5	386.6
12-Oct-15	12:19:15	277.0	13.75	0.999	3010.0	17.70	50.14	82.67	99.90	159.5	543.4	40.96	567.6	388.5	386.6
12-Oct-15	12:19:20	277.1	13.80	0.999	3009.1	17.70	50.14	82.97	99.90	159.6	543.4	40.96	567.7	388.5	386.6
12-Oct-15	12:19:25	277.8	13.85	0.999	3008.1	17.70	50.14	82.49	99.90	159.7	543.6	40.97	567.9	388.5	386.6
12-Oct-15	12:19:30	277.6	13.75	0.999	3009.7	17.70	50.14	82.38	99.91	159.7	543.8	40.98	567.9	388.5	386.6
12-Oct-15	12:19:35	277.5	13.13	0.999	3007.9	17.70	50.14	82.13	99.93	159.8	543.9	40.99	567.9	388.5	386.6
12-Oct-15	12:19:40	277.4	12.51	0.999	3007.9	17.70	50.14	81.88	99.94	159.8	544.1	41.00	567.9	388.5	386.6
12-Oct-15	12:19:45	277.4	11.91	0.999	3011.5	17.70	50.14	81.62	99.95	159.8	544.1	41.01	568.0	388.5	386.6
12-Oct-15	12:19:50	278.5	13.88	0.999	3010.5	17.70	50.14	81.62	99.95	159.8	544.1	41.01	568.0	388.5	386.6
12-Oct-15	12:19:55	277.4	13.52	0.999	3010.8	17.70	50.15	82.41	99.94	159.9	544.1	41.02	568.0	388.5	386.6
12-Oct-15	12:20:00	277.7	13.16	0.999	3008.4	17.70	50.16	82.14	99.94	159.9	544.1	41.02	568.0	388.5	386.7
12-Oct-15	12:20:05	277.6	12.79	0.999	3011.2	17.70	50.17	81.81	99.94	159.9	544.2	41.02	568.0	388.5	386.7
12-Oct-15	12:20:10	277.4	12.43	0.999	3010.9	17.70	50.18	81.99	99.94	159.9	544.2	41.03	568.0	388.5	386.7
12-Oct-15	12:20:15	277.1	12.07	0.999	3013.7	17.70	50.19	82.04	99.94	159.9	544.2	41.03	568.0	388.6	386.7
12-Oct-15	12:20:20	277.5	13.17	0.999	3012.1	17.70	50.19	81.66	99.94	159.9	544.2	41.03	568.0	388.6	386.7
12-Oct-15	12:20:25	278.0	13.92	0.999	3009.5	17.70	50.17	81.64	99.94	159.9	544.2	41.04	568.1	388.6	386.7
12-Oct-15	12:20:30	277.6	13.93	0.999	3011.4	17.70	50.15	82.10	99.94	159.9	544.2	41.04	568.1	388.6	386.7
12-Oct-15	12:20:35	277.1	13.95	0.999	3011.4	17.70	50.14	82.05	99.94	159.9	544.2	41.04	568.1	388.6	386.7
12-Oct-15	12:20:40	277.7	13.96	0.999	3011.4	17.70	50.14	82.75	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:20:45	277.2	13.97	0.999	3011.4	17.70	50.14	82.25	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:20:50	277.9	13.98	0.999	3011.4	17.70	50.14	81.38	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:20:55	277.3	14.00	0.999	3011.4	17.70	50.14	82.05	99.94	159.9	544.3	41.05	568.1	388.6	386.7
12-Oct-15	12:21:00	277.4	14.01	0.999	3011.4	17.70	50.14	82.24	99.94	159.9	544.3	41.05	568.0	388.6	386.7
12-Oct-15	12:21:05	278.0	14.02	0.999	3011.4	17.70	50.14	81.54	99.94	160.0	544.2	41.06	568.0	388.6	386.7
12-Oct-15	12:21:10	277.4	14.03	0.999	3011.2	17.70	50.14	81.74	99.94	160.0	544.1	41.07	567.9	388.6	386.7
12-Oct-15	12:21:15	277.9	14.05	0.999	3010.2	17.70	50.14	81.72	99.95	160.0	544.1	41.08	567.9	388.6	386.7
12-Oct-15	12:21:20	277.5	14.06	0.999	3009.1	17.70	50.14	81.81	99.96	160.0	544.0	41.09	567.8	388.6	386.7
12-Oct-15	12:21:25	277.7	14.06	0.999	3008.1	17.70	50.14	82.08	99.96	160.1	544.0	41.10	567.8	388.6	386.7
12-Oct-15	12:21:30	277.7	12.84	0.999	3009.1	17.70	50.14	82.35	99.97	160.1	543.9	41.10	567.7	388.6	386.7
12-Oct-15	12:21:35	277.2	12.82	0.999	3009.2	17.70	50.14	82.27	99.98	160.1	543.9	41.11	567.7	388.6	386.7
12-Oct-15	12:21:40	277.6	13.81	0.999	3007.9	17.70	50.14	81.89	99.99	160.1	543.8	41.11	567.6	388.6	386.7
12-Oct-15	12:21:45	277.4	13.45	0.999	3007.6	17.70	50.14	82.05	99.98	160.1	543.8	41.11	567.6	388.6	386.7
12-Oct-15	12:21:50	277.5	13.09	0.999	3007.8	17.70	50.14	82.07	99.98	160.1	543.8	41.12	567.5	388.6	386.7
12-Oct-15	12:21:55	277.6	12.73	0.999	3008.3	17.70	50.14	81.85	99.97	160.1	543.8	41.12	567.5	388.6	386.7
12-Oct-15	12:22:00	277.7	12.77	0.999	3003.6	17.70	50.14	81.91	99.96	160.1	543.8	41.12	567.4	388.6	386.7
12-Oct-15	12:22:05	276.7	12.10	0.999	3008.8	17.70	50.13	82.40	99.95	160.1	543.8	41.12	567.4	388.6	386.7
12-Oct-15	12:22:10	277.9	13.86	0.999	3008.4	17.70	50.13	81.76	99.95	160.1	543.8	41.13	567.4	388.6	386.7
12-Oct-15	12:22:15	277.3	13.50	0.999	3010.2	17.70	50.13	82.35	99.94	160.1	543.8	41.13	567.3	388.6	386.7
12-Oct-15	12:22:20	277.4	13.14	0.999	3010.4	17.70	50.13	82.26	99.93	160.1	543.8	41.13	567.3	388.6	386.7
12-Oct-15	12:22:25	277.7	12.79	0.999	3006.4	17.70	50.13	81.91	99.92	160.1	543.8	41.14	567.2	388.6	386.7
12-Oct-15	12:22:30	277.9	12.43	0.999	3007.8	17.70	50.12	81.65	99.92	160.1	543.8	41.14	567.2	388.7	386.6
12-Oct-15	12:22:35	277.4	12.33	0.999	3011.2	17.70	50.13	82.60	99.91	160.1	543.8	41.14	567.2	388.7	386.6
12-Oct-15	12:22:40	277.3	13.18	0.999	3011.1	17.70	50.15	82.60	99.90	160.1	543.4	41.14	567.2	388.7	386.6
12-Oct-15	12:22:45	277.3	12.20	0.999	3009.3	17.70	50.16	82.60	99.90	160.1	543.1	41.15	567.1	388.7	386.6
12-Oct-15	12:22:50	277.5	12.20	0.999	3010.9	17.70	50.17	82.45	99.90	160.1	543.1	41.15	567.1	388.7	386.7
12-Oct-15	12:22:55	277.3	12.20	0.999	3012.7	17.70	50.18	82.11	99.91	160.1	543.0	41.16	567.0	388.7	386.7
12-Oct-15	12:23:00	277.8	12.20	0.999	3007.8	17.70	50.18	81.77	99.92	160.1	543.0	41.16	567.0	388.7	386.6
12-Oct-15	12:23:05	277.5	12.20	0.999	3011.1	17.70	50.18	82.04	99.93	160.1	542.9	41.17	566.9	388.7	386.6
12-Oct-15	12:23:10	277.8	13.10	0.999	3008.4	17.70	50.15	82.05	99.94	160.1	542.9	41.18	566.9	388.7	386.6
12-Oct-15	12:23:15	278.2	14.16	0.999	3005.8	17.70	50.13	82.25	99.95	160.1	542.8	41.18	566.8	388.7	386.6
12-Oct-15	12:23:20	277.8	13.83	0.999	3011.1	17.70	50.14	82.74	99.96	160.1	542.8	41.19	566.7	388.7	386.6
12-Oct-15	12:23:25	277.8	13.81	0.999	3010.4	17.70	50.14	82.89	99.97	160.2	542.7	41.19	566.7	388.7	386.6
12-Oct-15	12:23:30	277.7	13.19	0.999	3010.9	17.70	50.15	83.04	99.98	160.2	542.7	41.19	566.7	388.7	386.6
12-Oct-15	12:23:35	277.9	12.87	0.999	3011.2	17.70	50.16	83.19	99.99	160.2	542.6	41.19	566.7	388.7	386.6
12-Oct-15	12:23:40	277.2	12.55	0.999	3011.4	17.70	50.17	83.34	100.0	160.2	542.6	41.19	566.7	388.7	386.6
12-Oct-15	12:23:45	277.0	12.24	0.999	3010.8	17.70	50.18	83.46	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:23:50	277.7	12.56	0.999	3010.1	17.70	50.15	83.13	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:23:55	277.5	12.88	0.999	3008.0	17.70	50.13	83.37	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:00	277.3	13.20	0.999	3003.9	17.70	50.13	83.61	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:05	276.9	13.52	0.999	3007.9	17.70	50.15	83.73	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:10	277.2	13.84	0.999	3008.1	17.70	50.17	83.73	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:15	277.7	14.15	0.999	3009.6	17.70	50.17	83.73	100.0	160.2	542.5	41.19	566.7	388.7	386.6
12-Oct-15	12:24:20	277.3	14.15	0.999	3007.6	17.70	50.17	83.73	100.0	160.2	542.6	41.19	566.6	388.7	386.6
12-Oct-15	12:24:25	277.4	14.15	0.999	3007.6	17.70	50.17	83.73	100.0	160.2	542.6	41.20	566.5	388.7	386.6
12-Oct-15	12:24:30	277.6	14.15	0.999	3008.8	17.70	50.17	84.09	99.99	160.2	542.6	41.2			



Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power MVar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:28:30	276.0	13.24	0.999	3005.9	17.70	50.09	87.76	99.93	159.2	541.1	40.98	565.1	388.7	386.6
12-Oct-15	12:28:35	275.9	13.20	0.999	3008.2	17.70	50.10	87.73	99.93	159.2	541.1	40.97	565.1	388.7	386.6
12-Oct-15	12:28:40	276.2	13.59	0.999	3010.2	17.70	50.14	87.44	99.93	159.2	541.1	40.96	565.1	388.7	386.6
12-Oct-15	12:28:45	276.6	13.97	0.999	3006.8	17.70	50.12	87.15	99.93	159.1	541.1	40.95	565.1	388.8	386.6
12-Oct-15	12:28:50	277.0	14.36	0.999	3001.4	17.70	50.08	87.04	99.93	159.1	541.1	40.94	565.1	388.8	386.6
12-Oct-15	12:28:55	276.3	14.74	0.999	3000.9	17.70	50.04	87.15	99.93	159.0	541.1	40.93	565.1	388.8	386.6
12-Oct-15	12:29:00	276.3	14.99	0.999	2999.7	17.70	50.03	87.21	99.93	159.0	541.1	40.91	565.1	388.8	386.6
12-Oct-15	12:29:05	276.5	14.78	0.999	2999.9	17.70	50.02	87.46	99.93	159.0	541.1	40.90	565.1	388.8	386.6
12-Oct-15	12:29:10	275.9	14.57	0.999	3000.0	17.70	50.02	87.40	99.93	159.0	541.1	40.90	565.1	388.8	386.5
12-Oct-15	12:29:15	276.6	14.36	0.999	3000.2	17.70	50.01	87.07	99.93	159.0	541.1	40.90	565.1	388.7	386.5
12-Oct-15	12:29:20	276.1	14.14	0.999	3000.7	17.70	50.00	87.56	99.93	159.0	541.1	40.90	565.2	388.7	386.5
12-Oct-15	12:29:25	276.2	13.93	0.999	2998.7	17.70	49.99	87.56	99.93	158.9	541.1	40.90	565.3	388.7	386.5
12-Oct-15	12:29:30	276.2	13.72	0.999	2998.3	17.70	49.99	87.40	99.94	158.9	541.2	40.89	565.4	388.7	386.5
12-Oct-15	12:29:35	276.0	13.51	0.999	2998.6	17.70	49.99	87.42	99.94	158.8	541.2	40.89	565.4	388.8	386.5
12-Oct-15	12:29:40	275.6	13.30	0.999	2999.2	17.70	49.99	87.90	99.95	158.8	541.3	40.89	565.5	388.7	386.5
12-Oct-15	12:29:45	275.3	13.09	0.999	3003.0	17.70	49.99	87.92	99.95	158.8	541.3	40.89	565.5	388.7	386.5
12-Oct-15	12:29:50	275.7	13.93	0.999	3006.7	17.70	50.05	87.54	99.95	158.8	541.3	40.89	565.6	388.8	386.5
12-Oct-15	12:29:55	276.2	14.94	0.999	3005.7	17.70	50.06	87.09	99.95	158.8	541.4	40.89	565.6	388.8	386.5
12-Oct-15	12:30:00	276.5	13.97	0.999	3001.5	17.70	50.07	86.62	99.94	158.8	541.4	40.89	565.6	388.7	386.5
12-Oct-15	12:30:05	275.4	13.01	0.999	3004.7	17.70	50.09	87.87	99.94	158.8	541.4	40.89	565.7	388.7	386.5
12-Oct-15	12:30:10	275.3	12.76	0.998	3008.1	17.70	50.10	87.67	99.94	158.8	541.5	40.89	565.7	388.8	386.5
12-Oct-15	12:30:15	276.3	12.50	0.999	3008.3	17.70	50.09	87.21	99.93	158.8	541.5	40.89	565.8	388.8	386.5
12-Oct-15	12:30:20	276.6	12.24	0.999	3004.2	17.70	50.07	86.61	99.93	158.9	541.5	40.89	565.8	388.7	386.5
12-Oct-15	12:30:25	276.4	11.98	0.999	2999.9	17.70	50.05	86.92	99.92	158.9	541.6	40.89	565.9	388.7	386.5
12-Oct-15	12:30:30	276.2	11.72	0.999	2999.9	17.70	50.06	87.22	99.92	158.9	541.6	40.89	565.9	388.8	386.5
12-Oct-15	12:30:35	276.1	11.46	0.999	3000.0	17.70	50.07	87.05	99.92	158.9	541.6	40.89	565.9	388.8	386.5
12-Oct-15	12:30:40	276.3	11.20	0.999	3001.0	17.70	50.09	87.30	99.91	158.9	541.6	40.89	565.9	388.8	386.5
12-Oct-15	12:30:45	276.6	11.85	0.999	3005.0	17.70	50.10	87.80	99.91	158.9	541.7	40.89	565.9	388.8	386.5
12-Oct-15	12:30:50	276.5	12.98	0.999	3006.4	17.70	50.11	86.77	99.91	158.9	541.7	40.89	565.9	388.8	386.5
12-Oct-15	12:30:55	276.2	11.69	0.999	3007.8	17.70	50.13	87.12	99.91	158.9	541.7	40.89	565.9	388.8	386.5
12-Oct-15	12:31:00	275.9	11.30	0.999	3010.7	17.70	50.14	87.56	99.91	158.9	541.7	40.89	566.0	388.8	386.5
12-Oct-15	12:31:05	276.3	12.11	0.999	3010.0	17.70	50.15	87.64	99.91	158.9	541.8	40.90	566.1	388.8	386.5
12-Oct-15	12:31:10	276.6	12.87	0.999	3007.9	17.70	50.15	86.61	99.91	158.9	541.9	40.90	566.2	388.8	386.5
12-Oct-15	12:31:15	276.7	11.95	0.999	3003.9	17.70	50.15	87.08	99.91	158.9	542.0	40.91	566.4	388.8	386.5
12-Oct-15	12:31:20	276.0	11.03	0.999	3008.1	17.70	50.15	87.54	99.92	159.0	542.1	40.92	566.5	388.8	386.6
12-Oct-15	12:31:25	276.1	10.87	0.999	3015.3	17.70	50.15	87.16	99.92	159.0	542.2	40.92	566.6	388.8	386.5
12-Oct-15	12:31:30	277.3	12.82	0.999	3006.6	17.70	50.13	86.21	99.92	159.0	542.3	40.93	566.8	388.8	386.5
12-Oct-15	12:31:35	276.6	12.78	0.999	3007.2	17.70	50.10	86.52	99.92	159.0	542.4	40.94	566.8	388.8	386.6
12-Oct-15	12:31:40	276.4	12.74	0.999	3007.1	17.70	50.12	86.30	99.93	159.0	542.6	40.94	566.9	388.8	386.6
12-Oct-15	12:31:45	276.2	12.70	0.999	3011.1	17.70	50.14	86.09	99.93	159.0	542.6	40.95	567.0	388.9	386.6
12-Oct-15	12:31:50	276.6	12.66	0.999	3010.5	17.70	50.15	85.87	99.93	159.0	542.6	40.95	567.0	388.9	386.6
12-Oct-15	12:31:55	276.8	12.63	0.999	3008.6	17.70	50.13	85.69	99.93	159.0	542.6	40.95	567.1	388.9	386.6
12-Oct-15	12:32:00	277.1	12.59	0.999	3009.7	17.70	50.12	85.53	99.94	159.0	542.6	40.95	567.2	388.8	386.6
12-Oct-15	12:32:05	277.2	12.55	0.999	3007.3	17.70	50.11	85.38	99.94	159.0	542.6	40.95	567.3	388.9	386.6
12-Oct-15	12:32:10	277.0	12.51	0.999	3008.2	17.70	50.11	85.31	99.94	159.0	542.6	40.95	567.3	388.9	386.6
12-Oct-15	12:32:15	276.6	12.47	0.999	3011.0	17.70	50.13	85.23	99.94	159.0	542.6	40.95	567.4	388.9	386.6
12-Oct-15	12:32:20	276.7	12.43	0.999	3011.0	17.70	50.15	85.15	99.95	159.0	542.6	40.95	567.5	388.9	386.6
12-Oct-15	12:32:25	277.2	12.40	0.999	3007.7	17.70	50.15	85.09	99.95	159.0	542.6	40.95	567.6	388.9	386.6
12-Oct-15	12:32:30	277.0	12.53	0.999	3010.6	17.70	50.14	85.35	99.95	159.0	542.6	40.95	567.6	388.9	386.6
12-Oct-15	12:32:35	276.8	12.90	0.999	3007.6	17.70	50.13	85.57	99.95	159.0	542.6	40.95	567.6	388.9	386.6
12-Oct-15	12:32:40	277.3	13.27	0.999	3010.7	17.70	50.12	85.09	99.96	159.1	542.8	40.97	567.6	389.0	386.7
12-Oct-15	12:32:45	277.0	13.64	0.999	3008.6	17.70	50.12	85.09	99.96	159.2	543.1	41.00	567.7	388.9	386.7
12-Oct-15	12:32:50	277.5	14.01	0.999	3006.0	17.70	50.11	84.64	99.96	159.2	543.1	41.00	567.7	389.0	386.7
12-Oct-15	12:32:55	277.5	14.32	0.999	3001.2	17.70	50.10	84.33	99.96	159.2	543.1	41.01	567.8	389.0	386.7
12-Oct-15	12:33:00	276.9	12.45	0.999	3006.6	17.70	50.07	84.95	99.96	159.2	543.1	41.01	567.8	389.0	386.7
12-Oct-15	12:33:05	275.9	12.20	0.999	3015.5	17.70	50.10	85.25	99.96	159.2	543.0	41.01	567.8	389.0	386.7
12-Oct-15	12:33:10	277.1	11.60	0.999	3011.1	17.70	50.15	84.58	99.95	159.2	543.0	41.01	567.9	389.0	386.7
12-Oct-15	12:33:15	276.8	10.88	0.999	3008.3	17.70	50.14	84.66	99.95	159.2	543.0	41.01	568.0	389.0	386.7
12-Oct-15	12:33:20	276.6	10.20	0.999	3014.9	17.69	50.13	85.01	99.95	159.3	543.0	41.01	568.0	389.0	386.7
12-Oct-15	12:33:25	277.1	11.34	0.999	3015.5	17.69	50.12	84.36	99.95	159.3	543.0	41.02	568.0	389.0	386.7
12-Oct-15	12:33:30	278.0	12.46	0.999	3007.3	17.69	50.11	83.29	99.95	159.3	542.9	41.02	568.1	389.0	386.7
12-Oct-15	12:33:35	277.3	13.25	0.999	3004.3	17.69	50.11	83.78	99.95	159.3	542.9	41.02	568.1	389.0	386.7
12-Oct-15	12:33:40	277.0	14.05	0.999	3007.8	17.69	50.12	84.40	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:33:45	277.7	14.37	0.999	3004.4	17.69	50.14	83.47	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:33:50	276.9	13.14	0.999	3007.7	17.69	50.15	84.27	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:33:55	276.9	12.68	0.999	3012.1	17.69	50.16	84.48	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:34:00	277.5	12.68	0.999	3009.1	17.69	50.15	83.83	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:34:05	277.8	12.68	0.999	3008.5	17.70	50.13	83.33	99.95	159.3	542.9	41.02	568.1	389.1	386.7
12-Oct-15	12:34:10	277.6	12.68	0.999	3004.4	17.70	50.12	83.41	99.95	159.3	542.9	41.02	568.1	389.1	386.8
12-Oct-15	12:34:15	277.4	12.68	0.999	3004.9	17.70	50.12	83.72	99.95	159.3	542.9	41.02	568.1	389.1	386.8
12-Oct-15	12:34:20	277.1	12.68	0.999	3011.2	17.70	50.14	84.04	99.95	159.4	542.9	41.03	568.1	389.1	386.8
12-Oct-15	12:														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power MVar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:38:20	277.4	10.43	0.999	3015.3	17.68	50.22	83.69	99.90	160.7	542.7	41.31	567.2	389.4	387.1
12-Oct-15	12:38:25	278.0	10.96	0.999	3013.7	17.69	50.22	83.27	99.90	160.7	542.6	41.31	567.1	389.4	387.1
12-Oct-15	12:38:30	278.4	11.27	0.999	3010.8	17.70	50.21	83.50	99.90	160.7	542.6	41.32	567.1	389.4	387.1
12-Oct-15	12:38:35	278.0	11.54	0.999	3010.9	17.70	50.19	83.73	99.90	160.8	542.6	41.32	567.0	389.4	387.1
12-Oct-15	12:38:40	277.7	11.82	0.999	3012.1	17.70	50.17	83.94	99.90	160.8	542.6	41.33	567.0	389.4	387.1
12-Oct-15	12:38:45	278.3	12.09	0.999	3008.3	17.70	50.15	83.68	99.91	160.8	542.5	41.33	567.0	389.4	387.1
12-Oct-15	12:38:50	278.7	12.36	0.999	3005.1	17.70	50.13	83.69	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:38:55	278.0	12.63	0.999	3010.4	17.70	50.14	84.07	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:00	278.0	12.90	0.999	3014.6	17.70	50.17	84.03	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:05	278.8	13.17	0.999	3009.6	17.70	50.15	83.17	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:10	278.9	13.16	0.999	3007.3	17.70	50.10	83.23	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:15	277.7	12.17	0.999	3011.1	17.70	50.10	84.12	99.91	160.8	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:20	277.6	11.42	0.999	3011.4	17.70	50.15	84.16	99.91	160.7	542.5	41.34	567.0	389.4	387.1
12-Oct-15	12:39:25	278.3	11.42	0.999	3011.4	17.70	50.17	83.23	99.91	160.6	542.4	41.34	566.9	389.4	387.1
12-Oct-15	12:39:30	278.0	11.42	0.999	3010.1	17.70	50.15	83.69	99.91	160.6	542.4	41.34	566.8	389.4	387.1
12-Oct-15	12:39:35	278.3	11.42	0.999	3009.1	17.70	50.13	83.55	99.91	160.6	542.3	41.34	566.7	389.5	387.1
12-Oct-15	12:39:40	277.7	11.42	0.999	3008.4	17.70	50.13	84.04	99.92	160.6	542.2	41.35	566.6	389.5	387.1
12-Oct-15	12:39:45	277.9	11.42	0.999	3008.0	17.70	50.13	83.95	99.92	160.6	542.2	41.35	566.5	389.5	387.1
12-Oct-15	12:39:50	278.5	12.48	0.999	3005.6	17.70	50.14	83.41	99.93	160.6	542.1	41.35	566.5	389.5	387.1
12-Oct-15	12:39:55	278.6	12.98	0.999	3003.6	17.70	50.15	83.59	99.93	160.6	542.1	41.34	566.4	389.5	387.1
12-Oct-15	12:40:00	277.7	11.44	0.999	3009.1	17.70	50.16	84.24	99.93	160.5	542.1	41.34	566.3	389.5	387.1
12-Oct-15	12:40:05	277.9	12.17	0.999	3014.5	17.70	50.17	83.87	99.93	160.5	542.0	41.33	566.3	389.5	387.1
12-Oct-15	12:40:10	278.3	12.91	0.999	3007.8	17.70	50.16	83.50	99.93	160.5	542.0	41.33	566.2	389.5	387.1
12-Oct-15	12:40:15	278.6	13.24	0.999	3006.2	17.70	50.14	83.84	99.94	160.5	541.9	41.32	566.2	389.5	387.1
12-Oct-15	12:40:20	278.1	13.04	0.999	3010.2	17.70	50.13	83.86	99.94	160.5	541.9	41.32	566.1	389.5	387.1
12-Oct-15	12:40:25	278.4	12.84	0.999	3010.5	17.70	50.14	83.95	99.94	160.5	541.8	41.31	566.0	389.5	387.1
12-Oct-15	12:40:30	277.8	12.64	0.999	3007.5	17.70	50.14	84.32	99.94	160.5	541.8	41.31	566.0	389.5	387.1
12-Oct-15	12:40:35	277.6	12.44	0.999	3008.6	17.70	50.14	84.40	99.94	160.5	541.8	41.30	565.9	389.5	387.0
12-Oct-15	12:40:40	277.6	12.24	0.999	3007.9	17.70	50.15	84.47	99.95	160.5	541.7	41.30	565.9	389.5	387.1
12-Oct-15	12:40:45	278.1	12.03	0.999	3010.9	17.70	50.15	84.55	99.95	160.5	541.7	41.30	565.9	389.5	387.0
12-Oct-15	12:40:50	278.4	11.83	0.999	3007.7	17.70	50.16	84.62	99.95	160.5	541.7	41.30	565.9	389.4	387.0
12-Oct-15	12:40:55	278.2	11.63	0.999	3004.7	17.70	50.16	84.70	99.95	160.5	541.7	41.30	565.9	389.4	387.0
12-Oct-15	12:41:00	277.4	11.43	0.999	3007.6	17.70	50.17	84.77	99.95	160.5	541.7	41.30	565.9	389.4	387.0
12-Oct-15	12:41:05	278.0	11.74	0.999	3008.3	17.70	50.17	84.26	99.95	160.5	541.6	41.29	565.9	389.4	387.0
12-Oct-15	12:41:10	277.7	12.16	0.999	3009.1	17.70	50.18	84.39	99.95	160.5	541.6	41.28	565.8	389.4	387.0
12-Oct-15	12:41:15	277.9	12.57	0.999	3012.9	17.70	50.18	84.71	99.94	160.5	541.6	41.27	565.8	389.4	387.0
12-Oct-15	12:41:20	277.7	12.99	0.999	3012.4	17.70	50.18	84.30	99.94	160.5	541.6	41.27	565.7	389.4	387.0
12-Oct-15	12:41:25	278.2	13.41	0.999	3004.8	17.70	50.18	84.49	99.93	160.5	541.6	41.26	565.7	389.4	387.0
12-Oct-15	12:41:30	277.8	15.32	0.999	3007.1	17.70	50.13	84.71	99.92	160.5	541.5	41.25	565.6	389.4	387.0
12-Oct-15	12:41:35	277.5	14.47	0.999	3010.5	17.70	50.15	84.90	99.92	160.5	541.5	41.25	565.6	389.4	387.0
12-Oct-15	12:41:40	277.7	13.62	0.999	3013.8	17.70	50.17	84.71	99.91	160.5	541.5	41.24	565.5	389.4	387.0
12-Oct-15	12:41:45	278.0	13.69	0.999	3008.6	17.70	50.17	84.55	99.91	160.5	541.5	41.24	565.5	389.4	387.0
12-Oct-15	12:41:50	277.5	13.94	0.999	3013.1	17.70	50.16	85.18	99.91	160.4	541.5	41.24	565.5	389.4	387.0
12-Oct-15	12:41:55	278.0	14.20	0.999	3014.3	17.70	50.15	84.75	99.91	160.4	541.5	41.23	565.4	389.4	387.0
12-Oct-15	12:42:00	278.0	14.45	0.999	3011.9	17.70	50.14	85.01	99.92	160.4	541.5	41.23	565.4	389.4	387.0
12-Oct-15	12:42:05	277.7	14.71	0.999	3013.0	17.70	50.13	85.27	99.93	160.4	541.5	41.23	565.4	389.4	387.0
12-Oct-15	12:42:10	277.6	14.96	0.999	3014.3	17.70	50.18	85.27	99.94	160.4	541.5	41.22	565.3	389.4	387.0
12-Oct-15	12:42:15	277.6	15.22	0.999	3013.2	17.70	50.18	84.65	99.95	160.4	541.5	41.22	565.3	389.4	387.0
12-Oct-15	12:42:20	278.5	15.47	0.999	3010.8	17.70	50.18	84.59	99.95	160.4	541.5	41.22	565.3	389.4	387.0
12-Oct-15	12:42:25	277.6	13.41	0.999	3009.4	17.70	50.18	85.26	99.96	160.4	541.5	41.21	565.2	389.4	387.0
12-Oct-15	12:42:30	277.7	13.41	0.999	3008.1	17.70	50.18	85.42	99.97	160.4	541.5	41.21	565.2	389.4	387.0
12-Oct-15	12:42:35	277.4	13.41	0.999	3015.3	17.70	50.18	85.42	99.98	160.4	541.5	41.21	565.2	389.4	387.0
12-Oct-15	12:42:40	277.6	13.41	0.999	3015.1	17.70	50.18	85.42	99.98	160.4	541.4	41.21	565.2	389.4	387.0
12-Oct-15	12:42:45	277.5	13.41	0.999	3015.3	17.70	50.18	85.42	99.99	160.3	541.3	41.19	565.2	389.4	387.0
12-Oct-15	12:42:50	277.9	13.41	0.999	3011.3	17.70	50.18	84.54	99.99	160.2	541.2	41.17	565.2	389.4	387.0
12-Oct-15	12:42:55	277.3	13.41	0.999	3008.3	17.70	50.18	85.12	99.98	160.2	541.2	41.15	565.2	389.4	387.0
12-Oct-15	12:43:00	277.5	13.41	0.999	3013.0	17.70	50.18	85.14	99.97	160.1	541.2	41.14	565.2	389.4	387.0
12-Oct-15	12:43:05	278.1	13.41	0.999	3011.3	17.70	50.18	84.47	99.96	160.2	541.2	41.13	565.2	389.4	387.0
12-Oct-15	12:43:10	277.2	13.52	0.999	3008.2	17.70	50.15	85.14	99.96	160.1	541.1	41.12	565.1	389.4	387.0
12-Oct-15	12:43:15	277.0	13.66	0.999	3010.1	17.70	50.15	85.50	99.95	160.1	541.1	41.11	565.1	389.4	387.0
12-Oct-15	12:43:20	277.3	13.79	0.999	3009.5	17.69	50.15	85.62	99.94	160.1	541.1	41.11	565.1	389.4	387.0
12-Oct-15	12:43:25	277.5	13.83	0.999	3009.9	17.69	50.15	85.74	99.93	160.0	541.1	41.10	565.1	389.4	387.0
12-Oct-15	12:43:30	276.8	13.75	0.999	3008.1	17.69	50.16	85.85	99.92	160.0	541.1	41.10	565.1	389.4	387.0
12-Oct-15	12:43:35	276.9	13.67	0.999	3010.2	17.69	50.16	85.97	99.91	160.0	541.1	41.10	565.1	389.4	387.0
12-Oct-15	12:43:40	277.2	13.58	0.999	3007.9	17.69	50.16	85.51	99.90	160.0	541.0	41.10	565.1	389.4	387.0
12-Oct-15	12:43:45	277.0	13.50	0.999	3009.1	17.69	50.17	85.79	99.89	160.0	541.0	41.10	565.1	389.4	387.0
12-Oct-15	12:43:50	276.4	13.42	0.999	3008.6	17.69	50.17	86.05	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:43:55	277.0	13.33	0.999	3009.4	17.69	50.17	85.84	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:44:00	277.1	13.25	0.999	3009.8	17.69	50.18	85.63	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:44:05	276.8	13.16	0.999	3014.6	17.69	50.18	85.88	99.88	160.0	541.0	41.09	565.1	389.4	387.0
12-Oct-15	12:44:10	277.2	13.08	0.999	3009.0	17.69	50.18	85.65	99.88	160.0	541.0	41.08	565.1	389.3	387.0
12-Oct-15	12:														

