

ภาคผนวก ข-7

ผลการตรวจวัดคุณภาพอากาศแบบต่อเนื่อง (CEMs)
ระหว่างเดือนมกราคม-มิถุนายน พ.ศ. 2565

Site Name: GULF_NRV1
Stack Name: HRSG_STACK1
Periodically: 01/01/2022 00:00:31/01/2022 23:59

Date & Time	O2	FLOW @1 ATM 25C m ³ /h	Emission Concentration for Standardization Comparison				Remark
			HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust(7%O2)	HRSG1_CO@7%O2	
			ppm	ppm	mg/m3	ppm	
01-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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01-01-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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02-01-22 20:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-01-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 2:00	15.70	429.112.40	36.05	2.35	1.62	60.78	
03-01-22 3:00	15.11	513.146.50	21.63	0.00	0.48	11.38	
03-01-22 4:00	14.87	578.689.80	17.20	0.00	0.35	2.94	
03-01-22 5:00	14.87	581.648.10	15.01	0.00	0.35	3.12	
03-01-22 6:00	14.88	582.017.60	16.23	0.00	0.35	3.08	
03-01-22 7:00	14.81	586.489.30	27.88	0.00	0.34	2.80	
03-01-22 8:00	14.74	590.562.60	19.79	0.00	0.34	2.51	
03-01-22 9:00	14.74	588.810.40	17.02	0.00	0.34	2.48	
03-01-22 10:00	14.73	584.429.90	17.17	0.00	0.34	2.55	
03-01-22 11:00	14.72	577.984.40	17.07	0.00	0.34	2.73	
03-01-22 12:00	14.70	576.146.90	16.66	0.00	0.34	2.84	
03-01-22 13:00	14.65	569.832.30	18.58	0.00	0.33	2.97	
03-01-22 14:00	14.63	566.999.20	17.67	0.00	0.33	2.93	
03-01-22 15:00	14.65	567.016.30	17.01	0.00	0.33	2.88	
03-01-22 16:00	14.65	567.073.10	17.06	0.00	0.33	2.92	
03-01-22 17:00	14.73	564687.4	21.75	0.00	0.34	2.97	
03-01-22 18:00	15.04	510966.1	31.51	0.00	0.34	7.62	
03-01-22 19:00	15.08	490231	47.99	0.00	0.36	3.27	
03-01-22 20:00	15.09	500546.3	40.68	0.00	0.36	4.98	
03-01-22 21:00	14.72	572278.1	17.25	0.00	0.34	3.26	
03-01-22 22:00	14.68	578320.1	15.93	0.00	0.33	2.91	
03-01-22 23:00	14.66	582399	15.67	0.00	0.33	2.80	
04-01-22 0:00	14.66	582535.5	15.51	0.00	0.33	2.75	
04-01-22 1:00	14.67	582956.5	14.94	0.00	0.33	2.72	
04-01-22 2:00	14.65	583576.6	14.27	0.00	0.33	2.77	
04-01-22 3:00	14.65	586785.1	14.58	0.00	0.33	2.67	
04-01-22 4:00	14.66	587536.1	15.80	0.00	0.33	2.65	
04-01-22 5:00	14.67	589128.9	16.99	0.00	0.33	2.61	
04-01-22 6:00	14.68	589886.4	15.99	0.00	0.34	2.61	
04-01-22 7:00	14.7	589862.8	17.59	0.00	0.34	2.61	
04-01-22 8:00	14.77	582984.9	15.67	0.00	0.34	3.03	
04-01-22 9:00	14.97	564163.2	9.44	0.00	0.35	3.44	
04-01-22 10:00	14.95	556793.3	16.17	0.00	0.35	2.90	
04-01-22 11:00	14.85	553601.8	19.37	0.00	0.34	2.83	
04-01-22 12:00	14.79	553795.3	25.75	0.00	0.34	2.66	
04-01-22 13:00	14.86	541001.7	26.45	0.00	0.35	4.55	
04-01-22 14:00	14.91	528520.9	35.38	0.00	0.35	2.82	
04-01-22 15:00	14.92	524569.1	35.34	0.00	0.35	3.11	
04-01-22 16:00	14.94	521898.5	35.62	0.00	0.35	3.17	
04-01-22 17:00	15.01	517273.5	33.15	0.00	0.35	4.08	

04-01-22 18:00	15.03	512295.3	31.72	0.00	0.35	4.41	
04-01-22 19:00	15.01	514003.5	33.15	0.00	0.35	3.65	
04-01-22 20:00	15	515518.2	35.83	0.00	0.35	3.72	
04-01-22 21:00	14.96	527467	30.63	0.00	0.35	3.39	
04-01-22 22:00	14.85	550608.8	21.00	0.00	0.35	3.21	
04-01-22 23:00	14.84	556605.6	16.91	0.00	0.34	2.95	
05-01-22 0:00	14.87	560144.1	13.58	0.00	0.35	3.55	
05-01-22 1:00	14.89	553010.2	18.49	0.00	0.35	2.82	
05-01-22 2:00	14.89	553300.3	20.15	0.00	0.35	2.69	
05-01-22 3:00	14.89	556139.1	19.22	0.00	0.35	3.76	
05-01-22 4:00	14.91	556360.9	18.65	0.00	0.35	3.93	
05-01-22 5:00	14.92	557322.4	18.12	0.00	0.35	3.05	
05-01-22 6:00	14.92	556855.9	17.73	0.00	0.35	2.99	
05-01-22 7:00	14.94	556446.3	17.27	0.00	0.35	3.01	
05-01-22 8:00	14.92	550558.3	19.47	0.00	0.35	2.58	
05-01-22 9:00	14.87	556520.3	15.35	0.00	0.35	3.05	
05-01-22 10:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
05-01-22 11:00	14.65	551553.8	21.44	0.14	0.33	1.19	
05-01-22 12:00	14.58	554984.3	27.83	0.04	0.33	1.19	
05-01-22 13:00	14.65	536201.9	27.92	0.00	0.33	2.82	
05-01-22 14:00	14.52	564991	31.98	0.00	0.33	1.04	
05-01-22 15:00	14.57	564752.1	29.39	0.00	0.33	1.16	
05-01-22 16:00	14.63	557323.8	30.68	0.00	0.33	1.30	
05-01-22 17:00	14.8	516567.8	34.68	0.00	0.34	1.77	
05-01-22 18:00	14.81	524216.4	34.73	0.00	0.34	1.60	
05-01-22 19:00	14.82	527099.6	34.67	0.00	0.34	1.50	
05-01-22 20:00	14.84	528102.8	34.29	0.00	0.34	1.62	
05-01-22 21:00	14.88	525625.9	32.61	0.03	0.34	1.19	
05-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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06-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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06-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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06-01-22 13:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
06-01-22 14:00	14.55	561549.2	20.41	0.00	0.33	1.14	
06-01-22 15:00	14.59	562812.1	20.60	0.00	0.33	1.26	
06-01-22 16:00	14.63	558398.8	22.00	0.00	0.33	1.32	
06-01-22 17:00	14.92	516576.3	34.82	0.00	0.34	1.81	
06-01-22 18:00	14.85	519483.7	34.95	0.00	0.34	1.86	
06-01-22 19:00	14.86	524722.1	35.02	0.00	0.35	1.77	
06-01-22 20:00	14.9	528883.1	34.84	0.00	0.35	2.01	
06-01-22 21:00	14.83	549352.3	30.08	0.00	0.34	1.36	
06-01-22 22:00	14.84	543308.3	26.23	0.00	0.34	3.43	
06-01-22 23:00	15.24	449.563.90	28.02	0.00	0.42	4.47	
07-01-22 0:00	15.25	454.163.40	27.17	0.00	0.39	4.02	
07-01-22 1:00	15.22	459.789.70	29.19	0.00	0.39	2.93	
07-01-22 2:00	15.23	455.395.10	26.76	0.01	0.45	4.24	
07-01-22 3:00	15.26	448.983.70	24.23	0.02	0.79	5.98	
07-01-22 4:00	15.24	442.774.30	25.96	0.02	0.63	4.57	
07-01-22 5:00	15.26	442.973.40	27.07	0.05	0.42	3.86	
07-01-22 6:00	15.25	446.671.20	27.80	0.06	0.66	3.93	
07-01-22 7:00	15.25	443.670.30	27.61	0.07	0.41	3.29	
07-01-22 8:00	15.23	458.444.80	29.00	0.06	0.37	2.97	
07-01-22 9:00	15.21	460.290.30	29.74	0.05	0.37	2.68	
07-01-22 10:00	15.19	468.032.90	30.02	0.01	0.37	2.93	
07-01-22 11:00	15.19	470.405.20	27.83	0.00	0.37	5.47	
07-01-22 12:00	15.14	460967.3	26.07	0.00	0.36	5.35	
07-01-22 13:00	14.83	519555.3	21.37	0.00	0.34	5.12	
07-01-22 14:00	14.66	56803.1	20.29	0.00	0.33	1.33	
07-01-22 15:00	14.62	567824.1	20.96	0.00	0.33	1.42	
07-01-22 16:00	14.68	552635.9	24.90	0.00	0.33	1.62	
07-01-22 17:00	14.85	516707.1	36.21	0.00	0.34	2.16	
07-01-22 18:00	14.82	517814.1	31.36	0.00	0.35	2.83	
07-01-22 19:00	14.85	530308.4	34.90	0.00	0.34	1.76	
07-01-22 20:00	14.87	531813.4	33.30	0.00	0.35	1.78	
07-01-22 21:00	14.87	541723.4	23.55	0.00	0.35	2.06	
07-01-22 22:00	14.72	552417.2	20.11	0.00	0.34	1.92	
07-01-22 23:00	14.69	553152.4	21.09	0.00	0.34	1.46	
08-01-22 0:00	14.72	554722.6	17.38	0.00	0.34	1.53	
08-01-22 1:00	14.76	559910.8	12.33	0.01	0.34	2.03	
08-01-22 2:00	14.79	557714.9	14.00	0.04	0.34	1.73	
08-01-22 3:00	14.84	558226.9	16.18	0.04	0.34	1.14	
08-01-22 4:00	14.84	558528.4	16.10	0.04	0.34	1.13	
08-01-22 5:00	14.86	558526.2	14.84	0.06	0.35	1.14	
08-01-22 6:00	14.9	561708.5	12.56	0.00	0.35	1.25	
08-01-22 7:00	14.92	560769.8	12.60	0.09	0.35	1.26	
08-01-22 8:00	14.89	555319.9	15.93	0.10	0.35	1.15	
08-01-22 9:00	14.88	549818.8	19.26	0.09	0.35	1.21	
08-01-22 10:00	14.78	55327.9	19.19	0.04	0.34	1.38	
08-01-22 11:00	14.71	554404	20.57	0.01	0.34	1.37	
08-01-22 12:00	14.64	557259.8	23.90	0.00	0.33	1.42	
08-01-22 13:00	14.78	519440.4	32.57	0.00	0.34	3.27	
08-01-22 14:00	14.85	505667.8	43.62	0.00	0.34	4.65	
08-01-22 15:00	14.88	508808	45.80	0.00	0.35	2.41	
08-01-22 16:00	14.93	507883.6	45.20	0.00	0.35	2.95	
08-01-22 17:00	15	526210	39.34	0.00	0.35	4.75	
08-01-22 18:00	15.02	498218.2	41.59	0.00	0.35	4.00	
08-01-22 19:00	14.98	497640.8	48.79	0.00	0.35	4.97	

08-01-22 20:00	14.97	502373.9	49.06	0.00	0.35	2.04	
08-01-22 21:00	14.98	517067.3	37.75	0.00	0.35	3.16	
08-01-22 22:00	14.62	578422.4	14.64	0.00	0.33	1.62	
08-01-22 23:00	14.58	580885.8	14.46	0.00	0.33	1.85	
09-01-22 0:00	14.58	581928.8	14.57	0.00	0.33	1.57	
09-01-22 1:00	14.56	585857.8	14.07	0.01	0.33	2.41	
09-01-22 2:00	14.55	587570.2	13.69	0.01	0.33	2.84	
09-01-22 3:00	14.54	589316.7	13.88	0.04	0.33	3.23	
09-01-22 4:00	14.54	590653.6	14.83	0.03	0.33	2.09	
09-01-22 5:00	14.55	590312.3	18.69	0.04	0.33	2.26	
09-01-22 6:00	14.57	589788.9	19.11	0.07	0.33	2.16	
09-01-22 7:00	14.57	589845.8	17.71	0.08	0.33	2.08	
09-01-22 8:00	14.59	585401.6	13.39	0.07	0.33	1.75	
09-01-22 9:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	
09-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
09-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
09-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
09-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
09-01-22 14:00	15.51	435581.6	42.27	1.03	5.21	47.72	
09-01-22 15:00	14.73	528012.3	32.75	0.00	0.34	1.76	
09-01-22 16:00	14.54	570753.8	20.55	0.00	0.33	1.51	
09-01-22 17:00	14.62	569721.4	22.02	0.00	0.33	2.02	
09-01-22 18:00	15	499106.7	34.09	0.00	0.35	5.06	
09-01-22 19:00	15.02	485685.5	40.69	0.00	0.35	2.28	
09-01-22 20:00	15	496467.4	34.80	0.00	0.35	2.94	
09-01-22 21:00	14.6	575902.1	15.14	0.00	0.33	1.75	
09-01-22 22:00	14.58	577705.7	14.92	0.00	0.33	1.56	
09-01-22 23:00	14.58	578010.5	14.80	0.00	0.33	1.53	
10-01-22 0:00	14.56	582012.1	14.16	0.00	0.33	1.78	
10-01-22 1:00	14.55	582216.9	13.94	0.02	0.33	2.27	
10-01-22 2:00	14.54	585050	13.52	0.04	0.33	2.32	
10-01-22 3:00	14.54	585567.7	13.57	0.05	0.33	2.65	
10-01-22 4:00	14.54	586375.5	14.10	0.07	0.33	2.78	
10-01-22 5:00	14.54	586916	14.95	0.10	0.33	2.89	
10-01-22 6:00	14.55	587422.3	15.41	0.09	0.33	2.11	
10-01-22 7:00	14.56	587655.5	15.33	0.12	0.33	2.15	
10-01-22 8:00	14.84	554870.3	17.58	0.14	0.34	2.03	
10-01-22 9:00	14.8	549784.6	21.44	0.13	0.34	1.62	
10-01-22 10:00	14.71	549659.4	32.63	0.09	0.34	1.79	
10-01-22 11:00	14.33	551792.8	33.28	0.33	0.33	13.96	
10-01-22 12:00	14.58	555172	31.93	1.17	0.33	1.84	
10-01-22 13:00	14.63	538370.2	32.04	1.12	0.33	2.21	
10-01-22 14:00	14.6	533776.1	33.23	1.05	0.33	1.75	
10-01-22 15:00	14.57	552532.3	27.16	1.00	0.33	1.61	
10-01-22 16:00	14.63	540227.3	32.22	0.86	0.33	1.80	
10-01-22 17:00	14.64	547429.4	33.54	0.73	0.33	1.90	
10-01-22 18:00	14.81	520452	34.80	0.73	0.34	2.26	
10-01-22 19:00	14.89	520346	35.75	0.76	0.34	2.75	
10-01-22 20:00	14.87	528026.5	33.77	0.74	0.35	2.57	
10-01-22 21:00	14.86	531062.4	34.09	0.84	0.35	2.35	
10-01-22 22:00	15.2	460111.3	28.48	1.04	0.78	8.96	
10-01-22 23:00	15.21	451486.8	30.02	1.02	0.37	4.90	
11-01-22 0:00	15.22	449253.9	29.05	1.24	0.50	4.49	
11-01-22 1:00	15.23	447897.1	26.99	1.28	0.42	5.70	
11-01-22 2:00	15.21	449074.3	28.79	1.34	0.37	28.79	
11-01-22 3:00	15.24	443388.7	26.83	1.51	1.23	5.09	
11-01-22 4:00	15.27	443260.7	24.87	1.57	0.75	6.15	
11-01-22 5:00	15.23	452209.3	27.85	1.69	0.37	4.22	
11-01-22 6:00	15.26	444381.5	24.92	1.84	0.63	8.16	
11-01-22 7:00	15.25	439887.2	26.25	1.77	0.57	5.70	
11-01-22 8:00	15.18	464505.8	31.67	1.68	0.36	3.74	
11-01-22 9:00	15.15	474538.2	33.99	1.50	0.36	3.13	
11-01-22 10:00	15.16	471494.6	34.87	1.31	0.36	2.76	
11-01-22 11:00	15.13	468334.4	35.39	1.10	0.36	2.40	
11-01-22 12:00	15.1	458299.2	32.68	0.93	0.36	2.65	
11-01-22 13:00	14.81	514967.2	30.68	0.88	0.34	2.34	
11-01-22 14:00	14.58	532740.7	33.90	0.80	0.33	1.73	
11-01-22 15:00	14.62	533167.4	33.81	0.88	0.33	1.76	
11-01-22 16:00	14.64	538042.8	33.37	0.83	0.33	1.73	
11-01-22 17:00	14.61	547986.9	33.63	0.74	0.33	1.78	
11-01-22 18:00	14.79	524654.9	35.17	0.67	0.34	2.30	
11-01-22 19:00	14.83	527403.8	34.56	0.59	0.34	2.18	
11-01-22 20:00	14.85	533121.8	35.22	0.57	0.34	2.00	
11-01-22 21:00	14.81	548684.1	30.10	0.68	0.34	1.93	
11-01-22 22:00	14.72	550252.2	25.72	0.68	0.34	1.72	
11-01-22 23:00	14.7	551474.2	20.12	0.73	0.34	1.88	
12-01-22 0:00	14.74	550512.8	20.75	0.81	0.34	2.00	
12-01-22 1:00	14.75	556855.8	14.35	0.89	0.34	2.19	
12-01-22 2:00	14.8	551784.5	19.69	1.05	0.34	1.74	
12-01-22 3:00	14.81	552503.9	19.02	1.16	0.34	1.56	
12-01-22 4:00	14.82	552486.8	17.73	1.28	0.34	1.56	
12-01-22 5:00	14.85	553442.6	15.81	1.32	0.34	1.59	
12-01-22 6:00	14.86	556809.1	15.72	1.41	0.36	1.88	
12-01-22 7:00	14.91	557629.6	15.34	1.45	0.35	1.85	
12-01-22 8:00	14.91	556690.9	16.01	1.37	0.35	1.64	
12-01-22 9:00	14.87	550987.9	19.21	1.28	0.35	1.62	
12-01-22 10:00	14.81	5482144.4	22.22	1.19	0.34	1.83	
12-01-22 11:00	14.7	549255.5	30.00	0.99	0.34	1.88	
12-01-22 12:00	14.64	551360.4	33.79	0.80	0.33	1.90	
12-01-22 13:00	14.7	542367.4	26.09	0.84	0.34	2.09	
12-01-22 14:00	14.57	555264.1	33.43	0.80	0.33	1.71	
12-01-22 15:00	14.59	555946.8	33.51	0.56	0.33	1.78	
12-01-22 16:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	
12-01-22 17:00	14.75	525358.1	34.14	1.31	0.34	2.30	
12-01-22 18:00	14.83	520665	34.83	1.45	0.34	2.41	
12-01-22 19:00	14.83	526792.1	34.51	1.45	0.34	2.31	
12-01-22 20:00	14.88	531637	32.49	1.46	0.35	2.19	
12-01-22 21:00	14.88	537982.8	28.27	1.47	0.35	2.17	

12-01-22 22:00	14.83	543408.4	20.05	1.47	0.34	3.08
12-01-22 23:00	14.76	551940.7	17.93	1.51	0.34	2.08
13-01-22 0:00	14.83	547702.4	23.14	1.60	0.34	1.82
13-01-22 1:00	14.83	548060.9	21.62	1.79	0.34	1.95
13-01-22 2:00	14.83	550751.7	18.99	1.83	0.34	2.51
13-01-22 3:00	14.84	551656.3	17.75	1.94	0.34	2.58
13-01-22 4:00	14.85	555211.8	14.59	2.14	0.34	3.61
13-01-22 5:00	14.87	557154.6	13.80	2.10	0.35	2.48
13-01-22 6:00	14.88	558181.4	13.34	2.16	0.35	2.35
13-01-22 7:00	14.89	558079	13.16	2.26	0.35	2.40
13-01-22 8:00	14.86	553266.2	17.67	2.23	0.35	1.85
13-01-22 9:00	14.78	547110.8	25.57	2.06	0.34	1.86
13-01-22 10:00	14.69	549483.1	33.99	1.78	0.34	1.98
13-01-22 11:00	14.67	549813.1	33.94	1.57	0.33	2.08
13-01-22 12:00	14.61	553220.7	33.40	1.32	0.33	1.92
13-01-22 13:00	14.72	525636.8	29.37	1.40	0.34	3.49
13-01-22 14:00	14.5	570475.1	25.46	1.30	0.33	1.54
13-01-22 15:00	14.54	571447.9	27.28	1.29	0.33	1.59
13-01-22 16:00	14.58	570435.3	28.03	1.08	0.33	1.71
13-01-22 17:00	14.64	547139.3	33.47	0.98	0.33	2.07
13-01-22 18:00	14.8	526254.8	34.63	1.01	0.34	2.35
13-01-22 19:00	14.87	526640.4	34.87	1.09	0.35	2.33
13-01-22 20:00	14.86	536984.6	34.91	1.08	0.34	2.01
13-01-22 21:00	14.85	545398.4	31.99	1.10	0.34	1.96
13-01-22 22:00	14.79	549951.4	22.66	1.15	0.34	2.37
13-01-22 23:00	14.75	552623.4	17.87	1.19	0.34	2.22
14-01-22 0:00	14.8	553510.8	16.50	1.24	0.34	2.37
14-01-22 1:00	14.86	543720.3	22.68	1.37	0.35	1.86
14-01-22 2:00	14.85	549249.8	21.13	1.41	0.34	1.70
14-01-22 3:00	14.85	552589.2	18.32	1.49	0.34	1.65
14-01-22 4:00	14.86	552509.6	17.93	1.60	0.35	1.70
14-01-22 5:00	14.88	553317.4	16.31	1.73	0.35	1.80
14-01-22 6:00	14.91	555530.4	14.72	1.77	0.35	1.80
14-01-22 7:00	14.93	556759.2	14.57	1.88	0.35	1.97
14-01-22 8:00	14.93	555035.4	14.93	1.80	0.35	1.82
14-01-22 9:00	15.12	551946.4	18.57	1.95	0.35	1.85
14-01-22 10:00	14.85	546411.1	21.15	1.72	0.34	1.79
14-01-22 11:00	14.72	549210	19.92	1.56	0.34	1.87
14-01-22 12:00	14.66	551451.4	21.36	1.33	0.33	1.89
14-01-22 13:00	14.69	541920	26.12	1.34	0.34	4.69
14-01-22 14:00	14.57	558266.8	30.29	1.22	0.33	2.01
14-01-22 15:00	14.61	561458.2	32.02	1.06	0.33	2.06
14-01-22 16:00	14.61	559256.6	30.59	0.94	0.33	2.11
14-01-22 17:00	14.73	530769.3	29.54	1.34	0.34	2.37
14-01-22 18:00	14.86	520079.1	35.76	1.05	0.34	2.92
14-01-22 19:00	14.83	526364.9	35.04	1.08	0.34	2.60
14-01-22 20:00	14.82	528598.9	34.79	1.09	0.34	2.44
14-01-22 21:00	14.83	538918.4	28.33	1.13	0.34	2.38
14-01-22 22:00	14.77	549664.7	17.63	1.20	0.34	2.88
14-01-22 23:00	14.79	552520.9	14.18	1.26	0.34	2.20
15-01-22 0:00	14.82	551872.4	18.72	1.40	0.34	2.37
15-01-22 1:00	14.82	551550.5	18.42	1.50	0.34	2.68
15-01-22 2:00	14.85	552088.6	17.39	1.67	0.34	2.83
15-01-22 3:00	14.84	555280.1	12.62	1.73	0.34	3.01
15-01-22 4:00	14.86	555831.9	11.74	1.77	0.35	2.60
15-01-22 5:00	14.86	558134.3	11.43	1.35	0.35	2.57
15-01-22 6:00	14.88	558960.8	11.03	1.92	0.35	2.93
15-01-22 7:00	14.9	558391.9	11.21	2.04	0.35	3.00
15-01-22 8:00	14.87	553857.8	14.38	2.02	0.35	2.20
15-01-22 9:00	14.9	544994.6	20.52	1.87	0.34	2.34
15-01-22 10:00	14.71	547292.9	20.83	1.68	0.34	2.20
15-01-22 11:00	14.68	549545.7	31.86	1.45	0.34	2.25
15-01-22 12:00	14.61	553215	33.63	1.25	0.33	2.15
15-01-22 13:00	14.65	539935.6	27.42	1.24	0.33	2.39
15-01-22 14:00	14.51	554826	33.04	1.17	0.33	1.80
15-01-22 15:00	14.54	564319.7	33.17	1.20	0.33	1.83
15-01-22 16:00	14.6	549346.6	33.57	1.03	0.33	2.16
15-01-22 17:00	14.76	520765.8	31.32	1.09	0.34	2.59
15-01-22 18:00	14.87	513913.8	36.13	1.07	0.34	2.94
15-01-22 19:00	14.88	523991.4	35.29	1.01	0.35	2.94
15-01-22 20:00	14.86	529102.3	34.38	1.16	0.35	2.55
15-01-22 21:00	14.81	542634	30.77	1.24	0.34	2.36
15-01-22 22:00	14.59	570821.9	14.63	1.43	0.33	2.11
15-01-22 23:00	14.57	581477.4	14.66	1.14	0.33	2.11
16-01-22 0:00	14.56	583013.4	14.69	1.30	0.33	2.17
16-01-22 1:00	14.56	583963.4	14.26	1.18	0.33	2.16
16-01-22 2:00	14.54	585180.9	14.25	1.33	0.33	2.19
16-01-22 3:00	14.54	586324.3	13.90	1.33	0.33	2.23
16-01-22 4:00	14.54	587433.7	13.67	1.35	0.33	2.20
16-01-22 5:00	14.54	588686.6	13.85	1.44	0.33	2.35
16-01-22 6:00	14.55	590107.4	14.52	1.47	0.33	4.09
16-01-22 7:00	14.56	589612.5	14.43	1.64	0.33	3.09
16-01-22 8:00	14.57	586153.7	13.27	1.58	0.33	2.50
16-01-22 9:00	14.58	590089.3	13.13	1.53	0.33	2.59
16-01-22 10:00	14.57	574104.6	12.89	1.41	0.33	2.45
16-01-22 11:00	14.57	567977.7	14.73	1.28	0.33	2.46
16-01-22 12:00	14.52	569946	14.24	1.09	0.33	2.18
16-01-22 13:00	14.47	569798.1	14.80	1.00	0.32	2.05
16-01-22 14:00	14.51	569697.7	15.41	0.97	0.33	2.17
16-01-22 15:00	14.53	564336.8	15.73	0.90	0.33	2.11
16-01-22 16:00	14.54	562396.9	16.40	0.78	0.33	2.16
16-01-22 17:00	14.61	554618.7	19.11	0.77	0.33	2.47
16-01-22 18:00	14.56	493320.8	40.03	0.83	0.33	3.87
16-01-22 19:00	15	481484.3	43.17	0.95	0.35	2.68
16-01-22 20:00	15	499555.5	37.24	1.00	0.35	4.38
16-01-22 21:00	14.58	571222.6	14.60	0.93	0.33	2.09
16-01-22 22:00	14.56	579816.3	14.11	0.86	0.33	2.05
16-01-22 23:00	14.56	580.75,10	14.23	0.97	0.33	2.08

17-01-22 0:00	14.54	582.990.60	13.31	1.02	0.33	2.15	
17-01-22 1:00	14.54	585.106.90	13.40	1.07	0.33	2.18	
17-01-22 2:00	14.55	584.264.90	13.97	1.13	0.33	2.20	
17-01-22 3:00	14.54	585.522.20	13.28	1.21	0.33	2.28	
17-01-22 4:00	14.53	586.338.20	13.82	1.36	0.33	2.86	
17-01-22 5:00	14.53	589.288.30	13.68	1.38	0.33	2.82	
17-01-22 6:00	14.54	589.094.80	13.76	1.48	0.33	2.61	
17-01-22 7:00	14.55	590.441.50	13.24	1.58	0.33	2.82	
17-01-22 8:00	14.70	566.669.20	17.27	1.72	0.34	2.48	
17-01-22 9:00	14.74	547.258.80	19.98	1.66	0.34	2.37	
17-01-22 10:00	14.70	546.809.30	22.65	1.46	0.34	2.44	
17-01-22 11:00	14.66	547.833.30	28.13	1.26	0.33	2.61	
17-01-22 12:00	14.61	561.514.00	28.36	0.99	0.35	2.45	
17-01-22 13:00	14.65	540.691.70	26.69	1.03	0.33	3.26	
17-01-22 14:00	14.55	563.676.90	25.22	1.00	0.33	2.10	
17-01-22 15:00	14.58	560.650.40	24.64	0.92	0.33	2.21	
17-01-22 16:00	14.58	560.508.10	25.54	0.79	0.33	2.53	
17-01-22 17:00	14.66	533884	33.85	0.77	0.33	2.36	
17-01-22 18:00	14.79	522752.3	31.60	0.79	0.34	2.73	
17-01-22 19:00	14.79	52725.1	29.83	0.83	0.34	2.64	
17-01-22 20:00	14.83	530860.4	32.02	0.85	0.34	2.55	
17-01-22 21:00	14.83	540978.2	28.02	0.92	0.34	2.72	
17-01-22 22:00	14.74	550483.6	19.49	0.96	0.34	2.54	
17-01-22 23:00	14.71	551479.9	18.59	0.95	0.34	2.11	
18-01-22 0:00	14.72	551531.1	18.30	1.11	0.34	2.08	
18-01-22 1:00	14.73	550131.6	17.17	1.11	0.34	2.09	
18-01-22 2:00	14.79	550535.5	18.20	1.26	0.34	2.02	
18-01-22 3:00	14.75	552987.4	18.20	1.38	0.34	1.92	
18-01-22 4:00	14.84	554933.1	15.03	1.39	0.34	1.89	
18-01-22 5:00	14.86	557447.5	14.54	1.60	0.35	1.93	
18-01-22 6:00	14.87	557993.7	14.25	1.70	0.35	1.99	
18-01-22 7:00	14.87	556695.4	14.68	1.68	0.35	1.95	
18-01-22 8:00	14.87	553584.8	16.94	1.73	0.35	1.97	
18-01-22 9:00	14.87	550313.7	18.60	1.67	0.35	1.97	
18-01-22 10:00	14.78	547099.4	20.39	1.59	0.34	2.15	
18-01-22 11:00	14.71	549301.1	19.24	1.43	0.34	2.16	
18-01-22 12:00	14.65	552776.9	19.97	1.12	0.33	2.23	
18-01-22 13:00	14.66	544076.4	21.83	1.01	0.33	4.52	
18-01-22 14:00	14.53	563437.9	21.39	1.00	0.33	2.30	
18-01-22 15:00	14.56	564986.1	21.40	0.96	0.33	2.40	
18-01-22 16:00	16.32	559859.6	17.36	0.47	0.30	1.86	
18-01-22 17:00	14.6	534265.3	33.09	2.35	0.33	2.42	
18-01-22 18:00	14.79	523182.3	34.22	2.29	0.34	2.95	
18-01-22 19:00	14.75	531907.1	31.47	2.69	0.34	2.69	
18-01-22 20:00	14.75	534418.9	29.16	1.96	0.34	2.66	
18-01-22 21:00	14.76	541097.7	29.15	1.80	0.34	2.68	
18-01-22 22:00	14.71	547332	18.43	1.71	0.34	2.99	
18-01-22 23:00	14.69	547.548.90	19.00	1.70	0.34	2.40	
19-01-22 0:00	14.78	545.512.30	18.75	1.80	0.34	2.27	
19-01-22 1:00	14.81	550.501.40	18.58	1.90	0.34	2.07	
19-01-22 2:00	14.84	556.123.00	14.87	2.04	0.34	2.09	
19-01-22 3:00	14.86	557.851.40	14.49	2.08	0.35	2.17	
19-01-22 4:00	14.88	559.529.70	14.97	2.18	0.35	2.21	
19-01-22 5:00	14.89	559.359.00	15.08	2.23	0.35	2.10	
19-01-22 6:00	14.93	562.387.10	14.75	2.37	0.35	2.35	
19-01-22 7:00	14.93	559.973.40	14.73	2.29	0.35	2.33	
19-01-22 8:00	14.92	557.902.60	15.94	2.29	0.35	2.13	
19-01-22 9:00	14.90	554.352.80	17.45	2.12	0.35	2.07	
19-01-22 10:00	14.87	546.536.30	23.95	1.99	0.35	2.25	
19-01-22 11:00	14.83	542.912.40	30.88	1.87	0.34	2.27	
19-01-22 12:00	14.68	551616.4	19.26	1.64	0.34	2.28	
19-01-22 13:00	14.73	543442.4	21.14	1.49	0.34	5.03	
19-01-22 14:00	14.59	554716.9	20.67	1.28	0.33	2.34	
19-01-22 15:00	14.6	553664.4	22.19	1.17	0.33	2.49	
19-01-22 16:00	14.6	552737.1	25.51	1.10	0.33	2.57	
19-01-22 17:00	14.69	534533.5	29.29	1.09	0.34	2.74	
19-01-22 18:00	14.85	521690.5	32.60	1.14	0.34	3.39	
19-01-22 19:00	14.8	528880.3	34.55	1.17	0.34	2.77	
19-01-22 20:00	14.83	531525.9	29.52	1.20	0.34	2.86	
19-01-22 21:00	14.77	549483.1	21.06	1.37	0.34	2.50	
19-01-22 22:00	14.77	546893.3	18.03	1.43	0.34	2.62	
19-01-22 23:00	14.79	543179.8	19.71	1.45	0.34	2.16	
20-01-22 0:00	14.79	545296.1	19.48	1.48	0.34	2.15	
20-01-22 1:00	14.79	550831.4	18.67	1.52	0.34	2.15	
20-01-22 2:00	14.79	554176.4	18.26	1.61	0.34	2.16	
20-01-22 3:00	14.81	556725.1	15.14	1.71	0.34	2.12	
20-01-22 4:00	14.83	557612.5	15.31	1.76	0.34	2.16	
20-01-22 5:00	14.84	559307.8	15.49	1.87	0.34	2.27	
20-01-22 6:00	14.95	559825.5	14.89	2.05	0.34	2.33	
20-01-22 7:00	14.87	559552.4	15.09	2.13	0.35	2.25	
20-01-22 8:00	14.87	558773.1	16.21	2.07	0.35	2.15	
20-01-22 9:00	14.85	555752.3	17.05	1.98	0.34	2.07	
20-01-22 10:00	14.81	548584.7	24.78	1.89	0.34	2.18	
20-01-22 11:00	14.67	550831.4	19.76	1.73	0.33	2.27	
20-01-22 12:00	14.59	553613.2	20.48	1.48	0.33	2.33	
20-01-22 13:00	14.61	544767.3	24.06	1.39	0.33	4.09	
20-01-22 14:00	14.48	561088.4	28.80	1.25	0.33	2.33	
20-01-22 15:00	14.51	565127.5	30.83	1.22	0.33	2.39	
20-01-22 16:00	14.53	560439.9	29.52	1.04	0.33	2.47	
20-01-22 17:00	14.61	531355	32.91	1.07	0.33	2.97	
20-01-22 18:00	14.75	522074.2	33.94	1.09	0.34	2.95	
20-01-22 19:00	14.77	526860.3	34.23	1.12	0.34	2.82	
20-01-22 20:00	14.75	532655.4	33.33	1.14	0.34	2.70	
20-01-22 21:00	14.67	549193.3	26.17	1.33	0.33	2.63	
20-01-22 22:00	14.66	550066.3	22.28	1.11	0.33	2.50	
20-01-22 23:00	14.65	552145.5	20.15	1.14	0.33	2.36	
21-01-22 0:00	14.65	551366.1	20.35	1.22	0.33	2.38	
21-01-22 1:00	14.65	550165.8	19.45	1.26	0.33	2.42	