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	12:48:10	275.7	14.20	0.999	3006.6	17.70	50.11	86.56	99.94	158.3	542.1	40.76	566.1	389.0	386.6
12-Oct-15	12:48:15	275.4	14.67	0.999	3007.5	17.70	50.09	86.36	99.94	158.3	542.2	40.76	566.2	389.0	386.6
12-Oct-15	12:48:20	275.6	14.46	0.999	3004.2	17.70	50.09	86.17	99.93	158.3	542.3	40.77	566.3	389.1	386.6
12-Oct-15	12:48:25	275.8	14.25	0.999	3004.1	17.70	50.10	85.98	99.93	158.2	542.4	40.79	566.3	389.1	386.6
12-Oct-15	12:48:30	275.9	14.04	0.999	3007.2	17.70	50.10	85.78	99.93	158.2	542.5	40.80	566.4	389.0	386.6
12-Oct-15	12:48:35	276.0	13.83	0.999	3004.5	17.70	50.11	85.69	99.92	158.2	542.6	40.79	566.5	389.0	386.6
12-Oct-15	12:48:40	276.1	13.63	0.999	3006.6	17.69	50.11	85.60	99.92	158.2	542.6	40.78	566.5	389.0	386.6
12-Oct-15	12:48:45	275.5	13.42	0.999	3007.2	17.68	50.12	85.48	99.92	158.2	542.7	40.77	566.5	389.1	386.6
12-Oct-15	12:48:50	275.5	13.21	0.999	3007.5	17.67	50.12	85.31	99.92	158.3	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:48:55	275.3	13.00	0.999	3006.5	17.66	50.13	85.19	99.92	158.3	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:00	275.0	12.79	0.999	3010.7	17.65	50.14	85.09	99.92	158.3	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:05	275.4	13.10	0.999	3008.0	17.64	50.15	85.05	99.92	158.3	542.8	40.76	566.5	389.0	386.6
12-Oct-15	12:49:10	275.7	13.72	0.999	3011.2	17.63	50.17	85.30	99.92	158.4	542.8	40.76	566.5	389.0	386.6
12-Oct-15	12:49:15	275.4	14.33	0.999	3014.9	17.63	50.19	84.89	99.92	158.4	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:20	276.7	14.94	0.999	3007.0	17.62	50.15	84.44	99.92	158.4	542.8	40.76	566.5	389.1	386.6
12-Oct-15	12:49:25	276.9	13.82	0.999	2996.8	17.61	50.05	83.92	99.92	158.4	542.9	40.77	566.8	389.0	386.6
12-Oct-15	12:49:30	276.3	12.79	0.999	2996.3	17.60	50.04	84.53	99.92	158.5	543.1	40.78	567.0	389.1	386.6
12-Oct-15	12:49:35	275.5	12.24	0.999	3006.3	17.60	50.06	84.89	99.94	158.5	543.2	40.79	567.3	389.1	386.6
12-Oct-15	12:49:40	275.8	11.69	0.999	3003.5	17.60	50.07	84.45	99.96	158.5	543.3	40.80	567.3	389.1	386.6
12-Oct-15	12:49:45	276.3	11.16	0.999	3003.6	17.60	50.07	84.05	99.98	158.6	543.4	40.81	567.4	389.1	386.6
12-Oct-15	12:49:50	276.4	11.20	0.999	3006.3	17.61	50.08	84.40	100.00	158.6	543.5	40.82	567.4	389.1	386.6
12-Oct-15	12:49:55	276.5	11.25	0.999	3005.1	17.61	50.10	84.09	100.00	158.7	543.6	40.83	567.5	389.1	386.6
12-Oct-15	12:50:00	276.6	11.29	0.999	3006.7	17.62	50.11	83.77	99.99	158.7	543.6	40.83	567.6	389.1	386.6
12-Oct-15	12:50:05	276.5	11.34	0.999	3009.1	17.62	50.12	83.57	99.98	158.8	543.7	40.84	567.6	389.1	386.6
12-Oct-15	12:50:10	276.3	11.39	0.999	3011.0	17.62	50.11	83.38	99.98	158.9	543.7	40.85	567.7	389.1	386.6
12-Oct-15	12:50:15	277.2	11.44	0.999	3004.3	17.63	50.09	83.18	99.97	159.0	543.7	40.87	567.7	389.1	386.6
12-Oct-15	12:50:20	277.6	11.48	0.999	2999.9	17.63	50.07	83.17	99.97	159.1	543.8	40.88	567.8	389.1	386.6
12-Oct-15	12:50:25	277.5	11.53	1.000	3001.6	17.64	50.02	83.66	99.96	159.2	543.8	40.90	567.9	389.1	386.6
12-Oct-15	12:50:30	277.0	11.58	1.000	3003.2	17.64	50.04	84.02	99.96	159.3	543.9	40.91	567.9	389.1	386.7
12-Oct-15	12:50:35	277.3	11.63	1.000	3007.1	17.64	50.06	83.51	99.95	159.3	543.9	40.94	568.0	389.1	386.7
12-Oct-15	12:50:40	276.9	11.67	1.000	3007.5	17.64	50.05	83.10	99.94	159.4	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:50:45	277.8	11.72	1.000	3001.9	17.64	50.04	82.84	99.94	159.5	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:50:50	277.6	11.72	1.000	2999.7	17.64	50.02	82.69	99.93	159.6	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:50:55	277.5	11.72	1.000	2999.8	17.64	50.03	82.73	99.93	159.6	544.0	40.96	568.0	389.1	386.7
12-Oct-15	12:51:00	277.4	11.72	1.000	3000.4	17.64	50.05	83.02	99.93	159.6	544.1	41.01	568.0	389.1	386.7
12-Oct-15	12:51:05	277.0	11.72	1.000	3006.9	17.64	50.06	83.57	99.93	159.6	544.1	41.01	568.1	389.1	386.7
12-Oct-15	12:51:10	278.3	11.72	1.000	2999.9	17.64	50.04	82.21	99.93	159.7	544.2	41.02	568.3	389.2	386.7
12-Oct-15	12:51:15	277.8	11.72	1.000	3000.4	17.64	50.01	81.97	99.94	159.7	544.3	41.03	568.4	389.2	386.7
12-Oct-15	12:51:20	277.5	11.72	1.000	3001.9	17.64	50.01	82.04	99.94	159.7	544.3	41.03	568.5	389.2	386.7
12-Oct-15	12:51:25	277.8	11.72	1.000	2998.7	17.64	50.01	81.80	99.95	159.8	544.4	41.04	568.7	389.2	386.7
12-Oct-15	12:51:30	278.3	11.69	1.000	2998.5	17.63	49.97	81.83	99.95	159.8	544.5	41.04	568.7	389.2	386.7
12-Oct-15	12:51:35	277.1	12.11	1.000	3002.0	17.64	49.99	82.93	99.96	159.8	544.5	41.05	568.9	389.2	386.8
12-Oct-15	12:51:40	277.4	12.32	1.000	3001.3	17.64	50.01	82.58	99.96	159.9	544.6	41.06	568.9	389.2	386.8
12-Oct-15	12:51:45	277.2	12.52	1.000	3003.9	17.64	50.03	82.46	99.97	159.9	544.6	41.06	569.0	389.2	386.8
12-Oct-15	12:51:50	277.3	12.52	0.999	3007.4	17.65	50.06	82.56	99.97	159.9	544.7	41.07	569.0	389.2	386.8
12-Oct-15	12:51:55	277.0	12.51	1.000	3007.5	17.65	50.05	82.63	99.97	159.9	544.7	41.07	569.0	389.2	386.8
12-Oct-15	12:52:00	278.0	12.51	1.000	3003.3	17.65	50.03	81.97	99.97	160.0	544.7	41.08	569.0	389.2	386.8
12-Oct-15	12:52:05	277.8	12.51	1.000	3000.9	17.65	50.01	81.85	99.97	160.0	544.7	41.09	569.0	389.3	386.8
12-Oct-15	12:52:10	278.0	12.50	1.000	2998.5	17.66	49.99	81.86	99.97	160.0	544.7	41.09	569.0	389.3	386.8
12-Oct-15	12:52:15	278.1	12.50	1.000	2995.9	17.66	49.95	81.86	99.97	160.0	544.7	41.10	569.0	389.3	386.9
12-Oct-15	12:52:20	277.6	12.50	1.000	2998.3	17.66	49.92	82.22	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:25	277.0	12.50	1.000	3002.8	17.67	49.96	82.82	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:30	277.1	12.49	1.000	3007.5	17.67	50.02	82.46	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:35	277.5	12.49	0.999	3005.7	17.67	50.06	82.10	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:40	278.1	12.49	0.999	2999.5	17.67	50.03	81.44	99.97	160.0	544.7	41.11	569.0	389.3	386.9
12-Oct-15	12:52:45	277.7	12.48	0.999	2994.7	17.67	49.93	81.44	99.97	160.0	544.7	41.12	568.9	389.3	386.9
12-Oct-15	12:52:50	277.1	13.21	0.999	2995.2	17.67	49.94	82.66	99.92	160.1	544.7	41.14	568.9	389.3	386.9
12-Oct-15	12:52:55	277.9	13.21	0.999	3001.4	17.67	49.96	82.27	99.92	160.1	544.7	41.15	568.9	389.3	386.9
12-Oct-15	12:53:00	277.6	14.41	0.999	3000.9	17.67	49.97	82.22	99.92	160.1	544.7	41.16	568.8	389.3	386.9
12-Oct-15	12:53:05	277.9	14.41	0.999	2997.6	17.67	49.97	82.46	99.92	160.2	544.7	41.16	568.7	389.3	387.0
12-Oct-15	12:53:10	277.3	14.04	0.999	2999.9	17.67	49.99	82.60	99.92	160.2	544.7	41.17	568.7	389.3	387.0
12-Oct-15	12:53:15	277.3	13.60	0.999	3000.1	17.67	50.01	82.32	99.92	160.2	544.7	41.18	568.6	389.3	386.9
12-Oct-15	12:53:20	278.0	13.16	0.999	2996.6	17.66	49.98	81.74	99.92	160.2	544.7	41.18	568.6	389.3	387.0
12-Oct-15	12:53:25	278.1	12.71	0.999	2993.3	17.66	49.94	81.68	99.92	160.2	544.7	41.19	568.5	389.3	387.0
12-Oct-15	12:53:30	277.9	12.50	0.999	2993.8	17.66	49.92	82.27	99.92	160.2	544.7	41.19	568.4	389.3	387.0
12-Oct-15	12:53:35	277.5	13.03	0.999	2994.4	17.66	49.94	82.88	99.92	160.2	544.7	41.20	568.4	389.3	387.0
12-Oct-15	12:53:40	277.6	13.57	0.999	2997.6	17.66	49.95	82.65	99.92	160.2	544.7	41.20	568.4	389.3	387.0
12-Oct-15	12:53:45	277.3	14.10	0.999	3002.9	17.66	49.96	82.73	99.92	160.2	544.7	41.21	568.4	389.3	387.0
12-Oct-15	12:53:50	277.9	14.30	0.999	2999.3	17.66	49.96	82.32	99.92	160.2	544.7	41.21	568.4	389.3	387.0
12-Oct-15	12:53:55	277.7	14.30	0.999	2998.1	17.66	49.95	82.31	99.92	160.3	544.7	41.21	568.4	389.3	387.0
12-Oct-15	12:54:00	277.9	14.30	0.999	2998.1	17.66	49.94	82.37	99.92	160.3	544.7	41.21	568.4	389.3	387.0
12-Oct-15	1														

Angamos Power Plant Unit#1

Date		Gross Power	Reactive Power	Power Factor	Speed	Voltage Generator	Frequency Generator	HP Valve Position	IP Valve Position	HP steam Pressure	HP steam Temperature	IP steam Pressure	HP steam Temperature	Outlet Boiler Temperature A	Outlet Boiler Temperature B
Time	MW	Mvar	-	rpm	kV	Hz	%	%	bar(a)	°C	bar(a)	°C	°C	°C	
12-Oct-15	12:58:00	276.9	11.38	0.999	2997.9	17.67	49.96	82.77	99.98	160.3	544.1	41.15	565.6	389.3	387.0
12-Oct-15	12:58:05	278.0	11.38	0.999	2994.7	17.67	49.96	82.13	99.98	160.3	544.1	41.14	565.6	389.3	387.0
12-Oct-15	12:58:10	278.0	11.67	0.999	2987.8	17.67	49.88	81.77	99.98	160.3	544.1	41.13	565.6	389.3	387.0
12-Oct-15	12:58:15	277.0	12.01	0.999	2991.7	17.67	49.88	83.02	99.98	160.3	544.1	41.12	565.6	389.3	387.0
12-Oct-15	12:58:20	277.1	12.35	0.999	2994.3	17.67	49.91	82.47	99.98	160.3	544.1	41.11	565.6	389.3	387.0
12-Oct-15	12:58:25	277.5	12.69	0.999	2994.0	17.67	49.92	82.64	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:30	277.0	13.03	0.999	2995.6	17.67	49.93	83.21	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:35	277.2	13.24	0.999	2995.5	17.67	49.94	83.04	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:40	277.2	13.02	0.999	2996.5	17.67	49.95	82.88	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:45	277.5	12.79	0.999	2995.5	17.67	49.95	82.72	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:50	277.3	12.57	0.999	2995.6	17.67	49.91	83.00	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:58:55	276.8	12.34	0.999	2998.7	17.67	49.94	83.19	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:00	277.0	12.12	0.999	2999.2	17.67	49.96	83.18	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:05	277.2	11.89	0.999	3002.6	17.67	49.98	83.18	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:10	277.2	11.67	0.999	3001.4	17.67	49.99	83.17	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:15	277.2	11.45	0.999	2999.7	17.67	50.01	83.16	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:20	277.4	11.27	0.999	3002.5	17.67	50.02	83.15	99.98	160.3	544.1	41.10	565.6	389.3	387.0
12-Oct-15	12:59:25	277.2	11.27	0.999	2996.8	17.67	50.03	83.14	99.98	160.3	544.1	41.09	565.6	389.3	387.0
12-Oct-15	12:59:30	277.0	11.27	0.999	2998.2	17.67	50.03	83.29	99.98	160.3	544.1	41.09	565.6	389.3	387.0
12-Oct-15	12:59:35	277.1	11.27	0.999	3001.7	17.67	50.04	83.48	99.97	160.3	544.1	41.09	565.4	389.3	387.0
12-Oct-15	12:59:40	277.2	11.27	0.999	3003.0	17.67	50.05	83.25	99.96	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	12:59:45	277.4	11.27	0.999	3006.9	17.67	50.06	83.02	99.96	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	12:59:50	277.6	11.51	0.999	3003.3	17.67	50.04	82.79	99.95	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	12:59:55	277.4	11.79	0.999	3003.9	17.67	50.03	83.11	99.95	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	13:00:00	277.2	12.07	0.999	3005.1	17.67	50.01	83.56	99.95	160.3	544.2	41.08	565.5	389.3	387.0
12-Oct-15	13:00:05	277.1	12.25	0.999	3006.2	17.67	50.03	83.92	99.95	160.4	544.2	41.08	565.6	389.3	387.0
12-Oct-15	13:00:10	277.2	12.62	0.999	3007.3	17.67	50.05	84.10	99.95	160.4	544.3	41.08	565.6	389.3	387.0
12-Oct-15	13:00:15	277.7	12.90	0.999	3003.2	17.67	50.04	83.20	99.95	160.4	544.3	41.08	565.6	389.3	387.0
12-Oct-15	13:00:20	278.3	13.16	0.999	3002.8	17.67	50.00	82.71	99.96	160.4	544.3	41.08	565.6	389.3	387.0
12-Oct-15	13:00:25	277.5	12.59	0.999	3000.9	17.67	50.00	83.71	99.96	160.4	544.3	41.08	565.7	389.3	387.0
12-Oct-15	13:00:30	277.6	12.02	0.999	3003.2	17.67	50.00	83.72	99.96	160.4	544.4	41.08	565.7	389.3	387.0
12-Oct-15	13:00:35	277.6	11.46	0.999	2997.0	17.67	50.00	83.73	99.96	160.4	544.4	41.08	565.7	389.3	387.0
12-Oct-15	13:00:40	277.4	11.25	0.999	3000.8	17.67	50.00	83.74	99.96	160.4	544.4	41.08	565.7	389.3	387.0
12-Oct-15	13:00:45	277.7	11.25	0.999	2999.2	17.67	49.99	83.75	99.96	160.4	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:00:50	277.4	11.25	0.999	2998.5	17.67	49.99	83.77	99.96	160.4	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:00:55	276.9	11.25	0.999	3000.5	17.67	49.99	83.78	99.96	160.4	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:01:00	277.9	11.25	0.999	2999.8	17.67	49.99	83.17	99.96	160.3	544.5	41.08	565.7	389.3	387.0
12-Oct-15	13:01:05	277.4	11.25	0.999	3003.0	17.67	49.99	83.66	99.96	160.3	544.5	41.08	565.8	389.3	387.0
12-Oct-15	13:01:10	277.7	11.25	0.999	3002.6	17.67	49.98	83.32	99.96	160.3	544.5	41.08	565.8	389.3	387.1
12-Oct-15	13:01:15	277.6	11.25	0.999	3001.2	17.67	49.98	83.06	99.96	160.2	544.5	41.08	565.9	389.3	387.1
12-Oct-15	13:01:20	277.4	11.25	0.999	2998.5	17.67	49.98	83.59	99.96	160.2	544.5	41.08	565.9	389.3	387.1
12-Oct-15	13:01:25	277.3	11.25	0.999	2999.3	17.67	49.98	83.12	99.95	160.2	544.5	41.08	566.0	389.3	387.1
12-Oct-15	13:01:30	277.4	11.61	0.999	2996.4	17.67	49.99	83.14	99.94	160.2	544.5	41.08	566.1	389.3	387.1
12-Oct-15	13:01:35	277.6	12.05	0.999	2999.4	17.67	49.99	82.89	99.94	160.2	544.4	41.08	566.1	389.3	387.1
12-Oct-15	13:01:40	276.6	12.44	0.999	2997.9	17.67	50.00	83.66	99.94	160.2	544.4	41.07	566.1	389.3	387.1
12-Oct-15	13:01:45	277.8	12.79	0.999	2997.2	17.67	50.01	82.61	99.93	160.1	544.4	41.07	566.1	389.3	387.1
12-Oct-15	13:01:50	277.5	13.13	0.999	2997.4	17.68	50.01	82.92	99.93	160.1	544.4	41.06	566.1	389.3	387.1
12-Oct-15	13:01:55	277.3	13.48	0.999	2997.6	17.68	50.02	83.22	99.92	160.1	544.4	41.06	566.1	389.3	387.1
12-Oct-15	13:02:00	277.1	13.82	0.999	2999.9	17.68	50.02	83.52	99.92	160.1	544.4	41.05	566.1	389.3	387.1
12-Oct-15	13:02:05	276.6	14.17	0.999	3003.6	17.68	50.03	83.93	99.92	160.1	544.4	41.05	566.1	389.3	387.1
12-Oct-15	13:02:10	277.3	14.36	0.999	3003.0	17.69	50.02	83.25	99.92	160.1	544.4	41.04	566.1	389.3	387.1
12-Oct-15	13:02:15	277.6	14.36	0.999	3000.1	17.69	50.00	82.71	99.92	160.1	544.4	41.04	566.1	389.3	387.1
12-Oct-15	13:02:20	277.9	14.36	0.999	2999.5	17.69	49.98	82.97	99.92	160.1	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:02:25	276.8	14.36	0.999	2998.6	17.69	49.99	83.38	99.92	160.1	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:02:30	276.8	14.36	0.999	2997.3	17.69	50.00	83.63	99.92	160.1	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:02:35	277.0	14.36	0.999	3000.8	17.70	50.02	83.69	99.92	160.1	544.4	41.03	566.0	389.3	387.1
12-Oct-15	13:02:40	277.1	14.36	0.999	2999.8	17.70	50.03	83.56	99.92	160.1	544.4	41.03	566.0	389.3	387.1
12-Oct-15	13:02:45	276.6	14.36	0.999	2999.8	17.70	50.02	83.69	99.92	160.1	544.3	41.03	566.0	389.3	387.1
12-Oct-15	13:02:50	277.1	14.36	0.999	2999.8	17.70	50.01	83.20	99.94	160.1	544.3	41.03	566.0	389.3	387.1
12-Oct-15	13:02:55	277.3	14.36	0.999	2999.5	17.70	49.99	82.84	99.95	160.1	544.3	41.03	566.1	389.3	387.1
12-Oct-15	13:03:00	277.3	14.36	0.999	2997.1	17.70	49.98	83.31	99.95	160.1	544.3	41.03	566.1	389.3	387.1
12-Oct-15	13:03:05	277.4	14.36	0.999	2996.6	17.70	49.98	83.16	99.95	160.1	544.3	41.03	566.1	389.3	387.1
12-Oct-15	13:03:10	277.2	14.04	0.999	2999.1	17.69	49.97	83.22	99.95	160.0	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:03:15	276.4	14.09	0.999	3000.3	17.69	49.96	83.59	99.95	160.0	544.4	41.03	566.1	389.3	387.1
12-Oct-15	13:03:20	277.1	14.14	0.999	3002.4	17.69	49.95	82.97	99.94	160.0	544.4	41.02	566.1	389.3	387.1
12-Oct-15	13:03:25	277.8	14.19	0.999	2998.5	17.69	49.94	82.97	99.94	159.9	544.5	41.02	566.1	389.3	387.1
12-Oct-15	13:03:30	277.1	14.24	0.999	2999.0	17.69	49.94	83.48	99.94	159.9	544.5	41.01	566.1	389.3	387.1
12-Oct-15	13:03:35	276.6	14.29	0.999	2999.5	17.68	49.96	83.83	99.94	159.9	544.5	41.00	566.1	389.3	387.1
12-Oct-15	13:03:40	276.4	14.34	0.999	3003.4	17.68	49.98	83.97	99.94	159.8	544.6	40.99	566.1	389.3	387.1
12-Oct-15	13:03:45	276.7	14.38	0.999	2999.7	17.68	49.98	83.59	99.94	159.8	544.6	40.99	566.1	389.3	387.1
12-Oct-15	13:03:50	277.2	14.43	0.999	3000.0	17.68	49.96	83.09	99.94	159.7	544.6	40.98	56		

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:07:50	275.9	14.82	0.999	2999.8	17.70	49.96	85.12	99.92	159.5	546.5	40.97	566.7	389.2	387.1
12-Oct-15	13:07:55	276.3	14.82	0.999	3006.6	17.70	50.04	84.83	99.90	159.5	546.7	40.98	566.7	389.2	387.1
12-Oct-15	13:08:00	277.2	14.82	0.999	3001.1	17.70	50.04	84.33	99.90	159.5	546.8	40.99	566.7	389.2	387.1
12-Oct-15	13:08:05	276.3	14.82	0.999	3004.4	17.70	50.04	84.43	99.91	159.5	546.8	40.99	566.7	389.2	387.1
12-Oct-15	13:08:10	276.4	14.92	0.999	3005.1	17.70	50.09	84.35	99.91	159.5	546.8	40.99	566.8	389.2	387.1
12-Oct-15	13:08:15	277.5	15.03	0.999	3002.8	17.70	50.05	83.93	99.91	159.5	546.9	40.99	566.8	389.2	387.1
12-Oct-15	13:08:20	276.9	15.14	0.999	3003.1	17.70	50.03	84.37	99.92	159.5	546.9	40.99	566.8	389.2	387.1
12-Oct-15	13:08:25	276.9	15.25	0.999	3002.0	17.70	50.03	84.34	99.92	159.5	547.0	40.99	566.8	389.2	387.1
12-Oct-15	13:08:30	276.7	15.28	0.999	3002.3	17.70	50.02	84.18	99.92	159.5	547.0	40.99	566.8	389.2	387.1
12-Oct-15	13:08:35	276.9	15.06	0.999	3001.8	17.69	50.01	83.82	99.93	159.5	547.0	40.99	566.9	389.2	387.1
12-Oct-15	13:08:40	276.8	14.85	0.999	3001.2	17.69	50.00	83.73	99.93	159.5	547.1	40.99	566.9	389.2	387.1
12-Oct-15	13:08:45	277.0	14.63	0.999	3000.5	17.69	50.00	83.97	99.93	159.5	547.1	40.99	566.9	389.2	387.1
12-Oct-15	13:08:50	277.1	14.41	0.999	2998.8	17.69	49.99	84.20	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:08:55	276.8	14.20	0.999	2997.1	17.68	49.99	84.44	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:00	276.6	13.98	0.999	3000.5	17.68	50.03	84.43	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:05	277.1	13.76	0.999	3000.2	17.68	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:10	276.8	13.55	0.999	3000.6	17.68	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:15	276.6	13.33	0.999	3000.2	17.68	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:20	276.5	13.07	0.999	2999.9	17.67	50.04	83.58	99.94	159.5	547.2	40.99	566.9	389.2	387.1
12-Oct-15	13:09:25	276.4	12.68	0.999	3005.5	17.67	50.04	83.58	99.94	159.5	547.2	41.00	566.9	389.2	387.1
12-Oct-15	13:09:30	276.8	12.29	0.999	3004.2	17.67	50.04	83.46	99.94	159.6	547.2	41.00	566.9	389.2	387.1
12-Oct-15	13:09:35	277.4	11.91	0.999	3000.6	17.67	50.04	83.19	99.95	159.6	547.1	41.01	566.9	389.2	387.2
12-Oct-15	13:09:40	277.6	11.52	0.999	3002.8	17.67	50.04	82.92	99.95	159.6	547.1	41.01	566.9	389.3	387.1
12-Oct-15	13:09:45	277.4	11.14	0.999	3001.8	17.67	50.04	83.21	99.95	159.7	547.1	41.02	566.9	389.2	387.1
12-Oct-15	13:09:50	277.4	9.28	0.999	3003.0	17.66	50.02	83.05	99.96	159.7	547.1	41.02	567.0	389.2	387.2
12-Oct-15	13:09:55	277.4	9.37	0.999	3001.3	17.66	50.01	82.80	99.96	159.8	547.1	41.03	567.0	389.3	387.2
12-Oct-15	13:10:00	277.8	9.45	0.999	2998.7	17.66	49.99	82.57	99.96	159.8	547.1	41.03	567.1	389.3	387.2
12-Oct-15	13:10:05	277.5	9.54	0.999	2999.3	17.65	49.97	82.45	99.96	159.8	547.2	41.03	567.1	389.3	387.2
12-Oct-15	13:10:10	277.3	9.63	0.999	2998.8	17.65	49.96	82.33	99.95	159.9	547.2	41.04	567.2	389.3	387.2
12-Oct-15	13:10:15	277.8	9.71	0.999	2998.2	17.65	49.94	82.21	99.95	159.9	547.2	41.04	567.2	389.3	387.2
12-Oct-15	13:10:20	277.5	9.80	0.999	2993.5	17.65	49.95	82.09	99.95	159.9	547.3	41.04	567.3	389.3	387.2
12-Oct-15	13:10:25	277.2	9.88	0.999	2998.1	17.64	49.96	81.97	99.94	159.9	547.3	41.05	567.3	389.3	387.2
12-Oct-15	13:10:30	277.4	9.97	0.999	2996.9	17.64	49.97	81.84	99.94	160.0	547.3	41.05	567.3	389.3	387.2
12-Oct-15	13:10:35	277.2	10.05	0.999	3000.1	17.64	49.98	81.72	99.94	160.0	547.4	41.05	567.4	389.3	387.2
12-Oct-15	13:10:40	277.3	10.14	0.999	3000.0	17.64	49.97	81.60	99.94	160.0	547.4	41.05	567.4	389.3	387.2
12-Oct-15	13:10:45	278.5	10.22	0.999	2998.5	17.64	49.95	81.15	99.93	160.0	547.4	41.06	567.4	389.3	387.2
12-Oct-15	13:10:50	277.7	8.10	0.999	2992.6	17.64	49.93	81.29	99.93	160.0	547.5	41.06	567.4	389.3	387.2
12-Oct-15	13:10:55	278.0	7.64	0.999	2994.6	17.64	49.91	81.55	99.93	160.0	547.5	41.06	567.4	389.3	387.3
12-Oct-15	13:11:00	278.0	7.19	0.999	2995.1	17.64	49.89	81.20	99.93	160.0	547.5	41.06	567.4	389.3	387.3
12-Oct-15	13:11:05	277.5	6.73	0.999	2995.6	17.64	49.90	81.68	99.93	160.1	547.5	41.07	567.4	389.3	387.3
12-Oct-15	13:11:10	277.6	6.28	0.999	3002.6	17.64	49.94	82.01	99.94	160.1	547.5	41.07	567.5	389.3	387.3
12-Oct-15	13:11:15	277.3	7.25	0.999	3002.4	17.64	50.01	81.47	99.93	160.1	547.6	41.07	567.5	389.3	387.3
12-Oct-15	13:11:20	277.9	8.20	0.999	2996.9	17.64	50.02	81.02	99.92	160.1	547.6	41.07	567.5	389.3	387.3
12-Oct-15	13:11:25	277.7	8.20	0.999	2998.6	17.64	49.99	80.70	99.92	160.2	547.6	41.08	567.5	389.3	387.3
12-Oct-15	13:11:30	277.8	7.83	0.999	2997.2	17.62	49.97	80.38	99.92	160.2	547.6	41.08	567.6	389.4	387.3
12-Oct-15	13:11:35	278.4	7.39	0.999	2994.0	17.60	49.94	80.11	99.92	160.2	547.7	41.08	567.6	389.4	387.3
12-Oct-15	13:11:40	277.8	6.94	0.999	2992.8	17.60	49.99	80.67	99.92	160.2	547.7	41.08	567.6	389.4	387.3
12-Oct-15	13:11:45	277.6	6.50	0.999	2995.0	17.60	49.89	80.98	99.92	160.2	547.7	41.09	567.6	389.4	387.3
12-Oct-15	13:11:50	277.9	6.91	0.999	2997.0	17.60	49.89	80.63	99.92	160.2	547.7	41.09	567.6	389.4	387.4
12-Oct-15	13:11:55	278.5	8.34	0.999	2988.5	17.60	49.89	80.15	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:00	277.7	7.47	0.999	2992.1	17.60	49.90	80.70	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:05	277.4	6.61	0.999	2997.8	17.60	49.90	81.06	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:10	277.7	8.18	0.999	2995.3	17.60	49.90	80.38	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:15	278.5	8.51	0.999	2989.1	17.60	49.91	79.71	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:20	277.3	8.51	0.999	2992.5	17.60	49.91	80.35	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:25	277.5	8.51	0.999	2995.5	17.60	49.91	80.23	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:30	277.7	8.51	0.999	2998.1	17.60	49.91	80.13	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:35	277.7	8.51	0.999	2994.6	17.60	49.92	80.13	99.92	160.2	547.8	41.09	567.6	389.4	387.4
12-Oct-15	13:12:40	277.7	8.51	0.999	2996.4	17.60	49.92	80.13	99.92	160.3	547.7	41.09	567.2	389.4	387.4
12-Oct-15	13:12:45	277.5	8.51	0.999	2998.7	17.60	49.91	80.13	99.92	160.4	547.6	41.09	567.2	389.4	387.4
12-Oct-15	13:12:50	277.5	8.51	0.999	2998.7	17.60	49.90	80.23	99.92	160.4	547.5	41.09	567.2	389.4	387.4
12-Oct-15	13:12:55	278.0	8.51	0.999	2998.2	17.60	49.89	80.45	99.91	160.5	547.4	41.09	567.1	389.4	387.4
12-Oct-15	13:13:00	278.2	8.51	0.999	2995.7	17.60	49.88	80.67	99.92	160.5	547.4	41.10	567.1	389.4	387.4
12-Oct-15	13:13:05	278.1	8.51	0.999	2992.9	17.60	49.87	80.88	99.92	160.6	547.4	41.11	567.1	389.5	387.4
12-Oct-15	13:13:10	277.8	7.44	0.999	2995.7	17.60	49.89	81.10	99.92	160.6	547.5	41.12	567.1	389.5	387.5
12-Oct-15	13:13:15	277.7	7.10	0.999	2996.9	17.60	49.92	80.70	99.93	160.6	547.5	41.13	567.0	389.5	387.5
12-Oct-15	13:13:20	278.0	7.31	0.999	2999.5	17.60	49.91	80.20	99.93	160.7	547.5	41.14	567.0	389.5	387.5
12-Oct-15	13:13:25	277.9	7.52	0.999	2998.9	17.60	49.91	80.41	99.94	160.7	547.5	41.14	567.0	389.5	387.4
12-Oct-15	13:13:30	278.0	7.73	0.999	2995.4	17.60	49.90	80.62	99.94	160.7	547.5	41.15	566.9	389.5	387.4
12-Oct-15	13:13:35	277.9	7.94	0.999	2995.9	17.60	49.89	80.83	99.94	160.7	547.5	41.16	566.9	389.5	387.5
12-Oct-15	13:13:40	278.2	8.15	0.999	2998.7	17.61	49.88	80.67	99.95	160.8	547.5	41.16	566.9	389.5	387.5
12-Oct-15	13:13:45	278.7	8.35	0.999	2989.										

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power MVar	Power Factor -	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:17:40	277.7	9.56	0.999	2995.7	17.66	49.90	83.40	99.98	160.7	545.9	41.16	565.4	389.5	387.5
12-Oct-15	13:17:45	277.1	9.56	0.999	2997.5	17.66	49.93	83.77	99.98	160.6	545.9	41.15	565.2	389.5	387.5
12-Oct-15	13:17:50	276.8	9.56	0.999	3002.5	17.66	49.98	83.53	99.96	160.6	545.8	41.14	565.2	389.5	387.5
12-Oct-15	13:17:55	277.1	9.56	0.999	3002.9	17.66	50.03	82.98	99.90	160.5	545.7	41.13	565.2	389.5	387.5
12-Oct-15	13:18:00	278.4	9.56	0.999	2996.6	17.66	49.98	81.89	99.89	160.5	545.7	41.12	565.2	389.5	387.5
12-Oct-15	13:18:05	277.7	9.56	0.999	2994.8	17.66	49.94	82.91	99.89	160.4	545.7	41.12	565.1	389.5	387.5
12-Oct-15	13:18:10	277.5	8.84	0.999	2994.8	17.66	49.89	83.28	99.89	160.4	545.8	41.12	565.1	389.5	387.5
12-Oct-15	13:18:15	277.3	8.58	0.999	2992.7	17.65	49.91	83.66	99.89	160.4	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:20	276.7	8.33	0.999	2996.4	17.65	49.92	83.65	99.89	160.3	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:25	277.1	8.07	0.999	2998.7	17.65	49.96	83.42	99.89	160.3	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:30	276.8	7.82	0.999	2999.7	17.64	49.99	83.20	99.89	160.3	545.8	41.11	565.1	389.5	387.5
12-Oct-15	13:18:35	277.1	7.56	0.999	3002.5	17.64	50.03	82.97	99.89	160.3	545.9	41.11	565.1	389.5	387.5
12-Oct-15	13:18:40	278.0	7.31	0.999	2996.7	17.64	50.00	82.75	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:18:45	277.8	7.05	0.999	2995.0	17.63	49.91	83.26	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:18:50	276.8	6.99	0.999	2997.0	17.63	49.90	83.96	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:18:55	277.1	6.97	0.999	2998.2	17.63	49.96	83.90	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:19:00	277.5	6.95	0.999	2999.9	17.62	49.98	83.77	99.88	160.3	545.9	41.11	565.0	389.5	387.5
12-Oct-15	13:19:05	277.5	6.93	0.999	2995.5	17.62	49.99	83.87	99.88	160.3	545.9	41.10	565.0	389.5	387.5
12-Oct-15	13:19:10	276.9	6.91	0.999	2998.4	17.62	50.00	83.97	99.88	160.3	545.9	41.10	565.0	389.5	387.5
12-Oct-15	13:19:15	276.7	6.89	0.999	3001.2	17.61	50.01	84.07	99.88	160.3	545.9	41.10	565.0	389.5	387.5
12-Oct-15	13:19:20	276.6	6.88	0.999	3001.7	17.61	50.02	84.17	99.88	160.2	546.0	41.09	565.0	389.5	387.5
12-Oct-15	13:19:25	276.8	6.86	0.999	3000.5	17.61	50.03	83.93	99.88	160.1	546.0	41.05	565.0	389.5	387.5
12-Oct-15	13:19:30	276.7	6.84	0.999	3007.4	17.60	50.02	84.25	99.88	160.1	546.0	41.05	565.0	389.5	387.5
12-Oct-15	13:19:35	277.3	6.82	0.999	2999.8	17.60	50.00	83.96	99.90	160.1	546.1	41.04	565.0	389.5	387.5
12-Oct-15	13:19:40	277.1	6.80	0.999	2996.9	17.60	49.98	84.27	99.91	160.0	546.1	41.03	565.0	389.5	387.5
12-Oct-15	13:19:45	276.9	6.78	0.999	2999.6	17.60	49.98	84.58	99.92	160.0	546.1	41.02	565.1	389.5	387.5
12-Oct-15	13:19:50	276.4	6.73	0.999	2999.7	17.60	50.01	84.45	99.93	160.0	546.2	41.02	565.1	389.5	387.5
12-Oct-15	13:19:55	277.0	6.67	0.999	2999.8	17.60	50.03	83.85	99.94	160.0	546.2	41.01	565.1	389.5	387.5
12-Oct-15	13:20:00	276.7	6.62	0.998	3000.0	17.60	50.03	84.33	99.95	160.0	546.2	41.00	565.2	389.5	387.5
12-Oct-15	13:20:05	276.8	6.56	0.999	3003.7	17.60	50.03	84.67	99.95	160.0	546.2	41.00	565.2	389.5	387.5
12-Oct-15	13:20:10	277.2	6.51	0.999	3003.1	17.60	50.04	84.13	99.94	160.0	546.3	41.00	565.2	389.5	387.5
12-Oct-15	13:20:15	277.1	6.46	0.999	3003.2	17.60	50.04	83.91	99.94	160.0	546.3	41.00	565.2	389.5	387.5
12-Oct-15	13:20:20	276.5	6.40	0.999	3000.5	17.60	50.04	84.65	99.94	160.0	546.3	41.00	565.3	389.5	387.5
12-Oct-15	13:20:25	276.7	6.35	0.999	3002.9	17.60	50.04	84.77	99.94	160.0	546.3	41.00	565.3	389.5	387.5
12-Oct-15	13:20:30	276.8	6.29	0.999	3001.0	17.60	50.04	84.76	99.94	159.9	546.3	41.00	565.3	389.5	387.5
12-Oct-15	13:20:35	276.5	6.24	0.999	3001.0	17.60	50.04	84.76	99.94	159.9	546.4	41.00	565.4	389.5	387.5
12-Oct-15	13:20:40	276.6	6.19	0.999	3002.6	17.60	50.05	84.85	99.94	159.8	546.4	41.00	565.4	389.5	387.5
12-Oct-15	13:20:45	276.4	6.13	0.999	3004.7	17.60	50.05	85.21	99.94	159.8	546.4	41.00	565.4	389.5	387.5
12-Oct-15	13:20:50	276.8	6.32	0.999	3002.5	17.60	50.05	84.83	99.94	159.8	546.4	41.00	565.4	389.4	387.5
12-Oct-15	13:20:55	278.7	6.66	0.999	3002.9	17.60	50.05	84.76	99.93	159.8	546.4	41.00	565.4	389.4	387.5
12-Oct-15	13:21:00	276.9	6.59	0.999	3006.7	17.60	50.03	84.76	99.93	159.8	546.5	41.01	565.4	389.4	387.5
12-Oct-15	13:21:05	276.7	7.32	0.999	3004.7	17.60	50.02	84.76	99.93	159.7	546.5	41.01	565.4	389.4	387.5
12-Oct-15	13:21:10	276.7	7.65	0.999	2999.7	17.60	50.01	84.84	99.94	159.7	546.6	41.01	565.4	389.4	387.5
12-Oct-15	13:21:15	276.6	7.99	0.999	2996.5	17.60	50.00	85.02	99.94	159.6	546.7	41.01	565.4	389.4	387.5
12-Oct-15	13:21:20	276.4	8.04	0.999	3000.5	17.60	50.00	85.21	99.94	159.6	546.7	41.01	565.4	389.4	387.5
12-Oct-15	13:21:25	276.1	8.04	0.999	3003.2	17.60	50.00	85.44	99.95	159.5	546.8	41.01	565.4	389.4	387.5
12-Oct-15	13:21:30	276.1	6.02	0.999	3001.9	17.60	50.02	85.70	99.95	159.5	546.9	41.00	565.5	389.4	387.5
12-Oct-15	13:21:35	276.3	5.61	0.999	3000.5	17.60	50.05	85.98	99.96	159.5	546.9	41.00	565.5	389.4	387.5
12-Oct-15	13:21:40	276.0	5.20	0.999	3006.2	17.60	50.07	86.26	99.96	159.5	547.0	41.00	565.5	389.4	387.5
12-Oct-15	13:21:45	275.6	4.79	0.999	3008.2	17.60	50.09	86.51	99.96	159.5	547.1	41.00	565.5	389.3	387.5
12-Oct-15	13:21:50	276.0	4.38	0.999	3010.2	17.60	50.15	86.16	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:21:55	276.2	4.40	0.999	3014.0	17.60	50.15	85.81	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:00	276.8	5.83	0.999	3007.8	17.60	50.14	85.49	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:05	276.3	5.06	0.999	3007.4	17.60	50.13	85.97	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:10	275.8	4.26	0.999	3007.7	17.60	50.13	86.47	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:15	276.1	4.69	0.999	3010.7	17.59	50.12	86.06	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:20	276.2	5.12	0.999	3010.5	17.59	50.12	85.68	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:25	276.7	5.84	0.999	3008.2	17.59	50.11	85.37	99.97	159.4	547.2	40.99	565.5	389.3	387.5
12-Oct-15	13:22:30	276.7	5.97	0.999	3004.3	17.59	50.10	85.07	99.97	159.4	547.2	40.99	565.5	389.3	387.4
12-Oct-15	13:22:35	277.2	6.36	0.999	3002.2	17.59	50.07	85.30	99.97	159.4	547.2	40.99	565.5	389.3	387.4
12-Oct-15	13:22:40	275.9	6.68	0.999	3004.4	17.59	50.01	86.18	99.97	159.4	547.3	40.99	565.6	389.3	387.4
12-Oct-15	13:22:45	275.2	7.01	0.999	3011.2	17.59	50.09	86.65	99.97	159.4	547.6	40.97	565.8	389.3	387.4
12-Oct-15	13:22:50	275.2	7.34	0.999	3014.3	17.59	50.16	86.34	99.96	159.3	547.8	40.96	565.9	389.3	387.4
12-Oct-15	13:22:55	276.0	7.67	0.999	3011.3	17.59	50.18	85.81	99.94	159.3	548.0	40.94	565.9	389.3	387.4
12-Oct-15	13:23:00	276.1	8.00	0.999	3014.6	17.59	50.20	85.47	99.93	159.3	548.2	40.94	566.0	389.3	387.4
12-Oct-15	13:23:05	276.9	8.31	0.998	3009.5	17.59	50.16	85.13	99.93	159.3	548.3	40.95	566.0	389.3	387.4
12-Oct-15	13:23:10	276.3	7.48	0.998	3005.5	17.59	50.16	85.93	99.93	159.3	548.4	40.96	566.1	389.3	387.4
12-Oct-15	13:23:15	275.9	6.50	0.999	3010.8	17.60	50.17	86.56	99.93	159.3	548.4	40.96	566.1	389.3	387.4
12-Oct-15	13:23:20	275.9	6.37	0.999	3014.3	17.61	50.18	86.27	99.94	159.3	548.5	40.97	566.2	389.3	387.4
12-Oct-15	13:23:25	276.5	6.40	0.999	3013.8	17.61	50.19	85.89	99.94	159.3	548.6	40.97	566.2	389.3	387.4
12-Oct-15	13:23:30	276.3	6.44	0.999	3013.4	17.62	50.20	85.60	99.94	159.2	548.7	40.98	566.3	389.3	387.4
12-Oct-15	13:23:35	276.2	6.48	0.999	3013.0	17.63	50.21	85.32	99.94</						

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:27:30	277.9	5.53	1.000	3011.7	17.60	50.22	80.60	99.96	159.8	550.3	41.00	567.6	389.4	387.7
12-Oct-15	13:27:35	277.6	5.52	1.000	3011.4	17.60	50.22	80.72	99.96	159.8	550.3	41.00	567.6	389.4	387.7
12-Oct-15	13:27:40	277.3	5.50	1.000	3015.3	17.60	50.22	80.96	99.96	159.8	550.3	41.00	567.5	389.4	387.7
12-Oct-15	13:27:45	277.4	5.50	1.000	3015.3	17.60	50.22	80.80	99.96	159.8	550.2	41.01	567.1	389.4	387.7
12-Oct-15	13:27:50	277.9	5.50	1.000	3011.8	17.60	50.22	80.47	99.96	159.9	550.1	41.01	567.1	389.4	387.7
12-Oct-15	13:27:55	277.5	5.50	1.000	3009.9	17.60	50.22	80.24	99.94	159.9	550.0	41.01	567.1	389.4	387.7
12-Oct-15	13:28:00	277.1	5.50	1.000	3013.0	17.60	50.22	80.01	99.93	159.9	550.0	41.02	567.0	389.4	387.7
12-Oct-15	13:28:05	277.5	5.50	1.000	3012.6	17.60	50.22	79.90	99.93	159.9	550.1	41.02	567.0	389.4	387.8
12-Oct-15	13:28:10	277.1	6.06	1.000	3010.5	17.60	50.17	80.05	99.92	160.0	550.1	41.03	567.0	389.4	387.8
12-Oct-15	13:28:15	276.7	6.73	1.000	3015.7	17.60	50.21	80.04	99.92	160.0	550.1	41.03	567.0	389.4	387.8
12-Oct-15	13:28:20	277.3	7.39	1.000	3012.4	17.60	50.26	79.70	99.92	160.0	550.2	41.03	567.0	389.4	387.8
12-Oct-15	13:28:25	278.0	6.83	1.000	3008.3	17.61	50.21	79.24	99.91	160.0	550.2	41.03	567.0	389.4	387.8
12-Oct-15	13:28:30	277.1	5.64	1.000	3012.4	17.61	50.22	80.29	99.91	160.0	550.3	41.03	566.9	389.4	387.8
12-Oct-15	13:28:35	277.5	6.00	1.000	3016.7	17.61	50.23	79.87	99.91	160.1	550.3	41.03	566.9	389.4	387.8
12-Oct-15	13:28:40	277.8	6.36	0.999	3012.3	17.61	50.24	79.41	99.90	160.1	550.3	41.03	566.9	389.4	387.8
12-Oct-15	13:28:45	277.6	6.73	0.999	3017.1	17.61	50.25	79.32	99.90	160.1	550.4	41.03	566.9	389.4	387.8
12-Oct-15	13:28:50	277.8	7.09	0.999	3018.9	17.61	50.26	79.27	99.90	160.2	550.4	41.03	566.9	389.4	387.8
12-Oct-15	13:28:55	278.0	7.45	0.999	3015.7	17.61	50.26	79.22	99.89	160.2	550.4	41.03	566.9	389.4	387.7
12-Oct-15	13:29:00	278.1	7.45	0.999	3015.0	17.61	50.23	79.37	99.89	160.2	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:05	277.8	6.97	0.999	3014.6	17.61	50.22	79.77	99.89	160.3	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:10	277.6	6.50	0.999	3014.8	17.61	50.24	80.07	99.89	160.4	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:15	277.4	6.03	0.999	3018.1	17.61	50.26	80.35	99.89	160.4	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:20	277.3	5.67	0.999	3019.1	17.61	50.27	80.06	99.89	160.4	550.5	41.03	566.9	389.4	387.7
12-Oct-15	13:29:25	278.2	5.67	0.999	3019.1	17.60	50.27	79.47	99.89	160.4	550.6	41.03	566.9	389.3	387.7
12-Oct-15	13:29:30	278.3	5.67	0.999	3016.7	17.60	50.27	79.17	99.89	160.5	550.6	41.03	566.8	389.3	387.7
12-Oct-15	13:29:35	278.0	5.67	0.999	3015.1	17.60	50.27	79.25	99.90	160.5	550.6	41.03	566.8	389.3	387.7
12-Oct-15	13:29:40	277.8	5.67	0.999	3012.6	17.60	50.27	79.64	99.90	160.5	550.8	41.03	566.8	389.3	387.7
12-Oct-15	13:29:45	277.8	5.67	0.999	3018.8	17.60	50.27	79.46	99.91	160.5	550.9	41.03	566.8	389.3	387.7
12-Oct-15	13:29:50	278.4	5.70	0.999	3014.2	17.60	50.25	79.28	99.91	160.6	550.9	41.03	566.7	389.4	387.7
12-Oct-15	13:29:55	277.9	5.73	0.999	3011.8	17.60	50.23	79.62	99.92	160.6	551.0	41.10	566.7	389.4	387.7
12-Oct-15	13:30:00	277.7	5.76	0.999	3016.2	17.60	50.22	80.00	99.92	160.6	551.0	41.10	566.7	389.4	387.7
12-Oct-15	13:30:05	277.5	5.80	0.999	3019.0	17.60	50.25	80.32	99.92	160.6	551.0	41.10	566.6	389.4	387.7
12-Oct-15	13:30:10	277.7	5.83	0.999	3017.7	17.60	50.26	79.85	99.92	160.6	550.9	41.10	566.6	389.4	387.7
12-Oct-15	13:30:15	278.8	5.86	0.999	3016.3	17.60	50.23	79.10	99.92	160.7	550.9	41.10	566.5	389.4	387.8
12-Oct-15	13:30:20	277.5	5.80	0.999	3018.7	17.60	50.24	79.80	99.92	160.7	550.8	41.10	566.5	389.4	387.8
12-Oct-15	13:30:25	277.8	5.42	0.999	3017.9	17.60	50.26	79.38	99.92	160.7	550.8	41.10	566.5	389.4	387.8
12-Oct-15	13:30:30	277.7	5.04	0.999	3017.7	17.60	50.26	79.20	99.92	160.7	550.7	41.10	566.4	389.4	387.8
12-Oct-15	13:30:35	278.2	4.65	0.999	3011.7	17.60	50.23	79.22	99.92	160.7	550.6	41.10	566.4	389.4	387.8
12-Oct-15	13:30:40	277.9	4.27	0.999	3017.4	17.60	50.23	79.93	99.92	160.8	550.6	41.10	566.4	389.4	387.8
12-Oct-15	13:30:45	277.3	3.89	0.999	3023.0	17.60	50.27	80.27	99.92	160.8	550.5	41.10	566.3	389.4	387.8
12-Oct-15	13:30:50	278.7	5.57	0.999	3018.5	17.60	50.32	79.49	99.92	160.9	550.5	41.10	566.3	389.4	387.8
12-Oct-15	13:30:55	278.3	5.90	0.999	3017.1	17.60	50.28	79.61	99.92	160.8	550.4	41.10	566.3	389.4	387.8
12-Oct-15	13:31:00	277.9	5.90	0.999	3016.9	17.60	50.26	80.23	99.92	160.9	550.4	41.11	566.3	389.4	387.9
12-Oct-15	13:31:05	278.7	5.90	0.999	3014.3	17.60	50.25	79.68	99.92	161.0	550.3	41.15	566.3	389.4	387.9
12-Oct-15	13:31:10	278.6	5.90	0.999	3015.6	17.60	50.23	79.88	99.92	161.1	550.3	41.17	566.3	389.4	387.9
12-Oct-15	13:31:15	278.5	5.90	0.999	3016.9	17.60	50.23	80.21	99.92	161.2	550.2	41.18	566.3	389.4	387.9
12-Oct-15	13:31:20	278.4	5.90	0.999	3018.2	17.60	50.23	80.42	99.92	161.2	550.2	41.20	566.2	389.4	387.9
12-Oct-15	13:31:25	278.3	5.90	0.999	3019.3	17.60	50.23	80.45	99.92	161.2	550.1	41.21	566.2	389.4	387.9
12-Oct-15	13:31:30	278.6	6.02	0.999	3017.1	17.62	50.23	80.40	99.93	161.3	550.1	41.22	566.2	389.4	388.0
12-Oct-15	13:31:35	278.5	6.17	0.999	3013.8	17.64	50.24	80.36	99.93	161.3	550.0	41.23	566.2	389.5	388.0
12-Oct-15	13:31:40	278.5	6.32	0.999	3013.2	17.64	50.24	80.31	99.93	161.3	549.9	41.24	566.2	389.5	388.0
12-Oct-15	13:31:45	278.4	6.47	0.999	3012.9	17.65	50.25	80.26	99.93	161.3	549.9	41.25	566.1	389.5	388.0
12-Oct-15	13:31:50	278.3	6.61	0.999	3018.2	17.65	50.26	80.21	99.93	161.3	549.8	41.26	566.1	389.5	388.0
12-Oct-15	13:31:55	278.5	6.60	0.999	3014.4	17.65	50.26	80.16	99.94	161.3	549.8	41.27	566.1	389.5	388.0
12-Oct-15	13:32:00	279.0	6.60	0.999	3017.8	17.65	50.27	80.30	99.94	161.3	549.7	41.28	566.1	389.5	388.0
12-Oct-15	13:32:05	278.5	6.59	0.999	3018.8	17.65	50.27	80.62	99.94	161.3	549.7	41.29	566.1	389.5	388.0
12-Oct-15	13:32:10	278.8	6.58	0.999	3017.7	17.65	50.28	80.87	99.94	161.3	549.7	41.30	566.1	389.5	388.0
12-Oct-15	13:32:15	279.7	6.57	0.999	3017.8	17.65	50.28	80.31	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:20	279.4	6.56	0.999	3012.4	17.65	50.28	80.52	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:25	278.9	6.55	0.999	3019.0	17.65	50.28	80.85	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:30	279.1	6.55	0.999	3017.9	17.65	50.28	81.01	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:35	278.8	6.54	0.999	3016.0	17.65	50.28	81.17	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:40	278.8	6.53	0.999	3018.8	17.65	50.28	81.11	99.94	161.4	549.7	41.31	566.1	389.5	388.0
12-Oct-15	13:32:45	279.0	6.52	0.999	3014.8	17.65	50.28	80.80	99.94	161.4	549.6	41.31	565.9	389.5	388.0
12-Oct-15	13:32:50	278.7	6.51	0.999	3018.4	17.65	50.28	81.27	99.93	161.3	549.5	41.32	565.9	389.5	388.1
12-Oct-15	13:32:55	278.9	6.51	1.000	3018.1	17.65	50.28	81.14	99.93	161.3	549.3	41.33	565.8	389.5	388.1
12-Oct-15	13:33:00	278.7	6.51	1.000	3015.9	17.65	50.28	81.00	99.92	161.3	549.2	41.33	565.8	389.5	388.1
12-Oct-15	13:33:05	279.3	6.51	1.000	3015.5	17.65	50.28	80.86	99.92	161.3	549.1	41.34	565.7	389.5	388.1
12-Oct-15	13:33:10	279.5	6.76	1.000	3012.4	17.65	50.25	80.76	99.92	161.3	549.0	41.34	565.7	389.5	388.1
12-Oct-15	13:33:15	278.4	7.05	1.000	3017.2	17.65	50.25	81.70	99.93	161.3	549.0	41.34	565.6	389.5	388.1
12-Oct-15	13:33:20	278.3	7.34	1.000	3018.6	17.65	50.24	81.70	99.93	161.3	548.9	41.33	565.6	389.5	388.1
12-Oct-15	13:33:25	279.6	7.63	1.000	3014.8	17.65	50.24	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:37:20	276.1	7.68	1.000	3009.2	17.66	50.14	86.27	99.95	160.0	545.9	41.11	563.7	389.6	388.4
12-Oct-15	13:37:25	277.2	7.54	1.000	3008.5	17.66	50.14	85.44	99.95	160.0	545.9	41.10	563.7	389.6	388.4
12-Oct-15	13:37:30	276.9	6.68	1.000	3007.8	17.66	50.13	86.13	99.95	160.0	545.9	41.09	563.7	389.6	388.4
12-Oct-15	13:37:35	276.7	6.68	1.000	3007.6	17.66	50.13	86.36	99.95	160.0	545.9	41.09	563.7	389.6	388.4
12-Oct-15	13:37:40	276.2	6.68	1.000	3009.7	17.66	50.12	86.59	99.95	160.0	545.9	41.09	563.7	389.5	388.4
12-Oct-15	13:37:45	276.6	6.68	1.000	3007.6	17.66	50.11	85.96	99.95	159.9	545.9	41.06	563.6	389.5	388.4
12-Oct-15	13:37:50	276.9	6.68	1.000	3005.8	17.66	50.11	85.77	99.95	159.8	545.8	41.04	563.5	389.5	388.4
12-Oct-15	13:37:55	276.7	6.68	1.000	3004.8	17.66	50.10	86.07	99.94	159.8	545.8	41.03	563.5	389.5	388.4
12-Oct-15	13:38:00	276.4	6.68	1.000	3004.5	17.66	50.10	86.38	99.93	159.8	545.8	41.03	563.5	389.5	388.4
12-Oct-15	13:38:05	276.1	6.68	1.000	3008.8	17.66	50.10	86.66	99.93	159.7	545.8	41.02	563.6	389.6	388.4
12-Oct-15	13:38:10	276.2	6.88	1.000	3009.9	17.66	50.14	86.46	99.93	159.7	545.8	41.01	563.6	389.6	388.4
12-Oct-15	13:38:15	276.4	7.11	1.000	3009.3	17.66	50.14	86.26	99.94	159.7	545.8	41.01	563.6	389.5	388.4
12-Oct-15	13:38:20	276.9	7.35	1.000	3009.0	17.66	50.13	86.06	99.94	159.7	545.8	41.00	563.6	389.5	388.4
12-Oct-15	13:38:25	277.0	7.58	1.000	3010.0	17.66	50.12	85.86	99.94	159.7	545.8	40.99	563.6	389.5	388.4
12-Oct-15	13:38:30	277.2	7.53	1.000	3001.6	17.66	50.10	85.65	99.94	159.7	545.9	40.99	563.7	389.5	388.3
12-Oct-15	13:38:35	276.9	7.33	1.000	3003.1	17.66	50.05	86.14	99.94	159.6	545.9	40.98	563.7	389.5	388.3
12-Oct-15	13:38:40	276.2	7.12	1.000	3003.5	17.66	50.07	86.85	99.94	159.6	545.9	40.98	563.7	389.5	388.3
12-Oct-15	13:38:45	276.2	6.91	1.000	3004.4	17.66	50.09	87.16	99.94	159.6	545.9	40.97	563.7	389.5	388.3
12-Oct-15	13:38:50	276.4	6.70	1.000	3004.9	17.66	50.10	86.69	99.95	159.6	545.9	40.97	563.7	389.5	388.3
12-Oct-15	13:38:55	276.6	6.50	1.000	3008.2	17.66	50.10	86.69	99.95	159.6	545.9	40.96	563.7	389.5	388.3
12-Oct-15	13:39:00	276.7	6.29	1.000	3004.0	17.66	50.09	86.69	99.95	159.6	545.9	40.95	563.7	389.5	388.3
12-Oct-15	13:39:05	276.3	6.08	1.000	3007.6	17.66	50.09	86.69	99.95	159.6	545.9	40.95	563.7	389.5	388.3
12-Oct-15	13:39:10	276.7	5.88	1.000	3009.9	17.66	50.08	86.69	99.95	159.6	545.9	40.94	563.7	389.5	388.3
12-Oct-15	13:39:15	277.0	6.05	1.000	3004.7	17.65	50.07	86.69	99.95	159.6	545.9	40.94	563.7	389.5	388.3
12-Oct-15	13:39:20	276.7	6.72	1.000	3005.8	17.65	50.07	86.69	99.95	159.6	545.9	40.94	563.8	389.5	388.2
12-Oct-15	13:39:25	276.3	7.38	1.000	3008.2	17.65	50.06	86.69	99.95	159.6	546.0	40.93	563.9	389.5	388.2
12-Oct-15	13:39:30	277.2	7.88	1.000	3007.2	17.65	50.06	85.63	99.95	159.5	546.1	40.93	564.0	389.5	388.2
12-Oct-15	13:39:35	277.4	7.88	1.000	3000.4	17.65	50.05	86.17	99.95	159.5	546.1	40.93	564.1	389.5	388.2
12-Oct-15	13:39:40	276.0	7.88	1.000	3001.0	17.65	50.00	86.63	99.95	159.5	546.2	40.92	564.2	389.5	388.2
12-Oct-15	13:39:45	276.9	7.88	1.000	3000.3	17.65	50.00	85.82	99.95	159.5	546.3	40.92	564.3	389.5	388.2
12-Oct-15	13:39:50	277.1	7.82	1.000	3002.6	17.65	50.02	85.51	99.96	159.5	546.3	40.91	564.4	389.5	388.2
12-Oct-15	13:39:55	276.6	7.75	1.000	3006.1	17.65	50.04	85.36	99.96	159.5	546.4	40.91	564.5	389.5	388.2
12-Oct-15	13:40:00	276.6	7.68	1.000	3005.5	17.65	50.07	85.21	99.96	159.5	546.5	40.90	564.6	389.5	388.2
12-Oct-15	13:40:05	276.9	7.61	1.000	3007.2	17.65	50.10	85.06	99.96	159.4	546.5	40.90	564.7	389.5	388.2
12-Oct-15	13:40:10	277.0	7.54	1.000	2999.7	17.65	50.06	84.91	99.96	159.4	546.5	40.89	564.7	389.5	388.2
12-Oct-15	13:40:15	276.8	7.47	1.000	2999.6	17.65	50.04	85.04	99.96	159.4	546.5	40.89	564.8	389.5	388.2
12-Oct-15	13:40:20	276.8	7.40	1.000	2999.7	17.65	50.02	85.31	99.96	159.4	546.5	40.88	564.9	389.5	388.2
12-Oct-15	13:40:25	277.0	7.33	1.000	3000.2	17.65	50.00	84.80	99.96	159.4	546.5	40.87	565.0	389.5	388.2
12-Oct-15	13:40:30	276.8	7.28	1.000	3000.9	17.65	50.00	84.75	99.96	159.4	546.5	40.86	565.0	389.5	388.1
12-Oct-15	13:40:35	276.5	7.28	1.000	3002.9	17.65	49.99	84.71	99.97	159.3	546.5	40.86	565.1	389.5	388.1
12-Oct-15	13:40:40	276.9	7.28	1.000	3002.2	17.65	49.99	84.66	99.97	159.3	546.5	40.85	565.2	389.5	388.1
12-Oct-15	13:40:45	276.9	7.28	1.000	3001.0	17.65	49.98	84.64	99.97	159.3	546.5	40.84	565.3	389.5	388.1
12-Oct-15	13:40:50	276.7	7.28	1.000	3000.3	17.65	49.98	84.64	99.97	159.3	546.5	40.84	565.3	389.5	388.1
12-Oct-15	13:40:55	276.6	7.28	1.000	3001.4	17.65	49.97	84.64	99.97	159.3	546.5	40.84	565.3	389.5	388.1
12-Oct-15	13:41:00	276.5	7.28	1.000	3002.5	17.65	49.97	84.64	99.97	159.3	546.9	40.84	565.3	389.5	388.1
12-Oct-15	13:41:05	276.4	7.28	1.000	3003.3	17.65	49.96	84.64	99.97	159.3	547.1	40.84	565.4	389.5	388.1
12-Oct-15	13:41:10	276.3	7.28	1.000	3003.3	17.65	49.96	84.43	99.97	159.3	547.2	40.83	565.5	389.5	388.1
12-Oct-15	13:41:15	276.6	7.28	0.999	3003.1	17.65	49.95	83.98	99.96	159.3	547.2	40.83	565.6	389.5	388.1
12-Oct-15	13:41:20	277.6	7.28	0.999	2997.3	17.65	49.95	83.74	99.96	159.3	547.2	40.83	565.7	389.5	388.1
12-Oct-15	13:41:25	277.2	7.28	1.000	2996.6	17.65	49.95	84.19	99.95	159.3	547.3	40.83	565.8	389.5	388.1
12-Oct-15	13:41:30	276.4	6.79	1.000	3002.3	17.65	49.96	84.56	99.95	159.3	547.3	40.82	565.9	389.5	388.1
12-Oct-15	13:41:35	276.7	6.50	1.000	2999.5	17.64	49.97	83.97	99.94	159.2	547.4	40.82	566.0	389.5	388.1
12-Oct-15	13:41:40	276.8	6.20	1.000	2998.3	17.63	49.98	83.47	99.94	159.2	547.4	40.82	566.1	389.5	388.1
12-Oct-15	13:41:45	276.5	5.91	1.000	3001.6	17.63	49.99	83.85	99.93	159.2	547.4	40.82	566.2	389.5	388.1
12-Oct-15	13:41:50	276.2	5.62	1.000	3007.4	17.63	50.04	83.78	99.93	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:41:55	277.1	5.32	1.000	3000.9	17.63	50.03	83.20	99.93	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:00	277.5	5.03	1.000	2999.4	17.63	50.01	82.79	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:05	276.3	4.84	1.000	3002.0	17.63	49.99	82.31	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:10	276.8	4.97	1.000	2999.3	17.63	49.97	82.98	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:15	277.0	4.99	1.000	2998.2	17.63	49.95	82.91	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:20	276.4	5.02	1.000	2997.2	17.63	49.97	83.31	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:25	276.2	5.04	1.000	3000.7	17.63	49.99	83.07	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:30	276.8	5.07	1.000	3000.0	17.63	50.00	82.83	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:35	277.2	5.09	1.000	2996.1	17.63	49.97	83.01	99.92	159.2	547.5	40.81	566.2	389.5	388.1
12-Oct-15	13:42:40	276.5	5.12	1.000	2998.2	17.63	49.97	83.25	99.92	159.2	547.6	40.81	566.4	389.5	388.1
12-Oct-15	13:42:45	276.7	5.14	1.000	2998.7	17.63	49.99	82.90	99.92	159.3	547.7	40.81	567.0	389.5	388.1
12-Oct-15	13:42:50	276.3	5.17	1.000	2998.6	17.63	50.00	83.03	99.92	159.4	547.8	40.81	567.3	389.5	388.1
12-Oct-15	13:42:55	277.1	5.19	1.000	2996.3	17.63	49.98	82.31	99.92	159.4	547.9	40.82	567.4	389.5	388.1
12-Oct-15	13:43:00	276.8	5.22	1.000	2996.6	17.63	49.96	82.36	99.92	159.4	548.0	40.82	567.5	389.5	388.1
12-Oct-15	13:43:05	277.1	5.23	1.000	2992.1	17.63	49.90	82.54	99.93	159.4	548.1	40.83	567.5	389.5	388.0
12-Oct-15	13:43:10	276.4	5.22	1.000	2995.9	17.63	49.93	83.06	99.93	159.5	548.2	40.83	567.6	389.5	388.0
12-Oct-15	13:43:15	276.5	5.21	1.000	2996.8	17.62	49.95	8							



Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:47:10	276.9	6.08	1.000	2986.4	17.63	49.81	81.61	99.95	159.5	550.0	40.89	568.3	389.5	387.9
12-Oct-15	13:47:15	276.3	6.06	1.000	2986.4	17.63	49.81	81.99	99.95	159.5	550.0	40.89	568.3	389.5	387.9
12-Oct-15	13:47:20	275.9	6.05	1.000	2988.9	17.63	49.81	82.14	99.95	159.5	550.0	40.89	568.3	389.5	387.9
12-Oct-15	13:47:25	276.6	6.03	1.000	2988.6	17.63	49.82	81.62	99.95	159.5	550.0	40.88	568.3	389.5	387.9
12-Oct-15	13:47:30	276.7	6.02	1.000	2988.0	17.63	49.83	81.76	99.95	159.5	550.0	40.88	568.3	389.5	387.9
12-Oct-15	13:47:35	276.8	6.02	1.000	2984.4	17.63	49.83	81.89	99.95	159.5	550.0	40.88	568.3	389.5	388.0
12-Oct-15	13:47:40	276.4	6.02	1.000	2987.7	17.63	49.84	82.02	99.95	159.5	550.0	40.89	568.3	389.5	388.0
12-Oct-15	13:47:45	276.5	6.02	1.000	2988.7	17.63	49.85	82.12	99.95	159.6	550.0	40.89	568.3	389.5	388.0
12-Oct-15	13:47:50	276.7	6.02	1.000	2989.5	17.63	49.85	81.75	99.95	159.6	550.0	40.90	568.3	389.5	388.0
12-Oct-15	13:47:55	277.1	6.02	1.000	2986.5	17.63	49.80	81.28	99.94	159.7	549.9	40.91	568.3	389.5	388.0
12-Oct-15	13:48:00	276.4	6.02	1.000	2990.2	17.63	49.82	82.31	99.93	159.7	549.9	40.92	568.3	389.5	388.0
12-Oct-15	13:48:05	276.1	6.02	1.000	2994.3	17.63	49.85	82.45	99.92	159.8	549.9	40.92	568.3	389.5	388.0
12-Oct-15	13:48:10	276.6	6.04	1.000	2995.6	17.63	49.89	81.88	99.93	159.8	549.9	40.93	568.3	389.5	388.0
12-Oct-15	13:48:15	277.4	6.06	1.000	2990.2	17.63	49.86	81.62	99.93	159.8	549.9	40.94	568.2	389.5	388.0
12-Oct-15	13:48:20	276.7	6.08	1.000	2993.7	17.63	49.88	82.55	99.93	159.8	549.9	40.95	568.2	389.5	388.0
12-Oct-15	13:48:25	277.1	6.10	1.000	2996.0	17.63	49.91	82.10	99.93	159.9	549.9	40.95	568.2	389.5	388.0
12-Oct-15	13:48:30	277.5	6.11	1.000	2989.4	17.63	49.87	81.68	99.93	159.9	549.9	40.96	568.2	389.5	388.0
12-Oct-15	13:48:35	277.6	6.12	1.000	2987.9	17.63	49.84	81.85	99.93	159.9	549.8	40.97	568.2	389.5	388.0
12-Oct-15	13:48:40	277.1	6.13	1.000	2987.7	17.63	49.82	82.42	99.94	160.0	549.8	40.97	568.2	389.5	388.0
12-Oct-15	13:48:45	276.7	6.14	1.000	2992.8	17.63	49.87	82.44	99.94	160.0	549.8	40.98	568.2	389.5	388.0
12-Oct-15	13:48:50	276.7	6.14	1.000	2999.2	17.63	49.91	82.17	99.94	160.1	549.8	40.99	568.2	389.5	388.0
12-Oct-15	13:48:55	277.1	6.15	1.000	2998.8	17.63	49.95	81.90	99.94	160.1	549.8	41.00	568.2	389.5	388.0
12-Oct-15	13:49:00	277.7	6.16	1.000	2995.7	17.63	49.92	81.59	99.94	160.1	549.8	41.01	568.2	389.5	388.0
12-Oct-15	13:49:05	277.7	6.16	1.000	2992.3	17.63	49.89	81.45	99.95	160.1	549.8	41.02	568.2	389.5	388.0
12-Oct-15	13:49:10	277.3	6.17	1.000	2990.5	17.63	49.86	81.57	99.95	160.1	549.8	41.03	568.2	389.5	388.0
12-Oct-15	13:49:15	277.2	6.18	1.000	2989.0	17.63	49.87	81.57	99.95	160.1	549.8	41.03	568.2	389.5	388.0
12-Oct-15	13:49:20	277.1	6.19	1.000	2991.4	17.63	49.88	81.57	99.95	160.2	549.8	41.04	568.2	389.5	388.1
12-Oct-15	13:49:25	277.0	6.19	1.000	2994.4	17.63	49.88	81.57	99.95	160.2	549.8	41.04	568.2	389.5	388.1
12-Oct-15	13:49:30	277.1	6.20	1.000	2995.6	17.63	49.89	82.50	99.94	160.2	549.8	41.05	568.2	389.5	388.1
12-Oct-15	13:49:35	276.9	6.20	1.000	2993.8	17.63	49.90	82.44	99.94	160.2	549.7	41.05	568.2	389.5	388.1
12-Oct-15	13:49:40	276.4	6.20	1.000	2993.8	17.63	49.90	82.82	99.93	160.2	549.7	41.06	568.2	389.5	388.1
12-Oct-15	13:49:45	276.4	6.20	1.000	2999.4	17.63	49.91	82.64	99.93	160.2	549.7	41.06	568.2	389.5	388.1
12-Oct-15	13:49:50	277.5	6.53	1.000	2994.7	17.63	49.89	82.60	99.92	160.2	549.7	41.07	568.1	389.5	388.1
12-Oct-15	13:49:55	277.1	6.93	1.000	2995.0	17.63	49.87	82.99	99.91	160.2	549.6	41.07	568.1	389.5	388.0
12-Oct-15	13:50:00	277.0	7.33	1.000	2994.4	17.63	49.87	83.36	99.90	160.2	549.6	41.08	568.0	389.5	388.1
12-Oct-15	13:50:05	276.5	7.73	1.000	2998.6	17.63	49.90	83.68	99.91	160.2	549.6	41.08	568.0	389.5	388.1
12-Oct-15	13:50:10	277.3	8.11	1.000	2995.6	17.63	49.89	82.77	99.91	160.3	549.6	41.09	568.0	389.5	388.1
12-Oct-15	13:50:15	277.5	8.15	1.000	2991.7	17.63	49.87	82.93	99.91	160.3	549.6	41.11	567.9	389.5	388.0
12-Oct-15	13:50:20	277.2	8.18	1.000	2993.7	17.63	49.87	83.17	99.91	160.4	549.6	41.12	567.9	389.5	388.0
12-Oct-15	13:50:25	277.3	8.22	1.000	2995.5	17.63	49.88	83.42	99.91	160.4	549.6	41.14	567.8	389.5	388.0
12-Oct-15	13:50:30	277.3	8.26	1.000	2995.6	17.63	49.90	83.65	99.93	160.4	549.6	41.14	567.8	389.5	388.0
12-Oct-15	13:50:35	277.3	8.29	1.000	2995.6	17.63	49.91	83.76	99.91	160.4	549.6	41.14	567.7	389.5	388.0
12-Oct-15	13:50:40	277.3	8.33	1.000	2995.6	17.63	49.90	83.29	99.92	160.4	549.6	41.14	567.7	389.5	388.0
12-Oct-15	13:50:45	277.2	8.36	1.000	2995.6	17.63	49.88	83.41	99.92	160.4	549.6	41.14	567.6	389.5	388.0
12-Oct-15	13:50:50	277.1	8.40	1.000	2988.8	17.63	49.87	83.54	99.92	160.4	549.6	41.14	567.6	389.5	388.0
12-Oct-15	13:50:55	277.0	8.44	1.000	2988.3	17.63	49.88	83.66	99.92	160.4	549.6	41.14	567.6	389.5	388.1
12-Oct-15	13:51:00	277.0	8.47	1.000	2991.9	17.63	49.90	83.77	99.92	160.4	549.6	41.15	567.6	389.5	388.1
12-Oct-15	13:51:05	277.3	8.51	1.000	2995.4	17.63	49.90	83.77	99.93	160.5	549.6	41.19	567.6	389.5	388.1
12-Oct-15	13:51:10	278.1	8.54	1.000	2995.6	17.63	49.88	83.26	99.93	160.5	549.6	41.20	567.6	389.5	388.1
12-Oct-15	13:51:15	277.8	8.54	1.000	2987.5	17.63	49.86	83.50	99.93	160.5	549.6	41.20	567.6	389.5	388.1
12-Oct-15	13:51:20	277.4	8.54	0.999	2994.0	17.63	49.89	83.65	99.93	160.5	549.6	41.21	567.6	389.5	388.0
12-Oct-15	13:51:25	277.6	8.54	0.999	2993.3	17.63	49.91	83.51	99.93	160.6	549.7	41.22	567.7	389.5	388.0
12-Oct-15	13:51:30	277.9	8.52	1.000	2995.6	17.63	49.90	83.38	99.93	160.6	549.7	41.22	567.7	389.5	388.1
12-Oct-15	13:51:35	277.7	8.49	1.000	2995.3	17.63	49.89	83.33	99.93	160.5	549.7	41.23	567.7	389.5	388.1
12-Oct-15	13:51:40	277.8	8.46	1.000	2995.7	17.63	49.87	83.30	99.93	160.5	549.7	41.24	567.7	389.5	388.1
12-Oct-15	13:51:45	278.0	8.43	1.000	2990.6	17.63	49.86	83.26	99.94	160.5	549.7	41.23	567.7	389.5	388.1
12-Oct-15	13:51:50	277.6	8.40	1.000	2990.1	17.63	49.85	83.47	99.94	160.4	549.7	41.22	567.7	389.5	388.1
12-Oct-15	13:51:55	277.8	8.37	1.000	2991.4	17.63	49.83	83.38	99.94	160.4	549.7	41.21	567.7	389.5	388.1
12-Oct-15	13:52:00	277.7	8.34	1.000	2991.5	17.63	49.82	83.55	99.94	160.3	549.7	41.20	567.7	389.5	388.1
12-Oct-15	13:52:05	277.4	8.31	1.000	2988.2	17.63	49.80	83.54	99.94	160.3	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:10	277.2	8.28	1.000	2987.7	17.63	49.81	83.81	99.94	160.3	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:15	276.9	8.28	1.000	2989.9	17.63	49.83	84.05	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:20	277.4	8.28	1.000	2987.6	17.63	49.84	83.59	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:25	277.6	8.28	1.000	2987.6	17.63	49.85	83.09	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:30	277.1	8.28	1.000	2987.6	17.63	49.85	83.38	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:35	276.9	8.28	1.000	2989.1	17.63	49.85	83.58	99.94	160.2	549.7	41.19	567.7	389.5	388.2
12-Oct-15	13:52:40	277.1	8.28	1.000	2992.1	17.63	49.85	83.58	99.94	160.1	549.7	41.18	567.6	389.5	388.2
12-Oct-15	13:52:45	277.2	8.28	1.000	2993.1	17.63	49.85	83.58	99.94	160.1	549.5	41.17	567.3	389.6	388.3
12-Oct-15	13:52:50	277.3	8.28	1.000	2991.9	17.63	49.85	83.15	99.94	160.0	549.3	41.15	566.9	389.6	388.3
12-Oct-15	13:52:55	276.9	8.28	1.000	2992.9	17.63	49.85	83.70	99.94	160.0	549.1	41.14	566.9	389.7	388.3
12-Oct-15	13:53:00	277.0	8.28	1.000	2994.0	17.63	49.85	83.83	99.93	160.0	548.9	41.13	566.8	389.7	388.3
12-Oct-15	13:53:05	277.2	8.28	1.000	2995.0	17.63	49.85	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	13:57:00	277.3	9.74	1.000	2993.3	17.63	49.92	82.49	99.93	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:05	277.2	9.81	1.000	2996.9	17.63	49.92	82.37	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:10	277.3	9.89	1.000	2992.8	17.63	49.92	82.24	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:15	277.9	9.97	1.000	2992.2	17.63	49.92	82.13	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:20	277.5	10.05	1.000	2995.6	17.63	49.92	82.44	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:25	277.2	10.13	1.000	2995.2	17.63	49.93	82.45	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:30	277.3	10.21	1.000	2999.1	17.63	49.93	82.12	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:35	277.4	9.45	1.000	2997.0	17.63	49.93	82.12	99.92	159.9	549.4	41.06	566.1	389.8	388.4
12-Oct-15	13:57:40	277.4	8.56	1.000	2995.4	17.63	49.92	82.12	99.92	159.8	549.4	41.05	566.0	389.8	388.4
12-Oct-15	13:57:45	277.4	8.96	1.000	2995.7	17.64	49.90	82.12	99.92	159.8	549.4	41.01	566.0	389.9	388.4
12-Oct-15	13:57:50	277.4	9.37	1.000	2995.2	17.64	49.88	82.01	99.92	159.8	549.5	41.01	566.0	389.9	388.4
12-Oct-15	13:57:55	277.3	9.77	1.000	2992.4	17.64	49.88	81.79	99.91	159.8	549.5	41.00	565.9	389.9	388.3
12-Oct-15	13:58:00	277.1	10.18	1.000	2995.3	17.64	49.88	81.57	99.90	159.8	549.5	41.00	566.0	389.9	388.4
12-Oct-15	13:58:05	277.0	10.24	1.000	2998.2	17.64	49.88	81.35	99.89	159.8	549.5	40.99	566.0	389.9	388.4
12-Oct-15	13:58:10	279.4	4.15	1.000	2982.6	17.47	49.83	81.12	99.89	159.8	549.5	40.98	566.0	389.8	388.4
12-Oct-15	13:58:15	278.5	-1.57	1.000	2975.8	17.35	49.61	80.13	99.90	159.8	549.5	40.98	566.0	389.9	388.4
12-Oct-15	13:58:20	278.3	-0.97	1.000	2970.1	17.38	49.53	80.25	99.90	159.8	549.5	40.97	566.0	389.9	388.4
12-Oct-15	13:58:25	277.5	-0.38	1.000	2970.2	17.41	49.50	81.11	99.90	159.7	549.5	40.97	566.0	389.9	388.4
12-Oct-15	13:58:30	277.1	2.57	1.000	2974.6	17.54	49.52	81.55	99.91	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:35	276.5	10.39	1.000	2979.1	17.71	49.54	81.37	99.91	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:40	277.4	11.16	1.000	2975.9	17.76	49.59	80.85	99.91	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:45	277.1	10.02	1.000	2975.8	17.76	49.58	80.86	99.92	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:58:50	277.3	10.95	1.000	2976.7	17.76	49.56	80.57	99.92	159.7	549.5	40.96	566.0	389.9	388.3
12-Oct-15	13:58:55	277.4	11.67	1.000	2976.0	17.76	49.55	80.40	99.92	159.7	549.5	40.96	566.0	389.9	388.3
12-Oct-15	13:59:00	277.2	11.59	1.000	2976.9	17.75	49.55	80.74	99.92	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:59:05	277.1	11.10	1.000	2977.8	17.75	49.56	81.16	99.93	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:59:10	277.1	10.61	1.000	2978.7	17.75	49.58	81.20	99.93	159.7	549.5	40.96	566.0	389.9	388.4
12-Oct-15	13:59:15	277.1	10.12	1.000	2979.6	17.75	49.59	81.04	99.93	159.7	549.5	40.96	566.0	389.8	388.4
12-Oct-15	13:59:20	277.1	11.93	1.000	2979.8	17.75	49.60	80.88	99.93	159.7	549.5	40.96	566.0	389.8	388.4
12-Oct-15	13:59:25	277.1	10.05	1.000	2979.6	17.75	49.61	80.77	99.93	159.7	549.5	40.96	565.9	389.9	388.4
12-Oct-15	13:59:30	277.1	10.69	1.000	2980.4	17.74	49.63	80.81	99.93	159.7	549.4	40.95	565.9	389.8	388.4
12-Oct-15	13:59:35	277.0	11.33	1.000	2982.5	17.74	49.64	80.89	99.93	159.7	549.4	40.95	565.8	389.8	388.3
12-Oct-15	13:59:40	277.3	11.79	1.000	2982.6	17.74	49.64	80.44	99.93	159.8	549.4	40.94	565.8	389.8	388.4
12-Oct-15	13:59:45	277.7	10.03	1.000	2976.1	17.74	49.64	80.22	99.94	159.8	549.3	40.94	565.7	389.8	388.4
12-Oct-15	13:59:50	277.4	10.38	1.000	2978.7	17.74	49.59	80.17	99.94	159.8	549.3	40.94	565.7	389.8	388.4
12-Oct-15	13:59:55	277.1	10.80	1.000	2980.3	17.74	49.61	80.13	99.94	159.8	549.2	40.94	565.6	389.8	388.4
12-Oct-15	14:00:00	277.4	11.21	1.000	2981.2	17.74	49.62	80.08	99.94	159.8	549.2	40.93	565.7	389.8	388.4
12-Oct-15	14:00:05	277.3	11.63	1.000	2982.2	17.74	49.63	80.04	99.94	159.9	549.2	40.93	565.7	389.8	388.3
12-Oct-15	14:00:10	277.2	11.46	1.000	2983.1	17.74	49.64	79.99	99.94	159.9	549.2	40.93	565.7	389.8	388.4
12-Oct-15	14:00:15	277.4	10.86	1.000	2980.7	17.75	49.65	79.85	99.94	159.9	549.2	40.93	565.8	389.8	388.4
12-Oct-15	14:00:20	277.2	10.39	1.000	2983.6	17.75	49.66	79.90	99.93	159.9	549.2	40.92	565.8	389.8	388.3
12-Oct-15	14:00:25	277.2	10.52	1.000	2983.8	17.75	49.67	79.85	99.93	159.9	549.2	40.92	565.8	389.8	388.3
12-Oct-15	14:00:30	277.4	10.75	1.000	2983.1	17.75	49.68	79.81	99.93	160.0	549.2	40.92	565.8	389.8	388.3
12-Oct-15	14:00:35	277.5	10.98	1.000	2983.5	17.75	49.69	79.76	99.92	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:40	277.7	11.22	1.000	2980.3	17.75	49.67	79.72	99.92	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:45	277.9	11.45	1.000	2977.6	17.75	49.65	79.92	99.92	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:50	277.3	11.68	1.000	2978.1	17.75	49.66	80.22	99.91	160.0	549.2	40.92	565.9	389.8	388.3
12-Oct-15	14:00:55	277.0	11.91	1.000	2981.0	17.75	49.68	80.51	99.91	160.0	549.2	40.92	566.0	389.8	388.3
12-Oct-15	14:01:00	276.8	12.08	1.000	2985.2	17.75	49.70	80.53	99.90	160.0	549.2	40.92	566.0	389.8	388.3
12-Oct-15	14:01:05	277.4	12.08	1.000	2985.4	17.75	49.71	79.72	99.90	160.1	549.5	40.93	566.0	389.8	388.3
12-Oct-15	14:01:10	277.4	12.08	1.000	2986.1	17.75	49.73	79.79	99.90	160.1	549.6	40.93	566.0	389.8	388.3
12-Oct-15	14:01:15	277.5	12.08	1.000	2986.1	17.75	49.74	79.95	99.90	160.2	549.6	40.94	566.1	389.8	388.3
12-Oct-15	14:01:20	277.8	12.08	1.000	2983.7	17.75	49.74	80.10	99.91	160.2	549.7	40.95	566.1	389.8	388.3
12-Oct-15	14:01:25	277.7	12.08	1.000	2983.9	17.75	49.74	80.26	99.91	160.3	549.7	40.95	566.1	389.8	388.3
12-Oct-15	14:01:30	277.4	11.39	1.000	2987.5	17.76	49.72	80.42	99.92	160.4	549.7	40.97	566.1	389.8	388.3
12-Oct-15	14:01:35	277.3	10.57	1.000	2987.2	17.78	49.74	80.28	99.92	160.4	549.7	40.99	566.2	389.8	388.3
12-Oct-15	14:01:40	278.0	11.84	1.000	2986.6	17.78	49.73	80.10	99.92	160.4	549.8	41.01	566.2	389.8	388.3
12-Oct-15	14:01:45	277.9	10.79	1.000	2985.2	17.78	49.73	80.28	99.93	160.4	549.8	41.01	566.2	389.8	388.3
12-Oct-15	14:01:50	277.8	11.25	1.000	2983.1	17.78	49.71	80.45	99.93	160.5	549.8	41.01	566.2	389.9	388.2
12-Oct-15	14:01:55	277.6	11.71	1.000	2980.5	17.79	49.70	80.63	99.93	160.5	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:00	276.8	11.90	1.000	2990.2	17.79	49.75	81.09	99.94	160.5	549.9	41.01	566.3	389.8	388.3
12-Oct-15	14:02:05	277.7	11.26	1.000	2989.1	17.79	49.80	79.79	99.94	160.5	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:10	278.0	10.62	1.000	2987.6	17.79	49.82	79.83	99.94	160.5	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:15	277.6	10.14	1.000	2991.7	17.79	49.83	80.05	99.94	160.6	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:20	277.6	10.14	1.000	2993.6	17.79	49.84	79.98	99.94	160.6	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:25	277.9	10.14	1.000	2995.5	17.79	49.85	79.70	99.94	160.6	549.9	41.01	566.3	389.9	388.3
12-Oct-15	14:02:30	278.1	10.14	1.000	2989.4	17.79	49.85	79.83	99.94	160.6	549.9	41.01	566.3	389.9	388.2
12-Oct-15	14:02:35	278.0	10.14	1.000	2992.5	17.79	49.85	79.96	99.94	160.6	549.9	41.01	566.3	389.9	388.2
12-Oct-15	14:02:40	277.8	10.14	1.000	2993.9	17.79	49.85	80.09	99.94	160.6	549.9	41.05	566.3	389.9	388.2
12-Oct-15	14:02:45	277.8	10.14	1.000	2995.3	17.79	49.85	80.21	99.94	160.7	550.0	41.06	566.4	389.9	388.3
12-Oct-15	14:02:50	277.8	10.14	1.000	2992.0	17.79	49.85	80.05	99.94	160.7	550.0	41.06	566.5	389.9	388.3
12-Oct-15	14:02:55	278.6	10.14	1.00											