21-01-22 2:00	14.65	549938.2	18.57	1.31	0.33	2.41
21-01-22 3:00	14.65	551263.7	16.42	1.37	0.33	2.43
21-01-22 4:00	14.67	550034.9	20.73	1.44	0.33	2.52
21-01-22 5:00	14.69	548857.3	17.93	1.60	0.34	2.44
21-01-22 6:00	14.75	551955.4	18.06	1.74	0.34	2.19
21-01-22 7:00	14.76	551144.3	18.42	1.73	0.34	2.29
21-01-22 8:00	14.77	552356	18.27	1.86	0.34	2.27
21-01-22 9:00	14.78	551989.5	18.26	1.90	0.34	2.33
21-01-22 10:00	14.77	549420.5	18.94	2.00	0.34	2.27
21-01-22 11:00	14.77	550433.1	18.81	1.93	0.34	2.18
21-01-22 12:00	14.74	545529.3	25.05	1.86	0.34	2.22
21-01-22 13:00	14.76	538231.2	23.18	1.75	0.34	8.25
21-01-22 14:00	14.58	550865.5	21.24	1.37	0.33	2.12
21-01-22 15:00	14.57	549892.7	23.13	1.22	0.33	2.64
21-01-22 16:00	14.54	544420	28.51	1.18	0.33	2.56
21-01-22 17:00	14.68	525141.4	33.58	1.44	0.34	2.85
21-01-22 18:00	14.7	530032.3	32.98	1.40	0.34	2.66
21-01-22 19:00	14.75	527999.9	29.86	1.35	0.34	3.28
21-01-22 20:00	14.81	529533.6	25.02	1.37	0.34	3.60
21-01-22 21:00	14.74	540440.5	24.79	1.38	0.34	2.82
21-01-22 22:00	14.66	547724.5	20.73	1.35	0.33	3.60
21-01-22 23:00	14.68	544152.6	22.75	1.52	0.34	2.32
22-01-22 0:00	14.7	548325.8	18.85	1.62	0.34	2.19
22-01-22 1:00	14.7	549733.4	18.77	1.69	0.34	2.15
22-01-22 2:00	14.7	549073.5	18.88	1.71	0.34	2.16
22-01-22 3:00	14.7	551121.5	18.49	1.77	0.34	2.20
22-01-22 4:00	14.71	555467.8	15.95	1.79	0.34	2.16
22-01-22 5:00	14.71	554831.5	18.71	1.71	0.34	2.21
22-01-22 6:00	14.71	553579.1	15.34	1.91	0.34	2.18
22-01-22 7:00	14.74	554881.8	14.35	2.01	0.34	2.27
22-01-22 8:00	14.72	551462.8	17.29	2.03	0.34	2.19
22-01-22 9:00	14.69	545102.6	19.69	2.01	0.34	2.31
22-01-22 10:00	14.57	551098.8	18.33	2.00	0.33	2.31
22-01-22 11:00	14.52	551707.4	19.38	1.76	0.33	2.37
22-01-22 12:00	14.45	555792.1	20.38	1.62	0.32	2.45
22-01-22 13:00	14.6	522794.4	28.22	1.63	0.34	2.40
22-01-22 14:00	14.6	523009.3	33.55	1.70	0.33	2.68
22-01-22 15:00	14.62	521858.2	33.84	1.63	0.33	2.81
22-01-22 16:00	14.67	520392.6	33.27	1.55	0.33	3.55
22-01-22 17:00	14.75	49960.2	46.71	1.75	0.34	3.00
22-01-22 18:00	14.81	490196.8	42.88	1.55	0.34	2.84
22-01-22 19:00	14.81	495339.6	45.92	1.51	0.34	2.77
22-01-22 20:00	14.84	496810.2	44.34	1.59	0.34	3.03
22-01-22 21:00	14.85	505891.3	35.13	1.82	0.34	2.75
22-01-22 22:00	14.83	581170.2	9.38	1.49	0.32	2.70
22-01-22 23:00	14.4	583809.8	9.15	1.50	0.32	2.61
23-01-22 0:00	14.41	584213.8	9.07	1.56	0.32	2.47
23-01-22 1:00	14.41	588552.4	8.36	1.60	0.32	2.46
23-01-22 2:00	14.41	588662.4	7.73	1.59	0.32	2.45
23-01-22 3:00	14.4	589151.7	7.04	1.62	0.32	2.46
23-01-22 4:00	14.42	590994.9	7.08	1.66	0.32	2.49
23-01-22 5:00	14.4	591621.7	7.03	1.74	0.32	2.85
23-01-22 6:00	14.41	591353.3	7.63	1.66	0.32	2.77
23-01-22 7:00	14.42	589003.8	8.04	1.89	0.32	2.56
23-01-22 8:00	14.44	585078.4	9.36	1.88	0.32	2.62
23-01-22 9:00	14.45	582786.8	10.00	1.85	0.32	2.40
23-01-22 10:00	14.45	578479.4	10.42	1.79	0.32	2.41
23-01-22 11:00	14.44	574656.4	10.60	1.74	0.32	2.49
23-01-22 12:00	14.4	569655.9	12.25	1.63	0.32	2.55
23-01-22 13:00	14.39	567165.1	13.48	1.54	0.32	2.54
23-01-22 14:00	14.4	573814.4	13.22	1.44	0.32	2.39
23-01-22 15:00	14.43	570532	14.34	1.42	0.32	2.39
23-01-22 16:00	14.42	567004.9	14.82	1.35	0.32	2.31
23-01-22 17:00	14.48	559975.5	18.36	1.34	0.32	3.15
23-01-22 18:00	14.84	497746.9	36.41	1.44	0.34	4.58
23-01-22 19:00	14.88	488208.6	41.79	1.44	0.35	3.11
23-01-22 20:00	14.49	497681.2	35.13	1.44	0.35	4.49
23-01-22 21:00	14.45	579651.2	8.98	1.26	0.32	2.44
23-01-22 22:00	14.43	581568.4	9.19	1.43	0.32	2.33
23-01-22 23:00	14.44	581005.2	9.73	1.43	0.32	2.39
24-01-22 0:00	14.42	581198.6	8.76	1.46	0.32	2.42
24-01-22 1:00	14.41	583665.2	8.91	1.50	0.32	2.33
24-01-22 2:00	14.42	582399	8.95	1.52	0.32	2.35
24-01-22 3:00	14.42	585692.9	7.87	1.53	0.32	2.39
24-01-22 4:00	14.42	585783.9	8.14	1.60	0.32	2.43
24-01-22 5:00	14.44	587547.4	8.54	1.64	0.32	2.53
24-01-22 6:00	14.45	589163.1	8.49	1.69	0.33	3.23
24-01-22 7:00	14.45	587699.7	7.97	1.76	0.32	2.89
24-01-22 8:00	14.65	559501.2	14.24	1.98	0.33	2.84
24-01-22 9:00	14.62	556664	16.95	1.93	0.33	2.51
24-01-22 10:00	14.56	551138.6	15.72	1.86	0.33	2.63
24-01-22 11:00	14.54	550495.7	17.12	1.68	0.33	2.89
24-01-22 12:00	14.51	553488.1	17.85	1.67	0.33	2.76
24-01-22 13:00	14.58	545268.6	22.44	1.59	0.33	3.72
24-01-22 14:00	14.47	551729.2	25.26	1.44	0.32	2.48
24-01-22 15:00	14.51	543492.7	27.24	0.60	0.33	2.60
24-01-22 16:00	14.52	545227.8	28.21	0.24	0.33	2.71
24-01-22 17:00	14.52	543939.4	29.41	0.20	0.33	2.61
24-01-22 18:00	14.66	529875.6	29.15	0.20	0.33	2.88
24-01-22 19:00	14.66	535075.8	27.42	0.07	0.33	3.14
24-01-22 20:00	14.69	534447.2	26.70	0.07	0.34	3.28
24-01-22 21:00	14.69	545432.6	24.17	0.09	0.34	3.17
24-01-22 22:00	14.63	549385.9	16.37	0.11	0.34	3.31
24-01-22 23:00	14.62	551178.4	16.01	0.17	0.33	2.96
25-01-22 0:00	14.62	550222.6	13.50	0.29	0.33	3.95
25-01-22 1:00	14.7	543583.7	18.85	0.42	0.34	4.23
25-01-22 2:00	14.72	552405.2	13.10	0.22	0.34	2.82
25-01-22 3:00	14.74	554540.5	12.21	0.54	0.34	2.80

25-01-22 4:00	14.76	556002.6	11.29	0.57	0.34	2.82	
25-01-22 5:00	14.77	557396.3	11.27	0.69	0.34	2.93	
25-01-22 6:00	14.78	556713.7	11.33	0.75	0.34	2.99	
25-01-22 7:00	14.79	556746.6	11.63	0.87	0.34	3.90	
25-01-22 8:00	14.76	549357.9	15.16	0.76	0.34	2.90	
25-01-22 9:00	14.65	549448.9	16.40	0.20	0.33	2.95	
25-01-22 10:00	14.59	550120.3	16.37	0.12	0.33	2.87	
25-01-22 11:00	14.54	551445.8	16.70	0.03	0.33	2.89	
25-01-22 12:00	14.48	555175	16.80	0.01	0.32	2.61	
25-01-22 13:00	14.53	538040	22.56	0.02	0.33	2.86	
25-01-22 14:00	14.44	545381.4	28.03	0.01	0.32	2.31	
25-01-22 15:00	14.45	550063.4	20.36	0.04	0.32	2.23	
25-01-22 16:00	14.46	549538.6	23.68	0.01	0.33	2.33	
25-01-22 17:00	14.47	548703.7	21.99	0.03	0.32	2.35	
25-01-22 18:00	14.61	533770.9	28.12	0.01	0.33	2.68	
25-01-22 19:00	14.62	537320.3	30.85	0.00	0.33	2.77	
25-01-22 20:00	14.63	538907.4	30.83	0.00	0.33	2.76	
25-01-22 21:00	14.64	544260.7	25.49	0.00	0.33	3.13	
25-01-22 22:00	14.62	548933.6	17.68	0.00	0.33	4.25	
25-01-22 23:00	14.6	551844	16.66	0.00	0.33	3.62	
26-01-22 0:00	14.6	551013.4	16.29	0.00	0.33	3.85	
26-01-22 1:00	14.61	550728.9	16.01	0.00	0.33	3.17	
26-01-22 2:00	14.62	551440.1	15.13	0.00	0.33	3.06	
26-01-22 3:00	14.7	549703.7	13.72	0.00	0.34	2.68	
26-01-22 4:00	14.74	552168.3	13.83	0.01	0.34	2.60	
26-01-22 5:00	14.75	553419.8	13.91	0.04	0.34	3.05	
26-01-22 6:00	14.76	553766.8	14.01	0.07	0.34	3.61	
26-01-22 7:00	14.76	551883.8	13.47	0.06	0.34	3.34	
26-01-22 8:00	14.72	548134.8	17.62	0.04	0.34	3.24	
26-01-22 9:00	14.63	551064.6	18.56	0.04	0.33	3.19	
26-01-22 10:00	14.58	552418.6	18.41	0.01	0.33	2.92	
26-01-22 11:00	14.55	554557.6	18.20	0.00	0.33	2.74	
26-01-22 12:00	14.51	557692.1	17.78	0.00	0.33	2.41	
26-01-22 13:00	14.57	535126.9	25.72	0.00	0.33	2.69	
26-01-22 14:00	14.53	541088.9	23.21	0.00	0.33	2.61	
26-01-22 15:00	14.54	538205.2	28.76	0.00	0.34	2.44	
26-01-22 16:00	14.55	534142.9	29.02	0.00	0.33	2.47	
26-01-22 17:00	14.49	552617.5	19.77	0.00	0.33	2.35	
26-01-22 18:00	14.62	538293.1	31.06	0.00	0.33	2.81	
26-01-22 19:00	14.64	543003.4	31.15	0.04	0.33	3.11	
26-01-22 20:00	14.65	546320.1	27.01	0.00	0.33	3.20	
26-01-22 21:00	14.72	539464.8	28.05	0.00	0.34	3.18	
26-01-22 22:00	14.7	547474.1	15.45	0.00	0.34	5.00	
26-01-22 23:00	14.65	552661.8	14.99	0.00	0.33	2.96	
27-01-22 0:00	14.65	551929.3	16.61	0.00	0.33	3.09	
27-01-22 1:00	14.66	551764.3	14.07	0.00	0.33	3.45	
27-01-22 2:00	14.66	552674.6	16.28	0.00	0.33	2.84	
27-01-22 3:00	14.69	552811.1	12.21	0.00	0.34	3.07	
27-01-22 4:00	14.76	554938.8	14.28	0.02	0.34	3.97	
27-01-22 5:00	14.78	554273.1	13.30	0.01	0.34	3.40	
27-01-22 6:00	14.8	556628.3	12.26	0.00	0.34	3.26	
27-01-22 7:00	14.81	555052.5	12.44	0.02	0.34	2.87	
27-01-22 8:00	14.76	550831.4	16.66	0.02	0.34	3.04	
27-01-22 9:00	14.66	555090.6	16.93	0.00	0.33	3.15	
27-01-22 10:00	14.61	550535.1	16.04	0.00	0.33	3.27	
27-01-22 11:00	14.56	550928.1	17.03	0.00	0.33	3.08	
27-01-22 12:00	14.48	554005.8	14.84	0.00	0.32	2.86	
27-01-22 13:00	14.58	536455.6	22.71	0.00	0.33	3.68	
27-01-22 14:00	14.52	531352.6	27.31	0.00	0.33	2.64	
27-01-22 15:00	14.53	531153.5	28.16	0.00	0.33	2.69	
27-01-22 16:00	14.55	531181.8	28.13	0.00	0.33	2.77	
27-01-22 17:00	14.54	546684.1	23.26	0.00	0.33	2.81	
27-01-22 18:00	14.62	533400.6	28.10	0.00	0.33	2.99	
27-01-22 19:00	14.61	538736.8	28.88	0.00	0.33	3.15	
27-01-22 20:00	14.6	545239.2	26.41	0.00	0.33	3.29	
27-01-22 21:00	14.59	552065.8	18.71	0.00	0.33	3.35	
27-01-22 22:00	14.62	551526.1	16.79	0.00	0.33	3.54	
27-01-22 23:00	14.58	552316.1	15.90	0.00	0.33	3.10	
28-01-22 0:00	14.58	551314.9	15.30	0.00	0.33	3.03	
28-01-22 1:00	14.58	550131.6	14.04	0.00	0.33	2.89	
28-01-22 2:00	14.58	550086.1	13.93	0.00	0.33	3.05	
28-01-22 3:00	14.58	550029.2	13.20	0.00	0.33	2.92	
28-01-22 4:00	14.59	550381.9	13.03	0.00	0.33	2.87	
28-01-22 5:00	14.6	550502	13.00	0.00	0.33	2.96	
28-01-22 6:00	14.66	549693.6	12.27	0.00	0.33	3.02	
28-01-22 7:00	14.74	544346	19.20	0.00	0.34	2.88	
28-01-22 8:00	14.71	544072.9	20.74	0.01	0.34	3.02	
28-01-22 9:00	14.63	550308	15.63	0.00	0.33	3.18	
28-01-22 10:00	14.58	549454.6	16.50	0.00	0.33	3.40	
28-01-22 11:00	14.55	551258	14.92	0.00	0.33	3.27	
28-01-22 12:00	14.49	554625.8	14.56	0.00	0.33	2.93	
28-01-22 13:00	14.54	532456.7	24.04	0.00	0.33	3.48	
28-01-22 14:00	14.47	538290.6	27.30	0.00	0.32	2.71	
28-01-22 15:00	14.48	534362	27.16	0.00	0.32	2.67	
28-01-22 16:00	14.51	535767.1	26.17	0.00	0.33	2.68	
28-01-22 17:00	14.65	523714.8	31.64	0.00	0.33	3.13	
28-01-22 18:00	14.73	514610.7	36.92	0.00	0.34	3.33	
28-01-22 19:00	14.73	517901.9	36.58	0.00	0.34	3.47	
28-01-22 20:00	14.73	521032.9	35.74	0.00	0.34	3.57	
28-01-22 21:00	14.73	522638.3	34.87	0.00	0.34	3.63	
28-01-22 22:00	14.65	544742.6	17.81	0.00	0.33	4.30	
28-01-22 23:00	14.57	551666.3	15.35	0.00	0.33	3.06	
29-01-22 0:00	14.57	550831.4	15.67	0.00	0.33	3.17	
29-01-22 1:00	14.56	550871.2	13.99	0.00	0.33	3.30	
29-01-22 2:00	14.55	551189.8	13.71	0.00	0.33	2.99	
29-01-22 3:00	14.56	549949.6	13.79	0.00	0.33	3.36	
29-01-22 4:00	14.57	549682.2	13.40	0.00	0.33	3.72	
29-01-22 5:00	14.58	548339.6	12.75	0.00	0.33	3.36	

29-01-22 6:00	14.6	549488.8	11.52	0.00	0.33	3.38
29-01-22 7:00	14.6	548043.8	12.11	0.00	0.33	3.19
29-01-22 8:00	14.58	547679.7	13.99	0.00	0.33	3.00
29-01-22 9:00	14.56	547600.1	15.35	0.00	0.33	3.21
29-01-22 10:00	14.55	549266.9	15.59	0.00	0.33	3.26
29-01-22 11:00	14.51	550837.1	13.85	0.00	0.33	2.96
29-01-22 12:00	14.45	555501.9	13.80	0.00	0.32	2.65
29-01-22 13:00	14.56	529047.1	22.60	0.00	0.33	3.34
29-01-22 14:00	14.52	527139.5	27.03	0.01	0.33	2.58
29-01-22 15:00	14.53	526237.4	27.04	0.01	0.33	2.61
29-01-22 16:00	14.54	522065.5	26.03	0.00	0.33	2.59
29-01-22 17:00	14.57	523216.2	25.16	0.01	0.33	2.66
29-01-22 18:00	14.68	513299.9	34.42	0.00	0.34	3.30
29-01-22 19:00	14.72	513421.9	36.24	0.00	0.34	3.54
29-01-22 20:00	14.72	521832.9	34.84	0.00	0.34	3.64
29-01-22 21:00	14.71	529560.3	22.50	0.00	0.34	4.21
29-01-22 22:00	14.43	575299.3	6.45	0.00	0.32	3.22
29-01-22 23:00	14.42	576977.5	5.52	0.00	0.32	3.01
30-01-22 0:00	14.42	578411.1	5.33	0.00	0.32	2.99
30-01-22 1:00	14.42	579014.1	4.98	0.00	0.32	3.23
30-01-22 2:00	14.42	578769.5	4.98	0.00	0.32	2.96
30-01-22 3:00	14.43	580368.1	4.85	0.00	0.32	2.89
30-01-22 4:00	14.43	580652.5	4.92	0.00	0.32	2.91
30-01-22 5:00	14.43	581631	4.53	0.00	0.32	3.12
30-01-22 6:00	14.44	581790.3	4.11	0.00	0.32	3.02
30-01-22 7:00	14.45	581426.2	4.02	0.00	0.32	2.95
30-01-22 8:00	14.45	577927.5	4.77	0.00	0.32	2.98
30-01-22 9:00	14.48	571476.3	7.68	0.00	0.32	2.98
30-01-22 10:00	14.48	567323.4	8.51	0.00	0.32	2.89
30-01-22 11:00	14.48	564473.3	10.10	0.00	0.32	2.68
30-01-22 12:00	14.44	565429.1	10.88	0.00	0.32	2.40
30-01-22 13:00	14.37	565275.4	10.39	0.00	0.32	2.20
30-01-22 14:00	14.38	563813.4	10.35	0.00	0.32	2.16
30-01-22 15:00	14.39	564626.9	11.06	0.00	0.32	2.16
30-01-22 16:00	14.39	565770.4	11.45	0.00	0.32	2.18
30-01-22 17:00	14.42	559511.7	13.92	0.00	0.32	2.30
30-01-22 18:00	14.74	511155.9	37.69	0.00	0.34	3.19
30-01-22 19:00	14.91	492671.5	40.43	0.00	0.35	3.68
30-01-22 20:00	14.91	496981.2	36.87	0.00	0.35	3.98
30-01-22 21:00	14.54	573999.8	12.53	0.00	0.33	2.94
30-01-22 22:00	14.52	577432.6	10.17	0.00	0.33	2.99
30-01-22 23:00	14.51	580993.80	9.51	0.00	0.33	2.95
31-01-22 0:00	14.50	583764.30	8.87	0.00	0.33	3.03
31-01-22 1:00	14.48	583502.60	8.81	0.00	0.33	3.00
31-01-22 2:00	14.48	586551.90	8.46	0.00	0.32	3.05
31-01-22 3:00	14.47	587538.10	8.13	0.00	0.32	3.10
31-01-22 4:00	14.47	586813.60	8.23	0.00	0.32	3.19
31-01-22 5:00	14.47	586972.00	7.32	0.00	0.32	3.20
31-01-22 6:00	14.47	586654.30	7.31	0.00	0.32	3.46
31-01-22 7:00	14.48	591256.80	7.29	0.00	0.32	3.36
31-01-22 8:00	14.99	488436.00	17.92	0.00	0.36	1.95
31-01-22 9:00	15.05	469025.60	29.83	0.00	0.36	5.84
31-01-22 10:00	15.00	470402.30	30.75	0.00	0.35	4.47
31-01-22 11:00	14.99	472771.80	32.36	0.00	0.35	4.57
31-01-22 12:00	14.99	460810.90	26.83	0.00	0.35	4.39
31-01-22 13:00	14.72	513047.20	20.09	0.00	0.34	4.96
31-01-22 14:00	14.46	546359.90	21.20	0.00	0.32	2.70
31-01-22 15:00	14.36	575208.30	11.43	0.00	0.32	2.33
31-01-22 16:00	14.39	565505.80	13.65	0.00	0.32	2.40
31-01-22 17:00	14.51	537302.80	21.09	0.00	0.33	3.13
31-01-22 18:00	14.60	529296.90	28.30	0.00	0.33	3.29
31-01-22 19:00	14.58	542781.60	28.55	0.00	0.33	3.32
31-01-22 20:00	14.58	546516.06	20.48	0.00	0.33	3.48
31-01-22 21:00	14.60	543873.80	27.48	0.00	0.33	3.68
31-01-22 22:00	15.06	462051.30	23.19	0.00	1.46	10.35
31-01-22 23:00	15.07	457315.10	24.61	0.00	1.41	10.04
Minimum	14.33	429,112.40	4.02	0.00	0.30	1.04
Maximum	16.32	591,621.70	49.06	2.35	0.52	60.78
Avg	14.72	546,018.07	21.76	0.74	0.37	3.01
STD						

Site Name: GULF_NRV1
Stack Name: HRSG_STACK1
Periodically: 01/02/2020 00:00-29/02/2020 23:59

Date & Time	O2	Emission Concentration for Standardization Comparison					Remark
		FLOW @ 1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2	
		% m3/hr	ppm	ppm	mg/m3	ppm	
01-02-22 0:00	15.11	445 601.60	22.85	0.00	0.58	5.34	
01-02-22 1:00	15.09	453 924.50	22.70	0.00	0.40	5.68	
01-02-22 2:00	15.09	446 989.70	22.61	0.00	0.44	5.29	
01-02-22 3:00	15.08	440 404.80	23.18	0.00	0.54	4.61	
01-02-22 4:00	15.09	438 109.40	22.36	0.00	1.72	4.97	
01-02-22 5:00	15.11	436 459.60	21.72	0.00	1.13	5.04	
01-02-22 6:00	15.11	440 999.30	22.98	0.00	1.31	4.95	
01-02-22 7:00	15.18	436 526.60	19.67	0.00	4.13	6.95	
01-02-22 8:00	15.11	453 864.80	23.70	0.00	0.36	4.63	
01-02-22 9:00	15.08	466 451.40	25.90	0.00	0.36	4.28	
01-02-22 10:00	15.06	467 040.20	26.69	0.00	0.36	4.03	
01-02-22 11:00	15.06	465 492.80	23.99	0.00	0.36	5.21	
01-02-22 12:00	15.05	459 090.00	22.53	0.00	0.36	5.00	
01-02-22 13:00	14.71	520 409	17.82	0.00	0.34	4.06	
01-02-22 14:00	14.48	536 026	21.00	0.00	0.32	2.75	
01-02-22 15:00	14.52	527 069	24.29	0.00	0.33	2.74	
01-02-22 16:00	14.50	526 127	24.19	0.00	0.33	2.74	
01-02-22 17:00	14.41	555 570	14.61	0.00	0.32	2.65	
01-02-22 18:00	14.54	536 655	25.72	0.00	0.33	3.12	
01-02-22 19:00	14.58	538 760	27.09	0.00	0.33	3.39	
01-02-22 20:00	14.60	542 856	26.99	0.00	0.33	3.30	
01-02-22 21:00	14.61	543 322	26.03	0.00	0.33	3.33	
01-02-22 22:00	15.06	457 150	22.80	0.00	0.95	8.77	
01-02-22 23:00	15.08	445 346	22.12	0.00	0.78	5.35	
02-02-22 0:00	15.08	447 596	22.87	0.00	0.58	4.46	
02-02-22 1:00	15.08	449 069	23.30	0.00	0.53	4.51	
02-02-22 2:00	15.08	449 189	23.21	0.00	0.46	4.66	
02-02-22 3:00	15.08	447 175	22.90	0.00	0.42	4.71	
02-02-22 4:00	15.12	442 746	20.13	0.00	0.61	6.20	
02-02-22 5:00	15.14	439 779	20.15	0.00	1.61	6.63	
02-02-22 6:00	15.11	449 575	23.54	0.00	0.37	4.82	
02-02-22 7:00	15.17	439 446	20.74	0.00	0.27	4.63	
02-02-22 8:00	15.10	466 833	26.82	0.00	0.36	4.50	
02-02-22 9:00	15.08	475 926	28.11	0.00	0.36	5.05	
02-02-22 10:00	15.07	474 129	27.02	0.00	0.36	5.60	
02-02-22 11:00	15.05	477 707	27.15	0.00	0.36	6.38	
02-02-22 12:00	15.04	462 313	24.84	0.00	0.46	5.10	
02-02-22 13:00	14.76	518 153	19.41	0.00	0.34	4.82	
02-02-22 14:00	14.50	547 047	19.47	0.00	0.33	3.15	
02-02-22 15:00	14.45	549 238	16.85	0.00	0.32	2.92	
02-02-22 16:00	14.50	547 247	16.20	0.00	0.33	3.30	
02-02-22 17:00	14.71	536 286	20.54	0.00	0.47	3.15	
02-02-22 18:00	14.72	551 867	14.64	0.00	0.34	2.85	
02-02-22 19:00	14.74	553 517	13.60	0.00	0.34	2.88	
02-02-22 20:00	14.80	538 765	19.02	0.00	0.34	3.67	
02-02-22 21:00	14.85	533 731	16.57	0.00	0.34	4.26	
02-02-22 22:00	15.15	460 379	19.13	0.00	0.88	17.75	
02-02-22 23:00	15.12	453 236.10	22.91	0.00	0.36	6.03	
03-02-22 0:00	15.11	451 589.20	23.21	0.00	0.40	5.49	
03-02-22 1:00	15.11	456 842.90	23.39	0.00	0.40	5.71	
03-02-22 2:00	15.12	456 037.90	22.06	0.00	0.47	6.31	
03-02-22 3:00	15.14	439 616.90	19.72	0.00	0.87	6.64	
03-02-22 4:00	15.14	438 595.80	20.63	0.00	1.54	5.60	
03-02-22 5:00	15.13	438 453.50	20.87	0.00	2.43	5.70	
03-02-22 6:00	15.15	445 177.80	21.12	0.00	0.85	5.78	
03-02-22 7:00	15.17	443 351.70	19.60	0.00	0.86	6.84	
03-02-22 8:00	15.12	462 503.30	23.42	0.00	0.36	5.32	
03-02-22 9:00	15.09	470 789.20	25.33	0.00	0.36	5.75	
03-02-22 10:00	15.06	469 312.90	26.00	0.00	0.36	4.95	
03-02-22 11:00	14.99	480 144.60	29.90	0.00	0.35	4.74	
03-02-22 12:00	15.03	460 526.40	23.39	0.00	0.40	5.54	
03-02-22 13:00	14.75	522 616	15.54	0.00	0.34	6.66	
03-02-22 14:00	14.44	564 434	12.96	0.00	0.32	3.15	
03-02-22 15:00	14.43	567 523	11.10	0.00	0.32	3.04	
03-02-22 16:00	14.47	548 374	20.17	0.00	0.32	3.21	
03-02-22 17:00	14.47	541 780	23.89	0.00	0.32	3.15	
03-02-22 18:00	14.61	529 178	26.19	0.00	0.33	3.41	
03-02-22 19:00	14.61	534 595	25.01	0.00	0.33	3.41	
03-02-22 20:00	14.63	536 052	24.66	0.00	0.33	3.52	
03-02-22 21:00	14.65	537 423	24.03	0.00	0.33	3.56	
03-02-22 22:00	15.08	459 989	22.82	0.00	1.01	9.13	
03-02-22 23:00	15.08	454 960	24.26	0.00	0.50	5.58	
04-02-22 0:00	15.11	453 339	23.60	0.00	0.42	5.32	
04-02-22 1:00	15.09	458 979	25.25	0.00	0.41	4.93	
04-02-22 2:00	15.14	451 683	22.63	0.00	0.42	6.12	
04-02-22 3:00	15.13	448 574	23.83	0.00	0.69	5.19	
04-02-22 4:00	15.16	446 924	21.98	0.00	1.48	6.09	
04-02-22 5:00	15.18	444 620	20.92	0.00	0.76	6.19	
04-02-22 6:00	15.23	439 077	18.99	0.00	2.26	7.90	
04-02-22 7:00	15.23	442 086	20.41	0.00	0.42	6.63	
04-02-22 8:00	15.18	463 122	24.15	0.00	0.36	5.85	
04-02-22 9:00	15.09	481 071	31.17	0.00	0.36	4.43	
04-02-22 10:00	15.11	483 379	29.02	0.00	0.36	6.06	

04-02-22 11:00	15.12	478,062	27.10	0.00	0.36	6.30
04-02-22 12:00	15.12	465,049	24.41	0.00	0.36	6.01
04-02-22 13:00	14.83	521,899	17.14	0.00	0.34	7.99
04-02-22 14:00	14.59	550,786	17.67	0.00	0.33	3.38
04-02-22 15:00	14.59	549,386	19.42	0.00	0.33	3.54
04-02-22 16:00	14.64	540,702	24.42	0.00	0.33	3.56
04-02-22 17:00	14.83	523,702	24.72	0.00	0.34	4.43
04-02-22 18:00	14.79	530,417	27.76	0.00	0.34	3.66
04-02-22 19:00	14.77	540,392	29.53	0.00	0.34	3.30
04-02-22 20:00	14.80	542,719	26.21	0.00	0.34	3.25
04-02-22 21:00	14.77	554,120	18.09	0.00	0.34	3.30
04-02-22 22:00	14.72	548,410	12.17	0.00	0.34	4.54
04-02-22 23:00	14.70	554,216	11.65	0.00	0.34	3.45
05-02-22 0:00	14.71	553,972	12.32	0.00	0.34	3.36
05-02-22 1:00	14.72	555,314	11.80	0.00	0.34	3.36
05-02-22 2:00	14.73	555,741	11.22	0.00	0.34	3.33
05-02-22 3:00	14.77	557,897	10.77	0.00	0.34	3.28
05-02-22 4:00	14.85	558,261	12.52	0.00	0.34	2.98
05-02-22 5:00	14.84	558,716	13.78	0.00	0.34	3.04
05-02-22 6:00	14.89	559,996	12.32	0.01	0.35	3.02
05-02-22 7:00	14.90	560,667	12.00	0.00	0.35	3.04
05-02-22 8:00	14.92	557,499	12.16	0.00	0.35	3.09
05-02-22 9:00	14.93	556,913	12.06	0.00	0.35	3.16
05-02-22 10:00	14.89	553,733	13.88	0.00	0.35	3.11
05-02-22 11:00	14.80	550,376	15.45	0.00	0.34	3.26
05-02-22 12:00	14.70	552,316	15.61	0.00	0.34	3.29
05-02-22 13:00	14.89	520,135	24.61	0.00	0.35	8.11
05-02-22 14:00	14.83	515,287	32.69	0.00	0.34	4.33
05-02-22 15:00	14.78	525,418	33.30	0.00	0.34	3.70
05-02-22 16:00	14.81	520,907	29.47	0.00	0.34	4.17
05-02-22 17:00	14.80	517,299	24.83	0.00	0.34	4.68
05-02-22 18:00	14.88	502,619	45.15	0.00	0.35	4.00
05-02-22 19:00	14.91	500,246	45.27	0.00	0.35	3.82
05-02-22 20:00	14.98	499,094	40.73	0.00	0.35	4.19
05-02-22 21:00	15.05	484,559	38.15	0.16	1.18	10.92
05-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 18:00	15.03	485,393	33.41	0.10	0.86	9.21
06-02-22 19:00	14.97	487,950	39.18	0.00	0.35	4.09
06-02-22 20:00	14.94	498,325	32.17	0.00	0.35	4.71
06-02-22 21:00	14.55	577,609	10.03	0.00	0.33	3.47
06-02-22 22:00	14.54	578,104	10.32	0.00	0.33	3.41
06-02-22 23:00	14.53	579,498	9.64	0.00	0.33	4.14
07-02-22 0:00	14.51	581,785	8.84	0.00	0.33	3.77
07-02-22 1:00	14.51	583,195	8.28	0.00	0.33	3.76
07-02-22 2:00	14.52	583,520	8.25	0.00	0.33	3.70
07-02-22 3:00	14.52	583,252	8.53	0.00	0.33	3.63
07-02-22 4:00	14.49	585,522	7.67	0.00	0.33	4.63
07-02-22 5:00	14.49	587,013	7.64	0.00	0.33	4.74
07-02-22 6:00	14.51	585,858	7.24	0.00	0.33	4.99
07-02-22 7:00	14.51	588,150	6.81	0.00	0.33	5.58
07-02-22 8:00	15.06	486,521	14.78	0.00	0.36	21.10
07-02-22 9:00	15.10	465,490	26.48	0.00	0.36	5.65
07-02-22 10:00	15.04	469,100	28.72	0.00	0.36	4.55
07-02-22 11:00	14.98	476,495	32.05	0.00	0.35	3.87
07-02-22 12:00	14.48	469,979	28.21	0.00	0.37	5.27
07-02-22 13:00	14.69	517,300	16.74	0.00	0.34	5.42
07-02-22 14:00	14.46	539,658	23.21	0.00	0.32	3.24
07-02-22 15:00	14.48	529,902	26.83	0.00	0.32	3.16
07-02-22 16:00	14.50	528,348	27.03	0.00	0.33	3.19
07-02-22 17:00	14.47	550,370	17.03	0.00	0.32	3.09
07-02-22 18:00	14.57	536,410	28.79	0.00	0.33	3.41
07-02-22 19:00	14.59	541,695	24.28	0.00	0.33	3.58
07-02-22 20:00	14.60	544,847	19.65	0.00	0.33	3.69
07-02-22 21:00	14.61	545,029	19.84	0.00	0.33	3.58
07-02-22 22:00	15.06	458,555	25.49	0.00	0.73	7.59
07-02-22 23:00	15.09	452,397	24.87	0.00	0.74	5.75
08-02-22 0:00	15.09	450,005	23.21	0.00	0.36	6.36
08-02-22 1:00	15.04	456,231	25.90	0.00	0.36	5.03
08-02-22 2:00	15.08	447,843	22.66	0.00	0.67	6.43
08-02-22 3:00	15.11	444,094	21.19	0.00	0.49	6.91
08-02-22 4:00	15.09	449,191	23.61	0.00	0.46	6.21
08-02-22 5:00	15.13	441,514	21.76	0.00	0.42	6.59

09-02-22 6:00	15.15	439.808	21.42	0.00	1.18	7.35	
09-02-22 7:00	15.16	444.973	21.54	0.00	0.59	7.32	
09-02-22 8:00	15.09	466.058	27.37	0.00	0.37	5.03	
09-02-22 9:00	15.08	471.691	27.88	0.00	0.36	5.37	
09-02-22 10:00	15.02	476.982	30.79	0.00	0.35	4.32	
09-02-22 11:00	15.00	479.286	29.85	0.00	0.35	4.26	
09-02-22 12:00	14.99	467.083	23.21	0.00	0.35	5.58	
09-02-22 13:00	14.68	517.180	20.87	0.00	0.34	4.08	
09-02-22 14:00	14.50	534.049	26.85	0.00	0.33	3.22	
09-02-22 15:00	14.49	534.646	26.80	0.00	0.33	3.18	
09-02-22 16:00	14.48	534.200	26.57	0.00	0.35	3.20	
09-02-22 17:00	14.43	559.026	15.91	0.00	0.32	2.97	
09-02-22 18:00	14.53	546.946	20.32	0.00	0.33	3.37	
09-02-22 19:00	14.56	551.850	18.53	0.00	0.33	3.54	
09-02-22 20:00	14.58	552.987	16.24	0.00	0.33	3.68	
09-02-22 21:00	14.60	549.108	17.28	0.00	0.33	3.77	
09-02-22 22:00	15.06	461.192	24.71	0.00	0.78	8.49	
09-02-22 23:00	15.06	457.233	25.91	0.00	0.36	5.92	
09-02-22 0:00	15.06	458.621	26.35	0.00	0.36	5.85	
09-02-22 1:00	15.05	457.523	25.70	0.00	0.36	6.00	
09-02-22 2:00	15.05	452.915	26.42	0.00	0.47	5.83	
09-02-22 3:00	15.12	444.902	21.91	0.00	0.42	7.20	
09-02-22 4:00	15.09	446.848	23.59	0.00	0.53	6.19	
09-02-22 5:00	15.13	442.410	21.31	0.00	1.48	8.06	
09-02-22 6:00	15.15	440.274	20.37	0.00	1.31	8.24	
09-02-22 7:00	15.09	439.364	18.13	0.00	0.94	10.43	
09-02-22 8:00	15.13	460.049	23.14	0.00	0.36	7.65	
09-02-22 9:00	15.04	473.981	29.41	0.00	0.36	5.35	
09-02-22 10:00	15.00	477.738	30.82	0.00	0.45	4.91	
09-02-22 11:00	15.02	472.243	26.23	0.00	0.35	5.31	
09-02-22 12:00	15.01	462.811	24.13	0.00	0.35	6.72	
09-02-22 13:00	14.68	511.631	21.29	0.00	0.34	4.70	
09-02-22 14:00	14.46	542.344	21.16	0.00	0.32	3.25	
09-02-22 15:00	14.47	537.767	23.63	0.00	0.32	3.28	
09-02-22 16:00	14.49	532.852	25.46	0.00	0.33	3.32	
09-02-22 17:00	14.45	555.052	14.52	0.02	0.32	3.18	
09-02-22 18:00	14.55	542.947	24.12	0.03	0.33	3.68	
09-02-22 19:00	14.57	549.659	17.96	0.00	0.33	3.79	
09-02-22 20:00	14.58	548.601	17.53	0.00	0.33	4.03	
09-02-22 21:00	14.59	544.323	22.46	0.00	0.33	4.18	
09-02-22 22:00	15.07	452.778	22.26	0.00	1.05	9.05	
09-02-22 23:00	15.05	451.845	26.69	0.00	0.36	5.37	
10-02-22 0:00	15.05	453.515	25.92	0.00	0.36	5.73	
10-02-22 1:00	15.07	452.491	24.43	0.00	0.42	5.39	
10-02-22 2:00	15.06	446.359	24.61	0.00	0.56	5.59	
10-02-22 3:00	15.05	446.950	24.41	0.00	0.50	5.79	
10-02-22 4:00	15.06	441.759	23.64	0.02	0.64	6.11	
10-02-22 5:00	15.07	440.849	23.22	0.02	0.44	6.35	
10-02-22 6:00	15.08	441.881	23.48	0.04	0.42	6.09	
10-02-22 7:00	15.10	442.988	23.13	0.03	0.42	6.04	
10-02-22 8:00	15.02	473.443	29.69	0.03	0.35	5.84	
10-02-22 9:00	14.97	484.380	34.39	0.01	0.35	5.57	
10-02-22 10:00	14.97	481.800	32.74	0.01	0.35	6.10	
10-02-22 11:00	14.92	486.394	36.24	0.01	0.35	5.25	
10-02-22 12:00	14.95	469.853	27.68	0.01	0.35	6.93	
10-02-22 13:00	14.65	520.929	20.33	0.02	0.33	5.96	
10-02-22 14:00	14.43	551.042	14.84	0.02	0.32	3.50	
10-02-22 15:00	14.44	547.549	19.02	0.04	0.32	3.55	
10-02-22 16:00	14.47	539.215	23.56	0.06	0.32	3.68	
10-02-22 17:00	14.48	551.656	15.35	0.03	0.33	3.87	
10-02-22 18:00	14.54	538.964	23.92	0.01	0.33	4.20	
10-02-22 19:00	14.55	537.764	28.17	0.00	0.33	4.09	
10-02-22 20:00	14.56	541.832	22.83	0.00	0.33	4.28	
10-02-22 21:00	14.57	539.016	27.24	0.00	0.33	4.68	
10-02-22 22:00	15.05	454.013	20.63	0.03	1.23	12.92	
10-02-22 23:00	15.09	445.246	21.78	0.02	0.47	7.56	
11-02-22 0:00	15.08	441.560	23.08	0.04	0.63	6.35	
11-02-22 1:00	15.07	447.385	23.89	0.03	0.36	6.35	
11-02-22 2:00	15.06	441.710	24.15	0.04	0.69	6.29	
11-02-22 3:00	15.07	439.918	22.82	0.04	0.40	6.59	
11-02-22 4:00	15.07	438.237	22.82	0.05	0.89	6.69	
11-02-22 5:00	15.07	438.786	22.88	0.03	0.44	6.24	
11-02-22 6:00	15.08	440.038	23.44	0.09	0.63	6.39	
11-02-22 7:00	15.10	437.944	21.36	0.10	0.58	7.60	
11-02-22 8:00	15.03	465.801	27.12	0.03	0.35	5.83	
11-02-22 9:00	15.00	476.689	29.93	0.02	0.35	5.59	
11-02-22 10:00	14.97	477.738	31.62	0.02	0.35	5.66	
11-02-22 11:00	14.96	474.956	30.82	0.02	0.35	5.25	
11-02-22 12:00	14.98	462.680	27.15	0.01	0.35	5.76	
11-02-22 13:00	14.67	513.881	21.85	0.00	0.34	4.88	
11-02-22 14:00	14.40	553.903	14.44	0.01	0.32	3.49	
11-02-22 15:00	14.40	557.186	14.41	0.04	0.32	3.47	
11-02-22 16:00	14.48	549.972	19.13	0.05	0.32	3.87	
11-02-22 17:00	14.65	530.237	24.05	0.01	0.33	4.32	
11-02-22 18:00	14.78	532.942	22.61	0.04	0.34	4.53	
11-02-22 19:00	14.74	542.941	22.14	0.09	0.34	3.77	
11-02-22 20:00	14.79	531.278	21.67	0.12	0.34	4.85	
11-02-22 21:00	14.81	530.070	19.85	0.14	0.34	4.97	
11-02-22 22:00	15.10	453.148	19.62	0.29	1.15	15.88	
11-02-22 23:00	15.08	452.747	22.91	0.19	0.72	6.72	
12-02-22 0:00	15.09	449.553	22.00	0.20	0.36	7.36	

12-02-22 1:00	15.10	444.552	21.32	0.24	0.39	7.62	
12-02-22 2:00	15.07	444.393	22.88	0.29	0.47	6.58	
12-02-22 3:00	15.07	438.522	22.91	0.36	0.55	6.22	
12-02-22 4:00	15.08	438.030	22.35	0.39	0.63	6.39	
12-02-22 5:00	15.09	438.474	21.93	0.39	1.19	7.20	
12-02-22 6:00	15.15	430.611	17.50	0.38	4.16	10.80	
12-02-22 7:00	15.14	429.331	18.67	0.29	3.17	8.68	
12-02-22 8:00	15.06	453.720	24.03	0.21	0.36	5.80	
12-02-22 9:00	15.05	464.116	25.59	0.13	0.36	6.29	
12-02-22 10:00	15.04	467.768	26.08	0.07	0.36	5.97	
12-02-22 11:00	15.00	469.634	27.36	0.04	0.35	5.44	
12-02-22 12:00	15.00	456.197	23.26	0.03	0.42	6.82	
12-02-22 13:00	14.68	514.990	18.10	0.03	0.34	5.87	
12-02-22 14:00	14.45	560.275	15.34	0.03	0.32	3.85	
12-02-22 15:00	14.49	547.776	16.88	0.01	0.33	4.06	
12-02-22 16:00	14.58	530.572	24.33	0.00	0.33	4.42	
12-02-22 17:00	14.67	522.403	29.91	0.01	0.33	4.80	
12-02-22 18:00	14.69	522.857	27.54	0.01	0.34	4.54	
12-02-22 19:00	14.68	527.300	29.56	0.01	0.34	4.28	
12-02-22 20:00	14.71	526.363	28.37	0.02	0.34	4.59	
12-02-22 21:00	14.66	538.632	19.61	0.02	0.33	4.93	
12-02-22 22:00	14.40	573.780	4.53	0.00	0.32	4.21	
12-02-22 23:00	14.39	573.194	4.28	0.01	0.32	4.48	
13-02-22 0:00	14.39	573.308	3.69	0.02	0.32	4.22	
13-02-22 1:00	14.39	573.820	3.61	0.02	0.32	4.31	
13-02-22 2:00	14.38	574.526	3.55	0.03	0.32	4.24	
13-02-22 3:00	14.37	575.550	3.33	0.08	0.32	4.18	
13-02-22 4:00	14.37	575.544	3.62	0.11	0.32	4.50	
13-02-22 5:00	14.38	575.965	3.33	0.10	0.32	4.63	
13-02-22 6:00	14.38	576.955	3.33	0.03	0.32	4.43	
13-02-22 7:00	14.39	576.346	3.35	0.14	0.32	4.40	
13-02-22 8:00	14.38	575.123	3.44	0.09	0.32	4.52	
13-02-22 9:00	14.40	572.728	4.27	0.04	0.32	4.48	
13-02-22 10:00	14.42	566.191	6.94	0.03	0.32	4.38	
13-02-22 11:00	14.41	562.516	9.18	0.05	0.32	4.30	
13-02-22 12:00	14.37	559.046	10.44	0.06	0.32	4.08	
13-02-22 13:00	14.30	557.260	9.78	0.12	0.32	3.79	
13-02-22 14:00	14.28	557.180	9.28	0.16	0.31	3.66	
13-02-22 15:00	14.29	556.162	8.69	0.12	0.32	3.52	
13-02-22 16:00	14.31	557.982	8.89	0.13	0.32	3.58	
13-02-22 17:00	14.41	555.683	12.41	0.07	0.32	4.09	
13-02-22 18:00	14.81	495.756	33.23	0.08	0.34	6.15	
13-02-22 19:00	14.88	485.754	34.75	0.04	0.35	4.98	
13-02-22 20:00	14.85	497.569	32.56	0.04	0.34	5.47	
13-02-22 21:00	14.43	573.496	7.76	0.01	0.32	4.13	
13-02-22 22:00	14.43	575.555	6.38	0.01	0.32	4.13	
13-02-22 23:00	14.44	575.544	6.71	0.01	0.32	4.12	
14-02-22 0:00	14.44	575.203	6.49	0.02	0.32	4.09	
14-02-22 1:00	14.43	577.006	6.49	0.03	0.32	4.05	
14-02-22 2:00	14.42	576.955	5.94	0.05	0.32	4.17	
14-02-22 3:00	14.42	576.960	5.55	0.06	0.32	4.29	
14-02-22 4:00	14.41	577.546	5.03	0.06	0.32	4.32	
14-02-22 5:00	14.42	578.024	5.07	0.06	0.32	4.34	
14-02-22 6:00	14.43	577.199	5.05	0.07	0.32	4.38	
14-02-22 7:00	14.43	579.213	4.68	0.07	0.32	4.33	
14-02-22 8:00	14.48	498.670	20.12	0.15	0.35	10.50	
14-02-22 9:00	15.04	458.533	26.22	0.11	0.36	5.50	
14-02-22 10:00	15.00	460.739	29.23	0.09	0.35	5.50	
14-02-22 11:00	14.99	461.738	27.54	0.05	0.35	5.20	
14-02-22 12:00	15.00	456.735	23.29	0.04	0.35	5.86	
14-02-22 13:00	14.70	511.412	20.02	0.01	0.34	5.07	
14-02-22 14:00	14.37	566.066	10.96	0.01	0.32	3.33	
14-02-22 15:00	14.40	565.065	11.93	0.07	0.32	3.83	
14-02-22 16:00	14.49	538.614	21.38	0.04	0.33	3.99	
14-02-22 17:00	14.53	537.980	25.11	0.03	0.33	4.04	
14-02-22 18:00	14.67	522.704	29.60	0.01	0.33	4.40	
14-02-22 19:00	14.68	531.002	29.64	0.01	0.34	4.27	
14-02-22 20:00	14.75	529.953	32.95	0.01	0.34	4.17	
14-02-22 21:00	14.76	529.307	33.86	0.01	0.34	4.17	
14-02-22 22:00	15.09	455.068	25.39	0.04	0.92	7.90	
14-02-22 23:00	15.12	449.931	25.55	0.05	0.44	5.27	
15-02-22 0:00	15.13	446.731	25.92	0.07	0.48	5.56	
15-02-22 1:00	15.13	447.676	25.25	0.10	0.48	5.56	
15-02-22 2:00	15.11	451.640	25.75	0.15	0.44	5.72	
15-02-22 3:00	15.15	441.728	23.44	0.24	0.52	6.22	
15-02-22 4:00	15.12	442.442	25.33	0.33	0.40	5.12	
15-02-22 5:00	15.15	436.619	23.77	0.36	0.63	5.73	
15-02-22 6:00	15.18	438.343	23.66	0.41	1.18	6.18	
15-02-22 7:00	15.19	442.058	24.80	0.44	0.57	5.92	
15-02-22 8:00	15.15	460.222	28.56	0.41	0.36	4.91	
15-02-22 9:00	15.14	467.165	29.71	0.40	0.36	5.24	
15-02-22 10:00	15.13	466.727	29.12	0.38	0.36	5.28	
15-02-22 11:00	15.11	464.537	27.91	0.34	0.36	5.38	
15-02-22 12:00	15.12	451.231	24.59	0.31	0.34	5.69	
15-02-22 13:00	14.81	508.829	20.95	0.18	0.34	5.69	
15-02-22 14:00	14.52	557.459	15.03	0.03	0.33	3.95	
15-02-22 15:00	14.55	552.293	14.87	0.01	0.33	3.94	
15-02-22 16:00	14.57	547.771	17.36	0.04	0.33	4.04	
15-02-22 17:00	14.73	522.892	31.31	0.06	0.34	4.59	
15-02-22 18:00	14.80	519.661	26.41	0.02	0.34	5.12	
15-02-22 19:00	14.77	525.084	28.24	0.01	0.34	4.59	

15-02-22 20:00	14.78	528,428	27.99	0.03	0.34	4.38	
15-02-22 21:00	14.82	527,854	24.53	0.03	0.34	4.55	
15-02-22 22:00	15.08	458,874	27.31	0.10	0.80	8.11	
15-02-22 23:00	15.12	447,402	25.52	0.07	0.36	5.91	
16-02-22 0:00	15.10	445,849	26.46	0.11	0.49	5.19	
16-02-22 1:00	15.10	449,749	25.99	0.14	0.36	5.38	
16-02-22 2:00	15.13	447,530	23.18	0.18	0.46	6.39	
16-02-22 3:00	15.14	441,784	21.59	0.22	0.46	7.65	
16-02-22 4:00	15.15	432,290	21.03	0.24	2.49	7.41	
16-02-22 5:00	15.15	427,687	20.75	0.21	3.10	7.34	
16-02-22 6:00	15.15	428,948	20.34	0.16	3.47	6.81	
16-02-22 7:00	15.17	432,219	21.68	0.16	2.60	6.56	
16-02-22 8:00	15.12	453,717	24.93	0.11	0.36	5.63	
16-02-22 9:00	15.13	455,406	24.87	0.11	0.41	6.30	
16-02-22 10:00	15.13	451,333	24.08	0.11	0.49	6.50	
16-02-22 11:00	15.12	443,906	22.45	0.07	0.72	6.58	
16-02-22 12:00	15.09	440,567	23.46	0.02	0.79	5.95	
16-02-22 13:00	15.01	482,860	17.31	0.11	0.91	16.28	
16-02-22 14:00	14.77	507,953	36.79	0.02	0.34	4.74	
16-02-22 15:00	14.73	525,749	29.26	0.04	0.34	4.51	
16-02-22 16:00	14.67	531,995	29.93	0.04	0.33	4.16	
16-02-22 17:00	14.69	524,746	30.82	0.04	0.34	4.35	
16-02-22 18:00	14.80	496,659	42.20	0.04	0.34	4.59	
16-02-22 19:00	14.82	497,908	42.80	0.05	0.34	4.64	
16-02-22 20:00	14.84	497,243	42.34	0.04	0.34	4.67	
16-02-22 21:00	14.84	507,780	34.85	0.04	0.34	4.70	
16-02-22 22:00	14.46	575,151	7.83	0.02	0.32	4.34	
16-02-22 23:00	14.45	574,548	7.14	0.02	0.32	4.33	
17-02-22 0:00	14.44	576,050	7.54	0.03	0.32	4.37	
17-02-22 1:00	14.43	576,056	7.21	0.05	0.32	4.34	
17-02-22 2:00	14.42	576,061	6.67	0.02	0.32	4.36	
17-02-22 3:00	14.42	579,253	6.65	0.08	0.32	4.35	
17-02-22 4:00	14.42	580,243	7.02	0.07	0.32	4.37	
17-02-22 5:00	14.42	579,026	6.92	0.10	0.32	4.38	
17-02-22 6:00	14.43	578,704	6.54	0.07	0.32	4.35	
17-02-22 7:00	14.44	582,103	6.97	0.10	0.32	4.34	
17-02-22 8:00	14.86	500,237	20.58	0.18	0.35	8.87	
17-02-22 9:00	15.02	465,425	28.50	0.18	0.42	6.35	
17-02-22 10:00	15.01	463,644	28.43	0.12	0.35	5.17	
17-02-22 11:00	15.01	460,558	26.39	0.09	0.45	5.98	
17-02-22 12:00	15.02	452,485	24.36	0.06	0.35	5.81	
17-02-22 13:00	14.80	504,543	24.68	0.03	0.34	7.63	
17-02-22 14:00	14.65	510,646	36.79	0.02	0.33	4.62	
17-02-22 15:00	14.64	519,131	36.13	0.01	0.33	4.61	
17-02-22 16:00	14.63	517,610	35.67	0.01	0.33	4.49	
17-02-22 17:00	14.63	525,536	26.06	0.01	0.33	4.28	
17-02-22 18:00	14.69	528,300	25.05	0.00	0.34	4.55	
17-02-22 19:00	14.69	536,222	26.83	0.01	0.34	4.27	
17-02-22 20:00	14.72	534,624	24.25	0.03	0.34	4.48	
17-02-22 21:00	15.02	533,892	25.74	0.17	0.34	4.51	
17-02-22 22:00	15.04	458,433	23.41	0.12	1.10	10.38	
17-02-22 23:00	15.05	451,296	23.84	0.12	0.69	7.35	
18-02-22 0:00	15.07	448,458	21.00	0.15	0.78	8.36	
18-02-22 1:00	15.04	449,740	23.45	0.16	0.36	6.49	
18-02-22 2:00	15.04	446,776	22.92	0.23	0.44	6.99	
18-02-22 3:00	15.07	439,802	20.34	0.26	1.97	9.02	
18-02-22 4:00	15.09	437,242	19.56	0.20	2.10	8.42	
18-02-22 5:00	15.06	437,936	22.08	0.24	1.25	6.94	
18-02-22 6:00	15.05	444,037	24.06	0.22	0.50	5.70	
18-02-22 7:00	15.06	449,399	23.03	0.20	0.47	6.82	
18-02-22 8:00	15.00	473,821	27.34	0.17	0.35	6.82	
18-02-22 9:00	14.99	477,368	29.32	0.14	0.35	6.40	
18-02-22 10:00	14.92	482,133	34.68	0.08	0.35	4.81	
18-02-22 11:00	14.92	481,314	34.61	0.05	0.35	4.75	
18-02-22 12:00	14.99	465,305	25.00	0.03	0.35	7.10	
18-02-22 13:00	14.65	518,076	19.62	0.03	0.33	5.38	
18-02-22 14:00	14.45	529,947	24.57	0.03	0.32	3.84	
18-02-22 15:00	14.45	532,212	25.22	0.07	0.32	3.89	
18-02-22 16:00	14.44	528,380	25.48	0.10	0.32	3.95	
18-02-22 17:00	14.59	545,222	17.84	0.13	0.34	4.04	
18-02-22 18:00	14.50	532,104	26.73	0.10	0.33	4.36	
18-02-22 19:00	14.55	532,598	27.64	0.02	0.33	4.51	
18-02-22 20:00	14.57	538,208	27.08	0.00	0.33	4.47	
18-02-22 21:00	14.59	536,888	26.94	0.00	0.33	4.48	
18-02-22 22:00	15.05	455,004	22.05	0.07	0.33	4.77	
18-02-22 23:00	15.09	445,033	22.17	0.01	0.58	8.41	
19-02-22 0:00	15.06	453,484	25.26	0.01	0.36	6.37	
19-02-22 1:00	15.06	451,214	24.71	0.03	0.61	6.85	
19-02-22 2:00	15.09	448,927	22.40	0.04	0.36	7.49	
19-02-22 3:00	15.12	442,137	19.71	0.05	0.54	9.54	
19-02-22 4:00	15.10	436,898	21.49	0.05	1.11	7.54	
19-02-22 5:00	15.11	435,928	21.48	0.04	1.29	7.45	
19-02-22 6:00	15.11	436,528	22.84	0.05	1.86	6.90	
19-02-22 7:00	15.13	435,265	22.56	0.07	1.47	7.00	
19-02-22 8:00	15.07	458,898	27.77	0.06	0.36	5.44	
19-02-22 9:00	15.04	467,163	28.52	0.04	0.36	5.59	
19-02-22 10:00	15.03	465,226	27.68	0.01	0.36	5.81	
19-02-22 11:00	15.02	460,501	27.05	0.01	0.35	5.67	
19-02-22 12:00	14.98	453,290	24.93	0.01	0.35	5.71	
19-02-22 13:00	14.68	503,905	21.39	0.04	0.34	4.92	
19-02-22 14:00	14.50	525,161	27.52	0.11	0.33	3.93	

19-02-22 15:00	14.50	525,577	25.61	0.13	0.33	3.85	
19-02-22 16:00	14.50	519,430	28.21	0.17	0.33	3.95	
19-02-22 17:00	14.54	513,343	31.43	0.27	0.33	4.11	
19-02-22 18:00	14.65	516,309	30.57	0.22	0.33	4.53	
19-02-22 19:00	14.69	521,856	34.80	0.06	0.34	4.60	
19-02-22 20:00	14.70	525,774	33.98	0.01	0.34	4.60	
19-02-22 21:00	14.70	531,685	27.62	0.00	0.34	4.86	
19-02-22 22:00	14.46	570,737	7.47	0.00	0.32	4.89	
19-02-22 23:00	14.44	572,739	6.44	0.00	0.32	4.54	
20-02-22 0:00	14.43	572,836	6.34	0.00	0.32	4.45	
20-02-22 1:00	14.43	573,302	6.45	0.00	0.32	4.42	
20-02-22 2:00	14.43	572,910	6.32	0.00	0.32	4.46	
20-02-22 3:00	14.44	573,894	6.81	0.01	0.32	4.49	
20-02-22 4:00	14.43	574,628	6.85	0.01	0.32	4.35	
20-02-22 5:00	14.43	575,373	6.37	0.03	0.32	4.32	
20-02-22 6:00	14.44	576,153	6.00	0.02	0.32	4.37	
20-02-22 7:00	14.45	574,594	6.32	0.01	0.32	4.40	
20-02-22 8:00	14.46	572,034	7.14	0.01	0.32	4.47	
20-02-22 9:00	14.47	567,153	10.34	0.01	0.32	4.56	
20-02-22 10:00	14.47	562,977	11.19	0.00	0.32	4.52	
20-02-22 11:00	14.45	559,786	12.43	0.00	0.32	4.30	
20-02-22 12:00	14.38	558,261	11.81	0.02	0.32	4.05	
20-02-22 13:00	14.33	557,607	11.22	0.08	0.32	3.85	
20-02-22 14:00	14.33	558,608	11.03	0.11	0.32	3.80	
20-02-22 15:00	14.32	559,706	10.64	0.13	0.32	3.84	
20-02-22 16:00	14.32	561,367	10.63	0.14	0.32	3.42	
20-02-22 17:00	14.46	556,217	14.49	0.14	0.32	4.70	
20-02-22 18:00	14.87	499,021	31.72	0.12	0.35	7.76	
20-02-22 19:00	14.90	483,487	36.24	0.07	0.35	4.94	
20-02-22 20:00	14.89	491,896	32.68	0.05	0.35	6.12	
20-02-22 21:00	14.48	570,453	9.25	0.00	0.32	4.51	
20-02-22 22:00	14.47	575,760	6.87	0.00	0.32	4.42	
20-02-22 23:00	14.51	581,147.40	7.30	0.01	0.33	4.34	
21-02-22 0:00	14.53	584,139.80	7.69	0.05	0.33	4.36	
21-02-22 1:00	14.55	586,341.40	8.29	0.07	0.33	4.41	
21-02-22 2:00	14.56	588,070.80	9.94	0.13	0.33	4.44	
21-02-22 3:00	14.57	590,033.50	10.38	0.17	0.33	4.54	
21-02-22 4:00	14.59	591,000.60	10.83	0.19	0.33	4.55	
21-02-22 5:00	14.61	590,568.30	10.76	0.17	0.33	4.59	
21-02-22 6:00	14.63	592,215.60	10.20	0.08	0.33	4.67	
21-02-22 7:00	14.65	592,070.10	11.80	0.06	0.33	4.62	
21-02-22 8:00	14.71	588,096.70	13.04	0.04	0.34	5.00	
21-02-22 9:00	15.31	462,656.90	24.99	0.11	0.37	15.72	
21-02-22 10:00	15.24	457,761.60	34.04	0.05	0.37	5.52	
21-02-22 11:00	15.26	455,065.10	31.31	0.04	0.37	6.23	
21-02-22 12:00	15.26	444,122.50	30.67	0.05	0.37	5.80	
21-02-22 13:00	15.13	500,377.90	22.38	0.09	0.36	10.94	
21-02-22 14:00	<Samp	540,966.80	<Samp	<Samp	<Samp	<Samp	
21-02-22 15:00	14.94	541,928.30	22.40	0.14	0.35	2.38	
21-02-22 16:00	14.93	552,014.60	11.58	0.11	0.35	5.55	
21-02-22 17:00	15.03	526,891.50	18.44	0.16	0.36	6.39	
21-02-22 18:00	15.06	522,976	15.53	0.13	0.36	6.36	
21-02-22 19:00	14.96	546,626	13.91	0.14	0.35	3.39	
21-02-22 20:00	14.90	561,976	12.16	0.11	0.35	0.95	
21-02-22 21:00	14.91	563,466	11.51	0.14	0.35	0.86	
21-02-22 22:00	15.23	460,905	25.88	0.27	1.20	6.87	
21-02-22 23:00	15.24	450,821	29.82	0.26	0.37	3.03	
22-02-22 0:00	15.25	446,957	27.16	0.26	0.37	3.05	
22-02-22 1:00	15.24	447,763	27.90	0.31	0.47	2.49	
22-02-22 2:00	15.26	446,683	26.74	0.34	0.37	2.98	
22-02-22 3:00	15.29	436,881	25.52	0.31	1.53	3.67	
22-02-22 4:00	15.27	439,964	27.19	0.30	0.68	2.73	
22-02-22 5:00	15.28	436,221	26.92	0.15	0.37	3.21	
22-02-22 6:00	15.30	439,833	26.08	0.09	1.96	3.79	
22-02-22 7:00	15.24	442,771	28.05	0.07	0.61	2.82	
22-02-22 8:00	15.24	466,104	33.87	0.04	0.37	2.05	
22-02-22 9:00	15.27	467,438	31.41	0.05	0.37	3.21	
22-02-22 10:00	15.20	478,728	35.28	0.03	0.37	3.14	
22-02-22 11:00	15.20	473,830	34.01	0.01	0.46	4.09	
22-02-22 12:00	15.23	462,631	25.58	0.00	0.37	5.66	
22-02-22 13:00	14.96	503,888	26.24	0.00	0.35	4.40	
22-02-22 14:00	14.79	524,561	34.43	0.00	0.34	1.47	
22-02-22 15:00	14.79	523,376	34.77	0.00	0.34	1.47	
22-02-22 16:00	14.75	523,396	34.31	0.00	0.34	1.47	
22-02-22 17:00	14.77	522,927	32.20	0.00	0.34	1.62	
22-02-22 18:00	14.87	523,874	29.13	0.00	0.35	1.78	
22-02-22 19:00	14.93	524,231	25.30	0.01	0.35	1.94	
22-02-22 20:00	14.92	528,582	26.63	0.00	0.35	1.66	
22-02-22 21:00	14.94	528,918	25.43	0.04	0.35	1.62	
22-02-22 22:00	15.22	455,028	27.69	0.16	0.85	5.02	
22-02-22 23:00	15.20	455,085	30.15	0.20	0.37	2.34	
23-02-22 0:00	15.24	446,700	27.05	0.33	0.47	2.85	
23-02-22 1:00	15.22	449,095	28.09	0.46	0.37	2.51	
23-02-22 2:00	15.22	446,560	27.88	0.52	0.44	2.52	
23-02-22 3:00	15.24	443,716	26.89	0.58	0.45	2.77	
23-02-22 4:00	15.27	440,800	27.42	0.58	0.44	2.62	
23-02-22 5:00	15.27	440,487	29.47	0.68	0.57	2.09	
23-02-22 6:00	15.31	438,519	27.24	0.59	1.04	2.77	
23-02-22 7:00	15.31	437,023	28.43	0.43	0.69	2.68	
23-02-22 8:00	15.29	452,915	31.63	0.43	0.37	1.86	
23-02-22 9:00	15.28	464,384	32.81	0.35	0.37	2.23	

23-02-22 10:00	15.25	469.643	34.16	0.21	0.38	2.48	
23-02-22 11:00	15.24	470.146	33.33	0.11	0.37	2.83	
23-02-22 12:00	15.24	452.519	29.29	0.05	0.57	3.27	
23-02-22 13:00	14.99	496.566	26.02	0.02	0.35	4.38	
23-02-22 14:00	14.82	524.501	34.86	0.00	0.34	1.49	
23-02-22 15:00	14.81	524.114	34.84	0.00	0.34	1.49	
23-02-22 16:00	14.77	523.880	34.43	0.00	0.34	1.36	
23-02-22 17:00	14.74	524.026	33.24	0.01	0.34	1.33	
23-02-22 18:00	14.94	519.550	26.17	0.03	0.35	2.18	
23-02-22 19:00	15.00	522.528	24.37	0.00	0.35	2.20	
23-02-22 20:00	14.95	522.556	29.92	0.00	0.35	1.69	
23-02-22 21:00	15.01	527.174	23.67	0.02	0.35	1.95	
23-02-22 22:00	15.26	455.017	29.48	0.05	0.87	5.81	
23-02-22 23:00	15.28	448.099	29.27	0.04	0.47	3.05	
24-02-22 0:00	15.29	443.989	28.96	0.04	0.37	2.86	
24-02-22 1:00	15.30	442.390	29.23	0.09	0.43	2.67	
24-02-22 2:00	15.29	446.111	30.14	0.10	0.56	2.70	
24-02-22 3:00	15.31	433.811	28.84	0.06	0.80	2.83	
24-02-22 4:00	15.32	433.390	29.61	0.02	1.67	2.73	
24-02-22 5:00	15.33	433.732	29.74	0.01	0.86	2.78	
24-02-22 6:00	15.32	440.553	31.83	0.00	0.43	2.17	
24-02-22 7:00	15.35	440.937	30.19	0.00	0.62	2.78	
24-02-22 8:00	15.32	454.454	32.93	0.00	0.44	2.38	
24-02-22 9:00	15.31	460.595	33.56	0.00	0.37	2.38	
24-02-22 10:00	15.29	462.355	34.24	0.00	0.37	2.40	
24-02-22 11:00	15.29	467.266	33.17	0.00	0.56	3.85	
24-02-22 12:00	15.27	451.902	30.61	0.00	0.52	2.94	
24-02-22 13:00	15.04	497.519	27.98	0.00	0.47	3.79	
24-02-22 14:00	14.88	524.845	33.42	0.00	0.35	1.64	
24-02-22 15:00	14.85	523.681	34.80	0.00	0.34	1.68	
24-02-22 16:00	14.80	522.359	34.63	0.00	0.34	1.56	
24-02-22 17:00	14.78	522.579	33.15	0.00	0.34	1.44	
24-02-22 18:00	14.98	518.770	25.29	0.00	0.35	2.45	
24-02-22 19:00	15.02	521.690	25.48	0.00	0.35	2.29	
24-02-22 20:00	15.00	525.947	27.81	0.00	0.35	1.81	
24-02-22 21:00	15.02	526.610	26.09	0.00	0.35	1.99	
24-02-22 22:00	15.28	451.515	29.09	0.00	0.80	6.62	
24-02-22 23:00	15.25	449.043	33.03	0.00	0.38	2.67	
25-02-22 0:00	15.24	450.329	32.71	0.00	0.38	2.63	
25-02-22 1:00	15.26	445.155	31.53	0.00	0.40	2.77	
25-02-22 2:00	15.25	445.388	32.16	0.00	0.50	2.43	
25-02-22 3:00	15.29	442.968	27.46	0.01	0.45	4.35	
25-02-22 4:00	15.30	438.863	28.05	0.01	0.92	3.87	
25-02-22 5:00	15.31	432.748	28.67	0.00	0.67	3.08	
25-02-22 6:00	15.31	436.218	30.90	0.00	0.89	2.89	
25-02-22 7:00	15.32	442.069	30.62	0.00	0.63	2.80	
25-02-22 8:00	15.28	461.707	34.16	0.00	0.37	2.81	
25-02-22 9:00	15.27	467.979	35.66	0.00	0.37	2.80	
25-02-22 10:00	15.27	464.970	34.80	0.00	0.37	2.83	
25-02-22 11:00	15.24	465.653	35.14	0.00	0.37	2.63	
25-02-22 12:00	15.23	450.730	30.68	0.00	0.65	3.40	
25-02-22 13:00	15.01	497.712	27.47	0.00	0.35	6.70	
25-02-22 14:00	14.81	522.114	34.78	0.00	0.34	1.76	
25-02-22 15:00	14.82	519.242	34.79	0.00	0.34	1.80	
25-02-22 16:00	14.77	517.968	34.66	0.00	0.34	1.70	
25-02-22 17:00	14.73	520.028	34.41	0.00	0.34	1.56	
25-02-22 18:00	14.85	523.123	32.97	0.00	0.34	1.77	
25-02-22 19:00	14.87	529.131	34.61	0.00	0.35	1.59	
25-02-22 20:00	14.88	533.460	35.65	0.00	0.35	1.58	
25-02-22 21:00	14.92	533.600	31.98	0.00	0.35	1.62	
25-02-22 22:00	15.29	446.976	25.32	0.00	0.75	7.36	
25-02-22 23:00	15.29	441.915	27.03	0.00	0.68	4.04	
26-02-22 0:00	15.30	435.905	26.78	0.00	0.85	3.81	
26-02-22 1:00	15.26	443.076	29.26	0.00	0.47	2.70	
26-02-22 2:00	15.29	436.494	26.57	0.01	1.35	4.02	
26-02-22 3:00	15.29	431.419	25.63	0.01	2.01	4.29	
26-02-22 4:00	15.32	421.808	22.53	0.01	7.08	6.24	
26-02-22 5:00	15.33	419.387	22.02	0.01	8.21	6.66	
26-02-22 6:00	15.39	411.394	19.01	0.02	8.16	11.14	
26-02-22 7:00	15.40	411.744	20.43	0.01	8.24	8.73	
26-02-22 8:00	15.38	416.685	23.45	0.01	8.01	5.39	
26-02-22 9:00	15.37	418.739	23.59	0.01	5.55	5.25	
26-02-22 10:00	15.34	424.430	24.49	0.01	4.71	4.32	
26-02-22 11:00	15.29	423.808	24.96	0.00	4.56	3.67	
26-02-22 12:00	15.27	414.745	21.27	0.00	7.38	6.36	
26-02-22 13:00	15.07	467.260	23.84	0.02	3.51	10.11	
26-02-22 14:00	14.77	515.612	34.81	0.00	0.34	1.64	
26-02-22 15:00	14.78	514.725	34.74	0.00	0.34	1.61	
26-02-22 16:00	14.73	512.711	34.90	0.00	0.34	1.52	
26-02-22 17:00	14.81	494.310	40.16	0.00	0.34	1.51	
26-02-22 18:00	14.95	484.192	38.84	0.03	0.35	1.66	
26-02-22 19:00	15.05	481.467	37.47	0.00	0.36	1.95	
26-02-22 20:00	15.07	482.380	36.85	0.00	0.36	2.10	
26-02-22 21:00	15.06	495.828	33.49	0.00	0.36	3.76	
26-02-22 22:00	14.62	576.625	13.60	0.00	0.33	1.61	
26-02-22 23:00	14.59	580.840	14.25	0.00	0.33	1.77	
27-02-22 0:00	14.59	580.818	14.38	0.00	0.33	1.84	
27-02-22 1:00	14.58	583.036	14.45	0.00	0.33	1.82	
27-02-22 2:00	14.58	583.395	13.78	0.01	0.33	1.78	
27-02-22 3:00	14.57	585.881	12.75	0.00	0.33	1.83	
27-02-22 4:00	14.56	585.215	12.33	0.01	0.33	1.97	

27-02-22 5:00	14.60	584.737	14.46	0.02	0.33	2.17	
27-02-22 6:00	14.63	582.251	14.92	0.02	0.33	2.06	
27-02-22 7:00	14.66	583.093	16.29	0.04	0.33	2.02	
27-02-22 8:00	14.63	585.369	13.15	0.02	0.33	1.86	
27-02-22 9:00	14.62	582.536	12.36	0.04	0.33	1.76	
27-02-22 10:00	14.59	580.544	12.39	0.07	0.33	1.83	
27-02-22 11:00	14.53	576.528	12.70	0.07	0.33	2.15	
27-02-22 12:00	14.48	567.397	13.99	0.04	0.32	2.32	
27-02-22 13:00	14.40	563.745	13.43	0.01	0.32	2.13	
27-02-22 14:00	14.39	559.541	14.33	0.01	0.32	2.00	
27-02-22 15:00	14.39	558.244	14.32	0.00	0.32	2.00	
27-02-22 16:00	14.38	557.465	14.16	0.00	0.32	1.94	
27-02-22 17:00	14.41	552.272	17.87	0.02	0.32	1.99	
27-02-22 18:00	14.77	505.362	35.38	0.08	0.34	2.30	
27-02-22 19:00	14.91	490.277	44.24	0.03	0.35	2.02	
27-02-22 20:00	14.94	496.692	37.53	0.01	0.35	3.70	
27-02-22 21:00	14.56	573.149	12.61	0.00	0.33	2.00	
27-02-22 22:00	14.53	577.376	12.04	0.00	0.33	2.22	
27-02-22 23:00	14.54	575.806	12.49	0.00	0.33	2.17	
28-02-22 0:00	14.53	578.735	12.03	0.00	0.33	2.14	
28-02-22 1:00	14.53	579.958	11.75	0.01	0.33	2.31	
28-02-22 2:00	14.51	581.193	10.94	0.09	0.33	3.52	
28-02-22 3:00	14.52	582.610	11.33	0.11	0.33	2.74	
28-02-22 4:00	14.51	583.730	10.56	0.13	0.33	3.04	
28-02-22 5:00	14.51	585.943	10.71	0.19	0.33	3.50	
28-02-22 6:00	14.53	583.565	10.85	0.15	0.33	2.42	
28-02-22 7:00	14.52	584.254	10.24	0.15	0.33	2.58	
28-02-22 8:00	14.63	565.997	13.06	0.27	0.44	5.03	
28-02-22 9:00	15.11	455.717	27.81	0.43	0.36	5.00	
28-02-22 10:00	15.07	459.528	30.37	0.31	0.36	2.75	
28-02-22 11:00	15.06	457.682	28.10	0.21	0.36	3.69	
28-02-22 12:00	15.02	449.942	25.19	0.07	0.41	4.14	
28-02-22 13:00	14.76	496.905	26.01	0.14	0.34	4.21	
28-02-22 14:00	14.60	518.311	31.08	0.13	0.33	1.76	
28-02-22 15:00	14.63	513.082	32.85	0.12	0.33	1.77	
28-02-22 16:00	14.57	517.592	29.87	0.09	0.33	1.70	
28-02-22 17:00	14.62	507.941	34.22	0.11	0.33	1.77	
28-02-22 18:00	14.68	509.607	34.79	0.11	0.34	1.94	
28-02-22 19:00	14.74	511.203	35.89	0.08	0.34	2.10	
28-02-22 20:00	14.74	515.954	36.86	0.03	0.34	2.19	
28-02-22 21:00	14.76	520.844	34.92	0.02	0.34	2.41	
28-02-22 22:00	15.08	451.080	25.76	0.04	0.78	5.80	
28-02-22 23:00	15.08	444.754	27.19	0.05	0.38	3.12	
Minimum	14.28	411.394.30	3.33	0.01	0.31	0.86	
Maximum	15.40	592.215.60	45.21	0.68	8.24	21.10	
Average	14.86	502.515.97	22.66	0.10	0.57	4.64	
SUM							
STD			STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690	