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:06:50	277.7	8.73	1.000	3013.5	17.79	50.15	84.66	99.98	160.7	548.1	41.31	566.5	390.1	388.6
12-Oct-15	14:06:55	277.6	8.63	1.000	3009.3	17.79	50.15	84.66	99.98	160.7	548.0	41.31	566.4	390.2	388.6
12-Oct-15	14:07:00	277.5	8.53	1.000	3009.6	17.79	50.14	84.67	99.98	160.7	547.9	41.30	566.4	390.1	388.6
12-Oct-15	14:07:05	277.4	8.43	1.000	3011.5	17.79	50.14	84.67	99.98	160.6	547.9	41.29	566.4	390.2	388.6
12-Oct-15	14:07:10	277.8	8.32	1.000	3008.5	17.79	50.13	84.67	99.99	160.6	547.8	41.28	566.4	390.2	388.6
12-Oct-15	14:07:15	277.7	8.22	1.000	3011.1	17.79	50.12	84.74	99.99	160.6	547.8	41.27	566.4	390.2	388.6
12-Oct-15	14:07:20	277.6	8.12	1.000	3011.4	17.79	50.12	84.83	99.99	160.6	547.8	41.26	566.4	390.2	388.6
12-Oct-15	14:07:25	277.5	8.02	1.000	3006.1	17.79	50.11	84.93	99.99	160.5	547.8	41.25	566.4	390.2	388.6
12-Oct-15	14:07:30	277.5	7.92	1.000	3007.5	17.79	50.11	85.03	99.99	160.4	547.8	41.25	566.4	390.2	388.7
12-Oct-15	14:07:35	277.0	7.81	1.000	3008.6	17.79	50.14	85.13	99.99	160.4	547.8	41.25	566.4	390.2	388.7
12-Oct-15	14:07:40	276.7	8.01	1.000	3010.2	17.79	50.16	85.07	99.99	160.2	547.8	41.25	566.4	390.2	388.7
12-Oct-15	14:07:45	277.3	9.09	1.000	3014.1	17.79	50.16	84.70	99.99	160.1	547.7	41.23	566.3	390.2	388.7
12-Oct-15	14:07:50	277.3	9.69	1.000	3008.4	17.79	50.16	84.44	99.98	160.1	547.5	41.22	566.2	390.2	388.7
12-Oct-15	14:07:55	277.0	9.69	1.000	3010.2	17.79	50.16	84.72	99.98	160.0	547.4	41.20	566.1	390.2	388.7
12-Oct-15	14:08:00	277.2	9.69	1.000	3007.4	17.79	50.16	84.96	99.97	160.0	547.3	41.19	566.0	390.2	388.7
12-Oct-15	14:08:05	276.9	9.69	1.000	3010.8	17.79	50.16	84.78	99.97	159.9	547.2	41.17	565.9	390.2	388.8
12-Oct-15	14:08:10	276.7	9.63	1.000	3007.7	17.79	50.15	85.05	99.96	159.9	547.1	41.15	565.9	390.2	388.8
12-Oct-15	14:08:15	276.9	9.56	1.000	3010.0	17.79	50.13	84.93	99.96	159.9	547.0	41.14	565.8	390.2	388.8
12-Oct-15	14:08:20	277.3	9.49	1.000	3006.7	17.79	50.12	84.80	99.96	159.8	547.0	41.12	565.7	390.2	388.8
12-Oct-15	14:08:25	277.6	9.42	1.000	3001.0	17.79	50.10	85.07	99.95	159.8	547.0	41.11	565.7	390.2	388.8
12-Oct-15	14:08:30	276.7	9.36	1.000	3000.9	17.79	50.07	85.40	99.95	159.8	546.9	41.10	565.6	390.3	388.8
12-Oct-15	14:08:35	276.4	9.29	1.000	3007.4	17.79	50.08	85.74	99.95	159.8	546.9	41.10	565.5	390.2	388.8
12-Oct-15	14:08:40	276.5	9.22	1.000	3010.5	17.79	50.10	85.57	99.94	159.7	546.8	41.10	565.5	390.2	388.8
12-Oct-15	14:08:45	276.7	9.15	1.000	3008.7	17.79	50.14	85.40	99.94	159.7	546.8	41.10	565.4	390.2	388.8
12-Oct-15	14:08:50	277.1	9.07	1.000	3007.1	17.79	50.12	84.61	99.94	159.6	546.8	41.10	565.3	390.2	388.8
12-Oct-15	14:08:55	276.9	8.63	1.000	3000.5	17.79	50.06	84.65	99.94	159.6	546.7	41.10	565.3	390.2	388.8
12-Oct-15	14:09:00	276.9	8.19	1.000	3001.9	17.79	50.03	84.99	99.93	159.6	546.7	41.10	565.3	390.2	388.8
12-Oct-15	14:09:05	277.4	7.75	1.000	3001.1	17.79	50.01	84.92	99.93	159.6	546.7	41.10	565.3	390.2	388.8
12-Oct-15	14:09:10	276.7	7.32	1.000	3002.6	17.79	50.02	85.06	99.93	159.6	546.6	41.10	565.3	390.2	388.8
12-Oct-15	14:09:15	276.0	7.48	1.000	3004.9	17.79	50.05	85.33	99.93	159.6	546.6	41.10	565.3	390.2	388.8
12-Oct-15	14:09:20	276.8	8.94	1.000	3002.4	17.79	50.03	84.55	99.93	159.5	546.7	41.09	565.2	390.2	388.8
12-Oct-15	14:09:25	277.0	8.94	1.000	2999.7	17.79	50.01	83.93	99.93	159.4	546.7	41.06	565.2	390.2	388.8
12-Oct-15	14:09:30	276.7	8.94	1.000	2996.5	17.79	50.00	84.32	99.93	159.4	546.7	41.03	565.2	390.2	388.8
12-Oct-15	14:09:35	276.2	8.94	1.000	2999.4	17.79	50.00	84.54	99.93	159.3	546.7	41.00	565.2	390.2	388.8
12-Oct-15	14:09:40	276.5	8.94	1.000	2999.0	17.79	50.00	84.67	99.93	159.3	546.8	40.98	565.1	390.2	388.8
12-Oct-15	14:09:45	276.2	8.94	1.000	2998.4	17.79	50.00	84.79	99.93	159.3	546.8	40.96	565.1	390.2	388.8
12-Oct-15	14:09:50	276.0	8.93	1.000	3000.9	17.79	50.00	84.91	99.94	159.3	546.8	40.95	565.1	390.2	388.8
12-Oct-15	14:09:55	276.3	8.92	1.000	2999.8	17.79	49.99	84.56	99.94	159.2	546.8	40.94	565.0	390.2	388.8
12-Oct-15	14:10:00	276.6	8.91	1.000	2999.2	17.79	49.98	84.57	99.94	159.2	546.9	40.92	565.1	390.2	388.8
12-Oct-15	14:10:05	276.4	8.89	1.000	2998.7	17.79	49.98	84.73	99.94	159.2	546.9	40.91	565.1	390.2	388.8
12-Oct-15	14:10:10	276.8	8.88	1.000	3000.3	17.78	49.97	84.89	99.94	159.2	546.9	40.90	565.1	390.2	388.8
12-Oct-15	14:10:15	276.4	8.87	1.000	2997.5	17.78	49.96	84.45	99.94	159.1	546.9	40.90	565.1	390.2	388.7
12-Oct-15	14:10:20	276.1	8.86	1.000	2997.0	17.78	49.96	84.23	99.94	159.1	546.9	40.89	565.1	390.2	388.7
12-Oct-15	14:10:25	276.5	8.81	1.000	2996.6	17.78	49.95	84.01	99.94	159.1	546.9	40.88	565.1	390.2	388.7
12-Oct-15	14:10:30	275.8	8.76	1.000	2996.3	17.78	49.97	84.53	99.94	159.1	546.9	40.87	565.1	390.2	388.7
12-Oct-15	14:10:35	275.7	8.71	1.000	3000.2	17.78	50.00	84.53	99.94	159.1	546.9	40.86	565.1	390.2	388.8
12-Oct-15	14:10:40	276.0	8.66	1.000	3000.6	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.7
12-Oct-15	14:10:45	276.2	8.61	1.000	3000.8	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.8
12-Oct-15	14:10:50	276.3	8.56	1.000	3002.4	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.7
12-Oct-15	14:10:55	276.1	8.51	1.000	3002.8	17.78	50.00	84.53	99.94	159.1	546.9	40.85	565.2	390.2	388.7
12-Oct-15	14:11:00	276.0	8.46	1.000	3003.6	17.78	50.00	84.53	99.94	159.1	547.0	40.85	565.2	390.2	388.7
12-Oct-15	14:11:05	275.9	8.41	1.000	3000.5	17.78	50.00	84.53	99.94	159.1	547.2	40.84	565.3	390.2	388.7
12-Oct-15	14:11:10	275.9	8.36	1.000	3002.1	17.78	50.00	84.45	99.95	159.1	547.4	40.83	565.3	390.2	388.8
12-Oct-15	14:11:15	275.6	8.31	0.999	3003.3	17.78	50.00	84.26	99.95	159.0	547.5	40.82	565.4	390.2	388.8
12-Oct-15	14:11:20	276.1	8.26	0.999	3003.0	17.78	50.00	84.07	99.94	159.1	547.5	40.81	565.4	390.2	388.8
12-Oct-15	14:11:25	276.6	8.26	0.999	3000.1	17.78	50.00	83.48	99.93	159.1	547.6	40.80	565.5	390.2	388.8
12-Oct-15	14:11:30	276.3	8.00	0.999	2999.0	17.78	50.00	83.87	99.93	159.1	547.6	40.79	565.5	390.2	388.8
12-Oct-15	14:11:35	276.9	7.69	0.999	3002.3	17.78	49.99	84.41	99.93	159.1	547.7	40.78	565.6	390.2	388.8
12-Oct-15	14:11:40	276.2	7.38	0.999	3003.4	17.79	49.98	83.87	99.92	159.1	547.7	40.78	565.6	390.2	388.8
12-Oct-15	14:11:45	276.1	7.07	0.999	3003.1	17.78	49.97	83.54	99.91	159.1	547.8	40.77	565.7	390.2	388.8
12-Oct-15	14:11:50	276.4	6.77	0.999	3000.4	17.78	49.96	83.26	99.90	159.1	547.8	40.76	565.7	390.2	388.8
12-Oct-15	14:11:55	276.7	6.46	0.999	2999.3	17.77	49.94	82.98	99.90	159.1	547.9	40.76	565.8	390.2	388.8
12-Oct-15	14:12:00	276.6	5.58	0.999	2993.4	17.77	49.94	83.18	99.89	159.1	547.9	40.75	565.8	390.2	388.8
12-Oct-15	14:12:05	276.3	4.38	0.999	2993.1	17.76	49.95	83.65	99.88	159.2	548.0	40.76	565.8	390.2	388.8
12-Oct-15	14:12:10	275.8	4.94	0.999	2999.2	17.76	49.97	83.75	99.88	159.2	548.0	40.77	565.8	390.2	388.8
12-Oct-15	14:12:15	276.2	5.50	0.999	3001.9	17.75	50.03	83.42	99.88	159.2	548.0	40.79	565.8	390.2	388.8
12-Oct-15	14:12:20	276.5	5.77	1.000	3000.8	17.74	50.03	83.09	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:25	276.6	5.16	0.999	3000.4	17.74	50.01	82.84	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:30	276.6	4.56	0.999	3000.4	17.73	50.00	83.27	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:35	276.8	3.95	0.999	2996.9	17.73	49.97	82.90	99.88	159.2	548.0	40.80	565.8	390.2	388.8
12-Oct-15	14:12:40	276.6	4.44	0.999	2994.5	17.72	49.94	83.07	99.88	159.2	548.1	40.80	565.9	390.2	388.8
12-Oct-15	14:12:45	276.4	5.12	0.999	2998.5	17.72	49.96	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:16:40	276.6	6.12	0.999	2988.2	17.76	49.81	80.99	99.94	159.5	549.9	40.90	568.4	390.3	388.9
12-Oct-15	14:16:45	276.7	6.07	0.999	2988.3	17.76	49.83	80.77	99.94	159.5	549.9	40.90	568.4	390.3	388.9
12-Oct-15	14:16:50	276.8	6.09	0.999	2989.5	17.76	49.84	80.55	99.94	159.5	550.0	40.90	568.5	390.3	388.9
12-Oct-15	14:16:55	276.9	6.10	0.999	2990.3	17.76	49.81	80.32	99.94	159.5	550.0	40.90	568.5	390.3	388.9
12-Oct-15	14:17:00	277.0	6.11	0.999	2985.4	17.76	49.79	80.58	99.93	159.5	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:05	276.6	6.12	0.999	2987.7	17.76	49.79	81.40	99.93	159.5	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:10	276.8	6.14	0.999	2989.9	17.76	49.80	81.61	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:15	276.8	6.15	0.999	2985.3	17.76	49.81	81.11	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:20	276.6	6.16	0.999	2989.8	17.76	49.82	81.22	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:25	276.9	6.17	0.999	2989.4	17.76	49.83	81.34	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:30	276.7	6.19	0.999	2988.3	17.76	49.83	81.24	99.93	159.6	550.1	40.90	568.5	390.3	388.9
12-Oct-15	14:17:35	277.0	6.20	0.999	2988.2	17.76	49.82	80.88	99.93	159.6	550.1	40.90	568.5	390.3	388.8
12-Oct-15	14:17:40	277.4	6.21	0.999	2983.9	17.76	49.79	80.66	99.93	159.6	550.2	40.92	568.5	390.3	388.9
12-Oct-15	14:17:45	277.0	6.21	0.999	2986.2	17.76	49.80	81.01	99.93	159.6	550.2	40.94	568.4	390.3	388.9
12-Oct-15	14:17:50	276.3	6.21	0.999	2988.0	17.76	49.82	81.68	99.93	159.6	550.3	40.94	568.4	390.3	388.8
12-Oct-15	14:17:55	276.6	6.21	0.999	2988.1	17.76	49.83	81.63	99.93	159.6	550.4	40.95	568.4	390.3	388.8
12-Oct-15	14:18:00	277.0	6.21	0.999	2989.1	17.76	49.84	81.58	99.93	159.6	550.4	40.96	568.3	390.3	388.8
12-Oct-15	14:18:05	276.7	6.21	0.999	2989.8	17.76	49.84	81.57	99.93	159.6	550.5	40.97	568.3	390.3	388.8
12-Oct-15	14:18:10	276.1	6.45	0.999	2995.3	17.76	49.87	82.30	99.94	159.6	550.6	40.98	568.3	390.3	388.8
12-Oct-15	14:18:15	276.9	6.72	0.999	2994.4	17.77	49.88	81.67	99.94	159.6	550.6	40.98	568.3	390.3	388.8
12-Oct-15	14:18:20	277.2	7.00	0.999	2990.2	17.77	49.86	81.36	99.94	159.6	550.6	40.99	568.4	390.3	388.8
12-Oct-15	14:18:25	276.5	7.28	0.999	2991.1	17.77	49.84	81.82	99.94	159.6	550.6	40.99	568.4	390.3	388.8
12-Oct-15	14:18:30	276.5	7.55	0.999	2992.4	17.78	49.83	81.98	99.94	159.6	550.6	41.00	568.4	390.3	388.8
12-Oct-15	14:18:35	276.7	7.83	0.999	2988.5	17.78	49.81	82.13	99.94	159.6	550.6	41.01	568.4	390.3	388.8
12-Oct-15	14:18:40	276.8	8.11	0.999	2990.4	17.78	49.80	82.29	99.94	159.6	550.6	41.01	568.4	390.3	388.8
12-Oct-15	14:18:45	276.6	8.09	0.999	2987.6	17.78	49.79	82.45	99.94	159.6	550.6	41.01	568.4	390.3	388.8
12-Oct-15	14:18:50	276.2	8.02	0.999	2986.7	17.78	49.80	82.61	99.94	159.7	550.6	41.02	568.4	390.3	388.8
12-Oct-15	14:18:55	276.1	7.95	0.999	2992.0	17.78	49.81	82.72	99.94	159.7	550.6	41.02	568.4	390.3	388.8
12-Oct-15	14:19:00	276.7	7.87	0.999	2992.4	17.78	49.82	82.72	99.95	159.7	550.6	41.03	568.4	390.3	388.8
12-Oct-15	14:19:05	276.4	7.80	0.999	2992.8	17.78	49.83	82.72	99.95	159.7	550.6	41.03	568.4	390.3	388.8
12-Oct-15	14:19:10	276.7	7.73	0.999	2993.1	17.78	49.84	82.72	99.95	159.7	550.6	41.03	568.4	390.3	388.8
12-Oct-15	14:19:15	276.7	7.66	0.999	2991.9	17.78	49.85	82.72	99.95	159.7	550.6	41.03	568.4	390.4	388.8
12-Oct-15	14:19:20	276.7	7.59	1.000	2993.9	17.79	49.86	82.72	99.95	159.7	550.6	41.03	568.4	390.4	388.8
12-Oct-15	14:19:25	276.5	7.52	1.000	2993.1	17.79	49.87	82.72	99.95	159.7	550.6	41.04	568.3	390.4	388.9
12-Oct-15	14:19:30	276.4	7.45	1.000	2993.4	17.79	49.88	82.74	99.95	159.7	550.6	41.05	568.3	390.4	388.9
12-Oct-15	14:19:35	276.5	7.38	1.000	2995.2	17.79	49.89	82.79	99.95	159.8	550.6	41.05	568.3	390.4	388.9
12-Oct-15	14:19:40	276.8	7.31	1.000	2994.5	17.79	49.89	82.83	99.95	159.8	550.6	41.06	568.2	390.4	388.9
12-Oct-15	14:19:45	277.0	7.30	1.000	2991.5	17.79	49.89	82.88	99.94	159.8	550.6	41.07	568.2	390.4	388.9
12-Oct-15	14:19:50	276.7	7.27	1.000	2989.4	17.79	49.86	82.92	99.94	159.8	550.6	41.07	568.2	390.4	388.9
12-Oct-15	14:19:55	276.4	7.25	1.000	2995.6	17.79	49.89	82.87	99.94	159.8	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:00	277.2	7.22	1.000	2995.2	17.79	49.89	82.82	99.94	159.9	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:05	277.1	7.19	1.000	2990.2	17.79	49.89	82.63	99.94	159.9	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:10	277.0	7.16	1.000	2992.6	17.79	49.89	82.93	99.94	159.9	550.6	41.08	568.1	390.4	388.9
12-Oct-15	14:20:15	277.3	7.14	1.000	2995.6	17.79	49.89	82.70	99.94	159.9	550.6	41.09	568.1	390.4	388.9
12-Oct-15	14:20:20	277.1	7.11	1.000	2993.8	17.79	49.88	82.47	99.94	159.9	550.6	41.09	568.1	390.4	388.9
12-Oct-15	14:20:25	277.2	7.08	1.000	2991.5	17.79	49.88	82.47	99.94	160.0	550.6	41.09	568.1	390.5	388.9
12-Oct-15	14:20:30	277.0	7.05	1.000	2989.8	17.79	49.88	82.73	99.94	160.0	550.6	41.09	568.1	390.5	388.9
12-Oct-15	14:20:35	277.1	7.03	1.000	2995.3	17.79	49.88	82.75	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:40	277.2	7.00	1.000	2994.3	17.79	49.88	82.51	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:45	277.3	6.99	1.000	2991.2	17.79	49.87	82.37	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:50	277.2	6.99	1.000	2989.1	17.79	49.87	82.54	99.94	160.0	550.6	41.09	568.2	390.5	388.9
12-Oct-15	14:20:55	277.0	6.99	1.000	2993.0	17.79	49.87	82.71	99.94	160.1	550.6	41.10	568.2	390.5	388.9
12-Oct-15	14:21:00	277.2	6.99	1.000	2994.6	17.79	49.87	82.57	99.94	160.1	550.6	41.10	568.2	390.5	388.9
12-Oct-15	14:21:05	277.0	6.99	1.000	2992.2	17.79	49.89	82.29	99.94	160.0	550.7	41.10	568.1	390.5	388.9
12-Oct-15	14:21:10	276.5	6.99	1.000	2995.8	17.79	49.91	82.66	99.95	160.0	550.7	41.10	568.1	390.5	388.9
12-Oct-15	14:21:15	277.5	6.99	0.999	2994.9	17.79	49.89	82.29	99.95	160.0	550.7	41.10	568.1	390.6	388.9
12-Oct-15	14:21:20	277.6	6.99	0.999	2987.7	17.79	49.84	82.87	99.95	160.0	550.7	41.10	568.1	390.6	388.9
12-Oct-15	14:21:25	277.2	6.99	0.999	2987.6	17.79	49.81	82.80	99.95	160.0	550.7	41.10	568.1	390.6	388.9
12-Oct-15	14:21:30	276.9	6.95	1.000	2990.8	17.79	49.85	82.60	99.94	160.0	550.7	41.10	568.0	390.6	388.9
12-Oct-15	14:21:35	276.9	6.91	1.000	2994.8	17.79	49.87	82.61	99.94	160.0	550.6	41.10	568.0	390.6	388.9
12-Oct-15	14:21:40	277.3	6.87	1.000	2993.1	17.79	49.88	82.20	99.94	160.0	550.6	41.10	567.9	390.6	388.9
12-Oct-15	14:21:45	277.4	6.92	1.000	2992.9	17.79	49.88	82.25	99.94	160.0	550.6	41.10	567.9	390.6	388.9
12-Oct-15	14:21:50	277.2	7.01	1.000	2991.5	17.79	49.89	82.30	99.93	160.0	550.6	41.10	567.9	390.6	389.0
12-Oct-15	14:21:55	277.1	7.11	1.000	2988.1	17.78	49.89	82.39	99.93	160.0	550.6	41.10	567.9	390.6	389.0
12-Oct-15	14:22:00	276.9	7.20	1.000	2989.4	17.78	49.90	82.60	99.93	159.9	550.6	41.09	567.8	390.6	389.0
12-Oct-15	14:22:05	276.8	7.29	1.000	2988.4	17.78	49.91	82.81	99.93	159.9	550.5	41.09	567.8	390.6	389.0
12-Oct-15	14:22:10	276.5	7.39	1.000	2990.0	17.78	49.91	83.02	99.92	159.8	550.5	41.08	567.8	390.6	389.0
12-Oct-15	14:22:15	276.5	7.48	1.000	2996.3	17.78	49.92	82.77	99.92	159.8	550.5	41.07	567.8	390.6	389.0
12-Oct-15	14:22:20	277.1	7.58	1.000	2991.7	17.78	49.89	82.25	99.92	159.8	550.5	41.06	567.8	390.6	389.0
12-Oct-15	14:22:25	277.2	7.67	0.999	2988.8	17.78	49.86	82.30	99.92	159.8	550.5	41.05	567.8	390.6	389.0
12-Oct-15	14:22:30	276.8	7.77	0.999	2988.0	17.78	49.87	82.63	99.92	159.8	550.5	41.05	567.8	390.6	389.0
12-Oct-15	14:22:35	277.0	7.86	0.999	2990.4	17.78	49.88	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:26:30	276.7	8.52	1.000	2997.1	17.78	49.96	83.61	99.94	159.3	550.7	40.99	566.0	390.6	388.9
12-Oct-15	14:26:35	276.8	8.75	1.000	2998.4	17.79	49.94	83.65	99.94	159.4	550.7	40.99	566.0	390.6	388.9
12-Oct-15	14:26:40	277.0	8.89	1.000	2997.6	17.79	49.93	83.69	99.94	159.4	550.6	40.99	566.0	390.6	388.9
12-Oct-15	14:26:45	277.0	8.92	1.000	2994.6	17.79	49.91	83.72	99.94	159.4	550.6	40.99	566.0	390.6	388.9
12-Oct-15	14:26:50	276.8	8.95	1.000	2994.5	17.79	49.91	83.76	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:26:55	276.7	8.98	1.000	2994.2	17.79	49.90	83.80	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:27:00	276.6	9.01	1.000	2994.2	17.79	49.89	83.84	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:27:05	276.7	9.04	1.000	2993.0	17.79	49.89	83.89	99.94	159.5	550.6	41.00	565.9	390.6	388.9
12-Oct-15	14:27:10	276.3	9.08	1.000	2998.4	17.79	49.88	83.85	99.94	159.5	550.6	41.00	565.9	390.6	389.0
12-Oct-15	14:27:15	277.3	9.11	1.000	2994.4	17.79	49.87	82.91	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:20	277.1	9.14	1.000	2987.7	17.79	49.87	83.17	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:25	276.9	9.17	1.000	2988.2	17.79	49.86	83.39	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:30	276.7	9.20	1.000	2991.1	17.79	49.86	83.17	99.94	159.5	550.5	41.01	565.9	390.7	389.0
12-Oct-15	14:27:35	277.0	9.23	1.000	2993.0	17.79	49.86	82.96	99.94	159.5	550.5	41.01	565.9	390.7	389.0
12-Oct-15	14:27:40	276.8	9.25	1.000	2990.0	17.79	49.86	83.08	99.94	159.5	550.5	41.01	565.9	390.6	389.0
12-Oct-15	14:27:45	276.6	9.25	1.000	2994.7	17.79	49.86	83.35	99.94	159.5	550.5	41.00	566.0	390.7	389.0
12-Oct-15	14:27:50	276.6	9.25	1.000	2995.2	17.79	49.86	83.17	99.94	159.5	550.4	41.00	566.1	390.7	389.0
12-Oct-15	14:27:55	277.1	9.25	1.000	2995.6	17.79	49.86	82.80	99.93	159.6	550.4	41.00	566.2	390.7	389.0
12-Oct-15	14:28:00	277.3	9.25	1.000	2992.9	17.79	49.86	82.50	99.93	159.6	550.4	41.00	566.2	390.7	389.0
12-Oct-15	14:28:05	277.5	9.25	1.000	2992.3	17.79	49.86	82.25	99.92	159.6	550.3	41.00	566.2	390.7	389.0
12-Oct-15	14:28:10	277.4	9.08	1.000	2988.9	17.79	49.83	82.03	99.91	159.6	550.3	41.00	566.2	390.7	389.0
12-Oct-15	14:28:15	277.0	8.88	1.000	2990.7	17.79	49.82	82.45	99.91	159.6	550.2	41.00	566.1	390.7	389.0
12-Oct-15	14:28:20	276.8	8.67	1.000	2992.0	17.79	49.84	82.34	99.91	159.6	550.2	40.99	566.1	390.7	389.0
12-Oct-15	14:28:25	277.3	8.47	1.000	2994.5	17.79	49.85	82.23	99.91	159.6	550.2	40.99	566.1	390.7	389.0
12-Oct-15	14:28:30	277.1	8.27	1.000	2993.0	17.79	49.87	82.11	99.91	159.6	550.1	40.99	566.1	390.7	389.0
12-Oct-15	14:28:35	276.9	8.07	1.000	2992.9	17.79	49.88	82.00	99.91	159.6	550.1	40.99	566.1	390.7	389.0
12-Oct-15	14:28:40	276.8	8.01	1.000	2995.5	17.79	49.89	81.89	99.91	159.6	550.1	40.99	566.1	390.7	389.0
12-Oct-15	14:28:45	276.9	8.13	1.000	2992.3	17.79	49.91	81.78	99.91	159.6	550.1	40.99	566.0	390.7	389.0
12-Oct-15	14:28:50	277.1	8.25	1.000	2994.4	17.79	49.91	81.67	99.91	159.6	550.0	40.99	566.0	390.7	389.0
12-Oct-15	14:28:55	277.5	8.37	1.000	2994.2	17.79	49.88	81.56	99.91	159.6	550.0	40.99	566.0	390.7	389.1
12-Oct-15	14:29:00	277.5	8.49	1.000	2989.2	17.79	49.84	81.80	99.91	159.6	550.0	40.99	566.0	390.7	389.1
12-Oct-15	14:29:05	276.9	8.60	1.000	2990.2	17.79	49.82	82.22	99.91	159.6	550.0	40.99	566.0	390.7	389.0
12-Oct-15	14:29:10	276.5	8.72	1.000	2995.6	17.79	49.85	82.28	99.91	159.6	550.0	40.99	566.0	390.8	389.1
12-Oct-15	14:29:15	277.1	8.84	1.000	2995.5	17.79	49.86	81.62	99.91	159.6	549.9	40.99	566.0	390.8	389.1
12-Oct-15	14:29:20	277.4	8.96	1.000	2994.4	17.79	49.84	81.50	99.91	159.6	549.9	40.99	566.0	390.8	389.1
12-Oct-15	14:29:25	277.6	9.08	1.000	2988.1	17.79	49.83	81.50	99.91	159.6	549.9	40.99	566.0	390.8	389.1
12-Oct-15	14:29:30	277.2	9.19	1.000	2987.3	17.79	49.82	81.44	99.91	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:35	277.1	9.31	1.000	2986.6	17.79	49.81	81.30	99.92	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:40	276.9	9.38	1.000	2988.1	17.79	49.81	81.17	99.92	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:45	276.8	9.38	1.000	2993.1	17.79	49.84	81.04	99.93	159.6	549.9	40.98	566.0	390.8	389.1
12-Oct-15	14:29:50	277.8	8.76	1.000	2989.1	17.79	49.84	80.90	99.94	159.6	549.9	40.98	566.1	390.7	389.1
12-Oct-15	14:29:55	276.9	8.03	1.000	2995.4	17.79	49.86	80.77	99.94	159.7	549.9	40.97	565.9	390.8	389.1
12-Oct-15	14:30:00	276.7	7.44	1.000	2995.1	17.79	49.90	80.63	99.95	159.7	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:05	277.9	9.08	1.000	2992.0	17.79	49.89	80.50	99.95	159.7	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:10	277.7	9.26	1.000	2987.7	17.79	49.83	80.79	99.96	159.8	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:15	277.3	9.19	1.000	2990.8	17.79	49.81	81.22	99.96	159.8	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:20	276.9	9.13	1.000	2992.2	17.79	49.82	81.35	99.96	159.8	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:25	277.5	9.06	1.000	2992.9	17.79	49.83	80.88	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:30	277.4	8.99	1.000	2993.6	17.79	49.84	80.71	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:35	277.2	8.93	1.000	2994.3	17.79	49.85	80.54	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:40	277.0	8.86	1.000	2994.5	17.79	49.85	80.37	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:45	276.8	8.79	1.000	2993.2	17.79	49.86	80.20	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:50	277.7	8.73	1.000	2992.0	17.79	49.87	80.03	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:30:55	277.7	8.66	1.000	2991.3	17.79	49.88	80.20	99.96	159.9	549.9	40.97	565.9	390.8	389.2
12-Oct-15	14:31:00	277.8	8.60	1.000	2987.6	17.79	49.89	80.07	99.96	160.1	549.9	40.97	566.2	390.8	389.2
12-Oct-15	14:31:05	277.4	8.53	1.000	2989.5	17.79	49.89	80.33	99.96	160.1	550.1	40.97	566.2	390.9	389.2
12-Oct-15	14:31:10	277.3	8.51	1.000	2993.4	17.79	49.90	80.43	99.96	160.1	550.2	40.98	566.2	390.8	389.2
12-Oct-15	14:31:15	277.2	8.51	1.000	2994.4	17.79	49.91	80.32	99.96	160.3	550.3	40.99	566.3	390.9	389.2
12-Oct-15	14:31:20	277.4	8.51	1.000	2994.4	17.79	49.91	80.21	99.95	160.1	550.3	40.99	566.2	390.9	389.2
12-Oct-15	14:31:25	277.5	8.51	1.000	2996.4	17.79	49.91	80.09	99.95	160.2	550.2	40.99	566.2	390.9	389.3
12-Oct-15	14:31:30	277.6	8.63	1.000	2993.9	17.79	49.92	79.98	99.95	160.2	550.2	40.99	566.3	390.9	389.3
12-Oct-15	14:31:35	277.5	8.77	1.000	2992.9	17.79	49.93	80.04	99.94	160.2	550.2	41.00	566.3	390.9	389.3
12-Oct-15	14:31:40	277.3	8.92	1.000	2994.2	17.78	49.93	80.28	99.94	160.2	550.1	41.00	566.3	390.9	389.3
12-Oct-15	14:31:45	277.4	9.06	1.000	2994.6	17.78	49.94	80.25	99.93	160.2	550.1	41.00	566.3	390.9	389.3
12-Oct-15	14:31:50	277.5	9.20	1.000	2997.9	17.78	49.95	79.93	99.93	160.2	550.1	41.00	566.3	390.9	389.3
12-Oct-15	14:31:55	277.6	9.35	1.000	2998.8	17.78	49.96	80.45	99.92	160.3	550.0	41.00	566.3	390.9	389.3
12-Oct-15	14:32:00	277.7	9.49	1.000	2998.3	17.78	49.95	80.03	99.92	160.3	550.0	41.00	566.3	390.9	389.3
12-Oct-15	14:32:05	277.8	9.64	1.000	2997.2	17.78	49.93	79.94	99.91	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:10	278.0	9.69	1.000	2995.6	17.78	49.92	79.84	99.91	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:15	277.7	9.69	1.000	2995.6	17.78	49.92	80.14	99.90	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:20	277.4	9.69	1.000	2995.3	17.78	49.94	80.73	99.90	160.3	549.9	41.00	566.3	390.9	389.3
12-Oct-15	14:32:25	276.9	9.69	1.000	2999.1	17.78	49.96	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:36:20	276.5	9.60	1.000	2995.1	17.78	49.89	83.20	99.94	159.8	549.5	41.05	566.7	391.0	389.5
12-Oct-15	14:36:25	277.1	9.60	1.000	2993.9	17.78	49.89	82.97	99.94	159.8	549.6	41.05	566.7	391.0	389.5
12-Oct-15	14:36:30	277.4	9.52	1.000	2990.9	17.78	49.86	82.74	99.94	159.8	549.6	41.04	566.7	391.0	389.5
12-Oct-15	14:36:35	277.2	9.42	1.000	2986.4	17.79	49.82	83.04	99.94	159.8	549.6	41.03	566.7	391.0	389.5
12-Oct-15	14:36:40	276.8	9.32	1.000	2988.0	17.79	49.80	83.51	99.94	159.8	549.6	41.03	566.7	391.0	389.5
12-Oct-15	14:36:45	276.4	9.22	1.000	2988.3	17.79	49.84	83.92	99.94	159.8	549.7	41.04	566.7	391.0	389.5
12-Oct-15	14:36:50	276.8	9.12	1.000	2988.2	17.79	49.85	83.63	99.93	159.7	549.7	41.05	566.7	391.0	389.5
12-Oct-15	14:36:55	276.7	9.02	1.000	2992.5	17.79	49.86	83.71	99.93	159.7	549.7	41.06	566.7	391.0	389.5
12-Oct-15	14:37:00	276.5	8.92	1.000	2994.4	17.79	49.87	83.78	99.93	159.7	549.7	41.07	566.7	391.0	389.5
12-Oct-15	14:37:05	276.6	8.82	1.000	2995.6	17.79	49.88	83.86	99.93	159.7	549.8	41.07	566.7	391.0	389.5
12-Oct-15	14:37:10	276.9	8.72	1.000	2995.7	17.79	49.88	83.57	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:15	276.9	8.62	1.000	2994.9	17.79	49.87	83.36	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:20	276.8	8.52	1.000	2994.7	17.79	49.86	83.40	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:25	277.3	8.42	1.000	2995.6	17.79	49.85	83.79	99.93	159.7	549.8	41.08	566.7	391.0	389.5
12-Oct-15	14:37:30	277.0	8.32	1.000	2989.3	17.79	49.84	83.75	99.93	159.7	549.8	41.08	566.7	391.0	389.4
12-Oct-15	14:37:35	276.7	8.22	1.000	2995.7	17.79	49.86	84.08	99.93	159.7	549.8	41.08	566.7	391.0	389.4
12-Oct-15	14:37:40	276.9	8.12	1.000	2995.7	17.79	49.88	83.71	99.93	159.7	549.8	41.07	566.7	391.0	389.4
12-Oct-15	14:37:45	277.1	8.02	1.000	2991.6	17.79	49.87	83.20	99.93	159.7	550.0	41.06	566.8	391.0	389.4
12-Oct-15	14:37:50	276.9	7.92	1.000	2995.1	17.79	49.86	83.47	99.93	159.7	550.1	41.05	566.8	391.0	389.4
12-Oct-15	14:37:55	277.2	7.82	1.000	2988.9	17.79	49.84	83.34	99.93	159.7	550.2	41.04	566.8	391.0	389.4
12-Oct-15	14:38:00	277.2	7.72	1.000	2988.0	17.79	49.84	83.13	99.94	159.7	550.3	41.03	566.8	391.0	389.4
12-Oct-15	14:38:05	276.8	7.62	1.000	2990.4	17.79	49.84	83.24	99.94	159.7	550.4	41.02	566.8	391.0	389.4
12-Oct-15	14:38:10	276.6	7.52	1.000	2987.9	17.79	49.85	83.36	99.94	159.7	550.5	41.02	566.8	391.0	389.3
12-Oct-15	14:38:15	276.6	7.42	1.000	2989.7	17.79	49.86	83.39	99.95	159.7	550.6	41.02	566.8	391.0	389.3
12-Oct-15	14:38:20	276.9	7.32	1.000	2991.4	17.79	49.87	83.21	99.95	159.7	550.6	41.02	566.9	391.0	389.3
12-Oct-15	14:38:25	276.6	7.22	1.000	2992.2	17.79	49.88	83.02	99.95	159.6	550.6	41.01	566.9	391.0	389.3
12-Oct-15	14:38:30	276.9	7.12	1.000	2995.2	17.79	49.89	82.84	99.95	159.6	550.6	41.01	566.9	391.0	389.3
12-Oct-15	14:38:35	277.4	7.02	1.000	2989.5	17.79	49.86	82.68	99.94	159.6	550.6	41.01	566.9	391.0	389.3
12-Oct-15	14:38:40	276.8	6.92	1.000	2991.8	17.79	49.85	83.24	99.94	159.6	550.7	41.01	566.9	391.0	389.3
12-Oct-15	14:38:45	276.4	6.82	1.000	2995.1	17.79	49.87	83.55	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:38:50	276.4	6.72	1.000	2995.6	17.79	49.89	83.56	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:38:55	276.8	6.62	1.000	2995.5	17.79	49.88	83.23	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:00	276.6	6.52	1.000	2993.0	17.79	49.88	83.10	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:05	276.7	6.42	1.000	2993.9	17.79	49.87	83.20	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:10	276.4	6.32	1.000	2995.1	17.79	49.86	83.30	99.94	159.5	550.7	41.00	567.0	391.0	389.3
12-Oct-15	14:39:15	276.4	6.22	1.000	2998.3	17.79	49.86	83.24	99.94	159.5	550.8	41.00	567.0	391.0	389.3
12-Oct-15	14:39:20	277.0	6.12	1.000	2994.0	17.79	49.85	82.78	99.94	159.5	550.8	40.99	567.0	391.0	389.3
12-Oct-15	14:39:25	277.0	6.02	1.000	2987.8	17.79	49.84	82.72	99.94	159.5	550.7	40.99	567.0	391.0	389.3
12-Oct-15	14:39:30	277.0	5.92	1.000	2989.6	17.79	49.84	82.94	99.93	159.5	550.7	40.98	567.0	391.0	389.3
12-Oct-15	14:39:35	276.2	5.82	1.000	2994.5	17.79	49.84	83.31	99.93	159.5	550.7	40.97	567.1	391.0	389.3
12-Oct-15	14:39:40	276.0	5.72	1.000	2994.6	17.79	49.84	83.33	99.93	159.4	550.7	40.96	567.1	391.0	389.3
12-Oct-15	14:39:45	276.8	5.62	1.000	2989.6	17.79	49.84	83.15	99.93	159.4	550.7	40.96	567.1	391.0	389.3
12-Oct-15	14:39:50	276.5	5.52	1.000	2989.3	17.79	49.86	83.36	99.93	159.4	550.6	40.95	567.1	391.1	389.3
12-Oct-15	14:39:55	276.8	5.42	1.000	2994.2	17.79	49.88	83.53	99.92	159.4	550.6	40.95	567.1	391.0	389.3
12-Oct-15	14:40:00	276.9	5.32	1.000	2995.7	17.79	49.89	82.75	99.92	159.4	550.6	40.96	567.1	391.0	389.3
12-Oct-15	14:40:05	276.5	5.22	1.000	2995.4	17.79	49.90	83.19	99.92	159.4	550.6	40.96	567.1	391.1	389.3
12-Oct-15	14:40:10	276.5	5.12	1.000	2995.4	17.79	49.91	82.85	99.92	159.4	550.6	40.97	567.1	391.0	389.3
12-Oct-15	14:40:15	276.7	5.02	1.000	2995.5	17.79	49.92	82.96	99.92	159.4	550.5	40.97	567.1	391.0	389.3
12-Oct-15	14:40:20	276.5	4.92	1.000	2995.6	17.79	49.93	82.68	99.92	159.4	550.5	40.98	567.1	391.1	389.3
12-Oct-15	14:40:25	276.4	4.82	1.000	2993.8	17.79	49.93	82.99	99.92	159.4	550.5	40.99	567.1	391.1	389.3
12-Oct-15	14:40:30	276.5	4.72	1.000	2997.0	17.79	49.94	82.97	99.92	159.4	550.5	40.99	567.1	391.1	389.3
12-Oct-15	14:40:35	277.4	4.62	1.000	2993.0	17.79	49.91	82.60	99.92	159.4	550.5	41.00	567.1	391.1	389.3
12-Oct-15	14:40:40	277.1	4.52	1.000	2987.9	17.79	49.88	82.82	99.92	159.5	550.5	41.00	567.1	391.1	389.3
12-Oct-15	14:40:45	276.4	4.42	1.000	2995.1	17.79	49.85	83.04	99.92	159.5	550.5	41.00	567.1	391.1	389.3
12-Oct-15	14:40:50	276.2	4.32	1.000	2996.4	17.79	49.89	82.90	99.92	159.5	550.5	41.00	567.1	391.1	389.4
12-Oct-15	14:40:55	276.9	4.22	1.000	2993.0	17.79	49.89	82.60	99.92	159.5	550.5	41.00	567.1	391.1	389.4
12-Oct-15	14:41:00	276.8	4.12	1.000	2990.7	17.79	49.88	82.59	99.92	159.5	550.5	41.00	567.1	391.1	389.4
12-Oct-15	14:41:05	276.0	4.02	1.000	2994.4	17.79	49.89	82.59	99.93	159.5	550.6	40.99	567.2	391.1	389.4
12-Oct-15	14:41:10	276.5	3.92	1.000	2992.6	17.79	49.89	82.59	99.93	159.5	550.6	40.99	567.2	391.1	389.4
12-Oct-15	14:41:15	276.9	3.82	1.000	2992.9	17.79	49.89	82.60	99.97	159.5	550.6	40.99	567.2	391.1	389.4
12-Oct-15	14:41:20	276.6	3.72	1.000	2991.8	17.79	49.89	82.61	99.99	159.5	550.6	40.98	567.2	391.1	389.4
12-Oct-15	14:41:25	276.9	3.62	1.000	2991.2	17.79	49.89	82.61	99.99	159.5	550.6	40.98	567.1	391.1	389.4
12-Oct-15	14:41:30	276.6	3.52	1.000	2990.8	17.79	49.89	82.62	99.98	159.5	550.6	40.97	567.1	391.1	389.4
12-Oct-15	14:41:35	276.7	3.42	1.000	2992.9	17.79	49.88	82.63	99.97	159.5	550.6	40.97	567.1	391.1	389.4
12-Oct-15	14:41:40	276.9	3.32	1.000	2993.5	17.79	49.87	82.64	99.96	159.5	550.6	40.97	567.1	391.1	389.4
12-Oct-15	14:41:45	276.8	3.22	1.000	2993.0	17.79	49.86	82.64	99.96	159.5	550.5	40.97	567.0	391.2	389.4
12-Oct-15	14:41:50	276.6	3.12	1.000	2987.7	17.79	49.86	82.65	99.95	159.5	550.5	40.97	567.0	391.2	389.4
12-Oct-15	14:41:55	276.9	3.02	1.000	2987.9	17.79	49.87	82.66	99.94	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:00	276.6	2.92	1.000	2993.3	17.79	49.87	82.69	99.93	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:05	276.8	2.82	1.000	2989.1	17.79	49.88	82.65	99.93	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:10	276.6	2.72	1.000	2988.5	17.79	49.89	82.60	99.92	159.5	550.5	40.97	567.0	391.2	389.5
12-Oct-15	14:42:15	276.4	2.62	1.000	2993.0	17.79	49.89	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:46:10	277.2	8.19	1.000	2991.6	17.76	49.85	79.93	99.91	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:15	277.4	8.19	1.000	2991.0	17.76	49.84	80.28	99.93	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:20	277.6	8.19	0.999	2988.0	17.76	49.83	80.03	99.95	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:25	276.7	8.19	0.999	2992.4	17.76	49.83	80.55	99.95	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:30	277.0	8.92	0.999	2993.0	17.77	49.88	80.12	99.96	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:35	277.8	9.07	0.999	2991.0	17.78	49.84	79.84	99.96	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:40	276.9	8.41	0.999	2990.8	17.79	49.85	80.19	99.97	159.8	551.1	40.99	566.6	391.4	389.8
12-Oct-15	14:46:45	277.0	7.75	0.999	2993.0	17.79	49.86	80.14	99.97	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:46:50	277.2	7.54	0.999	2994.5	17.79	49.88	80.03	99.97	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:46:55	277.2	7.87	0.999	2992.6	17.79	49.88	79.93	99.98	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:00	277.2	8.19	0.999	2992.5	17.79	49.87	79.83	99.98	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:05	277.4	8.52	0.999	2990.3	17.79	49.86	79.82	99.99	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:10	277.2	8.85	0.999	2989.0	17.79	49.85	79.92	99.99	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:15	277.1	9.18	0.999	2989.1	17.79	49.84	80.02	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:20	277.0	9.29	0.999	2991.5	17.79	49.83	80.12	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:25	276.9	9.29	0.999	2988.9	17.79	49.84	80.22	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:30	276.8	9.29	0.999	2990.5	17.79	49.85	80.32	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:35	277.0	9.29	0.999	2991.2	17.79	49.85	80.36	100.00	159.8	551.1	40.99	566.6	391.4	389.9
12-Oct-15	14:47:40	277.0	9.29	0.999	2988.6	17.79	49.86	80.36	100.00	160.0	551.1	41.00	566.6	391.4	390.0
12-Oct-15	14:47:45	276.4	9.29	0.999	2994.1	17.79	49.87	80.36	100.00	160.0	551.1	41.02	566.6	391.4	390.0
12-Oct-15	14:47:50	277.0	9.29	1.000	2992.4	17.79	49.87	80.45	99.99	160.0	551.1	41.04	566.6	391.4	390.0
12-Oct-15	14:47:55	276.9	9.29	1.000	2993.0	17.79	49.88	80.65	99.98	160.0	551.1	41.04	566.6	391.5	390.0
12-Oct-15	14:48:00	277.2	9.29	1.000	2989.3	17.79	49.85	80.85	99.97	160.0	551.1	41.05	566.6	391.5	390.0
12-Oct-15	14:48:05	276.9	9.29	0.999	2987.2	17.79	49.83	81.26	99.95	160.0	551.0	41.05	566.6	391.5	390.0
12-Oct-15	14:48:10	276.5	9.12	0.999	2988.4	17.79	49.79	81.26	99.94	160.0	551.0	41.05	566.6	391.5	390.0
12-Oct-15	14:48:15	276.3	8.91	0.999	2988.5	17.79	49.82	81.43	99.92	160.0	551.0	41.06	566.6	391.5	390.0
12-Oct-15	14:48:20	276.8	8.83	0.999	2990.1	17.79	49.84	81.44	99.91	160.0	551.0	41.06	566.6	391.5	390.0
12-Oct-15	14:48:25	276.6	8.82	0.999	2990.9	17.79	49.85	81.46	99.92	160.1	551.0	41.06	566.6	391.4	390.0
12-Oct-15	14:48:30	276.4	8.80	0.999	2994.1	17.79	49.87	81.48	99.92	160.1	551.0	41.07	566.6	391.4	390.0
12-Oct-15	14:48:35	276.7	8.79	0.999	2995.5	17.79	49.88	81.49	99.92	160.1	551.0	41.07	566.6	391.5	390.0
12-Oct-15	14:48:40	276.5	8.77	0.999	2994.9	17.79	49.87	81.51	99.92	160.1	550.9	41.07	566.6	391.5	390.0
12-Oct-15	14:48:45	276.7	8.76	0.999	2993.1	17.79	49.86	81.32	99.93	160.1	550.9	41.08	566.6	391.5	390.1
12-Oct-15	14:48:50	277.0	8.74	0.999	2994.5	17.79	49.84	80.94	99.93	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:48:55	277.6	8.73	0.999	2991.3	17.79	49.83	80.98	99.93	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:00	277.0	8.71	0.999	2992.1	17.79	49.84	81.40	99.93	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:05	276.6	8.70	0.999	2993.6	17.79	49.85	81.79	99.94	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:10	276.5	8.68	0.999	2995.2	17.78	49.86	82.09	99.94	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:15	276.4	8.67	0.999	2994.6	17.78	49.88	82.35	99.94	160.1	550.9	41.08	566.4	391.5	390.1
12-Oct-15	14:49:20	277.0	8.66	0.999	2993.5	17.78	49.87	81.59	99.94	160.1	550.8	41.08	566.4	391.5	390.1
12-Oct-15	14:49:25	277.3	8.66	0.999	2991.6	17.78	49.85	81.77	99.94	160.1	550.8	41.09	566.4	391.5	390.1
12-Oct-15	14:49:30	277.0	8.66	0.999	2992.0	17.78	49.84	81.31	99.94	160.1	550.8	41.10	566.4	391.5	390.1
12-Oct-15	14:49:35	277.0	8.66	0.999	2993.5	17.78	49.83	81.81	99.94	160.2	550.8	41.11	566.4	391.5	390.2
12-Oct-15	14:49:40	277.0	8.66	0.999	2995.0	17.78	49.83	81.86	99.93	160.2	550.8	41.12	566.4	391.5	390.2
12-Oct-15	14:49:45	277.3	8.66	0.999	2991.4	17.78	49.83	81.65	99.93	160.2	550.8	41.13	566.4	391.5	390.2
12-Oct-15	14:49:50	277.5	8.67	0.999	2990.9	17.78	49.84	81.57	99.93	160.2	550.8	41.13	566.4	391.5	390.2
12-Oct-15	14:49:55	277.2	8.67	0.999	2990.3	17.78	49.84	81.82	99.92	160.2	550.8	41.13	566.4	391.5	390.2
12-Oct-15	14:50:00	277.0	8.68	0.999	2989.5	17.78	49.85	82.04	99.92	160.2	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:05	277.1	8.68	0.999	2988.9	17.78	49.86	81.88	99.91	160.1	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:10	277.2	8.69	0.999	2988.4	17.78	49.86	81.73	99.91	160.1	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:15	277.0	8.69	0.999	2988.0	17.78	49.87	81.63	99.90	160.1	550.7	41.13	566.5	391.5	390.2
12-Oct-15	14:50:20	276.7	8.70	0.999	2993.1	17.78	49.88	82.06	99.90	160.1	550.7	41.12	566.5	391.5	390.2
12-Oct-15	14:50:25	276.7	8.72	0.999	2995.7	17.78	49.88	81.72	99.90	160.1	550.7	41.12	566.5	391.5	390.2
12-Oct-15	14:50:30	277.2	8.74	0.999	2993.1	17.78	49.87	81.37	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:35	277.3	8.76	0.999	2991.2	17.78	49.85	81.40	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:40	277.5	8.77	0.999	2988.4	17.78	49.84	80.79	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:45	277.1	8.79	0.999	2989.5	17.78	49.85	81.61	99.90	160.1	550.7	41.12	566.5	391.5	390.3
12-Oct-15	14:50:50	276.7	8.81	0.999	2994.2	17.78	49.88	82.06	99.90	160.1	550.7	41.12	566.5	391.6	390.3
12-Oct-15	14:50:55	277.1	8.83	0.999	2995.6	17.78	49.90	81.90	99.90	160.1	550.7	41.12	566.5	391.6	390.3
12-Oct-15	14:51:00	277.0	8.85	0.999	2999.1	17.78	49.92	82.07	99.90	160.1	550.7	41.12	566.5	391.6	390.3
12-Oct-15	14:51:05	277.2	8.86	0.999	2998.3	17.78	49.93	82.24	99.90	160.1	550.7	41.12	566.4	391.6	390.3
12-Oct-15	14:51:10	277.5	8.88	0.999	2993.6	17.78	49.90	81.43	99.90	160.1	550.7	41.11	566.4	391.6	390.3
12-Oct-15	14:51:15	277.6	8.90	0.999	2990.9	17.78	49.88	81.72	99.91	160.0	550.7	41.11	566.4	391.6	390.3
12-Oct-15	14:51:20	276.6	8.91	0.999	2995.1	17.78	49.88	82.10	99.91	160.0	550.7	41.10	566.4	391.6	390.3
12-Oct-15	14:51:25	277.5	8.91	0.999	2991.8	17.78	49.88	81.29	99.91	160.0	550.6	41.10	566.4	391.5	390.3
12-Oct-15	14:51:30	277.1	8.89	0.999	2993.8	17.78	49.89	81.63	99.92	160.0	550.6	41.10	566.3	391.6	390.4
12-Oct-15	14:51:35	277.1	8.86	0.999	2992.4	17.78	49.89	82.17	99.92	160.0	550.6	41.09	566.3	391.6	390.3
12-Oct-15	14:51:40	277.3	8.83	0.999	2993.1	17.78	49.90	81.67	99.92	160.0	550.6	41.09	566.3	391.6	390.4
12-Oct-15	14:51:45	277.1	8.81	0.999	2990.9	17.78	49.91	81.75	99.93	160.0	550.5	41.09	566.3	391.6	390.4
12-Oct-15	14:51:50	276.9	8.78	0.999	2990.0	17.78	49.91	81.82	99.93	160.0	550.5	41.08	566.3	391.6	390.4
12-Oct-15	14:51:55	276.9	8.75	0.999	2994.5	17.78	49.92	81.90	99.93	160.0	550.5	41.08	566.3	391.6	390.4
12-Oct-15	14:52:00	276.8	8.73	0.999	2995.7	17.78	49.92	81.96	99.94	160.0	550.4	41.08	566.3	391.6	390.4
12-Oct-15	14:52:05	277.0	8.70	0.999	2994.4	17.78	49.93	81.80	99.9						