Site Name: GULF_NRV1
Stack Name: HRSG_STACK1
Periodically: 01/03/2022 - 31/03/2022

Date & Time	O2	Emission Concentration for Standardization Comparison					Remark
		FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2	
		% m3/hr	ppm	ppm	mg/m3	ppm	
01-03-22 0:00	15.08	445533.4	26.3	0.03	0.4	3.29	
01-03-22 1:00	15.08	445208.4	27.06	0.04	0.36	3.12	
01-03-22 2:00	15.1	444350.1	25.47	0.06	0.36	3.59	
01-03-22 3:00	15.12	439309.7	23.73	0.09	0.53	4.53	
01-03-22 4:00	15.1	438243.1	25.32	0.16	0.74	4.64	
01-03-22 5:00	15.12	434636.3	23.51	0.2	0.83	4.68	
01-03-22 6:00	15.16	432090.5	22.58	0.33	2.71	5.42	
01-03-22 7:00	15.17	434983.4	22.35	0.68	1.29	5.38	
01-03-22 8:00	15.13	449458.7	25.34	0.52	0.44	3.6	
01-03-22 9:00	15.11	468488	26.68	0.36	0.36	6.6	
01-03-22 10:00	14.76	524596.4	32.55	0.05	0.34	2.77	
01-03-22 11:00	14.76	512980.8	37.32	0.05	0.34	2.09	
01-03-22 12:00	14.68	508381.4	35.57	0	0.34	1.89	
01-03-22 13:00	14.5	529491.7	27.29	0.01	0.33	1.59	
01-03-22 14:00	14.49	531366.8	26.6	0.02	0.33	1.61	
01-03-22 15:00	14.5	532561.5	26.96	0.01	0.33	1.6	
01-03-22 16:00	14.5	531335.3	26.71	0.02	0.33	1.64	
01-03-22 17:00	14.65	505955.1	46.79	0.02	0.33	1.81	
01-03-22 18:00	14.68	509362.7	36.5	0.01	0.34	1.91	
01-03-22 19:00	14.72	510904.0	36.37	0	0.34	2.11	
01-03-22 20:00	14.74	514553.8	37.52	0	0.34	2.23	
01-03-22 21:00	14.76	516123.9	36.71	0	0.34	2.34	
01-03-22 22:00	14.77	516353.5	35.84	0	0.34	2.39	
01-03-22 23:00	14.69	543075.8	19.59	0	0.34	4.1	
02-03-22 0:00	14.59	550495.7	16.94	0	0.33	2.43	
02-03-22 1:00	14.58	549881.3	15.6	0	0.33	2.21	
02-03-22 2:00	14.59	546985.7	14.57	0	0.33	2.61	
02-03-22 3:00	14.6	545961.7	14.09	0	0.33	2.34	
02-03-22 4:00	14.61	546086.8	15.96	0	0.33	2.07	
02-03-22 5:00	14.61	545836.5	14.62	0.02	0.33	2.24	
02-03-22 6:00	14.64	544431.4	14.22	0.04	0.33	2.07	
02-03-22 7:00	14.67	545062.8	12.95	0.67	0.33	1.86	
02-03-22 8:00	14.65	547332.7	15.3	0.01	0.33	1.88	
02-03-22 9:00	14.76	532621.4	19.73	0.01	0.34	5.28	
02-03-22 10:00	14.59	556833.1	16.21	0	0.33	2.12	
02-03-22 11:00	14.55	554682.8	16.5	0	0.33	2.12	
02-03-22 12:00	14.53	536466.2	26.75	0	0.33	2.04	
02-03-22 13:00	14.42	553243.3	14.3	0	0.32	1.64	
02-03-22 14:00	14.42	553448.3	15.22	0	0.32	1.57	
02-03-22 15:00	14.41	557663.7	16.71	0.01	0.32	1.58	
02-03-22 16:00	14.4	557402	19.14	0.02	0.32	1.56	
02-03-22 17:00	14.42	550700.6	20.1	0.42	0.33	1.62	
02-03-22 18:00	14.51	535053	29.5	0.04	0.33	1.82	
02-03-22 19:00	14.66	519961.2	33.92	0	0.33	2.1	
02-03-22 20:00	14.72	513023.5	34.21	0	0.34	2.29	
02-03-22 21:00	14.74	518610.3	34.53	0	0.34	2.43	
02-03-22 22:00	14.77	516698.4	34.86	0	0.34	2.68	
02-03-22 23:00	14.69	536233.6	24.47	0	0.34	2.55	
03-03-22 0:00	14.62	548265.7	16.62	0	0.33	1.94	
03-03-22 1:00	14.62	549028	16.54	0	0.33	1.92	
03-03-22 2:00	14.61	549357.9	16.26	0	0.33	2.08	
03-03-22 3:00	14.62	547253.1	15.45	0	0.33	1.96	
03-03-22 4:00	14.65	546519.2	14.25	0	0.33	1.98	
03-03-22 5:00	14.63	545176.6	14.86	0.01	0.33	2.06	
03-03-22 6:00	14.66	544072.9	12.9	0.04	0.33	2.03	
03-03-22 7:00	14.7	540022.4	21.84	0.07	0.34	1.98	
03-03-22 8:00	14.64	545791	15.02	0.07	0.33	2	
03-03-22 9:00	14.74	533358.6	19.6	0.06	0.34	5.17	
03-03-22 10:00	14.72	529887.6	31.07	0.03	0.34	2.47	
03-03-22 11:00	14.73	518522.3	36.02	0.01	0.34	2.48	
03-03-22 12:00	14.67	512397.7	35.89	0	0.33	2.25	
03-03-22 13:00	14.44	551977.3	14.8	0	0.33	1.4	
03-03-22 14:00	14.42	555115.1	13.73	0	0.32	1.65	
03-03-22 15:00	14.41	558500	13.47	0.01	0.32	1.64	
03-03-22 16:00	14.4	558152.9	14.29	0.01	0.32	1.66	
03-03-22 17:00	14.4	552657.3	16.06	0.03	0.32	1.68	
03-03-22 18:00	14.56	528476.2	29.06	0.04	0.33	2.06	
03-03-22 19:00	14.71	510142.1	36.13	0.01	0.34	2.4	
03-03-22 20:00	14.73	512667.9	37.42	0	0.34	2.53	
03-03-22 21:00	14.74	514323.4	37.66	0	0.34	2.69	
03-03-22 22:00	14.75	515705.8	35.94	0	0.34	2.63	
03-03-22 23:00	14.68	538589.9	22.15	0	0.33	2.31	
04-03-22 0:00	14.57	551758.6	16.88	0	0.33	2.46	
04-03-22 1:00	14.56	549215.7	15.37	0	0.33	2.8	
04-03-22 2:00	14.56	546746.8	14.4	0	0.33	2.37	
04-03-22 3:00	14.58	547537.5	13.71	0	0.33	2.43	
04-03-22 4:00	14.59	546967.4	13.28	0	0.33	2.31	
04-03-22 5:00	14.6	545921.8	13.66	0.05	0.33	2.31	
04-03-22 6:00	14.64	545188	12.72	0.06	0.33	2.54	
04-03-22 7:00	14.66	542457.3	19.98	0.03	0.33	2.54	
04-03-22 8:00	14.57	545762.6	15.09	0.03	0.33	2.83	
04-03-22 9:00	14.64	534320.9	20.02	0.01	0.33	3.62	
04-03-22 10:00	14.54	550287.1	15.37	0	0.33	3.03	

04-03-22 11:00	14.58	525113.1	25.48	0	0	0.33	2.17
04-03-22 12:00	14.61	511047.5	35.83	0.06	0.33	2.08	
04-03-22 13:00	14.45	532055.1	25.51	0.05	0.32	1.99	
04-03-22 14:00	14.43	534504.3	25.14	0.05	0.32	2.07	
04-03-22 15:00	14.44	533855.7	24.93	0.07	0.32	2.1	
04-03-22 16:00	14.44	534663.3	25.28	0.09	0.32	2.1	
04-03-22 17:00	14.46	530189.2	22.69	0.09	0.32	1.86	
04-03-22 18:00	14.48	541505.3	20.27	0.07	0.32	1.88	
04-03-22 19:00	14.64	513798.4	32.41	0.05	0.33	2.35	
04-03-22 20:00	14.72	508953.5	36.2	0.01	0.34	2.57	
04-03-22 21:00	14.74	509169.3	36.67	0	0.34	2.62	
04-03-22 22:00	14.72	514275.1	36.92	0	0.34	2.73	
04-03-22 23:00	14.58	541912.3	19.02	0	0.33	3.76	
05-03-22 0:00	14.52	549471.7	16.11	0	0.33	3.49	
05-03-22 1:00	14.53	550131.6	15.49	0	0.33	3.86	
05-03-22 2:00	14.53	549096.3	14.58	0	0.33	2.76	
05-03-22 3:00	14.52	548095	14.1	0.02	0.33	2.53	
05-03-22 4:00	14.51	548049.5	12.99	0.01	0.33	2.21	
05-03-22 5:00	14.52	548379.4	12.79	0.01	0.33	2.2	
05-03-22 6:00	14.54	547071	12.74	0.02	0.33	2.19	
05-03-22 7:00	14.54	545608.9	13.2	0.03	0.33	2.3	
05-03-22 8:00	14.53	547156.3	15	0.02	0.33	2.7	
05-03-22 9:00	14.61	534351	19.57	0.01	0.33	3.78	
05-03-22 10:00	14.64	518552.3	28.9	0.01	0.33	2.51	
05-03-22 11:00	14.67	505169.4	39.51	0.02	0.33	2.27	
05-03-22 12:00	14.65	501406.8	48.17	0.09	0.33	2.2	
05-03-22 13:00	14.51	520890.4	32.21	0.13	0.33	1.97	
05-03-22 14:00	14.45	534231.1	24.94	0.12	0.32	1.88	
05-03-22 15:00	14.44	540946.2	19.6	0.13	0.32	1.8	
05-03-22 16:00	14.48	529259.1	25.49	0.1	0.32	2.03	
05-03-22 17:00	14.74	504194.3	36.7	0.19	0.34	3.89	
05-03-22 18:00	14.84	501367	33.03	0.12	0.34	5.4	
05-03-22 19:00	14.87	505158.6	33.46	0.04	0.35	5.81	
05-03-22 20:00	14.82	508694.3	37.06	0.02	0.34	4.25	
05-03-22 21:00	14.86	509999.8	35.46	0.01	0.34	5.18	
05-03-22 22:00	14.89	509368.4	36	0.01	0.35	5.63	
05-03-22 23:00	19.25	157119	7.89	0.02	2.94	5.54	
06-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-03-22 18:00	16.5	351358.3	32.24	0.02	5.19	5.62	
06-03-22 19:00	14.77	513638	29.79	0	0.34	3.03	
06-03-22 20:00	14.76	515213.8	31.02	0	0.34	2.95	
06-03-22 21:00	14.77	521332.6	32.82	0	0.34	2.79	
06-03-22 22:00	14.58	598628.4	14.54	0	0.33	3.04	
06-03-22 23:00	14.47	572181.8	8.95	0	0.32	2.57	
07-03-22 0:00	14.46	575794.2	8.59	0	0.32	2.7	
07-03-22 1:00	14.45	575902.3	8.19	0	0.32	2.69	
07-03-22 2:00	14.45	576425.7	7.93	0	0.32	3.12	
07-03-22 3:00	14.45	575780.1	7.69	0	0.32	2.79	
07-03-22 4:00	14.44	575492.7	7.66	0.01	0.32	2.71	
07-03-22 5:00	14.44	575623.5	7.53	0.01	0.32	2.82	
07-03-22 6:00	14.45	576556.5	6.64	0.01	0.32	2.84	
07-03-22 7:00	14.45	576567.9	7.68	0.01	0.31	3.1	
07-03-22 8:00	14.56	584557.5	13.72	0	0.33	2.76	
07-03-22 9:00	14.66	534783.3	21.6	0	0.33	3.86	
07-03-22 10:00	14.58	539310.3	23.12	0	0.33	2.57	
07-03-22 11:00	14.55	526982.7	27.18	0	0.33	2.33	
07-03-22 12:00	14.55	518313.4	30.95	0.05	0.33	2.11	
07-03-22 13:00	14.43	536384.4	25.89	0.03	0.32	1.98	
07-03-22 14:00	14.42	539294.3	25.24	0.07	0.32	2	
07-03-22 15:00	14.41	541040.8	21.66	0.06	0.32	1.94	
07-03-22 16:00	14.46	529635.5	28.03	0.08	0.32	2.28	
07-03-22 17:00	14.65	523472.8	32.23	0.05	0.33	2.91	
07-03-22 18:00	14.7	525208.1	28.38	0.05	0.34	2.89	
07-03-22 19:00	14.8	523988.2	25.29	0.02	0.34	3.52	
07-03-22 20:00	14.83	527827.4	20.71	0.05	0.34	3.92	
07-03-22 21:00	14.78	540375.1	22.23	0.07	0.34	2.36	
07-03-22 22:00	14.79	537678.6	24.69	0.17	0.34	2.82	
07-03-22 23:00	14.66	545501.21	20	0.06	0.33	2.7	
08-03-22 0:00	14.66	541874.01	20.59	0.26	0.33	2.63	
08-03-22 1:00	14.62	544,471.20	15.90	0.31	0.33	2.81	
08-03-22 2:00	14.61	545,170.30	16.22	0.33	0.33	2.72	
08-03-22 3:00	14.62	545,530.30	16.76	0.33	0.33	2.75	
08-03-22 4:00	14.63	544,590.60	16.47	0.33	0.33	2.67	
08-03-22 5:00	14.69	543,100.10	21.78	0.36	0.34	2.42	

08-03-22 6:00	14.68	545.927.50	14.19	0.36	0.34	2.36	
08-03-22 7:00	14.69	545.927.50	15.53	0.32	0.34	2.28	
08-03-22 8:00	14.70	546.115.30	16.58	0.38	0.34	2.34	
08-03-22 9:00	14.78	534986	22.23	0.39	0.34	4.67	
08-03-22 10:00	14.68	548472.9	19.87	0.25	0.34	2.48	
08-03-22 11:00	14.63	544727.2	20.61	0.14	0.34	2.48	
08-03-22 12:00	14.72	526200.3	32.96	0.08	0.34	2.54	
08-03-22 13:00	14.54	546993.6	19.61	0.01	0.33	2.53	
08-03-22 14:00	14.52	551747.3	17.65	0	0.33	2.62	
08-03-22 15:00	14.54	548948.1	20.68	0	0.33	2.7	
08-03-22 16:00	14.7	519153.6	34.22	0	0.34	2.86	
08-03-22 17:00	14.61	531053.3	29.22	0	0.33	2.69	
08-03-22 18:00	14.73	519860.6	32.96	0.01	0.34	2.99	
08-03-22 19:00	14.72	523130.8	31.48	0.01	0.34	3.01	
08-03-22 20:00	14.73	525068.8	32.25	0.01	0.34	3.01	
08-03-22 21:00	14.69	531146.6	28.34	0.01	0.34	2.99	
08-03-22 22:00	14.65	534962	27.98	0.02	0.33	2.79	
08-03-22 23:00	14.71	536897.6	18.17	0.04	0.34	5.19	
09-03-22 0:00	14.58	544886.4	14.32	0.04	0.33	3.23	
09-03-22 1:00	14.57	545893.4	13.53	0.08	0.33	3.44	
09-03-22 2:00	14.57	545645.1	12.95	0.08	0.33	2.75	
09-03-22 3:00	14.58	546519.2	14.06	0.06	0.33	2.44	
09-03-22 4:00	14.6	546138	13.11	0.16	0.33	2.27	
09-03-22 5:00	14.61	546177.8	13	0.22	0.33	2.29	
09-03-22 6:00	14.64	546638.6	13.07	0.33	0.33	2.3	
09-03-22 7:00	14.67	547423.7	12.65	0.46	0.33	2.49	
09-03-22 8:00	14.64	547116.5	15.84	0.39	0.33	2.44	
09-03-22 9:00	14.74	530940.6	19.57	0.36	0.34	6.82	
09-03-22 10:00	14.59	556400.7	13.84	0.2	0.33	3.97	
09-03-22 11:00	14.55	552586.2	17.68	0.01	0.33	2.53	
09-03-22 12:00	14.51	535880.9	26.17	0.02	0.33	2.45	
09-03-22 13:00	14.39	551440.1	14.83	0.07	0.32	2.25	
09-03-22 14:00	14.39	548021.1	14.99	0.08	0.32	2.21	
09-03-22 15:00	14.39	550308	16.59	0.09	0.32	2.18	
09-03-22 16:00	14.43	535113.2	26.11	0.23	0.34	2.34	
09-03-22 17:00	14.36	555823.3	12.88	0.12	0.32	2.01	
09-03-22 18:00	14.46	539948.5	22.93	0.1	0.32	2.41	
09-03-22 19:00	14.57	530921.3	30.31	0.04	0.33	2.9	
09-03-22 20:00	14.69	515557.9	34.61	0.01	0.34	3.26	
09-03-22 21:00	14.69	518436.7	34.09	0	0.34	3.18	
09-03-22 22:00	14.71	520004.8	34.86	0	0.34	3.3	
09-03-22 23:00	14.65	536729	20.7	0	0.33	4.76	
10-03-22 0:00	14.54	552111.4	14.38	0	0.33	2.71	
10-03-22 1:00	14.53	549540	13.41	0	0.33	3.48	
10-03-22 2:00	14.52	547091.5	12.81	0	0.33	4.29	
10-03-22 3:00	14.51	546809.3	11.6	0.01	0.33	2.86	
10-03-22 4:00	14.52	546468	13.59	0.02	0.33	2.84	
10-03-22 5:00	14.53	546615.9	13.49	0.03	0.33	2.78	
10-03-22 6:00	14.56	545574.8	14.03	0.06	0.33	2.71	
10-03-22 7:00	14.59	546701.2	15.5	0.06	0.33	2.79	
10-03-22 8:00	14.55	547372.5	15.73	0.05	0.33	3.02	
10-03-22 9:00	14.63	534880.5	18.3	0.05	0.33	5.53	
10-03-22 10:00	14.48	559774.3	13.14	0.01	0.32	3.1	
10-03-22 11:00	14.55	530922.3	25.09	0.01	0.33	2.54	
10-03-22 12:00	14.47	529861.9	21.28	0.02	0.32	2.24	
10-03-22 13:00	14.4	541814.4	19.92	0.05	0.32	2.28	
10-03-22 14:00	14.42	540068	23.44	0.09	0.32	2.33	
10-03-22 15:00	14.41	542463	20.44	0.1	0.32	2.26	
10-03-22 16:00	14.43	533016.1	27.16	0.13	0.32	2.42	
10-03-22 17:00	14.46	529832.9	27.26	0.13	0.32	2.57	
10-03-22 18:00	14.46	534079.3	26.41	0.13	0.32	3	
10-03-22 19:00	14.49	540449.1	26.55	0.06	0.33	3.11	
10-03-22 20:00	14.68	511086.7	36.55	0.03	0.34	3.46	
10-03-22 21:00	14.69	515011.8	37.01	0.01	0.34	3.45	
10-03-22 22:00	14.69	519451.1	35.73	0.01	0.34	4.14	
10-03-22 23:00	14.54	547379.9	14.79	0	0.33	4.02	
11-03-22 0:00	14.52	548732.1	12.33	0	0.33	2.95	
11-03-22 1:00	14.52	550404.7	12.83	0	0.33	2.83	
11-03-22 2:00	14.54	549363.6	12.07	0.01	0.33	2.64	
11-03-22 3:00	14.52	549437.6	11.39	0.02	0.33	2.78	
11-03-22 4:00	14.52	547713.8	10.87	0.04	0.33	3.13	
11-03-22 5:00	14.53	547031.2	10.22	0.02	0.33	2.99	
11-03-22 6:00	14.56	545364.3	9.83	0.02	0.33	2.81	
11-03-22 7:00	14.6	545574.8	11.86	0.04	0.33	2.55	
11-03-22 8:00	14.61	548450.1	13.4	0.05	0.34	2.53	
11-03-22 9:00	14.69	535338.3	17.56	0.06	0.34	4.51	
11-03-22 10:00	14.52	562686.9	15.43	0.01	0.33	3	
11-03-22 11:00	14.53	541136.5	22.56	0	0.33	2.69	
11-03-22 12:00	14.44	542932	19.06	0.01	0.32	2.43	
11-03-22 13:00	14.39	547093.6	19.55	0.02	0.32	2.4	
11-03-22 14:00	14.38	548686.6	16.47	0.08	0.32	2.3	
11-03-22 15:00	14.37	556924.1	16	0.09	0.32	2.23	
11-03-22 16:00	14.39	549153.1	19.32	0.12	0.32	2.28	
11-03-22 17:00	14.39	542724.7	22.61	0.18	0.32	2.38	
11-03-22 18:00	14.47	528846.6	27.85	0.2	0.32	2.73	
11-03-22 19:00	14.63	511236.3	35.87	0.15	0.33	3.27	
11-03-22 20:00	14.69	511618.3	34.51	0.07	0.34	3.31	
11-03-22 21:00	14.71	510679.7	34.35	0.03	0.34	3.33	
11-03-22 22:00	14.73	512733.4	34.27	0.01	0.34	3.26	
11-03-22 23:00	14.6	539389.9	21.91	0.03	0.33	4.02	
12-03-22 0:00	14.53	551098.8	17.17	0	0.33	2.89	

12-03-22 1:00	14.52	553471	16.4	0	0.33	2.9	
12-03-22 2:00	14.53	552805.4	16.58	0	0.33	2.84	
12-03-22 3:00	14.53	551679	16.36	0.01	0.33	2.98	
12-03-22 4:00	14.54	548089.3	15.54	0.02	0.33	3.72	
12-03-22 5:00	14.54	547378.2	14.46	0.02	0.33	3.29	
12-03-22 6:00	14.55	547014.1	14.74	0.03	0.33	3.03	
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12-03-22 8:00	14.56	547554.6	17.72	0.03	0.33	3.01	
12-03-22 9:00	14.65	535355.4	22.62	0.04	0.33	4.33	
12-03-22 10:00	14.63	525767.9	27.51	0.03	0.33	3.02	
12-03-22 11:00	14.58	520030.3	28.51	0.02	0.33	2.63	
12-03-22 12:00	14.52	518855.9	26.83	0.05	0.33	2.49	
12-03-22 13:00	14.41	533730.6	28.12	0.1	0.32	2.47	
12-03-22 14:00	14.42	535246.5	27.89	0.15	0.32	2.51	
12-03-22 15:00	14.4	540773.4	27.39	0.17	0.32	2.44	
12-03-22 16:00	14.41	537920.1	27.1	0.19	0.32	2.41	
12-03-22 17:00	14.47	519711.7	28.12	0.25	0.32	2.49	
12-03-22 18:00	14.55	515945.2	28.78	0.23	0.33	2.77	
12-03-22 19:00	14.66	506111.5	44.53	0.22	0.33	3.15	
12-03-22 20:00	14.71	507391.5	37.69	0.09	0.34	3.31	
12-03-22 21:00	14.76	506324.8	40.72	0.01	0.34	3.34	
12-03-22 22:00	14.79	506165.5	46.16	0.01	0.34	3.8	
12-03-22 23:00	14.49	562783.5	15.74	0	0.33	3.07	
13-03-22 0:00	14.43	568410	12.18	0	0.32	3.34	
13-03-22 1:00	14.41	570481.2	11.31	0	0.32	3.96	
13-03-22 2:00	14.4	571436.5	9.4	0	0.32	3.44	
13-03-22 3:00	14.41	571703.9	9.14	0	0.32	3.34	
13-03-22 4:00	14.4	574514.2	7.2	0	0.32	3.39	
13-03-22 5:00	14.39	576186.8	7.1	0	0.32	3.27	
13-03-22 6:00	14.4	576476.9	6.76	0.01	0.32	3.45	
13-03-22 7:00	14.41	574852.3	6.49	0.02	0.33	3.41	
13-03-22 8:00	14.43	569416.9	8.93	0.01	0.32	3.31	
13-03-22 9:00	14.43	562675.6	9.94	0	0.32	3.32	
13-03-22 10:00	14.41	559067.6	9.97	0	0.32	3.17	
13-03-22 11:00	14.38	554392.6	8.86	0	0.32	2.85	
13-03-22 12:00	14.34	556048.1	9.23	0.03	0.32	2.5	
13-03-22 13:00	14.34	555137.8	11.9	0.09	0.32	2.25	
13-03-22 14:00	14.35	554455.2	12.32	0.15	0.32	2.18	
13-03-22 15:00	14.35	552748.5	12.29	0.17	0.32	2.2	
13-03-22 16:00	14.36	553448.3	12.95	0.14	0.32	2.23	
13-03-22 17:00	14.38	556821.8	13.62	0.15	0.32	2.26	
13-03-22 18:00	14.37	560644.7	13.19	0.1	0.32	2.44	
13-03-22 19:00	14.62	516737.4	35.68	0.22	0.33	3	
13-03-22 20:00	14.72	508224.9	43.56	0.22	0.34	3.04	
13-03-22 21:00	14.74	509687.4	40.2	0.12	0.34	3.37	
13-03-22 22:00	14.62	535055.7	20.45	0.04	0.33	5.44	
13-03-22 23:00	14.41	567471.4	10.37	0	0.32	3.51	
14-03-22 0:00	14.4	569570.6	9.33	0	0.32	3.53	
14-03-22 1:00	14.39	570378.4	8.01	0	0.32	3.7	
14-03-22 2:00	14.38	571368.3	7.63	0	0.32	3.75	
14-03-22 3:00	14.38	571760.8	6.64	0	0.32	3.43	
14-03-22 4:00	14.38	572113.5	5.53	0	0.32	3.64	
14-03-22 5:00	14.38	571493.4	5.3	0	0.32	3.36	
14-03-22 6:00	14.39	572119.2	4.88	0	0.32	3.56	
14-03-22 7:00	14.41	570816.4	5.26	0.01	0.32	3.2	
14-03-22 8:00	14.51	550945	10.72	0.01	0.33	3.08	
14-03-22 9:00	14.57	539297.8	16.36	0.03	0.33	3.95	
14-03-22 10:00	14.52	535024.6	24.34	0.01	0.33	3.33	
14-03-22 11:00	14.49	529116.7	27.69	0.04	0.33	2.86	
14-03-22 12:00	14.49	523791.2	28.12	0.1	0.33	2.62	
14-03-22 13:00	14.42	535772.9	26.85	0.15	0.32	2.61	
14-03-22 14:00	14.42	535972	26.85	0.18	0.32	2.58	
14-03-22 15:00	14.41	540301.2	25.24	0.04	0.32	2.87	
14-03-22 16:00	14.42	538142.2	26.09	0.27	0.32	2.58	
14-03-22 17:00	14.48	524455.6	27.51	0.27	0.32	2.79	
14-03-22 18:00	14.5	528284.1	25.75	0.2	0.33	2.78	
14-03-22 19:00	14.4	557237.1	13.26	0.11	0.32	2.78	
14-03-22 20:00	14.42	557089.1	12.68	0.12	0.32	2.72	
14-03-22 21:00	14.44	551206.8	13.12	0.09	0.32	3.01	
14-03-22 22:00	14.48	540232.9	21.03	0.11	0.32	2.99	
14-03-22 23:00	14.48	553319.8	11.66	0.09	0.32	3.6	
15-03-22 0:00	14.49	550069.1	12.51	0.05	0.33	3.33	
15-03-22 1:00	14.49	549591.2	12.27	0.02	0.33	3.38	
15-03-22 2:00	14.49	549033.7	12.11	0.02	0.33	2.92	
15-03-22 3:00	14.5	550154.4	12	0.02	0.33	3.1	
15-03-22 4:00	14.51	549340.9	12.12	0.04	0.33	2.99	
15-03-22 5:00	14.52	549653.8	12.15	0.05	0.33	3.17	
15-03-22 6:00	14.53	548328.3	12.23	0.05	0.33	3.02	
15-03-22 7:00	14.53	548985.7	12.44	0.04	0.33	2.87	
15-03-22 8:00	14.51	549181.6	12.8	0.03	0.33	3.37	
15-03-22 9:00	14.57	535924.1	18.18	0.01	0.33	3.47	
15-03-22 10:00	14.5	536050.8	23.16	0.06	0.33	2.98	
15-03-22 11:00	<Samp	530248.6	<Samp	<Samp	<Samp	<Samp	
15-03-22 12:00	14.66	521351.2	28.86	0.16	0.33	1.21	
15-03-22 13:00	14.61	537325.9	27.62	0.81	0.33	1.21	
15-03-22 14:00	14.58	545290.4	25.28	0.77	0.33	0.99	
15-03-22 15:00	14.56	552759.9	17.37	0.71	0.33	0.92	
15-03-22 16:00	14.55	551170	18.21	0.7	0.33	0.97	
15-03-22 17:00	14.61	538217.4	27.79	0.78	0.33	1.27	
15-03-22 18:00	14.65	522826.1	28.35	0.65	0.33	1.3	
15-03-22 19:00	14.58	547763.4	19.24	0.6	0.33	1.4	

15-03-22 20:00	14.6	548501.4	18.84	0.61	0.33	1.61	
15-03-22 21:00	14.68	530394	26.47	0.52	0.34	1.61	
15-03-22 22:00	14.75	523225.3	23.55	0.43	0.34	1.62	
15-03-22 23:00	14.65	553427.5	13.57	0.31	0.33	2.44	
16-03-22 0:00	14.66	551948.7	12.72	0.19	0.33	1.77	
16-03-22 1:00	14.67	551610.8	12.82	0.19	0.33	1.65	
16-03-22 2:00	14.67	550677.8	12.4	0.17	0.33	1.58	
16-03-22 3:00	14.67	551087.4	12.3	0.22	0.33	1.49	
16-03-22 4:00	14.67	550347.8	12.25	0.26	0.33	1.51	
16-03-22 5:00	14.67	548982.4	12.18	0.36	0.33	2.82	
16-03-22 6:00	14.69	548533.1	12.73	0.32	0.34	1.92	
16-03-22 7:00	14.7	547759.4	12.82	0.29	0.34	1.63	
16-03-22 8:00	14.7	548646.8	12.92	0.28	0.34	1.8	
16-03-22 9:00	14.79	534976.9	18.35	0.29	0.34	3.54	
16-03-22 10:00	14.74	534295.9	25.77	0.25	0.34	2.2	
16-03-22 11:00	14.73	526276.3	29.09	0.23	0.34	1.8	
16-03-22 12:00	14.83	508338.8	38.97	0.29	0.34	1.89	
16-03-22 13:00	14.62	528462	28.92	0.32	0.33	1.59	
16-03-22 14:00	14.69	529830.8	29.95	0.52	0.34	1.65	
16-03-22 15:00	14.94	528394.7	35.05	0.54	0.34	1.93	
16-03-22 16:00	14.86	526874.9	33.74	0.53	0.35	1.85	
16-03-22 17:00	14.87	530029.6	30.77	0.57	0.35	1.8	
16-03-22 18:00	14.91	526239.6	31.46	0.59	0.35	2.03	
16-03-22 19:00	14.91	527517.8	30.8	0.57	0.35	2.04	
16-03-22 20:00	14.85	537138.2	30.98	0.42	0.34	1.73	
16-03-22 21:00	14.88	534771.6	32.77	0.34	0.35	1.68	
16-03-22 22:00	14.9	530077.9	32.83	0.5	0.35	1.96	
16-03-22 23:00	14.78	552,065.80	17.86	0.43	0.34	1.72	
17-03-22 0:00	14.77	546,405.40	16.18	0.48	0.34	1.62	
17-03-22 1:00	14.76	548,248.60	15.84	0.34	0.34	1.58	
17-03-22 2:00	14.75	547,821.80	15.49	0.61	0.34	1.75	
17-03-22 3:00	14.75	548,032.40	15.38	0.66	0.34	1.69	
17-03-22 4:00	14.74	547,088.10	15.51	0.72	0.34	1.75	
17-03-22 5:00	14.74	546,627.30	15.28	0.83	0.34	1.76	
17-03-22 6:00	14.75	546,223.40	14.87	0.84	0.34	1.81	
17-03-22 7:00	14.75	546,325.80	15.05	0.85	0.34	1.96	
17-03-22 8:00	14.74	547,406.60	15.91	0.76	0.34	1.99	
17-03-22 9:00	14.82	533571.7	19.02	0.71	0.34	4.73	
17-03-22 10:00	14.74	534501.3	22.72	0.52	0.34	2.83	
17-03-22 11:00	14.76	523350.6	29.88	0.4	0.34	1.76	
17-03-22 12:00	14.83	507181	37.15	0.47	0.34	1.92	
17-03-22 13:00	14.63	527830.4	28.48	0.46	0.33	1.67	
17-03-22 14:00	14.59	529515	28	0.59	0.33	1.61	
17-03-22 15:00	14.56	533497.3	26.53	0.58	0.33	1.58	
17-03-22 16:00	14.97	534558.3	25.7	0.57	0.33	1.55	
17-03-22 17:00	14.62	535172.1	23.86	0.63	0.33	1.48	
17-03-22 18:00	14.81	524414.9	33.2	0.63	0.34	2.12	
17-03-22 19:00	14.88	517978.7	36.13	0.43	0.35	2.48	
17-03-22 20:00	14.87	520927.1	35.19	0.35	0.35	2.25	
17-03-22 21:00	14.89	523453.1	34.67	0.34	0.35	2.22	
17-03-22 22:00	14.89	520338.1	34.74	0.27	0.35	2.89	
17-03-22 23:00	14.74	549149.3	19.9	0.2	0.34	2.36	
18-03-22 0:00	14.71	549818.8	15.62	0.22	0.34	1.93	
18-03-22 1:00	14.71	549818.8	15.37	0.27	0.34	1.85	
18-03-22 2:00	14.69	549181.6	15.05	0.32	0.34	1.88	
18-03-22 3:00	14.69	549744.8	15.31	0.38	0.34	1.97	
18-03-22 4:00	14.69	548789.1	14.81	0.43	0.34	1.92	
18-03-22 5:00	14.7	548140.5	15.04	0.43	0.34	2.07	
18-03-22 6:00	14.7	547179.1	15.13	0.42	0.34	2.13	
18-03-22 7:00	14.71	546708.9	15.27	0.41	0.34	2.31	
18-03-22 8:00	14.72	546342.8	15.67	0.3	0.34	2.28	
18-03-22 9:00	14.82	534530.6	18.43	0.29	0.34	4.93	
18-03-22 10:00	14.75	532742.4	25	0.23	0.34	2.37	
18-03-22 11:00	14.71	526017.8	27.82	0.25	0.34	1.89	
18-03-22 12:00	14.77	509486.1	38.92	0.4	0.34	1.83	
18-03-22 13:00	14.72	527863.9	30	0.63	0.34	1.89	
18-03-22 14:00	14.8	544078.6	22.36	0.58	0.34	1.61	
18-03-22 15:00	14.78	547833.3	21.44	0.71	0.34	2	
18-03-22 16:00	14.79	541131.8	20.79	0.92	0.34	2.25	
18-03-22 17:00	14.96	528567.3	24.43	1.05	0.35	3.03	
18-03-22 18:00	15.01	523365	22.34	1.08	0.36	5.75	
18-03-22 19:00	14.98	521489.7	27.02	1.03	0.35	3.67	
18-03-22 20:00	14.98	530570.3	23.74	1.03	0.35	2.7	
18-03-22 21:00	14.95	529827.6	26.62	1.02	0.35	2.37	
18-03-22 22:00	14.96	528879.1	23.86	1.09	0.35	2.99	
18-03-22 23:00	14.91	536711.9	15.04	1.07	0.35	7.83	
19-03-22 0:00	14.77	546997.1	14.43	0.83	0.34	1.75	
19-03-22 1:00	14.76	549773.2	13.73	0.88	0.34	1.78	
19-03-22 2:00	14.75	548088.3	17.32	0.96	0.34	1.97	
19-03-22 3:00	14.75	547435.1	16.64	1	0.34	2.08	
19-03-22 4:00	14.74	547053.9	16.49	1	0.34	2.17	
19-03-22 5:00	14.73	547076.7	16.35	1.11	0.34	2.16	
19-03-22 6:00	14.74	545739.8	16.71	1.06	0.34	2.26	
19-03-22 7:00	14.76	545222.1	16.99	1.11	0.34	2.2	
19-03-22 8:00	14.75	546627.3	17.18	1.05	0.34	2.25	
19-03-22 9:00	14.84	535841.9	19.88	1.01	0.34	5.64	
19-03-22 10:00	14.84	533980.4	25.87	0.88	0.34	2.33	
19-03-22 11:00	14.88	522519.9	30.96	0.76	0.35	2.47	
19-03-22 12:00	14.91	513228.4	32.87	0.7	0.35	4.08	
19-03-22 13:00	14.76	520221.3	34.87	0.63	0.34	2.14	
19-03-22 14:00	14.64	529330.3	28.96	0.59	0.33	2.17	

19-03-22 15:00	14.57	535496.9	26.73	0.58	0.33	2.14
19-03-22 16:00	14.57	531641.6	25.62	0.64	0.33	1.92
19-03-22 17:00	14.74	509061.2	33.82	0.75	0.34	2
19-03-22 18:00	14.91	505152.9	41.06	0.68	0.35	4
19-03-22 19:00	14.92	508961.6	36.37	0.54	0.35	4.08
19-03-22 20:00	14.88	515435.7	34.71	0.65	0.35	2.98
19-03-22 21:00	14.92	518021.3	27.94	0.36	0.35	3.66
19-03-22 22:00	14.96	516843.9	25.27	0.44	0.35	5.37
19-03-22 23:00	14.7	556749.3	11.83	0.38	0.34	3.6
20-03-22 0:00	14.58	573530	5.66	0.37	0.33	1.99
20-03-22 1:00	14.56	575504.1	5.18	0.39	0.33	1.91
20-03-22 2:00	14.56	575902.3	5.41	0.43	0.33	1.94
20-03-22 3:00	14.57	575566.6	5.62	0.49	0.33	1.9
20-03-22 4:00	14.57	575020.5	5.4	0.5	0.33	1.82
20-03-22 5:00	14.57	575386	5.71	0.51	0.33	1.82
20-03-22 6:00	14.59	576989.9	5.74	0.52	0.33	1.81
20-03-22 7:00	14.61	576755.6	5.89	0.47	0.33	1.71
20-03-22 8:00	14.63	573239.9	6.73	0.46	0.33	1.74
20-03-22 9:00	14.61	568580.7	8.9	0.38	0.33	1.94
20-03-22 10:00	14.59	562314.5	10.67	0.28	0.33	2.06
20-03-22 11:00	14.58	558130.2	11.52	0.24	0.33	1.92
20-03-22 12:00	14.52	553317.4	10.78	0.29	0.33	1.62
20-03-22 13:00	14.47	554904.6	9.92	0.37	0.32	1.31
20-03-22 14:00	14.47	556412.1	9.6	0.47	0.32	1.25
20-03-22 15:00	14.48	555376.8	8.4	0.49	0.32	1.29
20-03-22 16:00	14.47	557402	9.75	0.52	0.33	1.41
20-03-22 17:00	14.49	560656.1	9.74	0.54	0.33	1.71
20-03-22 18:00	14.66	545226.6	6.99	0.45	0.33	5.32
20-03-22 19:00	15.04	487537.3	36.25	0.54	0.36	5.65
20-03-22 20:00	15.01	489977.8	41.94	0.44	0.35	2.42
20-03-22 21:00	15.01	490962	43.3	0.38	0.33	2.16
20-03-22 22:00	14.88	530413.1	20.13	0.35	0.35	5.85
20-03-22 23:00	14.61	569.894.80	8.42	0.24	0.33	1.84
21-03-22 0:00	14.61	571.806.30	6.93	0.22	0.33	1.83
21-03-22 1:00	14.60	572.124.90	6.41	0.23	0.33	1.78
21-03-22 2:00	14.60	573.029.40	6.21	0.27	0.33	1.95
21-03-22 3:00	14.59	573.689.30	5.89	0.38	0.33	2.12
21-03-22 4:00	14.59	573.450.40	5.93	0.43	0.33	2.13
21-03-22 5:00	14.60	573.808.80	5.67	0.40	0.33	1.86
21-03-22 6:00	14.60	573.916.90	5.55	0.38	0.33	1.85
21-03-22 7:00	14.60	572.904.30	5.97	0.38	0.33	1.94
21-03-22 8:00	14.69	553.442.60	12.85	0.36	0.34	2.18
21-03-22 9:00	14.80	533.225.10	20.09	0.36	0.34	4.58
21-03-22 10:00	14.63	566.253.90	10.55	0.18	0.33	1.93
21-03-22 11:00	14.69	539.052.00	22.74	0.24	0.34	1.67
21-03-22 12:00	14.67	543.287.90	23.72	0.33	0.33	1.74
21-03-22 13:00	14.58	550.558.20	13.59	0.40	0.33	1.45
21-03-22 14:00	14.60	535.579.40	23.98	0.56	0.33	1.53
21-03-22 15:00	14.60	530.442.40	28.50	0.53	0.33	1.71
21-03-22 16:00	14.66	526.404.20	31.39	0.58	0.33	1.77
21-03-22 17:00	14.76	511.259.90	36.08	0.69	0.34	1.84
21-03-22 18:00	14.80	520.051.90	30.81	0.51	0.34	2.23
21-03-22 19:00	14.85	523390.7	33.65	0.27	0.34	2.19
21-03-22 20:00	14.8	530987	30.76	0.21	0.34	2.34
21-03-22 21:00	14.77	537820.9	29.53	0.34	0.34	2.24
21-03-22 22:00	14.83	532785.8	27.43	0.15	0.34	2.46
21-03-22 23:00	14.76	553.346.60	14.78	0.22	0.34	2.19
22-03-22 0:00	14.73	546.758.10	16.08	0.25	0.34	2.19
22-03-22 1:00	14.72	546.496.40	15.84	0.21	0.34	2.88
22-03-22 2:00	14.72	547.446.40	15.34	0.26	0.34	2.06
22-03-22 3:00	14.73	548.624.10	15.36	0.29	0.34	1.93
22-03-22 4:00	14.74	548.940.30	15.57	0.35	0.34	2.03
22-03-22 5:00	14.75	548.021.10	15.82	0.37	0.34	1.96
22-03-22 6:00	14.75	546.627.30	15.97	0.40	0.34	2.04
22-03-22 7:00	14.76	545.927.50	16.31	0.43	0.34	2.08
22-03-22 8:00	14.76	548.271.40	17.10	0.42	0.34	2.12
22-03-22 9:00	14.85	533094.3	21.64	0.39	0.35	4.03
22-03-22 10:00	14.68	559421.6	13.52	0.22	0.34	1.91
22-03-22 11:00	14.69	546536.2	18.6	0.27	0.34	1.79
22-03-22 12:00	14.65	546118	15.47	0.33	0.33	1.63
22-03-22 13:00	14.66	530115.1	29.65	0.37	0.33	1.8
22-03-22 14:00	14.63	531415.2	29.32	0.53	0.33	1.87
22-03-22 15:00	14.61	533036.6	28.94	0.48	0.33	1.98
22-03-22 16:00	14.62	528971.3	28.49	0.46	0.33	1.98
22-03-22 17:00	14.72	531249.2	27.41	0.56	0.34	2.01
22-03-22 18:00	14.8	529081	28.53	0.46	0.34	2.59
22-03-22 19:00	14.82	529338.1	29.09	0.34	0.34	2.37
22-03-22 20:00	14.89	524216.3	33.12	0.38	0.35	2.49
22-03-22 21:00	14.91	523487.4	33.68	0.33	0.35	2.46
22-03-22 22:00	14.93	522710.1	30.23	0.38	0.35	2.9
22-03-22 23:00	14.76	549465.1	17.04	0.37	0.34	2.77
23-03-22 0:00	14.75	546183.5	16.8	0.33	0.34	2.23
23-03-22 1:00	14.76	546376.9	17.22	0.44	0.34	2.04
23-03-22 2:00	14.75	546373.1	16.97	0.47	0.34	2.11
23-03-22 3:00	14.73	546348.5	16.66	0.49	0.34	2.23
23-03-22 4:00	14.75	545688.6	16.59	0.57	0.34	2.23
23-03-22 5:00	14.76	546428.1	16.89	0.6	0.34	2.11
23-03-22 6:00	14.76	546138	16.87	0.61	0.34	2.2
23-03-22 7:00	14.76	545368.6	17.54	0.6	0.34	2.24
23-03-22 8:00	14.75	546368.3	16.44	0.54	0.34	2.3
23-03-22 9:00	14.84	533770.8	20.57	0.47	0.34	4.26

23-03-22 10:00	14.84	529831.1	28.5	0.41	0.34	2.54	
23-03-22 11:00	14.68	544368.8	22.05	0.4	0.34	1.97	
23-03-22 12:00	14.66	542360.6	24.46	0.5	0.33	2.1	
23-03-22 13:00	14.61	559268	16.27	0.5	0.33	1.95	
23-03-22 14:00	14.65	529833.4	28.49	0.55	0.33	1.7	
23-03-22 15:00	14.62	531304.2	28.02	0.6	0.33	1.76	
23-03-22 16:00	14.61	530066.7	27.5	0.54	0.33	1.95	
23-03-22 17:00	14.53	553636	14.75	0.53	0.33	1.61	
23-03-22 18:00	14.6	543267.9	20.47	0.57	0.33	1.93	
23-03-22 19:00	14.69	539174.8	28.48	0.39	0.34	2.3	
23-03-22 20:00	14.78	532097.6	27.41	0.27	0.34	2.93	
23-03-22 21:00	14.84	529170.4	27.95	0.33	0.34	2.56	
23-03-22 22:00	14.88	526271.6	24.44	0.37	0.35	3.03	
23-03-22 23:00	14.77	549539.2	13.8	0.39	0.34	3.56	
24-03-22 0:00	14.74	548788.1	16.08	0.43	0.34	2.37	
24-03-22 1:00	14.73	548191.7	15.69	0.44	0.34	2.16	
24-03-22 2:00	14.73	548356.7	15.78	0.51	0.34	2.11	
24-03-22 3:00	14.72	548077.9	15.59	0.54	0.34	2.14	
24-03-22 4:00	14.72	546701.2	15.43	0.59	0.34	2.35	
24-03-22 5:00	14.73	546376.9	15.14	0.56	0.34	2.52	
24-03-22 6:00	14.74	545745.5	15.29	0.54	0.34	2.39	
24-03-22 7:00	14.74	546684.1	16.68	0.61	0.34	2.32	
24-03-22 8:00	14.73	546684.1	17	0.53	0.34	2.58	
24-03-22 9:00	14.82	534493.4	21.01	0.46	0.34	4.19	
24-03-22 10:00	14.66	560759.4	14.47	0.32	0.33	1.77	
24-03-22 11:00	14.71	527582.6	27.22	0.38	0.34	1.71	
24-03-22 12:00	14.62	542770	20.92	0.5	0.33	1.86	
24-03-22 13:00	14.62	541293.6	22.62	0.53	0.33	1.72	
24-03-22 14:00	14.62	531995.4	28.49	0.66	0.33	1.86	
24-03-22 15:00	14.61	538957.4	25.13	0.67	0.33	1.89	
24-03-22 16:00	14.63	551559.5	16.46	0.63	0.34	2.35	
24-03-22 17:00	14.73	530421.8	26.83	0.57	0.34	2.37	
24-03-22 18:00	14.77	526068.6	26.64	0.5	0.34	2.38	
24-03-22 19:00	14.81	526301.5	26.54	0.4	0.34	2.77	
24-03-22 20:00	14.75	532274.2	26.97	0.36	0.34	2.47	
24-03-22 21:00	14.76	533650.9	25.93	0.34	0.34	2.59	
24-03-22 22:00	14.79	531647.9	25.93	0.36	0.34	2.86	
24-03-22 23:00	14.72	550503.5	12.57	0.39	0.34	3.87	
25-03-22 0:00	14.7	548550.1	13.16	0.45	0.34	2.54	
25-03-22 1:00	14.7	548123.4	13.78	0.41	0.34	2.47	
25-03-22 2:00	14.7	548504.6	14.31	0.5	0.34	2.26	
25-03-22 3:00	14.71	546951.5	14.21	0.52	0.34	2.14	
25-03-22 4:00	14.71	547395.3	14.4	0.53	0.34	2.09	
25-03-22 5:00	14.72	547406.6	14.1	0.51	0.34	2.26	
25-03-22 6:00	14.73	546839.6	13.59	0.46	0.34	2.34	
25-03-22 7:00	14.74	547395.3	16.25	0.53	0.34	2.37	
25-03-22 8:00	14.73	548897.1	17	0.48	0.34	2.49	
25-03-22 9:00	14.8	535818.8	22.3	0.45	0.34	3.5	
25-03-22 10:00	14.73	535254.3	26.43	0.37	0.34	2.67	
25-03-22 11:00	14.71	529037.1	30.79	0.42	0.34	1.93	
25-03-22 12:00	14.76	517211.2	40.54	0.59	0.34	1.69	
25-03-22 13:00	14.63	532228.7	29.78	0.56	0.33	1.6	
25-03-22 14:00	14.63	533195.8	30.17	0.6	0.33	1.62	
25-03-22 15:00	14.64	53467.2	30.13	0.62	0.33	1.59	
25-03-22 16:00	14.67	524657.3	29.57	0.71	0.33	1.6	
25-03-22 17:00	14.81	507033.1	36.69	0.74	0.34	2.01	
25-03-22 18:00	14.81	512159.3	33.34	0.8	0.34	2.07	
25-03-22 19:00	14.75	523714.9	30.22	0.66	0.34	1.97	
25-03-22 20:00	14.74	533064.7	30.84	0.53	0.34	2.2	
25-03-22 21:00	14.75	533286.8	30.71	0.47	0.34	2.24	
25-03-22 22:00	14.79	530928.5	29.98	0.45	0.34	2.42	
25-03-22 23:00	14.83	537320.7	20.4	0.46	0.34	3.36	
26-03-22 0:00	14.72	547770.8	16.6	0.42	0.34	2.05	
26-03-22 1:00	14.71	548356.7	16.44	0.43	0.34	2.1	
26-03-22 2:00	14.71	548555.8	16.43	0.43	0.34	2.08	
26-03-22 3:00	14.71	548146.2	16.39	0.48	0.34	2.42	
26-03-22 4:00	14.71	547594.4	16.46	0.48	0.34	2.41	
26-03-22 5:00	14.73	546200.6	17.12	0.51	0.34	2.12	
26-03-22 6:00	14.76	545330.2	18.35	0.52	0.34	2.03	
26-03-22 7:00	14.76	54571.2	19.17	0.51	0.34	2.16	
26-03-22 8:00	14.76	546968.6	19.6	0.39	0.34	2.24	
26-03-22 9:00	14.83	536632.4	23.99	0.31	0.34	2.52	
26-03-22 10:00	14.89	516233.4	36.13	0.38	0.35	2.09	
26-03-22 11:00	14.91	504274	51.31	0.51	0.35	1.99	
26-03-22 12:00	14.83	501534.8	62.49	0.61	0.35	1.85	
26-03-22 13:00	14.84	501273.1	55.67	0.72	0.34	1.83	
26-03-22 14:00	14.82	497936.6	54.46	0.72	0.34	1.81	
26-03-22 15:00	14.83	498539.6	55.15	0.69	0.34	1.88	
26-03-22 16:00	14.84	495177.5	53.66	0.68	0.34	1.9	
26-03-22 17:00	14.83	498676.5	53.48	0.63	0.34	1.88	
26-03-22 18:00	14.8	510002.8	31.55	0.8	0.34	1.85	
26-03-22 19:00	14.89	504589.7	49.99	0.71	0.35	2.24	
26-03-22 20:00	14.93	504333.7	47.67	0.63	0.35	2.58	
26-03-22 21:00	14.95	500124.1	44.3	0.54	0.35	2.86	
26-03-22 22:00	14.96	490699.4	50.54	0.35	0.35	2.35	
26-03-22 23:00	15.01	482053.2	46.73	0.42	0.35	2.26	
27-03-22 0:00	15	495546.6	37.85	0.38	0.35	3.09	
27-03-22 1:00	14.63	567473.9	12.64	0.22	0.33	2.55	
27-03-22 2:00	14.6	570566.1	11.74	0.26	0.33	2.54	
27-03-22 3:00	14.6	570956.6	11.24	0.46	0.33	3.59	
27-03-22 4:00	14.6	570674.2	9.38	0.28	0.33	2.34	

27-03-22 5:00	14.6	572949.8	8.02	0.34	0.33	2.27
27-03-22 6:00	14.6	571464.9	8.26	0.29	0.33	2.11
27-03-22 7:00	14.61	570770.9	9.66	0.37	0.33	2.68
27-03-22 8:00	14.62	563244.5	10.88	0.25	0.33	2.44
27-03-22 9:00	14.63	557868.5	12.78	0.19	0.33	2.39
27-03-22 10:00	14.59	555479.2	12.16	0.23	0.33	2.06
27-03-22 11:00	14.56	555843.3	11.87	0.38	0.33	1.83
27-03-22 12:00	14.54	556042.4	12.09	0.45	0.33	1.81
27-03-22 13:00	14.52	556816.1	12.3	0.53	0.33	1.62
27-03-22 14:00	14.5	556042.4	12.67	0.57	0.33	1.58
27-03-22 15:00	14.49	556042.4	12.73	0.59	0.33	1.56
27-03-22 16:00	14.46	557191.5	12.78	0.66	0.32	1.75
27-03-22 17:00	14.49	558733.2	12.81	0.65	0.33	1.97
27-03-22 18:00	14.7	542036.9	19.92	0.61	0.34	3.2
27-03-22 19:00	14.91	517168.3	35.45	0.51	0.35	2.75
27-03-22 20:00	14.93	517492.2	37.35	0.37	0.35	2.81
27-03-22 21:00	14.95	515282	35.51	0.27	0.35	2.92
27-03-22 22:00	14.79	545953.7	21.97	0.23	0.34	3.2
27-03-22 23:00	14.63	566162.90	11.40	0.13	0.33	2.31
28-03-22 0:00	14.63	568176.80	10.84	0.15	0.33	2.30
28-03-22 1:00	14.62	570423.90	10.00	0.16	0.33	2.05
28-03-22 2:00	14.62	572033.80	9.73	0.18	0.33	2.06
28-03-22 3:00	14.62	570571.80	10.09	0.15	0.33	2.10
28-03-22 4:00	14.61	573399.20	7.77	0.14	0.33	2.07
28-03-22 5:00	14.63	574451.60	7.32	0.13	0.33	1.95
28-03-22 6:00	14.64	577040.10	7.16	0.12	0.33	1.93
28-03-22 7:00	14.65	575464.30	8.16	0.14	0.33	2.00
28-03-22 8:00	14.76	566020.60	10.38	0.19	0.34	2.13
28-03-22 9:00	14.92	538521.60	19.71	0.29	0.35	3.83
28-03-22 10:00	14.90	534335.30	29.81	0.31	0.35	2.56
28-03-22 11:00	14.92	517401.50	35.36	0.31	0.35	2.60
28-03-22 12:00	14.86	510637.00	35.03	0.35	0.35	2.26
28-03-22 13:00	14.67	525323.70	31.30	0.48	0.33	1.97
28-03-22 14:00	14.62	527503.90	29.95	0.59	0.33	2.06
28-03-22 15:00	14.62	528371.30	30.16	0.62	0.33	2.14
28-03-22 16:00	14.67	529244.60	28.12	0.59	0.33	2.27
28-03-22 17:00	14.70	540738.90	27.49	0.48	0.34	2.57
28-03-22 18:00	14.78	530729.6	27.24	0.37	0.34	2.61
28-03-22 19:00	14.83	530175	23.59	0.23	0.34	2.98
28-03-22 20:00	14.81	533673.6	23.31	0.18	0.34	2.6
28-03-22 21:00	14.82	534327.9	28.68	0.13	0.34	2.54
28-03-22 22:00	14.87	531619.8	25.01	0.15	0.35	3.18
28-03-22 23:00	14.86	539369.20	21.21	0.20	0.35	3.17
29-03-22 0:00	14.76	547236.00	18.21	0.24	0.34	2.36
29-03-22 1:00	14.75	548066.60	17.94	0.30	0.34	2.35
29-03-22 2:00	14.75	547531.80	17.84	0.35	0.34	2.31
29-03-22 3:00	14.75	547412.30	17.88	0.39	0.34	2.38
29-03-22 4:00	14.75	546103.90	17.92	0.44	0.34	2.43
29-03-22 5:00	14.75	546587.40	17.90	0.53	0.34	2.42
29-03-22 6:00	14.76	545489.50	17.71	0.48	0.34	2.50
29-03-22 7:00	14.78	545108.30	18.56	0.49	0.34	2.49
29-03-22 8:00	14.77	547213.20	19.20	0.41	0.34	2.51
29-03-22 9:00	14.84	536626.9	21.27	0.32	0.34	4.29
29-03-22 10:00	14.77	548967.8	21.02	0.28	0.34	2.99
29-03-22 11:00	14.88	516311.9	35.1	0.29	0.35	2.77
29-03-22 12:00	14.82	509854.9	35.21	0.42	0.34	2.49
29-03-22 13:00	14.65	524646.4	30.72	0.5	0.33	2.31
29-03-22 14:00	14.61	529497.8	29.63	0.55	0.33	2.42
29-03-22 15:00	14.59	529662.8	29.39	0.53	0.33	2.4
29-03-22 16:00	14.6	528413.4	29.53	0.61	0.33	2.37
29-03-22 17:00	14.77	516308.9	32.79	0.72	0.34	2.33
29-03-22 18:00	14.84	528612.4	24.89	0.6	0.34	3.22
29-03-22 19:00	14.8	531221.8	28.09	0.4	0.34	2.93
29-03-22 20:00	14.78	534327.9	30.53	0.28	0.34	2.72
29-03-22 21:00	14.79	534919.5	30.31	0.26	0.34	2.71
29-03-22 22:00	14.88	530319.6	31.14	0.25	0.35	2.82
29-03-22 23:00	14.86	539094.4	19.69	0.3	0.35	4.2
30-03-22 0:00	14.73	547742.3	17.88	0.28	0.34	2.61
30-03-22 1:00	14.73	547400.9	17.87	0.37	0.34	2.52
30-03-22 2:00	14.73	546654.4	17.86	0.37	0.34	2.51
30-03-22 3:00	14.73	545751.2	17.42	0.37	0.34	2.46
30-03-22 4:00	14.73	545557.8	17.28	0.49	0.34	2.48
30-03-22 5:00	14.75	546502.1	17.51	0.62	0.34	2.48
30-03-22 6:00	14.77	545352.9	17.69	0.55	0.34	2.56
30-03-22 7:00	14.79	544869.4	18.68	0.56	0.34	2.48
30-03-22 8:00	14.77	546029.9	18.6	0.5	0.34	2.6
30-03-22 9:00	14.84	532055.8	21.93	0.48	0.34	4.33
30-03-22 10:00	14.7	556136.2	16.32	0.34	0.34	2.32
30-03-22 11:00	14.66	546954.3	23.65	0.51	0.33	2.43
30-03-22 12:00	14.61	543720.3	21.14	0.58	0.33	2.27
30-03-22 13:00	14.62	529691.2	28.79	0.35	0.33	2.3
30-03-22 14:00	14.6	531181.9	29.64	0.61	0.33	2.44
30-03-22 15:00	14.61	530661.3	29.97	0.64	0.33	2.53
30-03-22 16:00	14.63	528706.3	29.82	0.64	0.33	2.52
30-03-22 17:00	14.8	505986.4	48.98	0.32	0.34	2.36
30-03-22 18:00	14.83	507448.4	37.46	0.67	0.34	2.47
30-03-22 19:00	14.88	507411.4	36.73	0.55	0.35	2.59
30-03-22 20:00	14.89	512244.1	35.2	0.53	0.35	2.83
30-03-22 21:00	14.87	518230.5	35.09	0.33	0.35	3.06
30-03-22 22:00	14.89	517093	35.82	0.35	0.35	3.28
30-03-22 23:00	14.79	536436	22.96	0.31	0.34	3.41

31-03-22 0:00	14.7	548225.8	16	0.27	0.34	2.61	
31-03-22 1:00	14.7	548203.1	15.72	0.28	0.34	2.63	
31-03-22 2:00	14.72	547861.8	15.85	0.3	0.34	2.57	
31-03-22 3:00	14.72	548095	16.14	0.39	0.34	2.51	
31-03-22 4:00	14.71	547793.5	15.98	0.45	0.34	2.72	
31-03-22 5:00	14.73	547833.3	15.39	0.43	0.34	2.68	
31-03-22 6:00	14.74	545808.1	16.42	0.5	0.34	2.73	
31-03-22 7:00	14.75	545876.3	17.65	0.5	0.34	2.95	
31-03-22 8:00	14.74	547218.9	17.17	0.5	0.34	2.75	
31-03-22 9:00	14.81	533600.6	20.17	0.43	0.34	4.23	
31-03-22 10:00	14.65	557771.8	14.3	0.25	0.33	2.46	
31-03-22 11:00	14.67	537009.9	26.02	0.39	0.33	2.47	
31-03-22 12:00	14.62	546092.4	19.28	0.5	0.33	2.02	
31-03-22 13:00	14.65	526411.1	29.08	0.67	0.33	2.09	
31-03-22 14:00	14.63	527854.6	28.96	0.66	0.33	2.15	
31-03-22 15:00	14.64	524549.3	29.41	0.66	0.33	2.09	
31-03-22 16:00	14.73	514012	40.48	0.65	0.34	2.13	
31-03-22 17:00	14.77	503804.7	53.87	0.73	0.34	2.21	
31-03-22 18:00	14.82	505403.2	36.05	0.73	0.34	2.38	
31-03-22 19:00	14.89	509541.9	35.26	0.57	0.35	2.66	
31-03-22 20:00	14.93	511481.8	35.41	0.4	0.35	2.92	
31-03-22 21:00	14.95	512375	36.54	0.3	0.35	2.95	
31-03-22 22:00	14.94	514272.2	35.76	0.22	0.35	3.01	
31-03-22 23:00	14.77	549726.9	16.72	0.14	0.34	3.18	
Minimum	14.34	557119.00	4.88	0.00	0.32	0.92	
Maximum	19.25	577,040.10	55.67	1.11	0.37	7.83	
Avg	14.67	537,450.12	21.82	0.29	0.35	2.58	
SUM							
STD			STD = 60.120	STD = 6.20	STD = 28.60	STD = 690	

Site Name: GULF_NRV1
 Stack Name: HRSG_STACK1
 Periodically: 01/04/2020 00:00-30/04/2020 23:59

Date & Time	O2	FLOW @1 ATM 25C m3/hr	Emission Concentration for Standardization Comparison				Remark
			HRSG1_NOx@7%O2 ppm	HRSG1_SOx@7%O2 ppm	HRSG1_Dust (7%O2) mg/m3	HRSG1_CO@7%O2 ppm	
01-04-22 0:00	14.74	548544.40	16.24	0.11	0.34	2.56	
01-04-22 1:00	14.75	547336.60	15.92	0.09	0.34	2.50	
01-04-22 2:00	14.75	547520.40	15.79	0.09	0.34	2.45	
01-04-22 3:00	14.75	546849.10	15.91	0.14	0.34	2.47	
01-04-22 4:00	14.75	547503.40	16.27	0.31	0.34	2.58	
01-04-22 5:00	14.77	546308.70	16.15	0.37	0.34	2.54	
01-04-22 6:00	14.78	545603.30	16.44	0.45	0.34	2.55	
01-04-22 7:00	14.79	545352.90	16.70	0.45	0.34	2.65	
01-04-22 8:00	14.77	549813.10	17.09	0.47	0.34	2.82	
01-04-22 9:00	14.87	536375.90	23.25	0.43	0.35	4.76	
01-04-22 10:00	14.71	555854.60	18.22	0.26	0.34	2.81	
01-04-22 11:00	14.75	538517.20	25.29	0.36	0.34	2.79	
01-04-22 12:00	14.72	539231.70	28.33	0.32	0.34	2.87	
01-04-22 13:00	14.69	533619.40	27.24	0.35	0.34	2.53	
01-04-22 14:00	14.71	528240.30	29.49	0.49	0.34	2.54	
01-04-22 15:00	14.72	550981.60	19.03	0.50	0.34	2.79	
01-04-22 16:00	14.76	544493.80	22.48	0.36	0.34	2.77	
01-04-22 17:00	14.87	525721.80	24.87	0.32	0.35	3.14	
01-04-22 18:00	14.99	516235.00	30.53	0.44	0.35	3.57	
01-04-22 19:00	14.95	521043.90	33.85	0.45	0.35	2.89	
01-04-22 20:00	14.94	524352.80	35.67	0.44	0.35	2.55	
01-04-22 21:00	14.97	525258.40	35.25	0.48	0.35	2.52	
01-04-22 22:00	15.00	523818.00	33.79	0.47	0.35	2.75	
01-04-22 23:00	14.93	545874.10	22.39	0.42	0.35	3.21	
02-04-22 0:00	14.86	546246.10	20.47	0.40	0.35	2.46	
02-04-22 1:00	14.89	548698.00	18.98	0.42	0.35	2.29	
02-04-22 2:00	14.93	551110.10	15.10	0.30	0.35	2.63	
02-04-22 3:00	15.02	553471.00	15.63	0.66	0.35	2.22	
02-04-22 4:00	15.05	555786.40	15.87	0.86	0.36	2.30	
02-04-22 5:00	15.05	556480.40	15.92	1.05	0.36	2.21	
02-04-22 6:00	15.06	554637.20	15.78	1.25	0.36	2.19	
02-04-22 7:00	15.08	552947.60	14.85	1.37	0.36	2.36	
02-04-22 8:00	15.08	555274.40	15.57	1.40	0.36	2.35	
02-04-22 9:00	15.21	532455.70	21.99	1.55	0.37	12.01	
02-04-22 10:00	15.24	510904.40	30.35	1.54	0.37	8.60	
02-04-22 11:00	15.20	505907.80	41.10	1.47	0.37	3.81	
02-04-22 12:00	15.24	507255.00	37.22	1.46	0.37	6.31	
02-04-22 13:00	15.10	513416.00	37.12	1.43	0.36	2.91	
02-04-22 14:00	15.11	511376.60	37.21	1.47	0.36	3.21	
02-04-22 15:00	15.10	512554.20	37.62	1.58	0.36	3.14	
02-04-22 16:00	15.10	510233.10	36.53	1.53	0.36	3.31	
02-04-22 17:00	15.15	499391.20	43.41	1.53	0.36	2.75	
02-04-22 18:00	15.15	489773.00	51.15	1.54	0.36	2.72	
02-04-22 19:00	15.15	490256.60	53.35	1.56	0.36	2.41	
02-04-22 20:00	15.14	494659.80	54.92	1.59	0.36	2.35	
02-04-22 21:00	15.15	494460.70	55.52	1.56	0.36	2.35	
02-04-22 22:00	15.23	486271.50	46.09	1.68	0.37	2.97	
02-04-22 23:00	18.07	263055.80	23.94	5.50	3.79	202.17	
03-04-22 0:00	21.80	11855.69	0.00	0.00	0.00	0.00	Shut down
03-04-22 1:00	21.82	14656.07	0.00	0.00	0.00	0.00	Shut down
03-04-22 2:00	21.83	11711.48	0.00	0.00	0.00	0.00	Shut down
03-04-22 3:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
03-04-22 4:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
03-04-22 5:00	21.80	11855.69	0.00	0.00	0.00	0.00	Shut down
03-04-22 6:00	21.82	14656.07	0.00	0.00	0.00	0.00	Shut down
03-04-22 7:00	21.83	11711.48	0.00	0.00	0.00	0.00	Shut down
03-04-22 8:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
03-04-22 9:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
03-04-22 10:00	21.80	11855.69	0.00	0.00	0.00	0.00	Shut down
03-04-22 11:00	21.82	14656.07	0.00	0.00	0.00	0.00	Shut down
03-04-22 12:00	21.83	11711.48	0.00	0.00	0.00	0.00	Shut down
03-04-22 13:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
03-04-22 14:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
03-04-22 15:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
03-04-22 16:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
03-04-22 17:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
03-04-22 18:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
03-04-22 19:00	17.55	297830.00	30.13	5.40	7.76	264.15	
03-04-22 20:00	15.24	486903.00	40.68	1.22	0.37	5.18	
03-04-22 21:00	15.24	482994.70	43.08	1.34	0.37	3.78	
03-04-22 22:00	15.23	492994.40	39.39	1.33	0.37	4.29	
03-04-22 23:00	14.90	580419.30	34.71	1.26	0.34	3.58	
04-04-22 0:00	14.86	581323.80	35.00	1.23	0.34	3.70	
04-04-22 1:00	14.81	585032.90	34.76	1.22	0.34	3.54	
04-04-22 2:00	14.94	571260.10	35.49	1.26	0.35	3.71	
04-04-22 3:00	14.95	572460.50	35.54	1.28	0.35	3.55	
04-04-22 4:00	14.79	594034.60	34.63	1.12	0.34	3.59	
04-04-22 5:00	14.82	594142.90	34.77	1.04	0.34	3.67	
04-04-22 6:00	14.83	595080.60	34.88	0.97	0.34	3.93	
04-04-22 7:00	14.83	594930.80	34.86	0.87	0.34	3.77	
04-04-22 8:00	15.00	563784.90	33.81	0.87	0.35	3.92	
04-04-22 9:00	15.14	540791.30	34.07	0.88	0.36	4.85	
04-04-22 10:00	15.09	538071.20	36.07	0.67	0.36	4.09	

04-04-22 11:00	15.04	536119.90	36.14	0.63	0.36	3.54	
04-04-22 12:00	15.08	526700.80	35.66	0.64	0.36	4.92	
04-04-22 13:00	14.82	546564.70	34.79	0.43	0.34	2.97	
04-04-22 14:00	14.78	549704.90	34.42	0.29	0.34	2.94	
04-04-22 15:00	14.75	552162.60	34.40	0.26	0.34	2.99	
04-04-22 16:00	14.73	554295.90	34.34	0.32	0.34	2.92	
04-04-22 17:00	14.91	523609.30	33.96	0.53	0.35	3.72	
04-04-22 18:00	15.00	526922.10	34.33	0.41	0.35	4.28	
04-04-22 19:00	15.05	529586.10	36.53	0.25	0.36	4.40	
04-04-22 20:00	15.03	536745.60	35.78	0.22	0.36	4.02	
04-04-22 21:00	15.06	535835.40	36.26	0.27	0.36	4.14	
04-04-22 22:00	15.09	532822.90	35.61	0.34	0.36	4.82	
04-04-22 23:00	15.03	545937.40	28.89	0.45	0.36	5.42	
05-04-22 0:00	14.98	548191.70	31.63	0.55	0.35	3.98	
05-04-22 1:00	14.98	552640.40	35.76	0.68	0.35	4.17	
05-04-22 2:00	14.98	552293.40	35.71	0.93	0.35	4.21	
05-04-22 3:00	14.91	552464.10	25.24	0.95	0.35	3.83	
05-04-22 4:00	14.97	549602.60	33.19	1.05	0.35	4.13	
05-04-22 5:00	15.00	551559.50	35.83	1.14	0.35	4.13	
05-04-22 6:00	15.01	550632.30	35.90	1.21	0.35	3.96	
05-04-22 7:00	15.02	549340.90	35.99	1.22	0.35	3.84	
05-04-22 8:00	14.99	547201.80	34.64	1.26	0.35	3.70	
05-04-22 9:00	15.02	549340.90	35.99	1.22	0.35	3.84	
05-04-22 10:00	14.99	547201.80	34.64	1.26	0.35	3.70	
05-04-22 11:00	14.79	533802.40	32.04	0.98	0.35	3.47	
05-04-22 12:00	14.94	519382.20	36.15	0.91	0.35	3.45	
05-04-22 13:00	14.85	517941.60	34.97	0.75	0.34	3.02	
05-04-22 14:00	14.71	528852.00	30.19	0.67	0.34	2.62	
05-04-22 15:00	14.70	532608.50	29.02	0.58	0.34	2.63	
05-04-22 16:00	14.69	528196.80	30.27	0.61	0.34	2.57	
05-04-22 17:00	14.78	514175.80	34.20	0.70	0.34	2.96	
05-04-22 18:00	14.87	515316.20	35.50	0.66	0.35	3.24	
05-04-22 19:00	14.95	517384.10	36.10	0.42	0.35	3.75	
05-04-22 20:00	14.83	536901.80	32.62	0.21	0.34	3.19	
05-04-22 21:00	14.85	538691.30	31.21	0.15	0.34	3.46	
05-04-22 22:00	14.88	538705.20	29.89	0.18	0.35	3.72	
05-04-22 23:00	14.86	551300.40	29.00	0.16	0.35	3.94	
06-04-22 0:00	14.80	550655.00	25.27	0.16	0.34	3.61	
06-04-22 1:00	14.80	551161.30	21.61	0.25	0.34	3.61	
06-04-22 2:00	14.80	551309.20	22.39	0.26	0.34	3.76	
06-04-22 3:00	14.80	551445.80	20.66	0.34	0.34	4.33	
06-04-22 4:00	14.87	545546.40	30.39	0.33	0.35	4.44	
06-04-22 5:00	14.91	547600.10	31.04	0.38	0.35	4.18	
06-04-22 6:00	14.95	543390.30	35.58	0.43	0.35	4.04	
06-04-22 7:00	14.96	542730.40	34.64	0.45	0.35	3.96	
06-04-22 8:00	14.88	552008.90	23.71	0.35	0.35	3.38	
06-04-22 9:00	14.97	538962.40	23.09	0.51	0.35	7.43	
06-04-22 10:00	14.83	543236.70	26.63	0.36	0.34	3.53	
06-04-22 11:00	14.76	547127.90	26.96	0.28	0.34	3.39	
06-04-22 12:00	14.76	534108.00	31.20	0.26	0.34	3.20	
06-04-22 13:00	14.60	561202.20	18.20	0.24	0.33	2.68	
06-04-22 14:00	14.65	530749.50	30.69	0.42	0.33	2.76	
06-04-22 15:00	14.65	531773.60	31.29	0.39	0.33	2.88	
06-04-22 16:00	14.65	529736.60	31.02	0.41	0.33	2.83	
06-04-22 17:00	14.64	542074.60	21.55	0.47	0.33	2.89	
06-04-22 18:00	14.72	534535.40	31.86	0.46	0.34	3.11	
06-04-22 19:00	14.77	535016.30	32.39	0.28	0.34	3.04	
06-04-22 20:00	14.77	542007.90	27.81	0.16	0.34	3.45	
06-04-22 21:00	14.83	535966.30	29.38	0.15	0.34	3.70	
06-04-22 22:00	14.91	530802.80	32.48	0.11	0.35	4.38	
06-04-22 23:00	14.94	533900.50	26.05	0.12	0.35	5.57	
07-04-22 0:00	14.79	550444.50	20.97	0.06	0.34	4.11	
07-04-22 1:00	14.78	552361.70	21.55	0.12	0.34	3.89	
07-04-22 2:00	14.77	551013.40	21.54	0.16	0.34	4.06	
07-04-22 3:00	14.81	552082.90	20.96	0.22	0.34	3.54	
07-04-22 4:00	14.84	552230.80	22.06	0.26	0.34	3.63	
07-04-22 5:00	14.89	555058.20	20.34	0.26	0.35	4.28	
07-04-22 6:00	14.90	553431.20	19.31	0.32	0.35	4.00	
07-04-22 7:00	14.90	551093.10	23.82	0.36	0.35	3.81	
07-04-22 8:00	14.89	552617.00	20.42	0.35	0.35	3.88	
07-04-22 9:00	15.00	539511.40	25.18	0.40	0.35	7.36	
07-04-22 10:00	14.84	552970.40	31.73	0.28	0.34	3.53	
07-04-22 11:00	14.80	553232.10	26.95	0.32	0.34	3.50	
07-04-22 12:00	14.81	537337.30	32.16	0.23	0.34	3.24	
07-04-22 13:00	14.66	563230.80	19.27	0.17	0.33	2.95	
07-04-22 14:00	14.69	540005.30	27.53	0.27	0.34	2.87	
07-04-22 15:00	14.72	529475.10	31.53	0.30	0.34	2.84	
07-04-22 16:00	14.74	527933.30	31.06	0.38	0.34	2.96	
07-04-22 17:00	14.88	518951.70	34.95	0.47	0.35	3.53	
07-04-22 18:00	14.89	529653.60	29.22	0.23	0.35	3.97	
07-04-22 19:00	14.93	529216.10	34.03	0.17	0.35	4.03	
07-04-22 20:00	14.88	538961.50	32.44	0.14	0.35	4.03	
07-04-22 21:00	14.93	537104.10	34.08	0.13	0.35	4.41	
07-04-22 22:00	14.99	533195.80	35.48	0.12	0.35	4.76	
07-04-22 23:00	15.00	538154.60	27.54	0.14	0.35	6.38	
08-04-22 0:00	14.84	553323.10	22.71	0.08	0.34	3.86	
08-04-22 1:00	14.84	553385.70	23.16	0.10	0.34	3.72	
08-04-22 2:00	14.86	552327.50	26.09	0.09	0.35	3.82	
08-04-22 3:00	14.87	552475.40	24.45	0.17	0.35	4.19	
08-04-22 4:00	14.89	553827.70	22.38	0.29	0.35	4.39	
08-04-22 5:00	14.89	552634.80	27.04	0.31	0.35	3.98	