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	14:56:00	277.0	8.94	0.999	2992.6	17.79	49.90	81.85	99.97	160.2	550.6	41.08	566.4	391.7	390.6
12-Oct-15	14:56:05	277.0	8.94	0.999	2992.5	17.79	49.92	81.85	99.97	160.2	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:10	277.0	8.94	1.000	2995.3	17.79	49.93	81.91	99.97	160.2	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:15	276.9	8.94	1.000	2997.5	17.79	49.93	82.04	99.96	160.2	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:20	277.3	8.94	1.000	2994.3	17.79	49.90	81.42	99.95	160.1	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:25	277.0	8.94	0.999	2994.2	17.79	49.88	81.87	99.95	160.1	550.6	41.08	566.6	391.7	390.6
12-Oct-15	14:56:30	277.1	8.93	0.999	2994.4	17.79	49.89	82.10	99.95	160.1	550.6	41.07	566.6	391.7	390.6
12-Oct-15	14:56:35	277.3	8.93	0.999	2993.8	17.79	49.91	82.17	99.96	160.1	550.6	41.07	566.6	391.7	390.6
12-Oct-15	14:56:40	276.6	8.92	0.999	2992.3	17.79	49.92	82.25	99.96	160.1	550.6	41.07	566.6	391.7	390.6
12-Oct-15	14:56:45	276.8	8.91	1.000	2998.0	17.79	49.93	82.30	99.96	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:56:50	277.0	8.90	1.000	2997.5	17.79	49.93	82.07	99.96	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:56:55	277.5	8.90	1.000	2997.3	17.79	49.92	81.84	99.96	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:57:00	277.2	8.89	1.000	2998.8	17.79	49.92	81.79	99.97	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:57:05	277.3	8.88	0.999	2997.5	17.78	49.91	81.84	99.97	160.1	550.5	41.07	566.7	391.7	390.6
12-Oct-15	14:57:10	277.4	8.88	0.999	2993.9	17.78	49.90	81.89	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:15	276.8	8.87	0.999	2995.9	17.78	49.90	81.94	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:20	277.1	8.86	0.999	2994.0	17.78	49.89	81.99	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:25	277.4	8.86	1.000	2995.2	17.77	49.88	82.04	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:30	276.7	8.86	1.000	2995.4	17.77	49.89	82.39	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:35	276.5	8.86	1.000	2999.3	17.77	49.92	82.39	99.97	160.1	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:40	277.2	8.86	1.000	2995.4	17.77	49.92	81.82	99.97	160.0	550.4	41.07	566.7	391.7	390.6
12-Oct-15	14:57:45	277.3	8.86	1.000	2995.6	17.76	49.89	81.57	99.97	159.9	550.4	41.05	566.7	391.7	390.7
12-Oct-15	14:57:50	276.7	8.86	1.000	2996.0	17.76	49.89	82.39	99.97	159.9	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:57:55	276.8	8.86	0.999	2999.3	17.76	49.92	82.40	99.96	159.9	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:00	277.1	8.86	0.999	2999.4	17.76	49.92	81.94	99.96	159.8	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:05	277.5	8.86	0.999	2995.5	17.76	49.93	81.59	99.95	159.8	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:10	277.3	8.09	0.999	2995.3	17.76	49.89	82.23	99.95	159.8	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:15	276.4	7.18	0.999	2997.3	17.76	49.92	82.92	99.94	159.8	550.4	41.04	566.6	391.7	390.6
12-Oct-15	14:58:20	276.7	8.80	0.999	2999.7	17.77	49.96	82.46	99.93	159.7	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:25	277.3	8.61	0.999	2997.1	17.77	49.96	81.79	99.93	159.7	550.4	41.04	566.6	391.7	390.7
12-Oct-15	14:58:30	276.9	8.41	0.999	2993.7	17.77	49.93	82.10	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:35	276.3	8.22	0.999	2998.6	17.77	49.94	82.66	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:40	276.5	8.03	0.999	2998.8	17.77	49.94	82.84	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:45	276.6	7.83	0.999	2997.0	17.77	49.95	83.02	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:50	276.4	7.64	0.999	2996.6	17.77	49.96	83.20	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:58:55	276.6	7.44	0.999	2994.2	17.77	49.96	83.38	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:00	276.3	7.25	0.999	2997.6	17.77	49.97	83.49	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:05	276.1	7.05	0.999	2998.9	17.77	49.98	83.42	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:10	275.8	6.86	1.000	3002.8	17.77	49.99	83.24	99.93	159.7	550.4	41.04	566.5	391.7	390.7
12-Oct-15	14:59:15	276.7	8.07	1.000	3001.8	17.77	50.01	82.77	99.93	159.7	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:20	276.0	8.15	1.000	2999.6	17.77	49.98	82.87	99.93	159.6	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:25	276.1	7.27	1.000	3002.4	17.77	49.99	83.14	99.93	159.6	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:30	276.1	6.78	1.000	3000.8	17.77	50.00	83.57	99.93	159.5	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:35	276.4	6.78	1.000	3001.2	17.77	50.01	83.36	99.93	159.5	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:40	276.1	6.78	1.000	3000.6	17.77	50.02	83.14	99.94	159.5	550.4	41.04	566.5	391.8	390.7
12-Oct-15	14:59:45	276.4	6.78	1.000	3000.1	17.77	50.03	82.93	99.94	159.5	550.4	41.05	566.5	391.8	390.8
12-Oct-15	14:59:50	277.0	6.19	1.000	3001.9	17.77	50.00	82.71	99.94	159.5	550.4	41.05	566.5	391.8	390.8
12-Oct-15	14:59:55	276.3	6.86	1.000	2997.0	17.77	49.98	83.18	99.94	159.4	550.4	41.06	566.5	391.8	390.8
12-Oct-15	15:00:00	276.1	7.74	1.000	3000.8	17.77	50.00	83.31	99.94	159.4	550.4	41.08	566.5	391.8	390.8
12-Oct-15	15:00:05	277.0	8.62	1.000	3003.6	17.77	50.01	82.80	99.94	159.4	550.5	41.09	566.5	391.8	390.8
12-Oct-15	15:00:10	276.2	8.69	1.000	3004.6	17.77	50.02	83.12	99.95	159.4	550.5	41.09	566.5	391.8	390.8
12-Oct-15	15:00:15	276.5	8.63	1.000	3004.8	17.77	50.03	83.06	99.95	159.4	550.5	41.07	566.5	391.8	390.8
12-Oct-15	15:00:20	276.5	8.56	1.000	3003.7	17.77	50.02	83.00	99.95	159.4	550.5	41.06	566.5	391.8	390.8
12-Oct-15	15:00:25	276.4	8.50	1.000	3003.3	17.77	50.02	82.94	99.95	159.4	550.5	41.04	566.5	391.8	390.8
12-Oct-15	15:00:30	276.3	8.44	1.000	3002.7	17.77	50.01	82.88	99.95	159.4	550.5	41.04	566.5	391.8	390.8
12-Oct-15	15:00:35	276.3	8.38	1.000	3001.1	17.76	50.00	82.82	99.95	159.4	550.5	41.03	566.5	391.8	390.8
12-Oct-15	15:00:40	276.4	8.31	1.000	3001.0	17.76	50.00	82.76	99.95	159.4	550.5	41.02	566.5	391.8	390.8
12-Oct-15	15:00:45	276.5	8.15	1.000	3000.3	17.76	49.99	82.40	99.95	159.4	550.5	41.01	566.5	391.8	390.8
12-Oct-15	15:00:50	276.4	8.19	1.000	2999.6	17.76	49.98	82.64	99.95	159.4	550.5	41.00	566.5	391.9	390.8
12-Oct-15	15:00:55	276.2	8.13	1.000	2999.8	17.76	49.97	82.58	99.95	159.4	550.5	41.00	566.5	391.9	390.9
12-Oct-15	15:01:00	276.2	8.07	1.000	2999.5	17.76	49.96	82.52	99.95	159.4	550.5	40.99	566.5	391.8	390.8
12-Oct-15	15:01:05	276.7	8.00	1.000	2997.0	17.76	49.95	82.48	99.95	159.3	550.5	40.99	566.4	391.8	390.9
12-Oct-15	15:01:10	276.4	7.99	0.999	2997.1	17.76	49.94	82.81	99.96	159.3	550.5	40.98	566.4	391.8	390.9
12-Oct-15	15:01:15	276.1	7.99	0.999	2999.2	17.76	49.96	83.32	99.97	159.2	550.5	40.98	566.4	391.8	390.9
12-Oct-15	15:01:20	276.6	7.99	1.000	2997.1	17.76	49.98	82.61	99.98	159.2	550.5	40.97	566.4	391.8	390.9
12-Oct-15	15:01:25	276.3	7.99	1.000	2997.1	17.76	49.98	82.66	99.99	159.2	550.5	40.97	566.4	391.8	390.9
12-Oct-15	15:01:30	276.4	8.08	1.000	2997.9	17.77	49.93	82.86	99.98	159.3	550.6	40.96	566.4	391.8	390.9
12-Oct-15	15:01:35	276.4	8.17	1.000	2997.1	17.77	49.94	82.66	99.98	159.3	550.6	40.95	566.4	391.9	390.9
12-Oct-15	15:01:40	276.4	8.26	1.000	2998.9	17.77	49.96	82.75	99.97	159.3	550.6	40.95	566.5	391.8	390.9
12-Oct-15	15:01:45	276.0	8.36	1.000	2998.7	17.77	49.97	82.97	99.96	159.3	550.6	40.94	566.5	391.8	390.9
12-Oct-15	15:01:50	276.5	8.45	0.999	2997.1	17.78	49.98	82.55	99.96	159.3	550.7	40.94	566.5	391.8	390.9
12-Oct-15	15:01:55	276.3	8.54	0.999	2997.9	17.78	49.97	8							



Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:05:50	277.7	8.19	0.999	2991.2	17.77	49.91	79.90	99.97	160.3	551.9	41.05	567.2	391.9	391.1
12-Oct-15	15:05:55	276.7	8.37	0.999	2998.1	17.77	49.92	79.97	99.97	160.3	551.9	41.05	567.2	391.9	391.1
12-Oct-15	15:06:00	277.7	9.82	0.999	2998.9	17.77	49.96	79.40	99.97	160.3	551.9	41.07	567.2	391.9	391.1
12-Oct-15	15:06:05	277.9	9.82	0.999	2996.4	17.77	49.95	79.10	99.97	160.3	552.0	41.10	567.2	391.9	391.1
12-Oct-15	15:06:10	278.2	9.82	0.999	2994.2	17.77	49.93	79.30	99.96	160.4	552.0	41.11	567.3	391.9	391.1
12-Oct-15	15:06:15	278.0	9.82	0.999	2994.2	17.77	49.92	79.71	99.94	160.4	552.0	41.11	567.2	391.9	391.1
12-Oct-15	15:06:20	277.2	9.82	0.999	2995.6	17.77	49.92	80.12	99.92	160.5	552.0	41.11	567.2	391.9	391.1
12-Oct-15	15:06:25	277.5	9.82	0.999	2998.6	17.77	49.92	79.63	99.90	160.5	552.0	41.12	567.2	391.9	391.1
12-Oct-15	15:06:30	277.6	9.70	0.999	2999.3	17.78	49.94	79.42	99.91	160.5	552.0	41.12	567.2	391.9	391.1
12-Oct-15	15:06:35	277.7	9.55	1.000	2997.1	17.78	49.96	79.26	99.91	160.4	552.0	41.12	567.2	391.9	391.1
12-Oct-15	15:06:40	277.8	9.41	1.000	3001.3	17.79	49.97	79.11	99.92	160.4	551.9	41.13	567.2	391.9	391.1
12-Oct-15	15:06:45	277.9	9.27	1.000	2998.6	17.80	49.96	78.95	99.92	160.4	551.9	41.13	567.2	391.9	391.1
12-Oct-15	15:06:50	277.6	9.12	1.000	3001.5	17.81	49.95	78.88	99.93	160.4	551.9	41.13	567.2	391.9	391.1
12-Oct-15	15:06:55	277.9	8.98	1.000	2996.6	17.81	49.95	78.83	99.93	160.4	551.9	41.13	567.1	391.9	391.1
12-Oct-15	15:07:00	277.7	8.85	1.000	2995.6	17.81	49.94	78.77	99.94	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:05	277.6	8.93	0.999	2998.3	17.81	49.93	78.72	99.94	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:10	277.9	9.00	0.999	2998.2	17.81	49.93	78.66	99.95	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:15	278.0	9.08	0.999	2993.2	17.81	49.92	78.87	99.95	160.4	551.8	41.14	567.1	391.9	391.1
12-Oct-15	15:07:20	277.4	9.15	0.999	2998.2	17.80	49.93	79.08	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:25	277.2	9.23	0.999	2997.5	17.80	49.95	78.96	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:30	277.6	9.31	0.999	2996.5	17.80	49.97	78.85	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:35	277.9	9.38	0.999	2998.8	17.80	49.95	78.73	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:40	278.3	9.46	0.999	2996.6	17.80	49.93	78.67	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:45	277.5	9.53	0.999	2999.4	17.80	49.93	79.13	99.96	160.4	551.7	41.14	567.1	391.9	391.1
12-Oct-15	15:07:50	277.5	9.61	0.999	2998.8	17.80	49.95	79.29	99.96	160.4	551.7	41.14	567.0	391.9	391.1
12-Oct-15	15:07:55	277.3	9.68	0.999	2996.1	17.80	49.96	79.06	99.96	160.4	551.6	41.14	567.0	391.9	391.1
12-Oct-15	15:08:00	278.0	9.75	1.000	2999.4	17.80	49.95	78.63	99.95	160.4	551.6	41.14	567.0	391.9	391.1
12-Oct-15	15:08:05	277.8	9.75	1.000	2993.2	17.80	49.92	78.72	99.95	160.4	551.6	41.14	566.9	391.9	391.1
12-Oct-15	15:08:10	277.5	9.48	1.000	2995.1	17.80	49.93	79.50	99.94	160.4	551.5	41.14	566.9	391.9	391.1
12-Oct-15	15:08:15	277.6	9.15	1.000	2993.4	17.80	49.94	79.60	99.94	160.4	551.5	41.14	566.9	391.9	391.1
12-Oct-15	15:08:20	277.3	8.83	1.000	2994.0	17.80	49.94	79.70	99.93	160.4	551.5	41.14	566.8	391.9	391.1
12-Oct-15	15:08:25	277.4	8.51	1.000	2998.4	17.80	49.95	79.80	99.93	160.4	551.5	41.14	566.8	391.9	391.1
12-Oct-15	15:08:30	277.5	8.18	1.000	2998.2	17.80	49.96	79.90	99.93	160.4	551.5	41.14	566.8	391.9	391.1
12-Oct-15	15:08:35	277.0	7.86	1.000	2996.0	17.80	49.97	80.00	99.93	160.4	551.5	41.14	566.7	391.9	391.1
12-Oct-15	15:08:40	277.3	7.76	1.000	2999.2	17.79	49.97	79.80	99.93	160.4	551.5	41.14	566.7	391.9	391.1
12-Oct-15	15:08:45	278.1	7.77	1.000	2995.4	17.79	49.93	79.57	99.93	160.4	551.5	41.14	566.7	391.9	391.1
12-Oct-15	15:08:50	277.8	7.78	1.000	2994.2	17.79	49.90	79.69	99.93	160.4	551.5	41.13	566.6	391.9	391.1
12-Oct-15	15:08:55	277.4	7.95	1.000	2995.6	17.79	49.87	79.82	99.93	160.4	551.5	41.13	566.6	391.9	391.1
12-Oct-15	15:09:00	277.5	7.80	1.000	2995.6	17.79	49.88	79.95	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:05	277.6	7.81	1.000	2995.7	17.79	49.89	80.07	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:10	277.2	7.82	1.000	2993.2	17.79	49.90	79.76	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:15	278.1	7.84	1.000	2995.6	17.79	49.90	79.21	99.93	160.4	551.5	41.13	566.5	391.9	391.1
12-Oct-15	15:09:20	277.5	7.85	1.000	2994.8	17.79	49.91	79.98	99.93	160.5	551.4	41.13	566.5	391.9	391.1
12-Oct-15	15:09:25	277.0	7.86	1.000	2997.2	17.79	49.92	80.11	99.93	160.5	551.2	41.13	566.4	391.9	391.1
12-Oct-15	15:09:30	277.9	7.87	1.000	2991.3	17.79	49.90	79.47	99.93	160.5	551.2	41.13	566.4	391.9	391.1
12-Oct-15	15:09:35	277.6	7.88	1.000	2992.4	17.79	49.87	79.49	99.93	160.5	551.2	41.13	566.3	391.9	391.1
12-Oct-15	15:09:40	277.1	7.88	1.000	2994.9	17.79	49.90	80.17	99.93	160.5	551.1	41.13	566.3	391.9	391.1
12-Oct-15	15:09:45	277.3	7.88	1.000	2999.5	17.79	49.92	80.24	99.93	160.4	551.1	41.13	566.3	391.9	391.1
12-Oct-15	15:09:50	277.3	7.89	1.000	2996.5	17.79	49.94	80.31	99.93	160.4	551.1	41.13	566.2	391.9	391.1
12-Oct-15	15:09:55	277.1	7.89	0.999	2996.4	17.79	49.97	80.38	99.93	160.4	551.0	41.13	566.2	391.9	391.1
12-Oct-15	15:10:00	277.8	7.89	0.999	2999.5	17.79	49.96	80.45	99.93	160.4	551.0	41.12	566.1	391.9	391.1
12-Oct-15	15:10:05	277.4	7.90	0.999	2998.7	17.79	49.96	80.52	99.93	160.4	551.0	41.12	566.1	391.9	391.1
12-Oct-15	15:10:10	277.2	7.90	0.999	2997.9	17.79	49.95	80.59	99.93	160.4	550.9	41.11	566.1	391.9	391.1
12-Oct-15	15:10:15	277.1	7.90	0.999	2997.1	17.79	49.94	80.66	99.94	160.4	550.9	41.10	566.1	391.9	391.1
12-Oct-15	15:10:20	277.1	7.91	0.999	2996.2	17.79	49.94	80.73	99.94	160.4	550.9	41.09	566.1	391.9	391.1
12-Oct-15	15:10:25	277.6	7.91	0.999	2995.4	17.79	49.93	80.33	99.94	160.4	550.9	41.08	566.1	391.9	391.1
12-Oct-15	15:10:30	277.5	7.91	0.999	2995.1	17.79	49.92	80.41	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:35	277.2	7.92	0.999	2993.8	17.79	49.95	80.38	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:40	277.0	7.92	0.999	2994.0	17.79	49.95	80.93	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:45	277.2	7.92	0.999	3000.7	17.79	49.96	81.28	99.94	160.4	550.9	41.07	566.1	391.9	391.1
12-Oct-15	15:10:50	277.3	7.92	0.999	3002.3	17.79	49.97	81.12	99.94	160.4	550.9	41.07	566.1	391.9	391.0
12-Oct-15	15:10:55	277.2	7.92	0.999	2999.4	17.79	49.95	80.96	99.94	160.4	550.9	41.07	566.1	391.9	391.0
12-Oct-15	15:11:00	277.6	7.92	0.999	2996.4	17.79	49.94	80.80	99.94	160.4	550.8	41.07	566.1	391.9	391.0
12-Oct-15	15:11:05	277.4	7.92	0.999	2995.2	17.79	49.92	80.78	99.94	160.4	550.8	41.08	566.0	391.9	391.0
12-Oct-15	15:11:10	277.3	7.92	0.999	2993.8	17.79	49.94	81.07	99.94	160.4	550.7	41.08	566.0	391.9	391.1
12-Oct-15	15:11:15	277.1	7.92	0.999	2998.4	17.79	49.95	81.51	99.95	160.4	550.7	41.09	566.0	391.9	391.0
12-Oct-15	15:11:20	276.9	7.92	0.999	3000.5	17.79	49.97	81.52	99.95	160.4	550.7	41.09	566.0	391.9	391.0
12-Oct-15	15:11:25	277.0	7.92	0.999	3003.0	17.79	49.98	81.47	99.96	160.4	550.6	41.10	566.0	391.9	391.0
12-Oct-15	15:11:30	277.7	7.59	0.999	2995.9	17.79	49.95	80.69	99.95	160.4	550.6	41.10	566.0	391.9	391.0
12-Oct-15	15:11:35	277.9	7.20	0.999	2995.4	17.79	49.92	80.78	99.95	160.4	550.6	41.10	565.9	391.9	391.0
12-Oct-15	15:11:40	277.1	7.04	0.999	2995.7	17.79	49.87	81.50	99.95	160.4	550.6	41.10	565.9	391.9	391.0
12-Oct-15	15:11:45	277.1	7.00	0.999	2997.1	17.79	49.91	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:15:40	276.8	7.18	1.000	2995.5	17.78	49.95	83.94	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:15:45	276.9	7.18	1.000	2996.9	17.77	49.95	83.94	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:15:50	276.9	7.18	1.000	2993.2	17.77	49.96	83.94	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:15:55	276.1	7.18	1.000	2996.5	17.77	49.96	84.45	99.91	159.6	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:16:00	276.4	7.18	1.000	2999.6	17.77	49.97	83.95	99.91	159.5	549.8	41.06	566.1	391.9	390.9
12-Oct-15	15:16:05	276.6	7.18	1.000	2999.6	17.77	49.97	83.55	99.91	159.5	549.8	41.04	566.1	391.9	390.9
12-Oct-15	15:16:10	276.6	7.18	1.000	2997.0	17.77	49.97	83.48	99.91	159.4	549.8	41.02	566.1	391.9	390.9
12-Oct-15	15:16:15	276.3	7.18	1.000	2999.6	17.77	49.97	83.40	99.91	159.3	549.8	41.01	566.1	391.9	390.9
12-Oct-15	15:16:20	276.6	7.18	1.000	2999.4	17.77	49.97	83.33	99.91	159.3	549.7	41.01	566.1	391.9	390.9
12-Oct-15	15:16:25	276.5	7.18	1.000	2995.0	17.77	49.97	83.57	99.91	159.3	549.7	41.00	566.1	391.9	390.9
12-Oct-15	15:16:30	276.2	7.42	1.000	2997.4	17.77	49.93	83.97	99.91	159.3	549.7	41.00	566.2	391.9	390.9
12-Oct-15	15:16:35	276.1	7.71	1.000	2999.6	17.77	49.96	83.65	99.91	159.3	549.7	40.99	566.2	391.9	390.9
12-Oct-15	15:16:40	276.6	7.53	1.000	2999.4	17.77	49.96	83.09	99.92	159.3	549.7	40.99	566.2	391.9	390.9
12-Oct-15	15:16:45	276.5	6.81	1.000	2999.2	17.78	49.94	83.10	99.92	159.3	549.8	40.98	566.2	391.9	390.9
12-Oct-15	15:16:50	276.3	6.09	1.000	2998.4	17.78	49.92	83.27	99.92	159.2	549.8	40.98	566.3	391.9	390.9
12-Oct-15	15:16:55	276.2	5.87	1.000	2998.1	17.78	49.94	83.24	99.92	159.2	549.8	40.98	566.3	391.9	390.9
12-Oct-15	15:17:00	276.1	6.22	1.000	2996.3	17.78	49.97	82.97	99.93	159.2	549.8	40.97	566.3	391.9	390.9
12-Oct-15	15:17:05	276.8	6.56	1.000	2998.2	17.78	49.98	82.70	99.93	159.2	549.8	40.97	566.4	391.9	390.9
12-Oct-15	15:17:10	276.0	6.91	0.999	2996.4	17.78	49.98	82.84	99.93	159.2	549.8	40.96	566.4	391.9	390.9
12-Oct-15	15:17:15	275.7	7.26	0.999	3002.4	17.78	49.99	83.03	99.93	159.2	549.9	40.96	566.4	391.9	390.9
12-Oct-15	15:17:20	276.8	7.60	0.999	2999.6	17.78	49.99	82.56	99.94	159.2	549.9	40.96	566.4	391.9	390.9
12-Oct-15	15:17:25	276.5	7.14	0.999	2999.5	17.79	50.00	82.52	99.94	159.2	549.9	40.96	566.4	391.9	390.9
12-Oct-15	15:17:30	276.3	6.55	0.999	2999.4	17.79	50.00	82.77	99.94	159.2	549.9	40.96	566.4	391.9	391.0
12-Oct-15	15:17:35	276.1	5.95	0.999	2999.7	17.79	50.01	82.85	99.94	159.2	549.9	40.96	566.4	391.9	391.0
12-Oct-15	15:17:40	276.2	5.75	0.999	3002.9	17.79	50.01	83.00	99.94	159.2	549.9	40.96	566.4	391.9	391.0
12-Oct-15	15:17:45	276.1	5.75	0.999	3002.6	17.79	50.02	83.00	99.94	159.2	550.0	40.96	566.5	391.9	391.0
12-Oct-15	15:17:50	276.0	5.75	0.999	3000.5	17.79	50.02	82.57	99.94	159.2	550.1	40.95	566.5	391.9	391.0
12-Oct-15	15:17:55	277.0	5.75	0.999	2998.1	17.79	49.99	81.96	99.94	159.2	550.1	40.95	566.6	391.9	391.0
12-Oct-15	15:18:00	276.7	5.75	0.999	2997.6	17.79	49.97	82.16	99.94	159.2	550.2	40.94	566.6	391.9	391.0
12-Oct-15	15:18:05	276.3	5.75	0.999	2996.0	17.79	49.97	82.36	99.94	159.2	550.3	40.94	566.7	391.9	391.0
12-Oct-15	15:18:10	276.5	5.93	0.999	2999.5	17.79	49.97	82.14	99.94	159.2	550.3	40.94	566.8	391.9	391.0
12-Oct-15	15:18:15	276.6	6.13	1.000	3000.0	17.79	49.97	81.86	99.94	159.2	550.4	40.93	566.8	391.9	391.0
12-Oct-15	15:18:20	276.7	6.34	1.000	2997.1	17.78	49.97	81.73	99.94	159.2	550.5	40.93	566.9	391.9	391.0
12-Oct-15	15:18:25	276.5	6.54	1.000	2997.9	17.78	49.96	81.62	99.93	159.2	550.5	40.93	566.9	391.9	391.0
12-Oct-15	15:18:30	276.5	6.75	1.000	3000.8	17.78	49.96	81.51	99.94	159.2	550.6	40.92	567.0	391.9	391.0
12-Oct-15	15:18:35	277.0	6.95	1.000	3002.7	17.77	49.96	81.40	99.94	159.2	550.6	40.92	567.0	391.9	391.0
12-Oct-15	15:18:40	276.5	6.96	0.999	3002.9	17.77	49.96	81.29	99.94	159.2	550.6	40.92	567.1	391.9	391.0
12-Oct-15	15:18:45	277.0	6.88	0.999	2999.5	17.77	49.96	81.18	99.94	159.2	550.6	40.92	567.1	391.9	391.1
12-Oct-15	15:18:50	276.6	6.80	1.000	2998.6	17.77	49.95	81.64	99.94	159.2	550.6	40.91	567.2	391.9	391.1
12-Oct-15	15:18:55	276.6	6.72	1.000	2999.2	17.76	49.95	81.40	99.94	159.2	550.6	40.91	567.2	391.9	391.1
12-Oct-15	15:19:00	276.3	6.63	1.000	2999.2	17.76	49.95	81.19	99.95	159.1	550.6	40.91	567.3	391.9	391.1
12-Oct-15	15:19:05	276.4	6.55	0.999	2997.2	17.76	49.96	81.41	99.95	159.1	550.6	40.90	567.3	391.9	391.1
12-Oct-15	15:19:10	276.1	6.47	0.999	2999.0	17.76	49.97	81.51	99.95	159.1	550.6	40.90	567.4	391.9	391.1
12-Oct-15	15:19:15	276.3	6.38	0.999	3000.4	17.76	49.98	81.25	99.95	159.1	550.6	40.90	567.4	391.9	391.1
12-Oct-15	15:19:20	276.5	6.30	0.999	2998.1	17.76	49.99	81.29	99.95	159.1	550.7	40.90	567.4	391.9	391.1
12-Oct-15	15:19:25	276.3	6.22	0.999	3002.2	17.76	50.00	81.53	99.96	159.1	551.2	40.90	567.4	391.9	391.1
12-Oct-15	15:19:30	276.8	6.13	0.999	2997.7	17.76	49.98	80.63	99.96	159.2	551.3	40.90	567.5	391.9	391.1
12-Oct-15	15:19:35	277.0	6.05	0.999	2997.2	17.76	49.97	80.24	99.95	159.2	551.4	40.90	567.5	392.0	391.1
12-Oct-15	15:19:40	277.2	6.95	0.999	2997.6	17.76	49.95	80.55	99.95	159.2	551.4	40.90	567.5	392.0	391.1
12-Oct-15	15:19:45	276.7	8.00	1.000	2995.6	17.76	49.95	80.86	99.95	159.2	551.4	40.90	567.5	392.0	391.1
12-Oct-15	15:19:50	276.1	6.14	1.000	2997.1	17.78	49.97	81.04	99.95	159.2	551.4	40.90	567.6	392.0	391.2
12-Oct-15	15:19:55	276.5	7.01	1.000	3001.1	17.79	50.00	80.55	99.95	159.2	551.5	40.90	567.6	392.0	391.2
12-Oct-15	15:20:00	277.0	7.89	1.000	2999.3	17.79	49.98	79.90	99.95	159.2	551.5	40.90	567.6	392.0	391.2
12-Oct-15	15:20:05	277.1	6.25	1.000	2995.1	17.79	49.95	79.50	99.94	159.2	551.5	40.90	567.7	392.0	391.2
12-Oct-15	15:20:10	276.6	6.36	0.999	2992.8	17.79	49.94	80.08	99.94	159.3	551.5	40.90	567.7	392.0	391.2
12-Oct-15	15:20:15	276.8	6.81	0.999	2998.6	17.79	49.94	79.80	99.94	159.3	551.6	40.91	567.7	392.0	391.2
12-Oct-15	15:20:20	276.8	7.27	0.999	2998.9	17.79	49.94	79.47	99.94	159.3	551.6	40.91	567.7	392.0	391.2
12-Oct-15	15:20:25	277.2	7.72	1.000	2999.1	17.79	49.93	79.47	99.94	159.4	551.6	40.92	567.7	392.0	391.2
12-Oct-15	15:20:30	276.5	5.93	1.000	2997.4	17.79	49.92	80.02	99.94	159.4	551.6	40.93	567.7	392.0	391.2
12-Oct-15	15:20:35	277.1	7.00	1.000	2995.8	17.79	49.92	79.50	99.94	159.4	551.6	40.93	567.7	392.0	391.2
12-Oct-15	15:20:40	277.3	7.43	0.999	2997.5	17.79	49.92	79.40	99.94	159.5	551.6	40.94	567.7	392.0	391.2
12-Oct-15	15:20:45	276.7	6.00	0.999	2998.3	17.78	49.91	80.00	99.94	159.5	551.6	40.95	567.7	392.0	391.2
12-Oct-15	15:20:50	277.1	6.73	0.999	2996.1	17.78	49.91	79.55	99.94	159.5	551.6	40.95	567.7	392.0	391.2
12-Oct-15	15:20:55	277.4	7.71	0.999	2994.0	17.78	49.90	78.81	99.94	159.5	551.6	40.95	567.7	392.0	391.2
12-Oct-15	15:21:00	277.3	7.34	0.999	2993.2	17.78	49.90	78.88	99.94	159.5	551.7	40.95	567.7	392.1	391.2
12-Oct-15	15:21:05	277.1	6.96	0.999	2995.4	17.78	49.91	79.18	99.94	159.5	551.7	40.95	567.8	392.1	391.3
12-Oct-15	15:21:10	276.9	6.59	0.999	2994.5	17.78	49.92	79.17	99.94	159.5	551.8	40.95	568.0	392.1	391.3
12-Oct-15	15:21:15	276.9	6.21	0.999	2997.1	17.78	49.93	79.08	99.94	159.5	551.9	40.95	568.0	392.1	391.3
12-Oct-15	15:21:20	277.1	5.84	0.999	2998.8	17.78	49.95	78.98	99.94	159.5	552.0	40.95	568.0	392.1	391.3
12-Oct-15	15:21:25	277.2	5.79	0.999	2996.5	17.78	49.95	78.89	99.94	159.5	552.0	40.95	568.0	392.1	391.3
12-Oct-15	15:21:30	277.0	6.46	0.999	2995.9	17.78	49.93	78.79	99.94	159.5	552.1	40.95	568.0	392.1	391.3
12-Oct-15	15:21:35	277.4	7.24	0.999	2998.2	17.78	49.91	7							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:25:30	272.2	6.37	1.000	2996.5	17.77	49.92	78.37	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:35	278.1	6.17	1.000	2993.6	17.77	49.93	78.33	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:40	277.3	5.97	1.000	2994.3	17.77	49.93	79.11	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:45	277.5	7.06	1.000	2998.0	17.77	49.94	79.02	99.97	160.5	552.4	41.15	567.2	392.3	391.5
12-Oct-15	15:25:50	277.9	7.49	1.000	2995.7	17.77	49.96	78.63	99.97	160.5	552.4	41.15	567.2	392.3	391.6
12-Oct-15	15:25:55	277.4	6.42	1.000	2999.6	17.77	49.97	79.30	99.97	160.5	552.4	41.15	567.2	392.3	391.6
12-Oct-15	15:26:00	277.0	6.52	1.000	3003.4	17.77	49.99	79.59	99.97	160.5	552.4	41.15	567.0	392.3	391.6
12-Oct-15	15:26:05	277.2	7.20	1.000	3000.1	17.77	49.98	79.59	99.97	160.5	552.4	41.15	567.0	392.3	391.5
12-Oct-15	15:26:10	277.4	7.89	1.000	2999.2	17.77	49.96	79.04	99.96	160.5	552.3	41.15	566.8	392.3	391.6
12-Oct-15	15:26:15	277.9	6.00	1.000	2994.0	17.77	49.94	78.63	99.94	160.5	552.3	41.14	566.6	392.3	391.6
12-Oct-15	15:26:20	277.1	6.00	1.000	2995.5	17.77	49.94	79.58	99.91	160.5	552.2	41.14	566.6	392.3	391.6
12-Oct-15	15:26:25	276.7	6.00	1.000	2995.6	17.77	49.94	80.27	99.89	160.4	552.2	41.13	566.5	392.3	391.6
12-Oct-15	15:26:30	277.1	6.35	1.000	2998.8	17.77	49.95	80.43	99.88	160.4	552.2	41.14	566.5	392.3	391.6
12-Oct-15	15:26:35	277.0	6.74	1.000	2997.2	17.77	49.96	80.60	99.88	160.4	552.1	41.14	566.4	392.3	391.6
12-Oct-15	15:26:40	277.2	7.14	1.000	2997.4	17.77	49.97	80.76	99.89	160.4	552.1	41.15	566.4	392.3	391.6
12-Oct-15	15:26:45	277.0	7.54	1.000	2999.9	17.77	49.98	80.92	99.89	160.4	552.1	41.15	566.4	392.3	391.6
12-Oct-15	15:26:50	277.2	7.91	1.000	2997.0	17.77	49.98	81.07	99.90	160.4	552.1	41.16	566.3	392.3	391.6
12-Oct-15	15:26:55	277.0	7.89	1.000	3001.6	17.77	49.97	81.22	99.90	160.4	552.0	41.16	566.3	392.3	391.6
12-Oct-15	15:27:00	276.9	7.86	1.000	3002.9	17.77	49.96	81.37	99.91	160.4	552.0	41.16	566.2	392.3	391.6
12-Oct-15	15:27:05	277.4	7.84	1.000	2999.4	17.78	49.95	81.51	99.91	160.4	552.0	41.17	566.2	392.3	391.6
12-Oct-15	15:27:10	277.1	7.81	1.000	2997.2	17.78	49.94	81.66	99.92	160.4	552.0	41.17	566.1	392.3	391.6
12-Oct-15	15:27:15	276.5	7.79	1.000	2998.7	17.78	49.96	81.78	99.92	160.4	551.9	41.18	566.1	392.3	391.6
12-Oct-15	15:27:20	276.7	7.77	1.000	3002.5	17.78	49.98	81.31	99.93	160.4	551.9	41.18	566.1	392.3	391.6
12-Oct-15	15:27:25	277.2	7.74	1.000	2999.3	17.78	49.99	80.81	99.93	160.4	551.9	41.19	566.1	392.3	391.6
12-Oct-15	15:27:30	276.7	7.72	1.000	2999.4	17.78	49.98	81.80	99.94	160.4	551.9	41.19	566.1	392.3	391.6
12-Oct-15	15:27:35	276.9	7.69	1.000	2996.7	17.78	49.97	81.80	99.94	160.4	551.9	41.19	566.1	392.3	391.6
12-Oct-15	15:27:40	276.9	7.67	1.000	2995.9	17.78	49.97	81.80	99.94	160.4	551.8	41.18	566.1	392.3	391.6
12-Oct-15	15:27:45	277.0	7.65	1.000	2995.6	17.78	49.96	81.80	99.94	160.3	551.8	41.18	566.1	392.3	391.6
12-Oct-15	15:27:50	277.1	7.62	1.000	2999.8	17.78	49.95	81.92	99.94	160.3	551.8	41.17	566.0	392.3	391.6
12-Oct-15	15:27:55	277.4	7.62	1.000	2996.7	17.78	49.95	82.17	99.94	160.3	551.7	41.17	566.0	392.3	391.6
12-Oct-15	15:28:00	277.1	7.62	1.000	2998.6	17.78	49.94	82.42	99.94	160.3	551.7	41.16	566.0	392.3	391.6
12-Oct-15	15:28:05	276.6	7.62	1.000	2997.8	17.78	49.94	82.68	99.94	160.2	551.6	41.16	566.0	392.3	391.6
12-Oct-15	15:28:10	276.0	7.68	1.000	3001.4	17.78	49.98	82.72	99.94	160.2	551.6	41.15	566.0	392.3	391.6
12-Oct-15	15:28:15	276.9	7.74	1.000	2999.3	17.78	49.97	82.06	99.93	160.2	551.6	41.15	566.0	392.3	391.6
12-Oct-15	15:28:20	276.9	7.80	1.000	2999.4	17.78	49.94	82.50	99.93	160.1	551.5	41.14	565.9	392.3	391.6
12-Oct-15	15:28:25	276.6	7.86	1.000	2996.8	17.78	49.96	82.63	99.93	160.1	551.5	41.14	565.9	392.3	391.6
12-Oct-15	15:28:30	276.3	7.92	1.000	3002.3	17.77	49.98	82.18	99.93	160.1	551.4	41.14	565.9	392.3	391.6
12-Oct-15	15:28:35	277.2	7.99	1.000	2996.2	17.77	49.97	82.14	99.93	160.1	551.4	41.14	565.8	392.3	391.6
12-Oct-15	15:28:40	276.8	8.05	1.000	2998.6	17.77	49.95	82.74	99.93	160.1	551.4	41.14	565.8	392.3	391.6
12-Oct-15	15:28:45	276.4	8.11	1.000	2998.2	17.77	49.98	83.16	99.93	160.1	551.4	41.14	565.7	392.3	391.6
12-Oct-15	15:28:50	276.5	8.14	1.000	2996.7	17.77	49.98	82.56	99.93	160.1	551.4	41.14	565.7	392.3	391.6
12-Oct-15	15:28:55	276.9	7.64	1.000	2996.5	17.77	49.97	82.66	99.93	160.1	551.4	41.14	565.7	392.3	391.6
12-Oct-15	15:29:00	276.7	7.13	1.000	2996.1	17.77	49.97	83.00	99.93	160.1	551.4	41.14	565.6	392.3	391.6
12-Oct-15	15:29:05	276.4	6.63	1.000	2997.9	17.77	49.96	83.31	99.93	160.1	551.4	41.14	565.6	392.3	391.6
12-Oct-15	15:29:10	276.4	6.91	1.000	3001.4	17.77	49.95	82.96	99.93	160.1	551.4	41.14	565.5	392.3	391.6
12-Oct-15	15:29:15	277.9	6.95	1.000	2996.5	17.77	49.94	81.98	99.93	160.1	551.4	41.14	565.5	392.3	391.6
12-Oct-15	15:29:20	277.0	6.97	1.000	2993.2	17.77	49.94	82.39	99.93	160.1	551.4	41.14	565.5	392.3	391.6
12-Oct-15	15:29:25	277.0	3.97	1.000	2992.9	17.77	49.95	82.39	99.93	160.0	551.2	41.13	565.5	392.3	391.6
12-Oct-15	15:29:30	276.7	3.97	1.000	2994.8	17.77	49.96	83.05	99.95	160.0	551.1	41.13	565.6	392.3	391.5
12-Oct-15	15:29:35	276.6	3.97	1.000	2996.1	17.77	49.97	83.35	99.95	160.0	551.1	41.13	565.6	392.3	391.5
12-Oct-15	15:29:40	276.9	3.97	1.000	2998.8	17.77	49.98	83.03	99.94	160.0	551.1	41.13	565.6	392.3	391.5
12-Oct-15	15:29:45	276.4	3.97	1.000	3000.9	17.77	49.99	83.28	99.94	160.0	551.1	41.12	565.6	392.2	391.5
12-Oct-15	15:29:50	277.0	4.28	1.000	3000.9	17.74	49.98	82.95	99.93	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:29:55	277.3	4.65	1.000	2997.3	17.71	49.98	82.76	99.92	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:30:00	277.1	5.02	1.000	2995.6	17.72	49.97	82.92	99.92	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:30:05	277.0	5.38	1.000	2995.6	17.73	49.96	83.08	99.91	160.0	551.0	41.12	565.7	392.2	391.5
12-Oct-15	15:30:10	276.3	5.75	1.000	2999.7	17.73	49.96	83.00	99.91	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:15	277.2	6.18	1.000	3000.6	17.74	49.95	82.87	99.90	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:20	277.6	6.46	1.000	2998.7	17.75	49.94	82.65	99.90	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:25	277.4	6.82	1.000	2993.9	17.75	49.92	82.76	99.89	160.0	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:30	276.7	7.17	1.000	2996.6	17.76	49.90	83.43	99.89	159.9	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:35	276.3	7.53	1.000	3006.0	17.77	49.96	83.95	99.89	159.9	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:40	276.5	8.50	1.000	3007.2	17.77	50.05	84.21	99.89	159.9	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:45	276.8	8.19	1.000	3008.7	17.78	50.08	83.46	99.89	159.8	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:50	276.4	7.92	1.000	3008.9	17.78	50.12	83.46	99.89	159.8	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:30:55	277.2	7.92	1.000	3007.2	17.79	50.15	83.46	99.89	159.7	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:31:00	277.0	7.92	1.000	3004.7	17.79	50.13	83.46	99.89	159.7	551.0	41.11	565.8	392.2	391.5
12-Oct-15	15:31:05	276.6	7.92	1.000	3007.8	17.79	50.12	83.46	99.89	159.7	550.9	41.11	565.8	392.2	391.5
12-Oct-15	15:31:10	277.2	7.92	1.000	3007.5	17.79	50.11	83.32	99.90	159.7	550.9	41.11	565.8	392.2	391.5
12-Oct-15	15:31:15	277.5	7.92	1.000	3006.6	17.79	50.10	83.23	99.92	159.7	550.9	41.10	565.8	392.2	391.5
12-Oct-15	15:31:20	277.1	7.92	1.000	3005.8	17.79	50.05	83.67	99.94	159.7	550.9	41.10	565.8	392.2	391.5
12-Oct-15	15:31:25	276.2	7.92	1.000	3006.7	17.79	50.10	8							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:35:20	276.7	8.91	1.000	2997.5	17.77	49.97	79.70	99.94	159.0	551.9	40.87	566.7	392.4	391.7
12-Oct-15	15:35:25	276.9	8.89	1.000	2994.7	17.77	49.96	79.22	99.94	159.0	552.0	40.85	566.7	392.4	391.7
12-Oct-15	15:35:30	276.2	8.78	1.000	2997.0	17.77	49.97	80.30	99.94	159.0	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:35	276.3	8.42	1.000	2998.7	17.77	49.99	80.52	99.94	159.1	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:40	276.3	8.07	1.000	3001.3	17.76	50.01	80.22	99.94	159.1	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:45	276.4	7.71	1.000	3000.8	17.76	50.03	80.15	99.94	159.1	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:50	276.4	7.35	1.000	3005.8	17.76	50.05	80.34	99.94	159.2	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:35:55	276.2	6.99	1.000	3008.0	17.76	50.09	80.53	99.94	159.2	552.0	40.84	566.7	392.4	391.7
12-Oct-15	15:36:00	276.5	6.87	1.000	3010.2	17.76	50.10	80.12	99.94	159.2	552.1	40.88	566.7	392.4	391.7
12-Oct-15	15:36:05	276.7	6.87	1.000	3007.6	17.76	50.09	80.06	99.94	159.2	552.2	40.90	566.8	392.4	391.7
12-Oct-15	15:36:10	277.3	6.87	1.000	3004.8	17.76	50.08	79.71	99.94	159.3	552.3	40.90	566.9	392.4	391.7
12-Oct-15	15:36:15	277.0	6.87	1.000	3002.4	17.76	50.07	79.69	99.94	159.3	552.5	40.90	567.1	392.4	391.7
12-Oct-15	15:36:20	276.8	6.87	1.000	3006.2	17.76	50.06	79.85	99.94	159.3	552.6	40.90	567.1	392.4	391.7
12-Oct-15	15:36:25	276.8	6.87	1.000	3006.8	17.76	50.06	79.35	99.94	159.3	552.7	40.91	567.2	392.4	391.7
12-Oct-15	15:36:30	276.6	7.03	1.000	3006.6	17.76	50.09	79.25	99.93	159.4	552.9	40.91	567.2	392.4	391.7
12-Oct-15	15:36:35	277.0	7.21	1.000	3010.2	17.76	50.11	79.14	99.93	159.4	552.9	40.91	567.2	392.4	391.7
12-Oct-15	15:36:40	277.4	7.39	1.000	3005.5	17.76	50.12	79.04	99.93	159.4	553.0	40.91	567.2	392.4	391.7
12-Oct-15	15:36:45	277.0	7.57	1.000	3007.2	17.76	50.13	78.94	99.93	159.4	553.1	40.92	567.3	392.4	391.7
12-Oct-15	15:36:50	276.8	7.75	1.000	3007.0	17.76	50.13	78.83	99.93	159.5	553.1	40.92	567.3	392.4	391.7
12-Oct-15	15:36:55	276.7	7.93	1.000	3005.5	17.76	50.14	78.73	99.93	159.5	553.2	40.92	567.3	392.4	391.7
12-Oct-15	15:37:00	276.6	8.01	1.000	3009.6	17.76	50.15	78.62	99.93	159.6	553.2	40.92	567.4	392.4	391.7
12-Oct-15	15:37:05	277.1	8.04	1.000	3011.3	17.76	50.15	78.52	99.93	159.6	553.3	40.93	567.4	392.4	391.7
12-Oct-15	15:37:10	277.3	8.07	1.000	3010.0	17.76	50.16	78.42	99.93	159.6	553.3	40.94	567.4	392.4	391.7
12-Oct-15	15:37:15	277.5	8.10	1.000	3008.7	17.76	50.14	78.31	99.93	159.7	553.4	40.95	567.5	392.4	391.7
12-Oct-15	15:37:20	277.4	8.13	1.000	3007.4	17.76	50.13	78.46	99.93	159.7	553.5	40.96	567.5	392.4	391.7
12-Oct-15	15:37:25	277.3	8.16	1.000	3007.5	17.76	50.11	78.63	99.93	159.8	553.5	40.95	567.5	392.4	391.7
12-Oct-15	15:37:30	277.2	8.19	1.000	3008.2	17.76	50.12	78.81	99.93	159.8	553.6	40.97	567.5	392.4	391.7
12-Oct-15	15:37:35	277.2	8.22	1.000	3009.6	17.76	50.12	78.98	99.93	159.8	553.6	40.98	567.5	392.4	391.7
12-Oct-15	15:37:40	277.3	8.25	1.000	3011.0	17.76	50.13	79.16	99.93	159.8	553.6	40.98	567.5	392.4	391.7
12-Oct-15	15:37:45	276.8	8.28	1.000	3011.4	17.76	50.14	79.33	99.93	159.9	553.6	41.01	567.5	392.4	391.7
12-Oct-15	15:37:50	277.9	8.31	1.000	3007.5	17.76	50.14	78.32	99.93	159.9	553.6	41.03	567.5	392.4	391.7
12-Oct-15	15:37:55	277.7	8.34	1.000	3009.5	17.76	50.15	78.40	99.93	160.0	553.7	41.04	567.5	392.4	391.7
12-Oct-15	15:38:00	277.2	8.35	1.000	3011.2	17.76	50.15	78.48	99.93	160.0	553.7	41.06	567.5	392.4	391.7
12-Oct-15	15:38:05	277.4	8.35	1.000	3008.6	17.76	50.16	77.96	99.93	160.1	553.7	41.07	567.5	392.4	391.7
12-Oct-15	15:38:10	278.1	8.12	1.000	3008.1	17.76	50.12	77.23	99.93	160.2	553.7	41.08	567.6	392.4	391.7
12-Oct-15	15:38:15	277.8	7.85	1.000	3009.8	17.76	50.12	77.50	99.93	160.2	553.7	41.09	567.6	392.4	391.7
12-Oct-15	15:38:20	277.7	7.59	1.000	3011.6	17.76	50.13	77.77	99.93	160.3	553.8	41.10	567.6	392.4	391.7
12-Oct-15	15:38:25	277.5	7.32	1.000	3014.0	17.76	50.15	78.03	99.93	160.3	553.8	41.11	567.6	392.4	391.7
12-Oct-15	15:38:30	277.5	7.05	1.000	3011.5	17.76	50.15	78.30	99.94	160.3	553.8	41.13	567.6	392.4	391.7
12-Oct-15	15:38:35	278.4	6.79	1.000	3007.8	17.76	50.13	77.17	99.94	160.4	553.8	41.14	567.6	392.4	391.7
12-Oct-15	15:38:40	277.8	6.52	1.000	3003.9	17.76	50.09	77.06	99.94	160.4	553.8	41.15	567.6	392.4	391.7
12-Oct-15	15:38:45	277.9	6.88	1.000	3007.4	17.76	50.08	77.56	99.94	160.4	553.8	41.16	567.6	392.4	391.7
12-Oct-15	15:38:50	277.1	7.94	1.000	3010.2	17.76	50.12	78.03	99.94	160.5	553.8	41.17	567.6	392.4	391.8
12-Oct-15	15:38:55	278.7	10.04	1.000	3007.6	17.76	50.14	76.94	99.94	160.5	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:00	278.2	8.56	1.000	3011.8	17.76	50.12	77.45	99.94	160.5	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:05	277.8	8.29	1.000	3015.1	17.76	50.16	77.48	99.94	160.6	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:10	278.6	8.29	1.000	3011.3	17.76	50.15	76.80	99.94	160.6	553.8	41.18	567.6	392.4	391.8
12-Oct-15	15:39:15	278.3	8.29	1.000	3008.1	17.76	50.13	76.84	99.94	160.6	553.8	41.18	567.6	392.5	391.8
12-Oct-15	15:39:20	278.2	8.29	1.000	3004.0	17.76	50.11	77.04	99.94	160.6	553.8	41.18	567.6	392.5	391.8
12-Oct-15	15:39:25	278.0	8.29	1.000	3004.6	17.76	50.11	77.22	99.94	160.6	553.8	41.18	567.6	392.5	391.8
12-Oct-15	15:39:30	278.3	8.29	1.000	3005.7	17.76	50.11	76.98	99.91	160.6	553.9	41.18	567.6	392.5	391.8
12-Oct-15	15:39:35	278.2	8.29	1.000	3006.5	17.76	50.11	77.09	99.89	160.6	553.9	41.19	567.6	392.5	391.8
12-Oct-15	15:39:40	278.1	8.29	1.000	3003.5	17.76	50.11	77.20	99.89	160.6	553.8	41.19	567.5	392.5	391.8
12-Oct-15	15:39:45	278.1	8.29	1.000	3009.2	17.76	50.11	77.03	99.90	160.6	553.8	41.19	567.5	392.5	391.8
12-Oct-15	15:39:50	278.1	8.18	1.000	3004.3	17.77	50.10	76.94	99.90	160.6	553.7	41.20	567.5	392.5	391.8
12-Oct-15	15:39:55	278.0	8.05	1.000	3009.9	17.78	50.09	77.29	99.91	160.6	553.7	41.20	567.4	392.5	391.8
12-Oct-15	15:40:00	277.9	7.93	1.000	3004.5	17.78	50.08	77.03	99.91	160.6	553.6	41.20	567.4	392.5	391.8
12-Oct-15	15:40:05	278.3	8.08	1.000	3006.1	17.78	50.07	77.17	99.92	160.6	553.6	41.20	567.4	392.5	391.8
12-Oct-15	15:40:10	277.9	8.11	1.000	3007.1	17.78	50.06	77.49	99.92	160.6	553.5	41.19	567.4	392.5	391.9
12-Oct-15	15:40:15	277.7	8.22	1.000	3011.3	17.78	50.11	77.43	99.93	160.6	553.5	41.19	567.3	392.5	391.9
12-Oct-15	15:40:20	277.8	8.33	1.000	3011.4	17.77	50.15	77.32	99.94	160.6	553.4	41.19	567.3	392.5	391.9
12-Oct-15	15:40:25	278.0	8.44	1.000	3011.3	17.77	50.15	77.20	99.94	160.6	553.4	41.18	567.3	392.5	391.9
12-Oct-15	15:40:30	277.8	8.55	1.000	3008.9	17.77	50.14	77.08	99.95	160.6	553.3	41.18	567.3	392.5	391.9
12-Oct-15	15:40:35	278.3	8.66	1.000	3007.1	17.77	50.12	77.12	99.95	160.6	553.3	41.18	567.3	392.5	391.9
12-Oct-15	15:40:40	278.0	8.77	1.000	3007.5	17.77	50.10	77.32	99.95	160.6	553.3	41.18	567.3	392.5	391.9
12-Oct-15	15:40:45	278.8	8.88	1.000	3002.9	17.77	50.06	77.52	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:40:50	277.4	8.99	1.000	3001.2	17.77	50.07	77.53	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:40:55	277.6	9.10	1.000	3005.7	17.77	50.08	77.33	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:41:00	277.8	9.21	1.000	3004.2	17.77	50.08	77.14	99.95	160.6	553.3	41.17	567.3	392.5	391.9
12-Oct-15	15:41:05	277.5	7.82	1.000	3002.2	17.77	50.09	77.52	99.95	160.6	553.2	41.17	567.1	392.5	391.9
12-Oct-15	15:41:10	276.9	7.28	1.000	3005.7	17.77	50.10	78.37	99.95	160.6	553.1	41.17	567.0	392.5	392.0
12-Oct-15	15:41:15	277.2	7.28	1.000	3006.7	17.77	50.11	78.66	99.96						