08-04-22 6:00	14.93	551240.90	24.67	0.49	0.35	4.51	
08-04-22 7:00	14.93	553038.60	19.33	0.58	0.35	4.67	
08-04-22 8:00	14.91	554352.80	31.97	0.61	0.35	3.97	
08-04-22 9:00	14.99	543163.80	28.08	0.62	0.35	7.36	
08-04-22 10:00	14.84	554330.00	32.55	0.42	0.34	3.83	
08-04-22 11:00	14.79	559279.40	29.50	0.31	0.34	3.54	
08-04-22 12:00	14.80	539351.20	34.34	0.24	0.34	3.30	
08-04-22 13:00	14.69	551713.10	25.87	0.26	0.34	3.15	
08-04-22 14:00	14.72	530937.30	32.34	0.31	0.34	3.00	
08-04-22 15:00	14.72	530644.30	32.44	0.27	0.34	2.93	
08-04-22 16:00	14.82	524533.50	33.81	0.32	0.34	3.22	
08-04-22 17:00	14.78	537183.50	34.09	0.22	0.34	3.17	
08-04-22 18:00	14.90	527803.60	31.91	0.14	0.35	3.98	
08-04-22 19:00	15.03	520443.40	32.66	0.11	0.36	5.10	
08-04-22 20:00	15.02	523768.70	35.40	0.11	0.35	4.62	
08-04-22 21:00	14.89	539766.30	31.70	0.07	0.35	4.07	
08-04-22 22:00	14.92	538076.90	32.37	0.09	0.35	4.24	
08-04-22 23:00	14.90	552016.90	31.02	0.15	0.35	4.84	
09-04-22 0:00	14.81	552845.20	34.75	0.16	0.34	4.67	
09-04-22 1:00	14.81	554119.50	27.72	0.22	0.34	4.50	
09-04-22 2:00	14.82	553567.70	25.52	0.35	0.34	5.01	
09-04-22 3:00	14.87	552862.30	27.54	0.45	0.35	5.24	
09-04-22 4:00	14.82	553391.40	20.39	0.48	0.34	4.32	
09-04-22 5:00	14.86	553658.80	23.05	0.59	0.35	4.32	
09-04-22 6:00	14.94	548942.60	30.27	0.72	0.35	4.67	
09-04-22 7:00	14.94	549545.70	31.20	0.72	0.35	4.38	
09-04-22 8:00	14.88	555996.90	30.58	0.72	0.35	3.78	
09-04-22 9:00	14.98	539935.30	27.98	0.73	0.35	7.62	
09-04-22 10:00	14.88	540762.00	33.69	0.60	0.35	3.80	
09-04-22 11:00	14.82	540393.50	32.94	0.42	0.34	3.54	
09-04-22 12:00	14.87	530785.80	31.01	0.41	0.35	3.78	
09-04-22 13:00	14.71	553493.80	24.01	0.25	0.34	3.41	
09-04-22 14:00	14.67	556440.60	19.90	0.22	0.33	3.18	
09-04-22 15:00	14.65	555001.30	20.12	0.22	0.33	3.25	
09-04-22 16:00	14.68	541618.20	31.72	0.34	0.34	3.43	
09-04-22 17:00	14.89	517744.00	31.40	0.44	0.35	2.68	
09-04-22 18:00	14.99	513777.30	42.27	0.33	0.35	5.25	
09-04-22 19:00	14.95	519751.30	36.16	0.25	0.35	4.78	
09-04-22 20:00	14.94	528536.00	35.45	0.18	0.35	4.29	
09-04-22 21:00	14.97	528664.40	35.74	0.20	0.35	4.67	
09-04-22 22:00	15.05	525317.80	31.59	0.22	0.36	6.59	
09-04-22 23:00	14.83	562366.40	25.06	0.15	0.34	5.52	
10-04-22 0:00	14.66	582285.20	14.32	0.12	0.33	4.16	
10-04-22 1:00	14.66	584236.50	13.93	0.21	0.33	3.88	
10-04-22 2:00	14.62	585203.60	12.82	0.21	0.33	4.17	
10-04-22 3:00	14.62	586307.30	12.19	0.32	0.33	4.32	
10-04-22 4:00	14.65	585380.00	13.14	0.43	0.33	3.98	
10-04-22 5:00	14.65	587479.20	13.48	0.47	0.33	4.51	
10-04-22 6:00	14.65	589322.40	13.01	0.54	0.33	4.55	
10-04-22 7:00	14.67	587132.10	12.60	0.55	0.33	4.13	
10-04-22 8:00	14.68	582490.00	12.35	0.60	0.33	3.92	
10-04-22 9:00	14.67	570485.60	13.32	0.54	0.33	3.37	
10-04-22 10:00	14.66	565025.10	15.46	0.44	0.33	2.89	
10-04-22 11:00	14.62	561537.80	15.43	0.39	0.33	2.76	
10-04-22 12:00	14.59	559734.40	15.06	0.37	0.33	2.61	
10-04-22 13:00	14.54	560047.40	14.27	0.42	0.33	2.51	
10-04-22 14:00	14.62	561185.10	13.62	0.46	0.33	2.63	
10-04-22 15:00	14.53	560968.90	14.20	0.51	0.33	2.55	
10-04-22 16:00	14.54	561219.30	15.07	0.48	0.33	2.61	
10-04-22 17:00	14.55	564820.30	15.33	0.49	0.33	2.68	
10-04-22 18:00	14.89	500194.10	35.01	0.52	0.35	4.07	
10-04-22 19:00	15.07	477093.20	40.46	0.40	0.36	3.96	
10-04-22 20:00	15.05	473964.40	39.66	0.23	0.36	4.06	
10-04-22 21:00	15.08	468061.40	38.57	0.17	0.36	4.06	
10-04-22 22:00	15.15	472496.20	32.55	0.29	1.15	12.84	
10-04-22 23:00	21.01	36824.65	2.19	3.01	2.09	162.32	
11-04-22 0:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 1:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 2:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 3:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 4:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 5:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 6:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 7:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 8:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 9:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 10:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 11:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 12:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 13:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 14:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 15:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 16:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
11-04-22 17:00	21.86	13507.80	0.00	0.00	0.00	0.00	Shut down
11-04-22 18:00	21.40	446.36	0.00	0.00	0.00	0.00	Shut down
11-04-22 19:00	21.46	445.73	0.00	0.00	0.00	0.00	Shut down
11-04-22 20:00	21.49	442.99	0.00	0.00	0.00	0.00	Shut down
11-04-22 21:00	21.52	440.43	0.00	0.00	0.00	0.00	Shut down
11-04-22 22:00	21.53	438.99	0.00	0.00	0.00	0.00	Shut down
11-04-22 23:00	21.54	438.06	0.00	0.00	0.00	0.00	Shut down
12-04-22 0:00	21.54	436.79	0.00	0.00	0.00	0.00	Shut down

12-04-22 1:00	21.54	436.04	0.00	0.00	0.00	0.00	Shut down
12-04-22 2:00	21.53	435.62	0.00	0.00	0.00	0.00	Shut down
12-04-22 3:00	21.52	435.43	0.00	0.00	0.00	0.00	Shut down
12-04-22 4:00	21.53	434.62	0.00	0.00	0.00	0.00	Shut down
12-04-22 5:00	21.55	433.77	0.00	0.00	0.00	0.00	Shut down
12-04-22 6:00	21.56	434.44	0.00	0.00	0.00	0.00	Shut down
12-04-22 7:00	21.56	433.99	0.00	0.00	0.00	0.00	Shut down
12-04-22 8:00	21.56	434.43	0.00	0.00	0.00	0.00	Shut down
12-04-22 9:00	21.52	419.81	0.00	0.00	0.00	0.00	Shut down
12-04-22 10:00	21.47	408.61	0.00	0.00	0.00	0.00	Shut down
12-04-22 11:00	21.41	403.49	0.00	0.00	0.00	0.00	Shut down
12-04-22 12:00	21.34	391.63	0.00	0.00	0.00	0.00	Shut down
12-04-22 13:00	21.28	392.72	0.00	0.00	0.00	0.00	Shut down
12-04-22 14:00	21.25	393.49	0.00	0.00	0.00	0.00	Shut down
12-04-22 15:00	21.28	397.82	0.00	0.00	0.00	0.00	Shut down
12-04-22 16:00	21.39	410.20	0.00	0.00	0.00	0.00	Shut down
12-04-22 17:00	21.44	409.44	0.00	0.00	0.00	0.00	Shut down
12-04-22 18:00	21.46	409.07	0.00	0.00	0.00	0.00	Shut down
12-04-22 19:00	21.47	408.79	0.00	0.00	0.00	0.00	Shut down
12-04-22 20:00	21.50	408.82	0.00	0.00	0.00	0.00	Shut down
12-04-22 21:00	21.51	408.80	0.00	0.00	0.00	0.00	Shut down
12-04-22 22:00	21.52	408.46	0.00	0.00	0.00	0.00	Shut down
12-04-22 23:00	21.51	408.52	0.00	0.00	0.00	0.00	Shut down
13-04-22 0:00	21.50	408.46	0.00	0.00	0.00	0.00	Shut down
13-04-22 1:00	21.50	408.68	0.00	0.00	0.00	0.00	Shut down
13-04-22 2:00	21.49	408.69	0.00	0.00	0.00	0.00	Shut down
13-04-22 3:00	21.50	408.69	0.00	0.00	0.00	0.00	Shut down
13-04-22 4:00	21.51	408.64	0.00	0.00	0.00	0.00	Shut down
13-04-22 5:00	21.53	408.41	0.00	0.00	0.00	0.00	Shut down
13-04-22 6:00	21.55	408.41	0.00	0.00	0.00	0.00	Shut down
13-04-22 7:00	21.56	407.72	0.00	0.00	0.00	0.00	Shut down
13-04-22 8:00	21.54	407.97	0.00	0.00	0.00	0.00	Shut down
13-04-22 9:00	21.49	408.80	0.00	0.00	0.00	0.00	Shut down
13-04-22 10:00	21.41	405.89	0.00	0.00	0.00	0.00	Shut down
13-04-22 11:00	21.54	391.15	0.00	0.00	0.00	0.00	Shut down
13-04-22 12:00	21.29	392.51	0.00	0.00	0.00	0.00	Shut down
13-04-22 13:00	21.25	393.16	0.00	0.00	0.00	0.00	Shut down
13-04-22 14:00	21.23	393.42	0.00	0.00	0.00	0.00	Shut down
13-04-22 15:00	21.23	394.04	0.00	0.00	0.00	0.00	Shut down
13-04-22 16:00	21.25	393.54	0.00	0.00	0.00	0.00	Shut down
13-04-22 17:00	21.32	407.36	0.00	0.00	0.00	0.00	Shut down
13-04-22 18:00	21.40	409.76	0.00	0.00	0.00	0.00	Shut down
13-04-22 19:00	21.45	409.97	0.00	0.00	0.00	0.00	Shut down
13-04-22 20:00	21.47	410.20	0.00	0.00	0.00	0.00	Shut down
13-04-22 21:00	21.49	408.78	0.00	0.00	0.00	0.00	Shut down
13-04-22 22:00	21.51	408.41	0.00	0.00	0.00	0.00	Shut down
13-04-22 23:00	21.52	408.57	0.00	0.00	0.00	0.00	Shut down
14-04-22 0:00	21.51	408.47	0.00	0.00	0.00	0.00	Shut down
14-04-22 1:00	21.50	408.49	0.00	0.00	0.00	0.00	Shut down
14-04-22 2:00	21.50	408.53	0.00	0.00	0.00	0.00	Shut down
14-04-22 3:00	21.50	408.44	0.00	0.00	0.00	0.00	Shut down
14-04-22 4:00	21.51	408.14	0.00	0.00	0.00	0.00	Shut down
14-04-22 5:00	21.53	408.38	0.00	0.00	0.00	0.00	Shut down
14-04-22 6:00	21.56	408.16	0.00	0.00	0.00	0.00	Shut down
14-04-22 7:00	21.59	407.96	0.00	0.00	0.00	0.00	Shut down
14-04-22 8:00	21.58	542.14	0.00	0.00	0.00	0.00	Shut down
14-04-22 9:00	21.52	535.25	0.00	0.00	0.00	0.00	Shut down
14-04-22 10:00	21.46	431.75	0.00	0.00	0.00	0.00	Shut down
14-04-22 11:00	21.40	428.67	0.00	0.00	0.00	0.00	Shut down
14-04-22 12:00	21.33	429.90	0.00	0.00	0.00	0.00	Shut down
14-04-22 13:00	21.26	432.21	0.00	0.00	0.00	0.00	Shut down
14-04-22 14:00	21.23	431.67	0.00	0.00	0.00	0.00	Shut down
14-04-22 15:00	21.24	429.56	0.00	0.00	0.00	0.00	Shut down
14-04-22 16:00	21.24	429.13	0.00	0.00	0.00	0.00	Shut down
14-04-22 17:00	21.29	425.27	0.00	0.00	0.00	0.00	Shut down
14-04-22 18:00	21.40	436.79	0.00	0.00	0.00	0.00	Shut down
14-04-22 19:00	21.48	438.54	0.00	0.00	0.00	0.00	Shut down
14-04-22 20:00	21.50	437.05	0.00	0.00	0.00	0.00	Shut down
14-04-22 21:00	21.52	436.40	0.00	0.00	0.00	0.00	Shut down
14-04-22 22:00	21.54	435.11	0.00	0.00	0.00	0.00	Shut down
14-04-22 23:00	21.54	434.69	0.00	0.00	0.00	0.00	Shut down
15-04-22 0:00	21.53	434.75	0.00	0.00	0.00	0.00	Shut down
15-04-22 1:00	21.52	434.19	0.00	0.00	0.00	0.00	Shut down
15-04-22 2:00	21.52	434.28	0.00	0.00	0.00	0.00	Shut down
15-04-22 3:00	21.52	434.46	0.00	0.00	0.00	0.00	Shut down
15-04-22 4:00	21.53	435.52	0.00	0.00	0.00	0.00	Shut down
15-04-22 5:00	21.55	434.60	0.00	0.00	0.00	0.00	Shut down
15-04-22 6:00	21.56	434.37	0.00	0.00	0.00	0.00	Shut down
15-04-22 7:00	21.58	435.29	0.00	0.00	0.00	0.00	Shut down
15-04-22 8:00	21.57	436.46	0.00	0.00	0.00	0.00	Shut down
15-04-22 9:00	21.52	438.79	0.00	0.00	0.00	0.00	Shut down
15-04-22 10:00	21.45	433.56	0.00	0.00	0.00	0.00	Shut down
15-04-22 11:00	21.38	429.17	0.00	0.00	0.00	0.00	Shut down
15-04-22 12:00	21.34	430.74	0.00	0.00	0.00	0.00	Shut down
15-04-22 13:00	21.32	428.52	0.00	0.00	0.00	0.00	Shut down
15-04-22 14:00	21.28	430.52	0.00	0.00	0.00	0.00	Shut down
15-04-22 15:00	21.28	427.87	0.00	0.00	0.00	0.00	Shut down
15-04-22 16:00	21.27	427.93	0.00	0.00	0.00	0.00	Shut down
15-04-22 17:00	21.31	426.10	0.00	0.00	0.00	0.00	Shut down
15-04-22 18:00	21.38	423.33	0.00	0.00	0.00	0.00	Shut down
15-04-22 19:00	21.44	427.74	0.00	0.00	0.00	0.00	Shut down

15-04-22 20:00	21.48	438.65	0.00	0.00	0.00	0.00	Shut down
15-04-22 21:00	21.51	439.38	0.00	0.00	0.00	0.00	Shut down
15-04-22 22:00	21.52	440.51	0.00	0.00	0.00	0.00	Shut down
15-04-22 23:00	21.52	438.75	0.00	0.00	0.00	0.00	Shut down
16-04-22 0:00	21.52	437.84	0.00	0.00	0.00	0.00	Shut down
16-04-22 1:00	21.52	436.73	0.00	0.00	0.00	0.00	Shut down
16-04-22 2:00	21.51	436.06	0.00	0.00	0.00	0.00	Shut down
16-04-22 3:00	21.52	435.14	0.00	0.00	0.00	0.00	Shut down
16-04-22 4:00	21.53	435.10	0.00	0.00	0.00	0.00	Shut down
16-04-22 5:00	21.55	434.51	0.00	0.00	0.00	0.00	Shut down
16-04-22 6:00	21.55	435.15	0.00	0.00	0.00	0.00	Shut down
16-04-22 7:00	21.57	436.40	0.00	0.00	0.00	0.00	Shut down
16-04-22 8:00	21.56	439.61	0.00	0.00	0.00	0.00	Shut down
16-04-22 9:00	21.54	447.61	0.00	0.00	0.00	0.00	Shut down
16-04-22 10:00	21.49	435.16	0.00	0.00	0.00	0.00	Shut down
16-04-22 11:00	21.41	428.44	0.00	0.00	0.00	0.00	Shut down
16-04-22 12:00	21.34	429.55	0.00	0.00	0.00	0.00	Shut down
16-04-22 13:00	21.31	432.13	0.00	0.00	0.00	0.00	Shut down
16-04-22 14:00	21.08	430.06	0.00	0.00	0.00	0.00	Shut down
16-04-22 15:00	21.48	428.97	0.00	0.00	0.00	0.00	Shut down
16-04-22 16:00	21.47	429.56	0.00	0.00	0.00	0.00	Shut down
16-04-22 17:00	21.49	428.95	0.00	0.00	0.00	0.00	Shut down
16-04-22 18:00	21.53	424.86	0.00	0.00	0.00	0.00	Shut down
16-04-22 19:00	21.61	457.81	0.00	0.00	0.00	0.00	Shut down
16-04-22 20:00	21.70	530.91	0.00	0.00	0.00	0.00	Shut down
16-04-22 21:00	21.78	451.14	0.00	0.00	0.00	0.00	Shut down
16-04-22 22:00	21.77	881.59	0.00	0.00	0.00	0.00	Shut down
16-04-22 23:00	21.78	859.23	0.00	0.00	0.00	0.00	Shut down
17-04-22 0:00	21.79	2197.10	0.00	0.00	0.00	0.00	Shut down
17-04-22 1:00	21.78	750.78	0.00	0.00	0.00	0.00	Shut down
17-04-22 2:00	21.78	427.53	0.00	0.00	0.00	0.00	Shut down
17-04-22 3:00	21.78	426.98	0.00	0.00	0.00	0.00	Shut down
17-04-22 4:00	21.79	426.45	0.00	0.00	0.00	0.00	Shut down
17-04-22 5:00	21.81	890.88	0.00	0.00	0.00	0.00	Shut down
17-04-22 6:00	21.82	566.50	0.00	0.00	0.00	0.00	Shut down
17-04-22 7:00	21.83	599.43	0.00	0.00	0.00	0.00	Shut down
17-04-22 8:00	21.82	430.75	0.00	0.00	0.00	0.00	Shut down
17-04-22 9:00	21.78	433.39	0.00	0.00	0.00	0.00	Shut down
17-04-22 10:00	21.72	434.61	0.00	0.00	0.00	0.00	Shut down
17-04-22 11:00	21.62	431.34	0.00	0.00	0.00	0.00	Shut down
17-04-22 12:00	21.57	421.90	0.00	0.00	0.00	0.00	Shut down
17-04-22 13:00	19.31	122267.60	30.65	4.50	6.39	608.55	
17-04-22 14:00	17.29	268539.30	51.67	5.30	11.66	687.43	
17-04-22 15:00	16.86	315869.40	48.36	3.20	13.45	278.13	
17-04-22 16:00	16.32	353962.20	29.81	5.40	15.29	400.40	
17-04-22 17:00	16.21	375488.90	21.99	5.20	13.50	271.41	
17-04-22 18:00	15.87	421176.40	24.06	1.39	9.12	55.66	
17-04-22 19:00	15.39	461398.20	11.08	0.00	2.45	37.53	
17-04-22 20:00	15.18	522252.50	23.33	0.00	0.36	11.26	
17-04-22 21:00	15.42	470892.70	12.17	0.66	3.80	48.06	
17-04-22 22:00	15.32	489950.90	17.02	0.76	2.14	35.75	
17-04-22 23:00	15.16	511433.40	18.50	0.98	1.30	13.30	
18-04-22 0:00	14.97	551266.50	12.46	0.00	0.35	6.24	
18-04-22 1:00	14.84	575959.20	0.00	0.00	0.34	7.98	
18-04-22 2:00	14.84	574445.90	0.00	0.00	0.34	8.19	
18-04-22 3:00	14.83	573962.40	0.00	0.00	0.34	7.91	
18-04-22 4:00	14.83	575959.40	0.00	0.00	0.34	7.92	
18-04-22 5:00	14.84	575634.90	0.00	0.00	0.34	8.13	
18-04-22 6:00	14.85	570779.90	0.00	0.00	0.34	8.16	
18-04-22 7:00	14.86	575174.10	0.00	0.00	0.35	8.15	
18-04-22 8:00	14.87	568233.70	0.00	0.00	0.35	7.79	
18-04-22 9:00	14.96	546586.50	6.14	0.00	0.35	9.56	
18-04-22 10:00	14.85	535206.10	2.91	0.00	0.42	3.12	
18-04-22 11:00	14.90	531252.90	12.79	0.00	0.35	3.38	
18-04-22 12:00	14.87	525155.90	14.15	0.00	0.35	2.95	
18-04-22 13:00	14.81	535613.60	11.76	0.00	0.34	3.28	
18-04-22 14:00	14.79	538207.70	11.46	0.00	0.34	3.64	
18-04-22 15:00	14.78	538801.10	11.44	0.00	0.34	3.47	
18-04-22 16:00	14.82	536770.60	12.66	0.00	0.34	3.68	
18-04-22 17:00	15.02	520813.20	22.05	0.00	0.35	4.88	
18-04-22 18:00	15.03	532279.40	15.63	0.00	0.36	5.20	
18-04-22 19:00	15.18	527551.80	16.53	0.00	0.36	9.25	
18-04-22 20:00	15.19	530419.10	16.50	0.00	0.37	8.37	
18-04-22 21:00	15.21	531181.60	19.11	0.00	0.37	8.31	
18-04-22 22:00	15.23	531889.40	16.76	0.00	0.37	8.92	
18-04-22 23:00	15.39	478015.00	13.00	0.13	4.80	25.43	
19-04-22 0:00	15.57	411522.30	14.24	0.00	11.57	12.65	
19-04-22 1:00	16.11	365291.60	22.70	2.57	11.23	98.76	
19-04-22 2:00	16.10	371353.10	11.52	2.92	11.52	109.84	
19-04-22 3:00	16.32	359114.70	12.03	5.70	11.84	197.13	
19-04-22 4:00	15.30	509555.40	8.37	0.24	2.59	19.69	
19-04-22 5:00	14.96	575452.90	0.26	0.00	0.35	4.61	
19-04-22 6:00	14.97	570435.30	0.30	0.00	0.35	4.77	
19-04-22 7:00	15.03	564071.90	3.81	0.00	0.35	5.35	
19-04-22 8:00	15.03	560701.60	2.29	0.00	0.36	4.80	
19-04-22 9:00	15.18	531663.60	16.82	0.00	0.36	9.35	
19-04-22 10:00	15.16	527859.60	24.44	0.00	0.36	5.78	
19-04-22 11:00	15.12	538480.60	25.22	0.00	0.36	5.51	
19-04-22 12:00	15.01	538182.40	15.99	0.00	0.35	4.35	
19-04-22 13:00	14.88	548780.40	6.58	0.00	0.35	3.61	
19-04-22 14:00	14.87	534566.80	13.04	0.00	0.35	3.17	

19-04-22 15:00	14.88	534140.10	13.43	0.00	0.35	3.19	
19-04-22 16:00	14.89	535437.20	12.49	0.00	0.35	3.44	
19-04-22 17:00	14.94	540449.10	13.82	0.00	0.35	3.91	
19-04-22 18:00	15.05	529524.40	19.73	0.00	0.36	5.28	
19-04-22 19:00	15.14	519957.30	19.88	0.00	0.36	7.88	
19-04-22 20:00	15.15	524074.40	19.46	0.00	0.36	6.26	
19-04-22 21:00	15.19	524831.60	16.40	0.00	0.37	8.49	
19-04-22 22:00	15.14	531256.90	15.71	0.00	0.36	7.83	
19-04-22 23:00	15.06	551478.90	7.46	0.00	0.36	9.59	
20-04-22 0:00	14.97	555336.90	0.06	0.00	0.35	6.03	
20-04-22 1:00	14.97	558539.80	0.02	0.00	0.35	6.48	
20-04-22 2:00	14.98	559307.80	0.21	0.00	0.35	5.09	
20-04-22 3:00	14.99	558977.80	0.27	0.00	0.35	5.18	
20-04-22 4:00	14.97	558932.30	0.05	0.00	0.35	5.57	
20-04-22 5:00	14.99	558784.40	0.16	0.00	0.35	5.59	
20-04-22 6:00	15.02	559026.30	1.13	0.00	0.35	5.21	
20-04-22 7:00	15.04	558261.10	1.98	0.00	0.36	4.70	
20-04-22 8:00	15.02	560621.90	1.46	0.00	0.35	4.98	
20-04-22 9:00	15.15	534345.80	13.11	0.00	0.36	11.86	
20-04-22 10:00	15.01	539670.90	14.52	0.00	0.35	5.10	
20-04-22 11:00	15.02	526013.90	18.85	0.00	0.35	4.65	
20-04-22 12:00	15.02	512406.30	30.16	0.00	0.35	4.65	
20-04-22 13:00	14.84	533307.20	13.84	0.00	0.34	3.56	
20-04-22 14:00	14.84	533307.20	<Samp	<Samp	<Samp	<Samp	
20-04-22 15:00	14.80	537542.10	12.04	0.00	0.34	3.48	
20-04-22 16:00	14.82	536497.80	12.51	0.00	0.34	3.24	
20-04-22 17:00	14.89	533738.90	12.40	0.00	0.35	3.56	
20-04-22 18:00	15.04	515143.30	31.40	0.00	0.36	4.51	
20-04-22 19:00	15.10	513054.80	22.09	0.00	0.36	4.68	
20-04-22 20:00	15.11	515728.70	21.83	0.00	0.36	4.79	
20-04-22 21:00	15.13	517592.00	22.15	0.00	0.36	4.83	
20-04-22 22:00	15.12	522914.80	21.07	0.00	0.36	5.45	
20-04-22 23:00	14.99	554150.30	4.33	0.00	0.35	7.67	
21-04-22 0:00	14.92	564194.60	0.11	0.00	0.35	7.36	
21-04-22 1:00	14.93	566145.80	0.14	0.00	0.35	5.42	
21-04-22 2:00	14.93	566231.20	0.01	0.00	0.35	5.40	
21-04-22 3:00	14.94	566868.30	0.08	0.00	0.35	6.36	
21-04-22 4:00	14.95	567687.50	0.05	0.00	0.35	6.24	
21-04-22 5:00	14.96	567539.60	0.42	0.00	0.35	5.60	
21-04-22 6:00	14.96	566994.60	0.25	0.00	0.35	5.42	
21-04-22 7:00	14.96	559984.80	0.15	0.00	0.35	5.53	
21-04-22 8:00	14.93	561674.40	0.05	0.00	0.35	4.28	
21-04-22 9:00	15.06	533271.10	13.78	0.00	0.36	7.42	
21-04-22 10:00	14.91	534233.60	13.81	0.00	0.35	3.53	
21-04-22 11:00	14.85	538501.20	12.51	0.00	0.34	3.50	
21-04-22 12:00	14.85	526937.30	14.09	0.00	0.34	2.77	
21-04-22 13:00	14.79	536779.80	11.41	0.00	0.34	3.30	
21-04-22 14:00	14.77	543560.90	9.44	0.00	0.34	2.94	
21-04-22 15:00	14.79	539681.10	11.84	0.00	0.34	3.24	
21-04-22 16:00	14.98	528990.60	20.65	0.00	0.36	5.46	
21-04-22 17:00	14.97	539595.90	15.44	0.00	0.35	5.40	
21-04-22 18:00	14.98	533960.70	13.30	0.00	0.35	5.98	
21-04-22 19:00	14.97	536501.10	10.94	0.00	0.35	7.19	
21-04-22 20:00	14.96	541848.60	10.31	0.00	0.35	5.76	
21-04-22 21:00	14.97	542423.20	10.91	0.00	0.35	5.05	
21-04-22 22:00	15.01	540631.20	8.21	0.00	0.35	6.13	
21-04-22 23:00	14.98	551439.60	5.89	0.00	0.35	8.16	
22-04-22 0:00	14.91	558591.00	0.05	0.00	0.35	5.90	
22-04-22 1:00	14.91	561742.60	0.16	0.00	0.35	5.76	
22-04-22 2:00	14.91	561828.00	0.37	0.00	0.35	5.62	
22-04-22 3:00	14.91	562362.80	0.32	0.00	0.35	5.78	
22-04-22 4:00	14.92	561270.40	0.65	0.00	0.35	5.72	
22-04-22 5:00	14.93	559871.00	0.97	0.00	0.35	5.62	
22-04-22 6:00	14.95	560195.30	0.96	0.00	0.35	5.47	
22-04-22 7:00	14.95	557697.80	0.73	0.00	0.35	5.47	
22-04-22 8:00	14.92	560280.60	0.23	0.00	0.35	4.31	
22-04-22 9:00	15.04	531342.40	14.01	0.00	0.36	7.54	
22-04-22 10:00	14.95	530892.30	15.69	0.00	0.35	4.21	
22-04-22 11:00	14.90	536125.60	12.91	0.00	0.35	3.59	
22-04-22 12:00	14.99	517611.20	28.25	0.00	0.36	5.49	
22-04-22 13:00	14.81	539362.60	11.24	0.00	0.34	3.34	
22-04-22 14:00	14.80	540443.40	11.53	0.00	0.34	3.16	
22-04-22 15:00	14.81	542002.20	11.63	0.00	0.34	2.82	
22-04-22 16:00	14.85	538008.60	11.92	0.00	0.34	3.34	
22-04-22 17:00	15.05	505486.60	27.19	0.00	0.36	5.97	
22-04-22 18:00	15.07	508569.10	38.21	0.00	0.36	4.48	
22-04-22 19:00	15.10	514178.40	20.46	0.00	0.36	4.82	
22-04-22 20:00	15.14	520150.10	21.01	0.00	0.36	5.71	
22-04-22 21:00	15.14	526405.60	22.18	0.00	0.36	5.82	
22-04-22 22:00	15.12	531670.70	19.21	0.00	0.36	6.60	
22-04-22 23:00	15.03	553621.30	9.15	0.00	0.36	6.94	
23-04-22 0:00	14.98	560786.90	0.16	0.00	0.35	5.87	
23-04-22 1:00	14.97	562630.10	0.07	0.00	0.35	5.83	
23-04-22 2:00	14.97	560747.10	0.55	0.00	0.35	5.43	
23-04-22 3:00	14.97	561537.80	0.42	0.00	0.36	5.55	
23-04-22 4:00	14.97	561668.70	0.65	0.00	0.35	5.58	
23-04-22 5:00	14.97	560371.60	0.74	0.00	0.35	6.18	
23-04-22 6:00	14.98	559518.30	0.53	0.00	0.35	5.85	
23-04-22 7:00	14.97	557846.60	0.22	0.00	0.35	4.79	
23-04-22 8:00	14.95	559834.90	0.00	0.00	0.35	4.34	
23-04-22 9:00	15.07	527689.80	13.97	0.00	0.36	8.34	

23-04-22 10:00	15.07	511791.80	32.97	0.00	0.36	4.83	
23-04-22 11:00	15.06	509650.00	38.68	0.00	0.36	4.69	
23-04-22 12:00	15.03	505633.60	37.63	0.00	0.35	4.22	
23-04-22 13:00	14.88	525079.20	16.11	0.01	0.35	3.32	
23-04-22 14:00	14.84	528764.00	12.52	0.02	0.34	2.99	
23-04-22 15:00	14.82	529296.00	11.83	0.03	0.34	3.22	
23-04-22 16:00	14.89	521279.90	22.63	0.06	0.35	3.70	
23-04-22 17:00	14.91	525732.30	19.08	0.04	0.35	3.87	
23-04-22 18:00	14.93	526402.30	14.99	0.01	0.35	3.95	
23-04-22 19:00	14.95	529389.80	13.13	0.00	0.35	4.78	
23-04-22 20:00	14.96	530140.60	12.30	0.00	0.35	5.43	
23-04-22 21:00	15.01	528655.70	10.65	0.00	0.35	7.20	
23-04-22 22:00	15.07	525936.90	17.06	0.00	0.36	7.21	
23-04-22 23:00	14.96	557909.10	8.41	0.00	0.35	7.41	
24-04-22 0:00	14.85	572329.70	0.00	0.00	0.34	6.59	
24-04-22 1:00	14.83	575361.80	0.00	0.00	0.34	6.57	
24-04-22 2:00	14.83	574201.30	0.00	0.00	0.34	6.70	
24-04-22 3:00	14.82	576198.10	0.00	0.00	0.34	6.83	
24-04-22 4:00	14.83	576300.50	0.00	0.00	0.34	6.75	
24-04-22 5:00	14.83	577028.70	0.00	0.00	0.34	6.87	
24-04-22 6:00	14.85	576840.90	0.00	0.00	0.34	6.90	
24-04-22 7:00	14.86	572591.40	0.00	0.00	0.35	6.67	
24-04-22 8:00	14.87	566640.80	0.00	0.00	0.35	6.16	
24-04-22 9:00	14.82	562163.60	0.00	0.00	0.34	5.68	
24-04-22 10:00	14.75	556645.40	0.00	0.00	0.34	4.93	
24-04-22 11:00	14.74	556719.40	0.00	0.00	0.34	4.39	
24-04-22 12:00	14.73	555388.10	0.00	0.00	0.34	4.13	
24-04-22 13:00	14.72	553840.80	0.00	0.00	0.34	4.23	
24-04-22 14:00	14.72	552606.30	0.67	0.00	0.34	3.95	
24-04-22 15:00	14.72	552236.50	0.09	0.00	0.34	3.73	
24-04-22 16:00	14.72	554347.10	0.00	0.01	0.34	3.79	
24-04-22 17:00	14.73	557299.60	0.00	0.01	0.34	3.89	
24-04-22 18:00	14.96	514618.80	23.10	0.04	0.35	4.92	
24-04-22 19:00	15.11	486191.80	31.99	1.20	0.70	14.03	
24-04-22 20:00	15.15	495444.80	28.40	0.05	0.36	4.91	
24-04-22 21:00	15.17	488571.20	29.93	0.01	0.35	3.37	
24-04-22 22:00	15.26	481925.30	25.35	0.11	1.11	10.22	
24-04-22 23:00	21.26	32790.81	2.58	4.70	1.88	213.80	
25-04-22 0:00	21.80	24055.08	0.00	0.00	0.00	0.00	Shut down
25-04-22 1:00	21.80	16754.53	0.00	0.00	0.00	0.00	Shut down
25-04-22 2:00	21.80	14318.01	0.00	0.00	0.00	0.00	Shut down
25-04-22 3:00	21.80	14694.99	0.00	0.00	0.00	0.00	Shut down
25-04-22 4:00	21.82	11460.76	0.00	0.00	0.00	0.00	Shut down
25-04-22 5:00	21.83	9945.12	0.00	0.00	0.00	0.00	Shut down
25-04-22 6:00	21.85	12507.86	0.00	0.00	0.00	0.00	Shut down
25-04-22 7:00	21.86	16416.24	0.00	0.00	0.00	0.00	Shut down
25-04-22 8:00	21.85	16054.44	0.00	0.00	0.00	0.00	Shut down
25-04-22 9:00	16.62	388695.40	30.54	5.40	7.35	205.95	
25-04-22 10:00	14.87	537064.30	13.59	0.00	0.35	2.57	
25-04-22 11:00	14.86	538657.10	13.61	0.00	0.35	2.54	
25-04-22 12:00	14.86	529364.20	14.41	0.00	0.34	2.36	
25-04-22 13:00	14.77	548237.20	9.79	0.00	0.34	2.40	
25-04-22 14:00	14.76	549733.40	11.95	0.01	0.34	2.08	
25-04-22 15:00	14.75	550677.80	9.55	0.02	0.34	2.01	
25-04-22 16:00	14.76	543157.10	12.51	0.03	0.34	2.65	
25-04-22 17:00	14.82	531250.20	13.84	0.03	0.34	2.72	
25-04-22 18:00	14.82	530670.90	16.45	0.03	0.34	2.72	
25-04-22 19:00	14.78	560707.30	0.79	0.01	0.34	2.80	
25-04-22 20:00	14.79	567397.40	0.16	0.00	0.34	3.92	
25-04-22 21:00	14.85	563620.00	0.26	0.00	0.34	2.94	
25-04-22 22:00	14.86	557862.80	1.72	0.00	0.35	3.32	
25-04-22 23:00	14.91	543680.40	1.72	0.00	0.35	3.32	
26-04-22 0:00	14.95	541643.10	1.72	0.00	0.35	3.32	
26-04-22 1:00	20.90	52579.95	1.72	0.00	0.35	3.32	
26-04-22 2:00	21.80	13800.84	0.00	0.00	0.00	0.00	Shut down
26-04-22 3:00	21.82	11855.69	0.00	0.00	0.00	0.00	Shut down
26-04-22 4:00	21.82	14656.07	0.00	0.00	0.00	0.00	Shut down
26-04-22 5:00	21.83	11711.48	0.00	0.00	0.00	0.00	Shut down
26-04-22 6:00	21.85	13586.65	0.00	0.00	0.00	0.00	Shut down
26-04-22 7:00	21.85	13507.80	0.00	0.00	0.00	0.00	Shut down
26-04-22 8:00	21.84	15544.78	0.00	0.00	0.00	0.00	Shut down
26-04-22 9:00	16.75	376977.60	28.53	5.30	7.20	186.60	
26-04-22 10:00	14.86	539863.20	13.68	0.00	0.35	2.36	
26-04-22 11:00	14.84	541274.00	13.78	0.00	0.34	2.31	
26-04-22 12:00	14.81	529168.00	13.90	0.00	0.34	2.33	
26-04-22 13:00	14.78	552646.10	6.52	0.00	0.34	2.02	
26-04-22 14:00	14.74	555974.10	4.23	0.01	0.34	2.43	
26-04-22 15:00	14.74	557464.60	2.58	0.02	0.34	2.53	
26-04-22 16:00	14.76	550131.60	6.75	0.01	0.34	3.06	
26-04-22 17:00	14.85	524782.80	15.03	0.03	0.34	2.84	
26-04-22 18:00	14.98	510561.00	33.58	0.02	0.35	3.37	
26-04-22 19:00	15.03	506865.30	39.31	0.00	0.36	3.59	
26-04-22 20:00	15.04	511991.00	23.62	0.01	0.36	3.87	
26-04-22 21:00	15.07	518263.30	23.08	0.00	0.36	4.21	
26-04-22 22:00	15.07	521767.70	23.94	0.00	0.37	4.27	
26-04-22 23:00	17.66	300478.80	12.42	5.20	2.90	218.56	
27-04-22 0:00	21.81	13687.16	0.00	0.00	0.00	0.00	Shut down
27-04-22 1:00	21.81	20186.77	0.00	0.00	0.00	0.00	Shut down
27-04-22 2:00	21.82	18939.52	0.00	0.00	0.00	0.00	Shut down
27-04-22 3:00	21.82	20893.07	0.00	0.00	0.00	0.00	Shut down
27-04-22 4:00	21.83	17413.45	0.00	0.00	0.00	0.00	Shut down

27-04-22 5:00	21.84	16286.52	0.00	0.00	0.00	0.00	Shut down
27-04-22 6:00	21.85	13337.43	0.00	0.00	0.00	0.00	Shut down
27-04-22 7:00	21.86	20195.51	0.00	0.00	0.00	0.00	Shut down
27-04-22 8:00	21.84	14453.33	0.00	0.00	0.00	0.00	Shut down
27-04-22 9:00	16.50	395813.40	32.17	5.60	7.49	183.89	
27-04-22 10:00	14.51	543396.00	11.44	0.75	0.33	1.52	
27-04-22 11:00	14.61	543396.00	11.44	0.75	0.33	1.52	
27-04-22 12:00	14.67	528655.50	11.92	0.69	0.33	1.97	
27-04-22 13:00	14.60	550182.80	5.65	0.69	0.33	1.46	
27-04-22 14:00	14.56	554728.30	3.90	0.67	0.33	1.91	
27-04-22 15:00	14.58	552037.40	5.71	0.70	0.33	1.73	
27-04-22 16:00	14.57	552708.70	4.00	0.80	0.33	1.91	
27-04-22 17:00	14.65	527435.30	12.31	0.82	0.33	1.87	
27-04-22 18:00	14.70	520962.40	15.43	0.81	0.34	1.98	
27-04-22 19:00	14.81	510187.60	21.91	0.85	0.34	2.92	
27-04-22 20:00	14.72	531086.50	12.61	0.66	0.34	2.54	
27-04-22 21:00	14.72	540194.90	9.86	0.49	0.34	2.96	
27-04-22 22:00	14.88	513936.60	20.76	0.47	0.35	3.29	
27-04-22 23:00	14.78	539419.00	11.20	0.38	0.34	3.07	
28-04-22 0:00	14.68	556508.90	0.00	0.36	0.34	2.41	
28-04-22 1:00	14.69	556787.60	0.00	0.34	0.34	2.48	
28-04-22 2:00	14.71	557049.30	0.00	0.22	0.34	2.72	
28-04-22 3:00	14.72	558067.60	0.00	0.16	0.34	2.82	
28-04-22 4:00	14.72	558482.90	0.03	0.18	0.34	3.16	
28-04-22 5:00	14.73	558027.80	0.15	0.18	0.34	3.28	
28-04-22 6:00	14.74	556230.10	0.02	0.14	0.34	3.49	
28-04-22 7:00	14.74	555132.10	0.00	0.12	0.34	3.14	
28-04-22 8:00	14.69	559211.10	0.00	0.09	0.34	3.16	
28-04-22 9:00	14.75	535310.10	11.27	0.25	0.34	3.65	
28-04-22 10:00	14.66	544795.40	11.88	0.37	0.33	2.71	
28-04-22 11:00	14.62	548333.90	9.08	0.52	0.33	1.50	
28-04-22 12:00	14.65	529620.10	12.34	0.62	0.33	1.81	
28-04-22 13:00	14.59	553220.70	4.76	0.66	0.33	1.73	
28-04-22 14:00	14.59	549505.80	7.61	0.70	0.33	1.50	
28-04-22 15:00	15.07	474623.20	17.26	1.25	0.73	14.12	
28-04-22 16:00	14.67	543970.10	9.10	0.63	0.33	3.33	
28-04-22 17:00	14.66	548424.90	6.99	0.50	0.33	2.74	
28-04-22 18:00	14.79	538145.10	12.45	0.64	0.34	4.36	
28-04-22 19:00	14.95	528516.50	19.64	0.71	0.35	5.68	
28-04-22 20:00	14.96	534762.90	21.62	0.71	0.35	3.28	
28-04-22 21:00	15.05	525967.70	18.39	0.85	1.34	8.57	
28-04-22 22:00	15.77	416693.50	15.30	1.27	10.92	34.60	
28-04-22 23:00	14.89	548722.80	7.63	0.71	0.35	6.30	
29-04-22 0:00	14.82	556901.40	3.04	0.75	0.34	3.11	
29-04-22 1:00	14.81	554321.30	3.61	0.84	0.34	2.79	
29-04-22 2:00	14.81	554785.10	3.68	0.86	0.34	2.89	
29-04-22 3:00	14.81	554916.00	3.22	0.89	0.34	3.11	
29-04-22 4:00	14.83	554199.20	3.63	0.99	0.34	2.95	
29-04-22 5:00	14.84	554085.40	3.98	1.01	0.34	3.22	
29-04-22 6:00	14.83	553874.80	3.88	1.08	0.34	2.96	
29-04-22 7:00	14.84	552048.80	3.89	1.03	0.34	2.96	
29-04-22 8:00	14.82	556326.80	3.42	0.90	0.34	3.00	
29-04-22 9:00	14.95	533252.90	15.06	0.82	0.35	6.61	
29-04-22 10:00	14.79	553800.90	5.65	0.50	0.34	2.85	
29-04-22 11:00	14.74	542633.20	8.58	0.37	0.34	3.02	
29-04-22 12:00	14.81	510060.20	30.77	0.56	0.34	3.32	
29-04-22 13:00	14.62	532711.50	14.90	0.61	0.33	2.26	
29-04-22 14:00	14.59	534083.30	13.20	0.65	0.33	2.11	
29-04-22 15:00	14.60	532109.20	13.65	0.67	0.33	2.22	
29-04-22 16:00	14.62	528893.70	14.14	0.67	0.33	2.18	
29-04-22 17:00	14.79	504487.30	37.81	0.74	0.34	2.85	
29-04-22 18:00	14.81	509439.50	31.94	0.78	0.34	2.98	
29-04-22 19:00	14.86	516749.80	21.90	0.76	0.34	3.33	
29-04-22 20:00	14.88	521154.80	22.54	0.49	0.35	3.53	
29-04-22 21:00	14.91	523812.40	23.39	0.42	0.35	3.73	
29-04-22 22:00	14.94	522407.60	23.11	0.28	0.35	3.82	
29-04-22 23:00	14.83	546727.10	7.32	0.21	0.34	4.70	
30-04-22 0:00	14.74	554842.00	1.39	0.22	0.34	2.86	
30-04-22 1:00	14.73	556616.90	1.45	0.28	0.34	3.14	
30-04-22 2:00	14.72	551951.40	1.51	0.32	0.34	3.22	
30-04-22 3:00	14.73	558101.80	1.70	0.36	0.34	3.31	
30-04-22 4:00	14.74	556582.80	1.95	0.31	0.34	3.22	
30-04-22 5:00	14.74	554853.40	1.63	0.30	0.34	3.10	
30-04-22 6:00	14.76	552862.30	1.85	0.35	0.34	3.04	
30-04-22 7:00	14.77	552976.10	2.12	0.37	0.34	2.05	
30-04-22 8:00	14.75	554910.30	1.50	0.25	0.34	2.65	
30-04-22 9:00	14.81	530571.40	13.58	0.31	0.34	3.29	
30-04-22 10:00	14.85	508421.20	32.39	0.43	0.34	3.09	
30-04-22 11:00	14.83	509169.30	32.87	0.57	0.34	2.66	
30-04-22 12:00	14.85	504721.20	39.22	0.68	0.34	2.63	
30-04-22 13:00	14.82	503816.00	40.11	0.75	0.34	2.35	
30-04-22 14:00	14.80	499631.80	39.51	0.81	0.34	2.25	
30-04-22 15:00	14.80	498440.00	39.24	0.86	0.34	2.24	
30-04-22 16:00	14.79	506740.10	33.85	0.84	0.34	3.03	
30-04-22 17:00	14.88	501486.40	32.27	0.83	0.35	4.36	
30-04-22 18:00	14.95	499088.60	27.93	0.75	0.35	6.55	
30-04-22 19:00	14.98	504143.20	31.20	0.59	0.35	5.61	
30-04-22 20:00	14.96	509391.20	31.42	0.44	0.35	4.67	
30-04-22 21:00	14.97	509371.20	30.51	0.37	0.35	5.04	
30-04-22 22:00	15.09	509200.60	27.63	0.47	0.36	9.37	
30-04-22 23:00	14.85	549122.50	8.65	0.27	0.34	6.21	

Minimum	14.52	391.15	0.01	0.01	0.33	1.46	
Maximum	21.86	595,080.60	55.52	5.70	15.29	687.43	
Avg	16.96	374,149.06	20.27	0.70	0.70	12.88	
SUM							
STD			STD = 60.120	STD = 6.20	STD = 28.60	STD = 690	

Site Name: GULF_NRV1
Stack Name: HRSG_STACK1
Periodically: 01/05/2020 00:00-31/05/2020 23:59

Date & Time	O2	Emission Concentration for Standardization Comparison					Remark
		FLOW @1 ATM	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2	
		25C m3/hr	ppm	ppm	mg/m3	ppm	
01-05-22 0:00	14.67	574366.3	0	0.22	0.33	4.31	
01-05-22 1:00	14.67	579184.8	0	0.33	0.33	4.38	
01-05-22 2:00	14.65	579315.6	0	0.47	0.33	4.52	
01-05-22 3:00	14.65	579213.2	0	0.55	0.33	4.59	
01-05-22 4:00	14.64	578712.6	0	0.62	0.33	4.62	
01-05-22 5:00	14.64	578109.60	0	0.63	0.33	4.64	
01-05-22 6:00	14.65	575,600.80	0	0.57	0.33	4.61	
01-05-22 7:00	14.65	573,376.40	0	0.63	0.33	4.74	
01-05-22 8:00	14.66	568,313.30	0	0.46	0.33	4.32	
01-05-22 9:00	14.66	565,446.10	0	0.27	0.33	4.04	
01-05-22 10:00	14.61	560,155.40	0	0.23	0.33	3.71	
01-05-22 11:00	14.57	554,944.40	0	0.33	0.33	3.28	
01-05-22 12:00	14.52	552,651.80	0	0.49	0.33	3.1	
01-05-22 13:00	14.50	550,603.80	0	0.58	0.33	2.89	
01-05-22 14:00	14.49	550,279.50	0	0.66	0.33	2.84	
01-05-22 15:00	14.50	550,689.10	0	0.65	0.33	2.81	
01-05-22 16:00	14.50	550,199.90	0	0.67	0.33	2.7	
01-05-22 17:00	14.62	537,890.10	7.35	0.74	0.33	3.37	
01-05-22 18:00	14.97	483598.3	24.74	0.83	0.35	4.81	
01-05-22 19:00	15.03	472623.8	27.61	0.69	0.36	3.32	
01-05-22 20:00	15.05	472925.4	28.33	0.56	0.36	3.11	
01-05-22 21:00	15.09	472103.3	28.81	0.46	0.36	3.12	
01-05-22 22:00	15.11	469944.4	28.62	0.56	0.36	3.32	
01-05-22 23:00	14.95	534279.5	9.68	0.69	0.35	7.92	
02-05-22 0:00	14.7	576664.6	0	0.65	0.34	4.63	
02-05-22 1:00	14.72	580538.8	0	0.75	0.34	4.52	
02-05-22 2:00	14.72	581949.6	0	1	0.34	4.59	
02-05-22 3:00	14.74	583047.5	0.32	1.13	0.34	4.17	
02-05-22 4:00	14.72	584037.4	0	1.22	0.34	4.67	
02-05-22 5:00	14.73	584799.7	0	1.27	0.34	4.65	
02-05-22 6:00	14.75	584776.9	0.02	1.34	0.34	4.46	
02-05-22 7:00	14.77	584230.8	0	1.29	0.34	4.48	
02-05-22 8:00	14.78	584293.4	0	1.24	0.34	4.77	
02-05-22 9:00	14.79	584196.7	0	1.27	0.34	4.83	
02-05-22 10:00	14.78	582393.3	0	1.26	0.34	4.74	
02-05-22 11:00	14.78	582768.8	0	1.19	0.34	4.63	
02-05-22 12:00	14.77	582809.8	0	1.22	0.34	4.59	
02-05-22 13:00	14.76	582034.9	0	1.16	0.34	4.53	
02-05-22 14:00	14.74	583235.3	0	1.18	0.34	4.46	
02-05-22 15:00	14.74	583855.4	0	1.18	0.34	4.42	
02-05-22 16:00	14.74	584128.4	0	1.1	0.34	4.5	
02-05-22 17:00	14.74	586026.5	0	1.13	0.34	4.6	
02-05-22 18:00	14.75	587069.6	0	1.18	0.34	4.67	
02-05-22 19:00	14.76	586722.6	0	1.17	0.34	4.66	
02-05-22 20:00	14.78	588958.3	0	1.25	0.34	4.63	
02-05-22 21:00	14.8	589350.8	0	1.24	0.34	4.77	
02-05-22 22:00	14.8	586944.4	0	1.26	0.34	4.9	
02-05-22 23:00	14.79	587217.5	0	1.3	0.34	4.97	
03-05-22 0:00	14.79	586745.3	0	1.34	0.34	4.99	
03-05-22 1:00	14.79	586216.3	0	1.34	0.34	4.92	
03-05-22 2:00	14.78	588144.8	0	1.32	0.34	5.01	
03-05-22 3:00	14.78	588998.1	0	1.34	0.34	5.08	
03-05-22 4:00	14.78	588935.5	0	1.36	0.34	5.04	
03-05-22 5:00	14.79	588884.3	0	1.33	0.34	5.08	
03-05-22 6:00	14.79	590118.8	0	1.27	0.34	5.17	
03-05-22 7:00	14.83	588115.8	2.09	1.2	0.34	5.04	
03-05-22 8:00	15.12	542695.8	13.04	1.33	0.36	8.08	
03-05-22 9:00	15.17	534561.1	19.18	1.28	0.36	6.99	
03-05-22 10:00	15.16	534245.4	19.8	1.15	0.36	6.83	
03-05-22 11:00	15.16	532603.8	17.97	0.98	0.36	7.58	
03-05-22 12:00	15.11	542371.6	19.5	1.04	0.36	5.74	
03-05-22 13:00	15.08	542590.5	16.5	1.08	0.36	5.74	
03-05-22 14:00	15.13	534242.6	13.52	1.2	0.36	9.47	
03-05-22 15:00	15.03	554136.6	15.11	1.3	0.36	4.09	
03-05-22 16:00	15.04	553926.1	13.15	1.35	0.36	4.44	
03-05-22 17:00	15.05	553969.2	13.15	1.4	0.36	5.1	
03-05-22 18:00	15.05	558101.6	9.93	1.48	0.36	4.53	
03-05-22 19:00	15.05	558175.7	10.39	1.52	0.36	4.42	
03-05-22 20:00	15.06	553778.2	13.71	1.5	0.36	5.18	
03-05-22 21:00	15.07	553163.8	10.03	1.53	0.36	5.12	
03-05-22 22:00	15.08	556258.6	10.91	1.55	0.36	4.9	
03-05-22 23:00	15.15	530900.6	13.01	1.76	0.36	11.71	
04-05-22 0:00	15.39	444364.3	17.86	1.96	0.43	12.06	
04-05-22 1:00	15.35	440774.6	22.27	1.78	0.43	6.36	
04-05-22 2:00	15.33	446577.3	23.99	1.82	0.58	5.15	
04-05-22 3:00	15.41	439198.8	18.78	1.82	1.55	9.55	
04-05-22 4:00	15.4	436408.4	20.45	1.96	1.56	7.56	
04-05-22 5:00	15.41	439201.6	20.92	1.66	0.85	7.68	
04-05-22 6:00	15.39	440200	22.98	1.54	1.11	5.65	
04-05-22 7:00	15.45	439884.3	17.69	1.77	1.66	21.1	
04-05-22 8:00	15.2	538796.2	5.24	1.58	0.37	18.04	
04-05-22 9:00	15.18	538359.8	8.86	1.43	0.36	13.62	
04-05-22 10:00	15.15	537365.8	12.3	1.35	0.36	11.27	

04-05-22 11:00	15.14	536193.8	15.02	1.27	0.36	9.19
04-05-22 12:00	15.17	525903.7	11.04	1.28	0.36	12.63
04-05-22 13:00	15.02	542588.1	22.79	1.01	0.35	4.37
04-05-22 14:00	14.99	542952.3	24.2	0.9	0.35	3.72
04-05-22 15:00	14.95	544789.8	19.62	0.86	0.35	3.67
04-05-22 16:00	14.88	543862.4	12.48	0.67	0.35	4.29
04-05-22 17:00	15.03	527446.7	13.66	0.67	0.35	7.48
04-05-22 18:00	15.08	521659.2	11.7	0.73	0.36	10.88
04-05-22 19:00	15.05	515957.2	16.85	0.75	0.36	7.31
04-05-22 20:00	15.03	527695.6	17.55	0.75	0.36	6.09
04-05-22 21:00	15.06	533827.3	13.73	0.77	0.36	8.44
04-05-22 22:00	15.06	526486.4	16.87	0.75	0.36	7.43
04-05-22 23:00	15.1	498906.7	18.02	0.78	1.25	7.66
05-05-22 0:00	15.3	450963.4	18.86	0.96	0.4	9.81
05-05-22 1:00	15.32	442506.9	17.32	1.1	1.01	9.28
05-05-22 2:00	15.29	443889.3	19.84	1.23	0.42	6.77
05-05-22 3:00	15.31	440032.2	17.72	1.44	0.63	8.78
05-05-22 4:00	15.28	448943.8	18.87	1.44	0.37	7.42
05-05-22 5:00	15.36	434661.9	13.17	1.62	4.9	15.46
05-05-22 6:00	15.28	445226.2	19.93	1.47	0.62	6.25
05-05-22 7:00	15.32	448884.1	16.43	1.63	1.12	13.96
05-05-22 8:00	14.88	545218.9	9.35	1.24	0.35	6.81
05-05-22 9:00	14.82	545500.9	12.38	0.89	0.34	3.58
05-05-22 10:00	14.8	550956.5	5.1	0.6	0.34	3.65
05-05-22 11:00	14.76	553141.1	4.23	0.36	0.34	3.33
05-05-22 12:00	14.7	541057.8	12	0.46	0.34	2.78
05-05-22 13:00	14.65	536927.7	10.15	0.43	0.33	2.37
05-05-22 14:00	14.62	530738.2	12.56	0.52	0.33	2.33
05-05-22 15:00	14.64	530823.5	12.51	0.62	0.33	2.43
05-05-22 16:00	14.68	529455.2	12.72	0.58	0.34	2.51
05-05-22 17:00	14.77	536674.4	11.97	0.53	0.34	3.03
05-05-22 18:00	14.73	539567.4	11.81	0.34	0.34	3.01
05-05-22 19:00	14.76	538734.3	13.71	0.26	0.34	2.95
05-05-22 20:00	14.76	543600.8	10.79	0.26	0.34	3.47
05-05-22 21:00	14.78	539117.9	13.24	0.21	0.34	3.7
05-05-22 22:00	14.9	527281.8	19.32	0.31	0.35	4.81
05-05-22 23:00	14.99	506733.7	17.33	0.58	1.2	12.52
06-05-22 0:00	15.21	448832.9	15.99	0.61	0.37	10.69
06-05-22 1:00	15.24	442805.5	15.18	0.74	0.68	11.93
06-05-22 2:00	15.23	440683.6	16.25	0.6	0.49	9.4
06-05-22 3:00	15.21	444392.8	18.03	0.51	0.37	6.79
06-05-22 4:00	15.22	441016.4	16.78	0.54	0.78	8.01
06-05-22 5:00	15.23	443920.6	16.47	0.5	0.81	8.18
06-05-22 6:00	15.23	444589	16.44	0.52	0.37	7.95
06-05-22 7:00	15.26	445448	14.65	0.52	0.72	11.01
06-05-22 8:00	14.84	54571.1	7.25	0.29	0.34	5.86
06-05-22 9:00	14.74	558545.5	0.23	0.13	0.34	4.29
06-05-22 10:00	14.71	560883.6	1.2	0.06	0.34	3.57
06-05-22 11:00	14.75	527886.6	12.96	0.11	0.34	3.71
06-05-22 12:00	14.79	514135.7	17.71	0.25	0.34	4.03
06-05-22 13:00	14.64	537825.2	8.01	0.33	0.33	3.48
06-05-22 14:00	14.58	540176.1	7.95	0.36	0.33	3.1
06-05-22 15:00	14.58	535926.4	9.66	0.45	0.33	3.14
06-05-22 16:00	14.59	533875.5	9.98	0.48	0.33	3.1
06-05-22 17:00	14.74	516237.4	25.06	0.59	0.34	3.51
06-05-22 18:00	14.82	513911.1	20.62	0.46	0.34	4.26
06-05-22 19:00	14.86	525176.9	15.93	0.37	0.35	4.84
06-05-22 20:00	14.89	537314.6	17.55	0.55	0.35	5.94
06-05-22 21:00	14.92	531369	13.31	0.35	0.35	7.83
06-05-22 22:00	14.96	524998.9	12.63	0.34	0.35	9.05
06-05-22 23:00	14.99	504468.1	13.88	0.37	1.06	10.61
07-05-22 0:00	15.23	447615.5	14.43	0.47	0.48	12.61
07-05-22 1:00	15.2	445800.8	18.36	0.51	0.54	7.31
07-05-22 2:00	15.24	439870.1	16.02	0.59	0.84	9.36
07-05-22 3:00	15.25	436801.5	15.29	0.59	1.71	9.92
07-05-22 4:00	15.22	439915.6	17.32	0.46	0.6	7.07
07-05-22 5:00	15.22	437022.8	17.02	0.42	1.62	7.37
07-05-22 6:00	15.28	430927.2	14.72	0.57	3.92	10.92
07-05-22 7:00	15.28	438564.5	15.35	0.89	1.77	11.88
07-05-22 8:00	14.83	542260.8	11.15	0.3	0.34	5.65
07-05-22 9:00	14.84	54237.6	10.24	0.14	0.34	6.64
07-05-22 10:00	14.87	539135	14.94	0.26	0.35	5.63
07-05-22 11:00	14.79	539467.6	12.29	0.43	0.34	4.85
07-05-22 12:00	14.85	531506	10.94	0.42	0.34	7.03
07-05-22 13:00	14.87	520857.8	17.63	0.27	0.35	5.15
07-05-22 14:00	14.86	520878.7	17.75	0.31	0.35	5.26
07-05-22 15:00	14.72	543959.2	12.56	0.29	0.34	5.32
07-05-22 16:00	14.82	531775.1	14.44	0.41	0.34	6.38
07-05-22 17:00	14.89	509588	28.81	0.4	0.35	4.77
07-05-22 18:00	14.93	506051.8	32.3	0.45	0.35	4.78
07-05-22 19:00	14.91	510843.4	27.73	0.43	0.35	4.4
07-05-22 20:00	14.91	525007.6	16.08	0.4	0.35	6.12
07-05-22 21:00	14.97	523612.6	11.42	0.43	0.35	8.24
07-05-22 22:00	14.93	527665.8	14.21	0.41	0.35	6.84
07-05-22 23:00	14.81	540060.3	6.45	0.42	0.34	6.64
08-05-22 0:00	14.82	527758.0	0	0.43	0.33	5.78
08-05-22 1:00	14.61	578212	0	0.62	0.33	5.99
08-05-22 2:00	14.61	578502.1	0	0.71	0.33	6.18
08-05-22 3:00	14.6	578928.8	0	0.68	0.33	6.11
08-05-22 4:00	14.6	578767.9	0	0.62	0.33	6.18
08-05-22 5:00	14.61	577995.8	0	0.59	0.33	6.12

08-05-22 6:00	14.61	578177.8	0	0.52	0.33	6.13
08-05-22 7:00	14.62	577825.1	0	0.39	0.33	6.12
08-05-22 8:00	14.64	573746.2	0	0.28	0.33	5.9
08-05-22 9:00	14.65	569746.9	0	0.19	0.33	5.78
08-05-22 10:00	14.63	565247	0	0.12	0.33	5.7
08-05-22 11:00	14.6	560925.9	0	0.14	0.33	5.62
08-05-22 12:00	14.57	561321.7	0	0.13	0.33	5.4
08-05-22 13:00	14.51	558852.7	0	0.24	0.33	4.96
08-05-22 14:00	14.48	560934.8	0	0.46	0.32	5.15
08-05-22 15:00	14.53	565269.8	0	0.45	0.33	5.54
08-05-22 16:00	14.53	566949.9	0	0.42	0.33	5.12
08-05-22 17:00	14.61	551632.5	3.84	0.39	0.33	5.24
08-05-22 18:00	14.96	491810.5	22.63	0.49	0.35	6.97
08-05-22 19:00	15.01	479262.8	28.07	0.33	0.35	3.72
08-05-22 20:00	15.03	478873.1	28.85	0.3	0.36	3.57
08-05-22 21:00	15.04	478659.2	28.53	0.24	0.36	3.62
08-05-22 22:00	15.04	479294.1	28.52	0.29	0.36	3.69
08-05-22 23:00	14.86	535440.2	9.47	0.29	0.35	7.95
09-05-22 0:00	14.64	570844.9	0	0.22	0.33	6.28
09-05-22 1:00	14.63	574002.2	0	0.24	0.33	6.49
09-05-22 2:00	14.62	575970.6	0	0.25	0.33	6.39
09-05-22 3:00	14.61	575111.5	0	0.31	0.33	6.59
09-05-22 4:00	14.6	575003.4	0	0.3	0.33	6.85
09-05-22 5:00	14.61	575344.8	0	0.32	0.33	6.78
09-05-22 6:00	14.63	577250.6	0	0.35	0.33	7.06
09-05-22 7:00	14.63	578231.1	0	0.43	0.33	7.43
09-05-22 8:00	14.75	546481.8	7.02	0.29	0.34	5.96
09-05-22 9:00	14.68	559831.2	0	0.15	0.34	3.71
09-05-22 10:00	14.65	558619.4	1.77	0.13	0.33	4.18
09-05-22 11:00	14.65	530459.1	10.43	0.22	0.33	3.67
09-05-22 12:00	14.65	515241	20.55	0.46	0.34	4.16
09-05-22 13:00	14.78	524571.8	17.39	0.63	0.34	4.87
09-05-22 14:00	14.8	527646.6	16.29	0.53	0.34	4.52
09-05-22 15:00	14.7	531728.1	11.9	0.33	0.34	3.8
09-05-22 16:00	14.73	528533.9	13.02	0.33	0.34	4.59
09-05-22 17:00	14.85	520452.3	18.02	0.37	0.34	4.91
09-05-22 18:00	14.9	527833.3	16.64	0.51	0.35	6.06
09-05-22 19:00	14.91	528249.2	17.5	0.57	0.35	5.5
09-05-22 20:00	14.79	539567.4	10.41	0.49	0.34	5.79
09-05-22 21:00	14.8	540508.1	6.74	0.48	0.34	6.45
09-05-22 22:00	14.82	543265.1	7.37	0.45	0.34	6.57
09-05-22 23:00	14.97	511382.7	7.87	0.55	1.16	12.58
10-05-22 0:00	15.23	449990.6	15.78	0.68	0.6	13.18
10-05-22 1:00	15.23	447080.8	17.14	0.59	0.91	9.28
10-05-22 2:00	15.22	445462.3	17.71	0.59	0.77	7.7
10-05-22 3:00	15.22	442913.6	18.52	0.71	0.37	6.77
10-05-22 4:00	15.21	446076.7	19.47	0.72	1.07	5.78
10-05-22 5:00	15.26	436647.3	17.35	0.76	4.28	7.78
10-05-22 6:00	15.23	446457.8	20.16	0.74	0.56	5.27
10-05-22 7:00	14.63	444859.2	15.59	0.73	1.23	15.9
10-05-22 8:00	14.77	560499.3	3.16	0.44	0.34	4.57
10-05-22 9:00	14.68	562049.8	1.41	0.22	0.34	2.66
10-05-22 10:00	14.7	535710.3	12.06	0.33	0.34	2.61
10-05-22 11:00	14.67	532146.1	13.51	0.42	0.33	2.47
10-05-22 12:00	14.64	524950.7	14.16	0.53	0.33	2.4
10-05-22 13:00	14.56	533161.7	12.58	0.61	0.33	2.34
10-05-22 14:00	14.56	534822.8	12.42	0.67	0.33	2.45
10-05-22 15:00	14.56	534504.3	12.23	0.67	0.33	2.61
10-05-22 16:00	14.69	528989.1	15.71	0.69	0.34	3.19
10-05-22 17:00	14.83	522311.2	19.88	0.63	0.34	4.1
10-05-22 18:00	14.85	523299.4	20.65	0.62	0.34	3.65
10-05-22 19:00	14.79	531096.1	15.96	0.49	0.34	3.58
10-05-22 20:00	14.75	540255.7	13.52	0.45	0.34	3.61
10-05-22 21:00	14.78	542804.3	12.37	0.44	0.34	3.77
10-05-22 22:00	14.8	543583.7	8.6	0.43	0.34	5
10-05-22 23:00	14.97	507416.4	14.73	0.49	1.2	7.72
11-05-22 0:00	15.19	446833.3	20.65	0.62	0.78	5.93
11-05-22 1:00	15.22	445317.2	18.88	0.64	1.37	7.06
11-05-22 2:00	15.21	443796.9	19.71	0.65	0.6	5.98
11-05-22 3:00	15.23	441605.2	17.46	0.59	1.21	7.46
11-05-22 4:00	15.22	442063.2	17.61	0.64	1.98	7.34
11-05-22 5:00	15.23	440234.2	16.77	0.54	0.89	7.79
11-05-22 6:00	15.23	439619.8	18.17	0.57	1.79	7.04
11-05-22 7:00	15.29	441878.3	14.91	0.58	1.72	12.14
11-05-22 8:00	14.76	555171.6	1.15	0.34	0.59	4.59
11-05-22 9:00	14.73	560286.3	1.2	0.21	0.34	3.01
11-05-22 10:00	14.7	552134.1	6.64	0.14	0.34	2.97
11-05-22 11:00	14.65	534418.2	14.86	0.27	0.33	2.97
11-05-22 12:00	14.75	513274.8	31.56	0.59	0.34	2.41
11-05-22 13:00	14.57	538249.5	15.01	0.63	0.33	2.27
11-05-22 14:00	14.55	536692.1	12.69	0.81	0.33	2.42
11-05-22 15:00	14.57	536910.6	12.84	0.78	0.33	2.32
11-05-22 16:00	14.63	528735.4	15.57	0.78	0.33	3.03
11-05-22 17:00	14.8	519640.3	19.88	0.76	0.34	3.61
11-05-22 18:00	14.87	521835.9	17.81	0.35	0.43	4.43
11-05-22 19:00	14.82	528942.8	18.46	0.68	0.34	3.91
11-05-22 20:00	14.72	542064.6	14.18	0.57	0.34	4
11-05-22 21:00	14.83	531298.1	17.29	0.5	0.34	5.02
11-05-22 22:00	14.77	537436.8	13.69	0.44	0.34	5.13
11-05-22 23:00	14.96	508214.4	17.91	0.53	1.33	8.82
12-05-22 0:00	15.19	444987.2	19.97	0.59	0.43	7.73