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:45:10	277.0	8.26	1.000	3007.1	17.79	50.15	83.24	99.92	160.1	551.4	41.13	565.6	392.5	392.0
12-Oct-15	15:45:15	276.2	8.23	1.000	3010.6	17.79	50.16	83.37	99.92	160.0	551.4	41.13	565.6	392.5	392.0
12-Oct-15	15:45:20	276.6	8.19	1.000	3010.1	17.79	50.17	82.87	99.92	160.0	551.4	41.12	565.6	392.5	392.0
12-Oct-15	15:45:25	276.9	8.16	1.000	3009.4	17.79	50.16	82.53	99.91	160.0	551.3	41.12	565.6	392.5	392.0
12-Oct-15	15:45:30	276.8	8.13	1.000	3010.4	17.79	50.14	82.59	99.91	159.9	551.3	41.11	565.6	392.5	392.0
12-Oct-15	15:45:35	276.7	8.10	1.000	3005.7	17.79	50.13	82.84	99.91	159.9	551.3	41.11	565.6	392.5	392.0
12-Oct-15	15:45:40	276.6	8.07	1.000	3004.9	17.79	50.11	83.09	99.91	159.9	551.3	41.10	565.6	392.5	392.0
12-Oct-15	15:45:45	276.6	8.03	1.000	3005.8	17.79	50.11	83.34	99.91	159.8	551.3	41.10	565.6	392.5	392.0
12-Oct-15	15:45:50	276.7	8.00	1.000	3009.0	17.80	50.10	83.15	99.91	159.8	551.3	41.09	565.6	392.5	392.1
12-Oct-15	15:45:55	276.4	7.97	1.000	3011.0	17.80	50.10	82.85	99.91	159.7	551.3	41.09	565.6	392.5	392.1
12-Oct-15	15:46:00	277.0	7.94	1.000	3008.1	17.80	50.09	82.55	99.91	159.6	551.3	41.09	565.6	392.5	392.1
12-Oct-15	15:46:05	276.8	7.91	1.000	3004.5	17.80	50.08	82.93	99.91	159.6	551.2	41.09	565.6	392.5	392.0
12-Oct-15	15:46:10	276.2	7.89	0.999	3009.7	17.80	50.08	83.16	99.91	159.6	551.2	41.08	565.6	392.5	392.1
12-Oct-15	15:46:15	277.0	7.89	0.999	3007.2	17.80	50.07	82.73	99.92	159.6	551.2	41.07	565.6	392.5	392.1
12-Oct-15	15:46:20	276.8	7.89	0.999	3001.6	17.80	50.07	82.77	99.93	159.5	551.1	41.07	565.6	392.5	392.1
12-Oct-15	15:46:25	276.5	7.89	0.999	3000.4	17.80	50.07	83.13	99.94	159.5	551.1	41.06	565.7	392.5	392.1
12-Oct-15	15:46:30	276.1	7.99	0.999	3006.7	17.80	50.08	83.49	99.95	159.5	551.1	41.05	565.7	392.5	392.1
12-Oct-15	15:46:35	276.2	8.11	0.999	3004.0	17.79	50.09	83.13	99.95	159.4	551.0	41.05	565.7	392.5	392.1
12-Oct-15	15:46:40	275.9	8.23	0.999	3008.2	17.79	50.11	83.47	99.95	159.4	551.0	41.04	565.7	392.5	392.1
12-Oct-15	15:46:45	275.9	8.35	0.999	3010.0	17.79	50.15	83.26	99.95	159.4	551.1	41.03	565.7	392.5	392.1
12-Oct-15	15:46:50	276.4	8.47	0.999	3007.6	17.79	50.15	83.04	99.94	159.4	551.1	41.02	565.7	392.5	392.1
12-Oct-15	15:46:55	276.6	8.58	0.999	3003.5	17.79	50.12	82.86	99.94	159.4	551.1	41.00	565.7	392.5	392.0
12-Oct-15	15:47:00	276.4	8.70	0.999	3004.2	17.79	50.10	82.96	99.94	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:05	276.6	8.82	0.999	3005.7	17.79	50.08	83.07	99.94	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:10	276.5	8.88	0.999	3001.8	17.79	50.07	83.17	99.93	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:15	275.9	8.88	0.999	3006.9	17.79	50.09	83.25	99.93	159.3	551.1	40.99	565.7	392.5	392.1
12-Oct-15	15:47:20	275.6	8.88	0.999	3007.6	17.79	50.11	83.04	99.93	159.3	551.1	40.99	565.8	392.5	392.1
12-Oct-15	15:47:25	275.9	8.88	0.999	3011.1	17.79	50.11	82.84	99.92	159.3	551.1	40.99	565.8	392.5	392.1
12-Oct-15	15:47:30	276.7	8.88	0.999	3007.0	17.79	50.09	82.66	99.92	159.3	551.1	40.99	565.8	392.5	392.1
12-Oct-15	15:47:35	276.4	8.88	0.999	3005.0	17.79	50.07	82.87	99.92	159.3	551.2	40.99	565.8	392.5	392.1
12-Oct-15	15:47:40	275.9	8.88	0.999	3007.2	17.79	50.08	83.07	99.92	159.2	551.2	40.99	565.8	392.5	392.1
12-Oct-15	15:47:45	276.1	8.88	0.999	3007.1	17.79	50.09	82.93	99.92	159.1	551.2	40.99	565.8	392.5	392.1
12-Oct-15	15:47:50	276.7	8.88	0.999	3002.8	17.79	50.09	82.22	99.92	159.0	551.3	40.98	565.8	392.5	392.1
12-Oct-15	15:47:55	275.7	8.88	0.999	3005.7	17.79	50.10	82.71	99.92	158.9	551.3	40.98	565.9	392.5	392.1
12-Oct-15	15:48:00	275.9	8.88	0.999	3005.3	17.80	50.11	82.48	99.91	158.9	551.4	40.97	565.9	392.5	392.1
12-Oct-15	15:48:05	276.0	8.88	0.999	3007.2	17.80	50.12	82.25	99.91	158.9	551.4	40.95	565.9	392.5	392.1
12-Oct-15	15:48:10	275.7	8.85	0.999	3006.1	17.79	50.10	82.46	99.91	158.9	551.5	40.93	566.0	392.5	392.1
12-Oct-15	15:48:15	275.9	8.85	0.999	3004.9	17.79	50.09	82.61	99.91	158.9	551.5	40.92	566.0	392.5	392.1
12-Oct-15	15:48:20	275.9	8.84	0.999	3003.8	17.79	50.07	82.29	99.91	158.9	551.6	40.92	566.0	392.5	392.1
12-Oct-15	15:48:25	275.8	8.84	0.999	3004.8	17.79	50.07	82.46	99.91	158.9	551.6	40.92	566.0	392.5	392.1
12-Oct-15	15:48:30	275.8	8.84	0.999	3006.7	17.79	50.07	82.64	99.91	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:35	275.7	8.83	0.999	3006.4	17.79	50.06	82.66	99.90	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:40	275.9	8.83	0.999	3005.1	17.79	50.06	82.39	99.90	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:45	276.1	8.83	0.999	3003.8	17.79	50.06	82.13	99.90	158.9	551.7	40.92	566.0	392.5	392.1
12-Oct-15	15:48:50	276.1	8.82	0.999	3004.3	17.79	50.06	81.94	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:48:55	275.6	8.82	0.999	3005.5	17.79	50.06	81.78	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:00	276.2	8.82	0.999	3006.7	17.79	50.06	81.62	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:05	275.7	8.81	0.999	3005.4	17.79	50.06	81.46	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:10	276.0	8.81	0.999	3005.1	17.79	50.05	81.31	99.90	158.9	551.7	40.91	566.0	392.5	392.2
12-Oct-15	15:49:15	276.4	8.81	0.999	3006.2	17.79	50.05	81.22	99.90	158.9	551.7	40.91	566.0	392.5	392.1
12-Oct-15	15:49:20	276.1	8.81	0.999	3001.8	17.79	50.05	81.60	99.90	158.9	551.8	40.91	566.4	392.5	392.2
12-Oct-15	15:49:25	276.3	8.81	0.999	2999.6	17.79	50.03	81.32	99.90	159.0	552.0	40.91	566.5	392.5	392.2
12-Oct-15	15:49:30	276.5	8.81	0.999	2996.5	17.79	50.00	81.28	99.92	159.0	552.1	40.91	566.5	392.5	392.2
12-Oct-15	15:49:35	276.2	8.81	0.999	2995.6	17.79	50.00	81.48	99.95	159.0	552.3	40.91	566.5	392.5	392.2
12-Oct-15	15:49:40	275.9	8.81	0.999	2997.7	17.79	50.00	81.69	99.96	159.0	552.4	40.91	566.6	392.5	392.2
12-Oct-15	15:49:45	275.8	8.81	0.999	3001.6	17.79	50.00	81.90	99.96	159.0	552.5	40.91	566.6	392.5	392.2
12-Oct-15	15:49:50	276.8	8.35	0.999	3007.8	17.79	50.07	82.11	99.96	159.0	552.5	40.90	566.6	392.5	392.2
12-Oct-15	15:49:55	276.2	8.32	0.999	3011.2	17.80	50.11	82.11	99.96	159.0	552.6	40.91	566.7	392.5	392.2
12-Oct-15	15:50:00	276.2	7.29	0.999	3011.3	17.80	50.15	81.00	99.96	159.0	552.6	40.90	566.7	392.5	392.2
12-Oct-15	15:50:05	276.6	7.15	0.999	3011.3	17.80	50.15	80.59	99.95	159.0	552.7	40.90	566.7	392.5	392.2
12-Oct-15	15:50:10	275.9	8.06	0.999	3014.1	17.80	50.13	80.68	99.95	159.1	552.7	40.90	566.8	392.5	392.2
12-Oct-15	15:50:15	276.9	8.84	1.000	3008.6	17.80	50.12	80.26	99.95	159.1	552.8	40.90	566.8	392.5	392.2
12-Oct-15	15:50:20	276.6	7.69	1.000	3006.2	17.80	50.11	80.76	99.95	159.2	552.8	40.90	566.8	392.5	392.2
12-Oct-15	15:50:25	275.9	7.23	1.000	3008.1	17.80	50.14	81.12	99.95	159.2	552.9	40.90	566.8	392.5	392.2
12-Oct-15	15:50:30	277.0	8.62	1.000	3009.5	17.80	50.15	80.11	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:35	276.4	8.60	1.000	3010.9	17.79	50.14	79.98	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:40	276.7	8.38	1.000	3010.7	17.79	50.13	79.85	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:45	277.1	8.15	1.000	3008.5	17.79	50.12	79.72	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:50	276.9	7.92	1.000	3006.2	17.79	50.11	79.76	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:50:55	276.6	7.69	1.000	3007.9	17.79	50.12	80.17	99.95	159.2	553.0	40.90	566.8	392.5	392.2
12-Oct-15	15:51:00	276.7	7.47	1.000	3009.3	17.79	50.14	79.91	99.95	159.2	553.1	40.90	566.9	392.5	392.2
12-Oct-15	15:51:05	276.9	7.24	1.000	3010.3	17.79	50.17	7							

Angamos Power Plant Unit#1

Date	Time	Gross Power MW	Reactive Power Mvar	Power Factor	Speed rpm	Voltage Generator kV	Frequency Generator Hz	HP Valve Position %	IP Valve Position %	HP steam Pressure bar(a)	HP steam Temperature °C	IP steam Pressure bar(a)	HP steam Temperature °C	Outlet Boiler Temperature A °C	Outlet Boiler Temperature B °C
12-Oct-15	15:55:00	276.9	7.14	1.000	3008.4	17.76	50.13	78.65	99.92	160.7	553.7	41.19	567.6	392.5	392.4
12-Oct-15	15:55:05	277.7	7.17	1.000	3008.8	17.76	50.13	78.12	99.92	160.7	553.7	41.21	567.6	392.5	392.4
12-Oct-15	15:55:10	278.2	7.29	1.000	3005.7	17.76	50.10	77.54	99.93	160.8	553.6	41.22	567.6	392.5	392.4
12-Oct-15	15:55:15	278.1	7.41	1.000	3007.7	17.76	50.09	78.34	99.93	160.8	553.6	41.23	567.5	392.6	392.4
12-Oct-15	15:55:20	277.3	7.53	1.000	3011.3	17.76	50.08	78.76	99.93	160.8	553.5	41.25	567.5	392.6	392.4
12-Oct-15	15:55:25	277.9	7.65	0.999	3011.3	17.76	50.08	78.71	99.93	160.8	553.5	41.26	567.5	392.6	392.4
12-Oct-15	15:55:30	278.1	7.77	0.999	3011.3	17.76	50.08	78.65	99.93	160.8	553.4	41.27	567.5	392.6	392.4
12-Oct-15	15:55:35	278.2	7.89	0.999	3009.3	17.76	50.07	78.60	99.93	160.8	553.3	41.29	567.5	392.5	392.4
12-Oct-15	15:55:40	277.8	8.01	0.999	3009.4	17.76	50.07	78.55	99.93	160.8	553.3	41.30	567.5	392.5	392.4
12-Oct-15	15:55:45	278.3	8.13	1.000	3008.3	17.76	50.06	78.50	99.93	160.8	553.3	41.31	567.5	392.5	392.4
12-Oct-15	15:55:50	278.0	8.25	1.000	3010.5	17.76	50.06	78.45	99.93	160.8	553.3	41.31	567.5	392.5	392.4
12-Oct-15	15:55:55	278.2	8.37	1.000	3011.3	17.76	50.05	78.39	99.93	160.8	553.3	41.31	567.5	392.6	392.4
12-Oct-15	15:56:00	278.4	8.48	1.000	3011.3	17.76	50.05	78.34	99.93	160.8	553.3	41.31	567.5	392.6	392.4
12-Oct-15	15:56:05	278.6	8.60	1.000	3004.0	17.76	50.05	78.29	99.93	160.9	553.2	41.32	567.4	392.6	392.4
12-Oct-15	15:56:10	278.3	6.91	1.000	3004.4	17.76	50.04	78.81	99.94	160.9	553.1	41.34	567.3	392.6	392.4
12-Oct-15	15:56:15	277.9	7.66	1.000	3007.1	17.76	50.06	79.39	99.94	160.9	553.0	41.35	567.2	392.6	392.4
12-Oct-15	15:56:20	278.1	8.41	1.000	3004.3	17.76	50.09	79.19	99.95	160.9	552.9	41.36	567.1	392.6	392.4
12-Oct-15	15:56:25	278.6	8.51	1.000	3006.1	17.76	50.04	78.41	99.96	160.9	552.8	41.35	567.0	392.5	392.4
12-Oct-15	15:56:30	277.4	7.41	1.000	3010.6	17.76	50.09	79.50	99.97	161.0	552.7	41.35	566.9	392.5	392.4
12-Oct-15	15:56:35	278.5	8.52	1.000	3008.2	17.76	50.08	78.83	99.97	161.0	552.6	41.35	566.8	392.5	392.4
12-Oct-15	15:56:40	278.1	8.47	1.000	3010.1	17.76	50.07	79.46	99.97	160.9	552.6	41.35	566.8	392.5	392.4
12-Oct-15	15:56:45	277.8	8.42	1.000	3011.3	17.76	50.07	79.47	99.97	160.9	552.5	41.35	566.7	392.5	392.4
12-Oct-15	15:56:50	278.4	8.37	1.000	3007.1	17.76	50.06	79.07	99.96	160.9	552.4	41.35	566.6	392.5	392.4
12-Oct-15	15:56:55	278.3	8.31	1.000	3005.0	17.76	50.05	78.98	99.96	160.9	552.4	41.35	566.6	392.5	392.3
12-Oct-15	15:57:00	278.6	8.26	1.000	3004.2	17.77	50.04	79.03	99.95	160.9	552.3	41.34	566.5	392.5	392.3
12-Oct-15	15:57:05	278.0	8.21	1.000	3007.0	17.77	50.04	79.71	99.95	160.9	552.2	41.34	566.4	392.5	392.3
12-Oct-15	15:57:10	278.0	8.16	1.000	3005.1	17.77	50.05	79.51	99.94	160.9	552.1	41.34	566.4	392.5	392.3
12-Oct-15	15:57:15	278.3	8.11	1.000	3005.1	17.77	50.06	79.26	99.94	160.9	552.1	41.34	566.3	392.5	392.3
12-Oct-15	15:57:20	278.0	8.05	1.000	3007.2	17.77	50.07	79.69	99.94	160.9	552.0	41.34	566.2	392.5	392.3
12-Oct-15	15:57:25	278.3	8.00	1.000	3007.0	17.77	50.08	79.47	99.93	160.9	551.9	41.34	566.2	392.5	392.3
12-Oct-15	15:57:30	278.4	7.95	1.000	3006.5	17.77	50.09	79.26	99.93	160.9	551.9	41.34	566.2	392.5	392.3
12-Oct-15	15:57:35	278.0	7.90	1.000	3005.7	17.77	50.09	79.76	99.92	160.9	551.8	41.34	566.2	392.5	392.3
12-Oct-15	15:57:40	277.7	7.90	1.000	3005.4	17.77	50.09	79.55	99.92	160.9	551.8	41.34	566.2	392.5	392.3
12-Oct-15	15:57:45	278.1	7.90	1.000	3004.3	17.77	50.09	79.34	99.92	160.8	551.7	41.33	566.1	392.5	392.3
12-Oct-15	15:57:50	278.1	7.90	1.000	3005.5	17.77	50.09	79.42	99.92	160.8	551.6	41.32	566.1	392.6	392.3
12-Oct-15	15:57:55	277.9	7.90	1.000	3005.1	17.77	50.09	79.73	99.93	160.8	551.5	41.31	566.0	392.6	392.3
12-Oct-15	15:58:00	278.0	7.90	1.000	3004.3	17.77	50.09	79.48	99.93	160.7	551.4	41.30	566.0	392.6	392.3
12-Oct-15	15:58:05	278.0	7.90	1.000	3000.0	17.77	50.09	79.56	99.94	160.7	551.3	41.30	565.9	392.6	392.3
12-Oct-15	15:58:10	277.3	7.75	1.000	3006.2	17.77	50.11	80.08	99.94	160.7	551.2	41.29	565.8	392.6	392.3
12-Oct-15	15:58:15	277.4	7.57	1.000	3010.0	17.77	50.13	80.15	99.95	160.6	551.1	41.28	565.8	392.6	392.3
12-Oct-15	15:58:20	277.5	7.39	1.000	3008.5	17.77	50.13	79.77	99.95	160.6	551.0	41.28	565.7	392.6	392.3
12-Oct-15	15:58:25	278.1	7.21	1.000	3004.5	17.77	50.11	79.35	99.95	160.6	551.0	41.27	565.7	392.6	392.3
12-Oct-15	15:58:30	277.8	7.03	1.000	3004.9	17.77	50.05	79.92	99.96	160.6	550.9	41.27	565.7	392.6	392.3
12-Oct-15	15:58:35	276.9	6.94	1.000	3007.0	17.77	50.07	80.77	99.96	160.6	550.8	41.27	565.7	392.6	392.3
12-Oct-15	15:58:40	277.2	7.94	1.000	3010.5	17.77	50.10	80.22	99.97	160.6	550.7	41.26	565.7	392.6	392.3
12-Oct-15	15:58:45	278.1	8.94	1.000	3004.8	17.77	50.10	79.97	99.97	160.6	550.7	41.26	565.7	392.6	392.3
12-Oct-15	15:58:50	277.4	8.76	1.000	3004.3	17.77	50.11	80.68	99.97	160.6	550.7	41.25	565.7	392.6	392.3
12-Oct-15	15:58:55	277.0	8.42	1.000	3005.9	17.77	50.12	80.61	99.97	160.5	550.7	41.25	565.7	392.6	392.3
12-Oct-15	15:59:00	277.5	8.07	1.000	3010.7	17.77	50.12	80.40	99.97	160.5	550.7	41.24	565.7	392.5	392.3
12-Oct-15	15:59:05	277.6	7.72	1.000	3004.0	17.77	50.13	80.77	99.97	160.5	550.7	41.24	565.7	392.5	392.3
12-Oct-15	15:59:10	277.3	7.38	1.000	3009.1	17.77	50.14	80.59	99.97	160.5	550.7	41.24	565.7	392.6	392.3
12-Oct-15	15:59:15	277.7	7.03	1.000	3004.1	17.77	50.13	80.40	99.97	160.5	550.7	41.24	565.7	392.5	392.3
12-Oct-15	15:59:20	277.4	6.68	1.000	3006.2	17.77	50.10	80.86	99.97	160.5	550.7	41.24	565.4	392.5	392.3
12-Oct-15	15:59:25	277.5	6.33	1.000	3003.2	17.77	50.10	80.86	99.97	160.5	550.4	41.23	564.9	392.5	392.3
12-Oct-15	15:59:30	277.4	5.97	1.000	3001.4	17.77	50.12	81.11	99.97	160.5	550.1	41.22	564.8	392.5	392.3
12-Oct-15	15:59:35	276.8	5.62	1.000	3004.5	17.77	50.13	81.61	99.97	160.4	549.9	41.22	564.8	392.5	392.3
12-Oct-15	15:59:40	276.7	5.27	1.000	3015.1	17.77	50.14	81.73	99.97	160.4	549.7	41.21	564.8	392.5	392.3
12-Oct-15	15:59:45	277.2	5.16	1.000	3012.9	17.77	50.20	81.21	99.97	160.4	549.7	41.21	564.7	392.5	392.3
12-Oct-15	15:59:50	277.6	7.09	1.000	3010.8	17.77	50.16	81.02	99.97	160.4	549.7	41.20	564.7	392.5	392.3
12-Oct-15	15:59:55	277.5	7.10	1.000	3005.1	17.77	50.10	81.35	99.97	160.4	549.7	41.19	564.7	392.5	392.3
12-Oct-15	16:00:00	277.3	7.11	1.000	3001.1	17.77	50.05	81.68	99.96	160.3	549.6	41.19	564.6	392.5	392.3



## **ABOUT DNV GL**

Driven by our purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their business. We provide classification and technical assurance along with software and independent expert advisory services to the maritime, oil and gas, and energy industries. We also provide certification services to customers across a wide range of industries. Operating in more than 100 countries, our 16,000 professionals are dedicated to helping our customers make the world safer, smarter and greener.