12-05-22 1:00	15.18	440282.5	20.91	0.63	0.54	6.06
12-05-22 2:00	15.18	443758.4	20.62	0.64	1	6.47
12-05-22 3:00	15.19	443280.6	20.1	0.63	0.76	6.12
12-05-22 4:00	15.19	445092.5	20.49	0.69	0.74	6.3
12-05-22 5:00	15.21	439696.6	19.62	0.7	0.75	7.15
12-05-22 6:00	15.23	439501	19.24	0.66	1.75	7.36
12-05-22 7:00	15.27	442267.9	15.97	0.67	1.64	13.03
12-05-22 8:00	14.87	531860.1	18.18	0.44	0.35	4.43
12-05-22 9:00	14.74	532398.7	14.89	0.29	0.34	3.2
12-05-22 10:00	14.65	539797.7	13.26	0.37	0.33	2.92
12-05-22 11:00	14.64	533242.1	14.18	0.54	0.33	2.74
12-05-22 12:00	14.83	517682.9	21.61	0.66	0.34	3.47
12-05-22 13:00	14.67	532128.4	13.8	0.4	0.33	3.31
12-05-22 14:00	14.59	535198.3	12.1	0.36	0.33	3.08
12-05-22 15:00	14.56	537001.7	12.24	0.58	0.33	2.8
12-05-22 16:00	14.7	523855.6	17.54	0.65	0.34	3.52
12-05-22 17:00	14.79	516661.6	20.12	0.49	0.34	3.71
12-05-22 18:00	14.81	515014.6	19.98	0.38	0.34	3.72
12-05-22 19:00	14.82	519031.4	20.58	0.42	0.34	3.89
12-05-22 20:00	14.94	522923.3	21.43	0.41	0.34	3.88
12-05-22 21:00	14.86	524034.2	21.97	0.41	0.35	3.95
12-05-22 22:00	14.87	523709.4	21.52	0.36	0.35	3.9
12-05-22 23:00	14.96	506003.6	17.84	0.49	0.93	7.91
13-05-22 0:00	15.17	449893.9	20.12	0.53	0.56	7.43
13-05-22 1:00	15.17	446002.7	19.6	0.56	0.43	6.61
13-05-22 2:00	15.14	447723.6	21.59	0.6	0.14	5.14
13-05-22 3:00	15.17	441625.1	19.2	0.61	0.74	6.93
13-05-22 4:00	15.16	444000.2	20.78	0.63	0.67	5.96
13-05-22 5:00	15.18	436132.5	20.07	0.64	1.17	6.44
13-05-22 6:00	15.18	440180.1	21.03	0.68	0.64	5.82
13-05-22 7:00	15.21	445339.9	19.41	0.67	8.21	8.51
13-05-22 8:00	14.83	530808.4	13.63	0.39	0.34	4.78
13-05-22 9:00	14.69	532424.9	14.43	0.33	0.34	3
13-05-22 10:00	14.61	533594	13.6	0.46	0.33	2.55
13-05-22 11:00	14.59	533281.1	12.91	0.59	0.33	2.38
13-05-22 12:00	14.63	521637.8	16.47	0.78	0.33	2.3
13-05-22 13:00	14.57	535184	11.85	0.81	0.33	2.05
13-05-22 14:00	14.56	540523.1	11.78	0.83	0.33	1.99
13-05-22 15:00	14.54	533986.6	11.75	0.85	0.33	2.43
13-05-22 16:00	14.57	529581.8	13.28	0.88	0.33	2.35
13-05-22 17:00	14.75	505318.4	35.3	1.02	0.34	2.46
13-05-22 18:00	14.79	504444.7	37.8	1.04	0.34	2.55
13-05-22 19:00	14.75	514161.3	19.79	0.87	0.34	3.28
13-05-22 20:00	14.79	519492.7	19.57	0.72	0.34	3.53
13-05-22 21:00	14.82	521894.7	19.89	0.6	0.34	3.68
13-05-22 22:00	14.85	522450.3	19.88	0.56	0.34	3.9
13-05-22 23:00	14.96	503008.3	16.19	0.54	0.92	7.56
14-05-22 0:00	15.19	452229.2	18.03	0.53	0.55	6.93
14-05-22 1:00	15.18	444196.5	19.78	0.53	0.77	6.33
14-05-22 2:00	15.18	441360.6	19.56	0.53	0.99	6.08
14-05-22 3:00	15.21	437588.8	20.42	0.58	0.75	5.77
14-05-22 4:00	15.21	430392.4	18.74	0.54	4.39	6.68
14-05-22 5:00	15.23	423133.4	17.65	0.61	7.87	7.4
14-05-22 6:00	15.25	417618	16.7	0.62	8.25	8.92
14-05-22 7:00	15.28	417791.5	15.38	0.64	8.64	12.36
14-05-22 8:00	14.86	529943.8	6.96	0.36	0.35	6.68
14-05-22 9:00	14.73	529244.8	13.1	0.34	0.34	2.9
14-05-22 10:00	14.67	530598.7	14	0.48	0.33	2.45
14-05-22 11:00	14.62	534376	12.98	0.64	0.33	2.29
14-05-22 12:00	14.64	524585.3	15.01	0.8	0.33	2.24
14-05-22 13:00	14.55	541535.7	12.4	0.78	0.33	2.02
14-05-22 14:00	14.55	544749.9	11.87	0.84	0.33	1.82
14-05-22 15:00	14.57	536233.7	13.42	0.82	0.33	2.59
14-05-22 16:00	14.81	519530.8	19.12	0.86	0.34	4.12
14-05-22 17:00	14.92	499742.8	31.07	0.73	0.35	4.77
14-05-22 18:00	14.9	491769.8	35.44	0.54	0.35	2.98
14-05-22 19:00	14.94	494304.2	35.96	0.47	0.35	2.97
14-05-22 20:00	14.93	501492.1	34.61	0.4	0.35	3.47
14-05-22 21:00	14.94	502749.4	36.43	0.35	0.35	3.19
14-05-22 22:00	14.96	499344.6	35.17	0.37	0.35	3.39
14-05-22 23:00	14.91	517898.7	20.09	0.41	0.35	5.32
15-05-22 0:00	14.63	569644.5	0	0.26	0.33	4.16
15-05-22 1:00	14.6	572204.5	0	0.24	0.33	4.39
15-05-22 2:00	14.6	572073.7	0	0.25	0.33	4.53
15-05-22 3:00	14.6	573074.9	0	0.31	0.33	4.64
15-05-22 4:00	14.6	572232.9	0	0.31	0.33	4.64
15-05-22 5:00	14.59	573126.1	0	0.32	0.33	4.79
15-05-22 6:00	14.61	572409.3	0	0.31	0.33	4.71
15-05-22 7:00	14.63	570840.4	0	0.31	0.33	4.53
15-05-22 8:00	14.64	565275.4	0	0.23	0.33	4.16
15-05-22 9:00	14.6	559006.3	0	0.21	0.33	3.51
15-05-22 10:00	14.54	556679.5	0	0.55	0.33	3.23
15-05-22 11:00	14.5	556190.3	0	0.51	0.33	3.31
15-05-22 12:00	14.49	556702.3	0	0.52	0.33	3.01
15-05-22 13:00	14.49	558903.9	0	0.64	0.33	3.32
15-05-22 14:00	14.51	561298.9	0	0.71	0.33	3.27
15-05-22 15:00	14.58	568415.7	0	0.75	0.33	3.77
15-05-22 16:00	14.6	563500.5	0	0.51	0.33	3.8
15-05-22 17:00	14.69	553327.3	4.44	0.41	0.34	4.49
15-05-22 18:00	15.02	493147.3	22.29	0.51	0.35	6.21
15-05-22 19:00	15.04	482508.3	27.83	0.42	0.36	3.57

15-05-22 20:00	15.06	480212.8	25.98	0.39	0.36	3.92	
15-05-22 21:00	15.07	479786.2	25.83	0.45	0.36	3.92	
15-05-22 22:00	15.06	479789	26.59	0.52	0.36	3.43	
15-05-22 23:00	14.86	539857.9	9.72	0.34	0.35	6.78	
16-05-22 0:00	14.62	575.572.30	0	0.27	0.33	4.5	
16-05-22 1:00	14.60	578.456.60	0	0.28	0.33	4.62	
16-05-22 2:00	14.60	576.738.60	0	0.3	0.33	4.62	
16-05-22 3:00	14.60	578.399.70	0	0.33	0.33	4.73	
16-05-22 4:00	14.59	578.126.60	0	0.39	0.33	4.66	
16-05-22 5:00	14.58	578.735.40	0	0.37	0.33	4.63	
16-05-22 6:00	14.60	577.182.30	0	0.4	0.33	4.77	
16-05-22 7:00	14.60	574.832.80	0	0.3	0.33	4.67	
16-05-22 8:00	14.61	568.125.60	0	0.2	0.33	4.56	
16-05-22 9:00	14.58	563.733.80	0	0.14	0.33	4.2	
16-05-22 10:00	14.53	557.948.10	0	0.25	0.33	3.52	
16-05-22 11:00	14.48	556.989.80	0	0.5	0.32	3.2	
16-05-22 12:00	14.46	559.131.40	0	0.61	0.32	3.05	
16-05-22 13:00	14.45	562.396.90	0	0.64	0.32	3.3	
16-05-22 14:00	14.46	568.404.30	0	0.67	0.32	4.01	
16-05-22 15:00	14.57	576.346.00	0	0.77	0.33	4.47	
16-05-22 16:00	14.59	581.847.20	0	0.79	0.33	4.5	
16-05-22 17:00	14.63	574.770.20	2.29	0.88	0.33	4.62	
16-05-22 18:00	14.94	514117.3	20.73	1.15	0.35	5.9	
16-05-22 19:00	14.97	490807.3	29.13	1.02	0.35	3.04	
16-05-22 20:00	14.86	498964.7	31.87	1.48	0.35	2.86	
16-05-22 21:00	14.99	50075.6	31.15	0.95	0.35	2.93	
16-05-22 22:00	14.99	494873.1	29.91	0.84	0.35	2.93	
16-05-22 23:00	14.83	548277.8	8.95	0.75	0.34	5.07	
17-05-22 0:00	14.61	578433.8	0	0.64	0.33	4.43	
17-05-22 1:00	14.6	581062.1	0	0.88	0.33	4.49	
17-05-22 2:00	14.6	581039.4	0	0.88	0.33	4.48	
17-05-22 3:00	14.6	582592.4	0	0.8	0.33	4.44	
17-05-22 4:00	14.6	581505.8	0	0.78	0.33	4.52	
17-05-22 5:00	14.6	581141.8	0	0.63	0.33	4.59	
17-05-22 6:00	14.61	581153.1	0	0.51	0.33	4.58	
17-05-22 7:00	14.61	582751.7	0	0.52	0.33	4.44	
17-05-22 8:00	14.75	547696.8	7.95	0.52	0.34	3.96	
17-05-22 9:00	14.76	546738.2	4.14	0.48	0.34	3.72	
17-05-22 10:00	14.72	552569.3	3.55	0.33	0.34	3.28	
17-05-22 11:00	14.63	555484.9	1.66	0.33	0.33	2.61	
17-05-22 12:00	14.66	538475.1	9.81	0.35	0.33	2.74	
17-05-22 13:00	14.52	564882.9	0	0.57	0.33	2.74	
17-05-22 14:00	14.6	531269.9	9.34	0.56	0.33	2.44	
17-05-22 15:00	14.59	527688.6	10.15	0.67	0.33	2.27	
17-05-22 16:00	14.64	525090.3	10.26	0.78	0.33	2.5	
17-05-22 17:00	14.83	517158	14.39	0.8	0.34	3.57	
17-05-22 18:00	14.94	522988.8	8.63	0.8	0.35	6.02	
17-05-22 19:00	14.9	526405.3	11.3	0.73	0.35	4.78	
17-05-22 20:00	14.86	533872.8	15.92	0.69	0.35	3.72	
17-05-22 21:00	14.86	534721.5	17.01	0.86	0.35	3.7	
17-05-22 22:00	14.87	531793.1	16.61	0.61	0.35	3.77	
17-05-22 23:00	14.95	511635.5	14.39	0.6	1.04	5.03	
18-05-22 0:00	15.19	448173	18.19	0.7	0.45	5.19	
18-05-22 1:00	15.17	449558.3	18.65	0.7	0.46	4.61	
18-05-22 2:00	15.18	449765.9	17.92	0.69	0.36	5.06	
18-05-22 3:00	15.19	443616.2	19.29	0.8	0.37	4.44	
18-05-22 4:00	15.23	446466.3	18.39	1.2	2.95	5.36	
18-05-22 5:00	15.25	436001.6	17.71	1.37	1.4	5.06	
18-05-22 6:00	15.26	436377.1	18.24	1.41	1.23	4.81	
18-05-22 7:00	15.26	445732.5	17.94	1.33	1.23	4.81	
18-05-22 8:00	14.83	548234	5.09	1.04	0.34	4.46	
18-05-22 9:00	14.75	553331.6	2.33	0.82	0.34	3.42	
18-05-22 10:00	14.85	532185.9	13.11	0.68	0.34	3.57	
18-05-22 11:00	14.84	524606.6	16.8	0.55	0.34	3.37	
18-05-22 12:00	14.8	519000.1	15.76	0.52	0.34	3.29	
18-05-22 13:00	14.73	518039.1	16	0.68	0.34	3	
18-05-22 14:00	14.61	528489.8	11.51	0.7	0.33	2.52	
18-05-22 15:00	14.62	529921.4	10.34	0.75	0.33	2.54	
18-05-22 16:00	14.75	521918.8	14.66	0.66	0.34	3.05	
18-05-22 17:00	14.86	524742.8	12.77	0.66	0.35	4.21	
18-05-22 18:00	14.93	522712.7	10.16	0.92	0.35	5.49	
18-05-22 19:00	14.92	525454.6	11.12	0.97	0.35	4.81	
18-05-22 20:00	14.87	532382.3	15.42	0.98	0.35	3.69	
18-05-22 21:00	14.79	537470.9	11.1	0.78	0.34	4.09	
18-05-22 22:00	14.8	538640.4	6.15	0.48	0.35	4.68	
18-05-22 23:00	14.98	507274.8	12.55	0.86	1.53	5.6	
19-05-22 0:00	15.18	446520.4	18.14	0.83	0.93	4.35	
19-05-22 1:00	15.19	439890	18.74	0.84	1.29	4.03	
19-05-22 2:00	15.19	442487	18.5	0.84	0.86	4.23	
19-05-22 3:00	15.2	440342.3	18.46	0.97	1.15	4.64	
19-05-22 4:00	15.2	444182.3	19.28	0.88	0.7	4.51	
19-05-22 5:00	15.25	433945.1	17.01	0.93	3.83	6.23	
19-05-22 6:00	15.24	431291.2	17.69	0.92	5.52	5.55	
19-05-22 7:00	15.21	438487.7	19.39	0.84	1.11	5.49	
19-05-22 8:00	14.82	540471.4	9.74	0.42	0.34	4.24	
19-05-22 9:00	14.88	525149.7	18.37	0.47	0.35	3.7	
19-05-22 10:00	14.87	521223.1	18.8	0.36	0.35	3.53	
19-05-22 11:00	14.82	518024.5	18.09	0.42	0.34	3.12	
19-05-22 12:00	14.74	514744.5	17.45	0.58	0.34	2.85	
19-05-22 13:00	14.65	529353.7	13.23	0.75	0.33	2.47	
19-05-22 14:00	14.58	535078.8	11.15	0.71	0.33	2.34	

19-05-22 15:00	14.58	533389.2	11.16	0.9	0.33	2.23	
19-05-22 16:00	14.69	523452.6	14.37	0.89	0.34	2.66	
19-05-22 17:00	14.66	536381.1	11.33	0.81	0.33	2.64	
19-05-22 18:00	14.78	526312	14.59	0.64	0.34	3.26	
19-05-22 19:00	14.73	535670.1	10.87	0.55	0.34	3.22	
19-05-22 20:00	14.7	543162.7	10.25	0.4	0.34	3	
19-05-22 21:00	14.7	542460.1	10.42	0.53	0.34	2.92	
19-05-22 22:00	14.72	539430.8	9.2	0.48	0.34	3.15	
19-05-22 23:00	14.91	511920.3	9.89	0.52	1.29	4.68	
20-05-22 0:00	15.15	442873.8	19.18	0.66	0.36	4.44	
20-05-22 1:00	15.14	442478.4	18.99	0.71	0.5	3.94	
20-05-22 2:00	15.13	444520.8	19.64	0.69	0.44	3.74	
20-05-22 3:00	15.15	441467.4	18.53	0.71	1.51	4.19	
20-05-22 4:00	15.15	440609.6	18.44	0.7	1.79	4.26	
20-05-22 5:00	15.16	436197.9	19.25	0.74	1.74	4.26	
20-05-22 6:00	15.18	432882.2	18.35	0.71	3.67	4.75	
20-05-22 7:00	15.21	438288.6	16.27	0.78	1.68	7.5	
20-05-22 8:00	14.83	530013.8	14	0.57	0.34	3.77	
20-05-22 9:00	14.73	531805.7	13.16	0.48	0.34	2.95	
20-05-22 10:00	14.63	535897.7	11.59	0.51	0.33	2.61	
20-05-22 11:00	14.58	533793.1	10.33	0.67	0.33	2.96	
20-05-22 12:00	14.66	518558.6	15.22	0.85	0.33	2.56	
20-05-22 13:00	14.55	535306.4	10.23	0.92	0.33	2.23	
20-05-22 14:00	14.56	533952.4	9.86	0.89	0.33	2.34	
20-05-22 15:00	14.57	533381	11.56	0.57	0.33	2.43	
20-05-22 16:00	14.75	522430.6	16.37	0.99	0.34	3.23	
20-05-22 17:00	14.82	519954.8	13.2	0.73	0.34	3.98	
20-05-22 18:00	14.79	525662.8	14.93	0.6	0.34	3.48	
20-05-22 19:00	14.76	532572.6	11.83	0.58	0.34	3.72	
20-05-22 20:00	14.63	543215.9	10.87	0.51	0.33	3.23	
20-05-22 21:00	14.68	545000.3	10.03	0.58	0.33	3.01	
20-05-22 22:00	14.71	541296.8	11.47	0.57	0.34	3.19	
20-05-22 23:00	14.87	511627.3	14.91	0.64	1.25	4.78	
21-05-22 0:00	15.1	450932.1	19.24	0.73	0.36	4.87	
21-05-22 1:00	15.09	446819.1	20.19	0.78	0.44	4.12	
21-05-22 2:00	15.09	446832.8	20.53	0.78	0.39	4.09	
21-05-22 3:00	15.11	443260.7	19.82	0.89	0.8	4.34	
21-05-22 4:00	15.15	435253.5	17.95	1	1.52	4.96	
21-05-22 5:00	15.16	432980.8	19.16	0.95	3.9	4.8	
21-05-22 6:00	15.15	436624.6	20.07	0.91	1.08	4.51	
21-05-22 7:00	15.17	442856.8	18.48	0.84	1.64	6.88	
21-05-22 8:00	14.82	529471.7	16.17	0.61	0.45	4.44	
21-05-22 9:00	14.81	524159.2	10.65	0.55	0.34	3.46	
21-05-22 10:00	14.79	521003.8	18.98	0.6	0.34	3.29	
21-05-22 11:00	14.77	518317.3	18.45	0.68	0.34	3.17	
21-05-22 12:00	14.75	518562	17.99	0.77	0.34	3.05	
21-05-22 13:00	14.72	518172.2	18.03	0.86	0.34	3.03	
21-05-22 14:00	14.73	518436.7	17.9	0.95	0.34	3.05	
21-05-22 15:00	14.73	519274	17.11	0.86	0.34	3.22	
21-05-22 16:00	14.82	526715.9	12.63	1.04	0.34	4.78	
21-05-22 17:00	14.78	533664.9	15.5	0.95	0.34	4.02	
21-05-22 18:00	14.77	535016.3	16.58	0.9	0.34	3.77	
21-05-22 19:00	14.77	530937.2	16.73	0.86	0.34	4.33	
21-05-22 20:00	14.81	528923	14.64	0.91	0.34	4.59	
21-05-22 21:00	14.86	526559	13.22	0.89	0.35	4.79	
21-05-22 22:00	14.87	520946.1	13.47	0.94	0.35	4.88	
21-05-22 23:00	14.73	537779.8	14.79	0.93	0.34	3.45	
22-05-22 0:00	14.51	577722.8	0	0.86	0.33	4.14	
22-05-22 1:00	14.51	578240.4	0	0.87	0.33	4.36	
22-05-22 2:00	14.51	578718.3	0	0.91	0.33	4.27	
22-05-22 3:00	14.52	578468	0	0.98	0.33	4.25	
22-05-22 4:00	14.52	578054.1	0	0.93	0.33	4.23	
22-05-22 5:00	14.52	578589.1	0	0.92	0.33	4.23	
22-05-22 6:00	14.54	579816.3	0	0.88	0.33	4.23	
22-05-22 7:00	14.56	577250.6	0	0.9	0.33	4.33	
22-05-22 8:00	14.55	572585.7	0	0.77	0.33	4.29	
22-05-22 9:00	14.56	564211.6	0	0.67	0.33	3.31	
22-05-22 10:00	14.46	559706	0	0.64	0.34	3.01	
22-05-22 11:00	14.46	558773.1	0	0.72	0.32	2.79	
22-05-22 12:00	14.41	554680.3	0	0.75	0.32	2.6	
22-05-22 13:00	14.4	553749.8	0	0.92	0.32	2.47	
22-05-22 14:00	14.4	554636.3	0	1	0.32	2.44	
22-05-22 15:00	14.42	555244	0	1.02	0.32	2.59	
22-05-22 16:00	14.43	560912.1	0	0.97	0.32	2.75	
22-05-22 17:00	14.52	553662.9	3.51	0.94	0.33	3.24	
22-05-22 18:00	14.81	503837.7	21.01	0.96	0.34	3.57	
22-05-22 19:00	14.92	492415.5	29.51	0.86	0.35	3.64	
22-05-22 20:00	14.91	497720.4	30.16	0.78	0.35	3.73	
22-05-22 21:00	14.94	492116.8	29.31	0.79	0.35	3.96	
22-05-22 22:00	14.98	486171.9	25.25	0.85	0.35	4.78	
22-05-22 23:00	14.76	539643.9	8.38	0.8	0.34	4.53	
23-05-22 0:00	14.55	575185.50	0	0.73	0.33	3.67	
23-05-22 1:00	14.55	576209.50	0	0.8	0.33	3.38	
23-05-22 2:00	14.54	576869.40	0	0.78	0.33	3.37	
23-05-22 3:00	14.53	577279.00	0	0.83	0.33	3.3	
23-05-22 4:00	14.54	576749.90	0	0.94	0.33	3.62	
23-05-22 5:00	14.55	576641.00	0	0.98	0.33	3.46	
23-05-22 6:00	14.56	576846.60	0	0.88	0.33	3.39	
23-05-22 7:00	14.57	575538.20	0	0.86	0.33	3.44	
23-05-22 8:00	14.75	533135.60	14.59	0.85	0.34	3.5	
23-05-22 9:00	14.78	516977.40	18.4	0.79	0.34	3.13	

31-05-22 0:00	15.28	449555.4	21.75	0	0.54	6.57	
31-05-22 1:00	15.28	442595.1	21.92	0	0.86	6.02	
31-05-22 2:00	15.27	440987.9	22.81	0	1.04	5.46	
31-05-22 3:00	15.31	438885.9	20.13	0.01	3.31	6.78	
31-05-22 4:00	15.31	438302.8	19.8	0.02	2.82	6.66	
31-05-22 5:00	15.31	435165.4	20.69	0.02	3.07	6.13	
31-05-22 6:00	15.3	448759	21.71	0.02	0.54	5.53	
31-05-22 7:00	15.35	447450.5	17.76	0.01	0.83	11.5	
31-05-22 8:00	14.94	528368.9	21.68	0.01	0.35	4.43	
31-05-22 9:00	14.89	519301.8	25.1	0	0.35	2.88	
31-05-22 10:00	14.78	524634.5	21.21	0	0.34	2.37	
31-05-22 11:00	14.69	529941.7	17.7	0	0.34	1.86	
31-05-22 12:00	14.8	513585.2	28.71	0	0.34	2.31	
31-05-22 13:00	14.72	523038.6	18.6	0	0.34	2.31	
31-05-22 14:00	14.68	528490.2	18	0.02	0.34	2.01	
31-05-22 15:00	14.78	515879.3	23.23	0.03	0.34	2.85	
31-05-22 16:00	14.79	513652.1	23.02	0.02	0.34	2.91	
31-05-22 17:00	14.87	513507.2	27.63	0.02	0.35	3.33	
31-05-22 18:00	15.04	507914.9	28.72	0.01	0.36	5.81	
31-05-22 19:00	14.98	519176.9	20.37	0	0.35	4.11	
31-05-22 20:00	14.98	526724.1	19.62	0	0.35	4.16	
31-05-22 21:00	14.95	539100.9	24.68	0	0.35	3.41	
31-05-22 22:00	14.99	538583.2	21.61	0	0.35	4.08	
31-05-22 23:00	15.09	513575.8	18.13	0	1.33	8.37	
Minimum	14.45	410,965.00	0.00	0.00	0.32	1.26	
Maximum	15.45	590,118.90	37.80	1.96	11.40	21.10	
Avg	14.87	517,687.22	13.85	0.57	0.69	4.56	
SUM							
STD			STD = 60.120	STD = 6.20	STD = 28.60	STD = 690	

Site Name: GULF_NRV1
Stack Name: HRSG_STACK1
Periodically: 01/06/2021 00:00-30/06/2021 23:59

Date & Time	O2	FLOW @ 1 ATM 25C % m3/hr	Emission Concentration for Standardization Comparison				Remark
			HRSG1_NOx @ 7%O2 ppm	HRSG1_SOx @ 7%O2 ppm	HRSG1_Dust (7%O2) mg/m3	HRSG1_CO @ 7%O2 ppm	
01-06-22 0:00	15.3	446196.1	22.19	0	0.95	15.3	
01-06-22 1:00	15.31	443021.7	22.01	0.01	1.78	15.3	
01-06-22 2:00	15.3	442942.5	21.98	0.01	1.03	15.3	
01-06-22 3:00	15.31	440919.7	20.67	0.03	1.38	15.3	
01-06-22 4:00	15.3	443525.2	20.99	0.02	2.38	15.3	
01-06-22 5:00	15.29	439466.2	21.68	0.01	0.86	15.3	
01-06-22 6:00	15.32	431678.1	19.94	0.02	3.68	15.3	
01-06-22 7:00	15.3	437859.1	20.96	0	1.12	15.3	
01-06-22 8:00	15.26	457653.5	22.73	0	0.37	15.3	
01-06-22 9:00	15.2	467546.5	23.79	0	0.37	15.2	
01-06-22 10:00	14.74	535006.8	15.2	0	0.34	14.7	
01-06-22 11:00	14.71	529793.8	16.29	0	0.34	14.7	
01-06-22 12:00	14.81	511479.7	34.91	0.01	0.34	14.8	
01-06-22 13:00	14.65	530780.8	16.29	0.03	0.33	14.7	
01-06-22 14:00	14.63	532427.8	15.53	0.01	0.33	14.6	
01-06-22 15:00	14.76	531187.6	19.5	0.03	0.34	14.8	
01-06-22 16:00	14.88	525608.8	23.92	0.01	0.35	14.9	
01-06-22 17:00	14.84	530484.6	16.58	0	0.34	14.8	
01-06-22 18:00	14.88	525963.3	18.04	0	0.35	14.9	
01-06-22 19:00	14.91	526923.5	23.08	0	0.35	14.9	
01-06-22 20:00	14.92	528013.1	24.22	0	0.35	14.9	
01-06-22 21:00	14.93	528906.7	24.01	0	0.35	14.9	
01-06-22 22:00	14.98	526017.1	19.32	0	0.35	15	
01-06-22 23:00	14.78	555325.6	3.4	0	0.34	14.8	
02-06-22 0:00	14.77	554819.3	2.79	0	0.34	14.8	
02-06-22 1:00	14.76	555410.9	2.79	0	0.34	14.8	
02-06-22 2:00	14.77	556201.7	3.08	0	0.34	14.8	
02-06-22 3:00	14.78	556890	3.35	0	0.34	14.8	
02-06-22 4:00	14.79	556298.4	3.82	0	0.34	14.8	
02-06-22 5:00	14.79	556247.2	3.78	0	0.34	14.8	
02-06-22 6:00	14.79	552105.7	3.74	0	0.34	14.8	
02-06-22 7:00	14.79	552959	3.3	0	0.34	14.8	
02-06-22 8:00	14.77	555587.3	2.96	0	0.34	14.8	
02-06-22 9:00	14.81	541158.4	8.23	0	0.34	14.8	
02-06-22 10:00	14.69	540773.2	13.01	0	0.34	14.7	
02-06-22 11:00	14.68	532402.1	15.51	0	0.34	14.7	
02-06-22 12:00	14.75	529944	19.86	0.01	0.34	14.7	
02-06-22 13:00	14.64	535285.3	14.77	0.01	0.33	14.6	
02-06-22 14:00	14.62	538072.4	14.7	0.02	0.33	14.6	
02-06-22 15:00	14.64	536523.8	14.83	0.03	0.33	14.6	
02-06-22 16:00	14.69	527534.4	15.36	0.05	0.34	14.7	
02-06-22 17:00	14.82	509816	36.33	0.08	0.34	14.8	
02-06-22 18:00	14.83	511143.3	22.21	0.13	0.34	14.8	
02-06-22 19:00	14.87	513760.2	22.73	0.07	0.35	14.9	
02-06-22 20:00	14.91	519845.3	23.01	0.03	0.35	14.9	
02-06-22 21:00	14.95	522522	21.79	0	0.35	15	
02-06-22 22:00	14.91	534441.5	16.58	0	0.35	14.9	
02-06-22 23:00	14.69	572062.3	0.11	0	0.34	14.7	
03-06-22 0:00	14.69	573865.7	0.2	0	0.34	14.7	
03-06-22 1:00	14.68	574827.1	0.06	0	0.33	14.7	
03-06-22 2:00	14.67	576323.3	0.21	0	0.33	14.7	
03-06-22 3:00	14.67	576864.6	0.55	0	0.33	14.7	
03-06-22 4:00	14.68	577239.2	0.72	0	0.33	14.7	
03-06-22 5:00	14.69	577057.1	1.11	0	0.34	14.7	
03-06-22 6:00	14.7	576840.9	1.06	0	0.34	14.7	
03-06-22 7:00	14.7	575316.3	1.26	0	0.34	14.7	
03-06-22 8:00	14.7	567846.8	2.62	0	0.34	14.7	
03-06-22 9:00	14.66	564132	2.45	0	0.33	14.7	
03-06-22 10:00	14.59	560343.2	1.76	0	0.33	14.6	
03-06-22 11:00	14.57	557538.6	1.5	0	0.33	14.6	
03-06-22 12:00	14.56	558477.2	0.59	0	0.33	14.6	
03-06-22 13:00	14.55	558306.6	0.79	0.01	0.33	14.5	
03-06-22 14:00	14.53	558397.6	0.73	0.02	0.33	14.5	
03-06-22 15:00	14.54	558608.1	0.96	0.04	0.33	14.5	
03-06-22 16:00	14.57	561424.1	1.49	0.04	0.33	14.6	
03-06-22 17:00	14.61	572210.2	0.75	0.02	0.33	14.6	
03-06-22 18:00	14.91	525585.5	17.56	0	0.35	14.9	
03-06-22 19:00	15.12	470911.5	30.16	0	0.36	15.1	
03-06-22 20:00	15.16	462588.7	28.38	0	0.36	15.2	
03-06-22 21:00	15.16	476109.4	26.15	0	0.36	15.2	
03-06-22 22:00	14.72	573615.4	1.54	0	0.34	14.7	
03-06-22 23:00	14.71	574229.8	1.2	0	0.34	14.7	
04-06-22 0:00	14.72	575521.1	1.65	0	0.34	14.7	
04-06-22 1:00	14.71	575999	1.84	0	0.34	14.7	
04-06-22 2:00	14.72	577910.4	1.45	0	0.34	14.7	
04-06-22 3:00	14.73	578763.8	0.24	0	0.34	14.7	
04-06-22 4:00	14.72	581392.1	0.18	0	0.34	14.7	
04-06-22 5:00	14.72	581130.4	0.42	0	0.34	14.7	
04-06-22 6:00	14.73	580083.6	0.07	0	0.34	14.7	
04-06-22 7:00	14.73	577051.4	0.93	0	0.34	14.7	
04-06-22 8:00	14.72	574024.9	1.81	0	0.34	14.7	
04-06-22 9:00	14.72	560485	6.32	0	0.34	14.7	
04-06-22 10:00	15.03	496519.3	25.18	0	0.36	15	

04-06-22 11:00	15.03	483250.7	30.92	0	0.36	15	
04-06-22 12:00	15.04	475694.5	30.81	0	0.36	15	
04-06-22 13:00	15.04	480989.4	31.45	0.01	0.36	15	
04-06-22 14:00	15.04	481825.6	31.92	0	0.36	15	
04-06-22 15:00	15.02	482778.5	32.17	0.01	0.35	15	
04-06-22 16:00	15.03	489925.7	30.75	0	0.35	15.1	
04-06-22 17:00	15.13	477709.7	31.26	0	0.36	15.1	
04-06-22 18:00	15.16	478474.9	31.43	0	0.36	15.2	
04-06-22 19:00	15.17	476799.5	30.98	0	0.36	15.2	
04-06-22 20:00	15.18	469995.6	31.6	0	0.36	15.2	
04-06-22 21:00	15.17	476991.2	31.91	0	0.36	15.2	
04-06-22 22:00	15.04	521144.8	20.59	0	0.36	15	
04-06-22 23:00	14.7	578536.3	0	0	0.34	14.7	
05-06-22 0:00	14.7	578610.2	0.06	0	0.34	14.7	
05-06-22 1:00	14.68	578024.3	0.01	0	0.34	14.7	
05-06-22 2:00	14.67	577711.4	0	0	0.33	14.7	
05-06-22 3:00	14.69	578854.8	0	0.01	0.34	14.7	
05-06-22 4:00	14.71	579594.4	0.76	0.04	0.34	14.7	
05-06-22 5:00	14.7	581756.1	0.73	0.04	0.34	14.7	
05-06-22 6:00	14.7	582108.9	0.38	0.02	0.34	14.7	
05-06-22 7:00	14.71	578576.1	1.25	0	0.34	14.7	
05-06-22 8:00	14.73	573916.9	3.08	0	0.34	14.7	
05-06-22 9:00	14.71	567903.7	3.28	0	0.34	14.7	
05-06-22 10:00	14.65	563346.9	2.91	0	0.33	14.7	
05-06-22 11:00	14.61	560307.5	2.31	0	0.33	14.6	
05-06-22 12:00	14.61	557962.8	1.65	0	0.33	14.6	
05-06-22 13:00	14.57	555359.7	1.34	0	0.33	14.6	
05-06-22 14:00	14.56	553840.8	0.88	0.01	0.33	14.6	
05-06-22 15:00	14.56	553653.1	0.94	0	0.33	14.6	
05-06-22 16:00	14.55	561793.8	0.3	0.02	0.33	14.5	
05-06-22 17:00	14.59	567556.7	1.3	0	0.34	14.6	
05-06-22 18:00	14.81	535550.1	14.04	0	0.34	14.8	
05-06-22 19:00	15.05	484516.5	32.31	0	0.36	15.1	
05-06-22 20:00	15.08	483941.9	30.62	0	0.36	15.1	
05-06-22 21:00	15.07	482373.6	23.11	0	0.36	15.1	
05-06-22 22:00	14.71	571385.3	0.95	0	0.34	14.7	
05-06-22 23:00	14.73	575942.1	2.2	0	0.34	14.7	
06-06-22 0:00	14.72	578257.5	0.61	0	0.34	14.7	
06-06-22 1:00	14.71	579753.7	1.19	0	0.34	14.7	
06-06-22 2:00	14.7	578591.8	2.71	0	0.34	14.7	
06-06-22 3:00	14.7	577819.4	2.89	0	0.34	14.7	
06-06-22 4:00	14.69	579975.5	1.37	0.01	0.34	14.7	
06-06-22 5:00	14.7	581335.2	1.3	0.01	0.34	14.7	
06-06-22 6:00	14.71	580089.3	1.41	0	0.34	14.7	
06-06-22 7:00	14.72	578132.3	3.25	0	0.34	14.7	
06-06-22 8:00	15.1	498490.5	20.76	0	0.36	15.1	
06-06-22 9:00	15.21	474543.8	26.93	0	0.37	15.2	
06-06-22 10:00	14.8	536448.8	16.16	0	0.34	14.8	
06-06-22 11:00	14.78	532057.8	19.22	0	0.34	14.8	
06-06-22 12:00	14.78	529319.1	20.16	0	0.34	14.7	
06-06-22 13:00	14.7	534817.1	18.28	0.02	0.34	14.7	
06-06-22 14:00	14.68	536267.8	18.09	0.05	0.34	14.7	
06-06-22 15:00	14.66	540141.9	18.19	0.08	0.33	14.7	
06-06-22 16:00	14.67	536122.7	18.33	0.08	0.33	14.7	
06-06-22 17:00	14.78	519426.5	23.69	0.05	0.34	14.8	
06-06-22 18:00	14.88	509052.7	39.18	0.08	0.35	14.9	
06-06-22 19:00	14.91	514070.3	26.1	0.08	0.35	14.9	
06-06-22 20:00	14.94	518476.7	27.25	0.01	0.35	14.9	
06-06-22 21:00	14.96	520756	27.84	0	0.35	15	
06-06-22 22:00	15.04	504893.6	26.34	0	1.1	15	
06-06-22 23:00	15.31	445442.3	24.31	0	0.47	15.3	
07-06-22 0:00	15.29	448892.7	26.36	0	0.91	15.3	
07-06-22 1:00	15.3	446457.8	24.79	0	0.65	15.3	
07-06-22 2:00	15.31	444899.1	24.25	0	1.38	15.3	
07-06-22 3:00	15.33	443041.6	23.69	0	0.86	15.3	
07-06-22 4:00	15.32	445189.2	24.81	0	0.78	15.3	
07-06-22 5:00	15.39	437085.4	21.4	0.01	3.43	15.4	
07-06-22 6:00	15.4	437594.5	21.56	0.03	3.32	15.4	
07-06-22 7:00	15.36	445934.4	24.28	0	0.65	15.4	
07-06-22 8:00	15.29	458612.1	26.65	0	0.37	15.3	
07-06-22 9:00	15.27	475553.6	24.61	0	0.37	15.3	
07-06-22 10:00	14.8	542348.8	17.05	0	0.34	14.8	
07-06-22 11:00	14.75	533383.4	19.57	0	0.34	14.7	
07-06-22 12:00	14.76	524987.8	20.29	0	0.34	14.8	
07-06-22 13:00	14.69	540989.6	19.25	0.01	0.34	14.7	
07-06-22 14:00	14.69	539180.5	18.04	0.01	0.34	14.7	
07-06-22 15:00	14.69	541433.3	18.02	0.05	0.34	14.7	
07-06-22 16:00	14.73	534151.4	18.59	0.03	0.34	14.7	
07-06-22 17:00	14.8	526636.8	22.38	0.02	0.34	14.8	
07-06-22 18:00	14.9	515669.9	24.85	0.01	0.35	14.9	
07-06-22 19:00	14.96	515782.6	27.61	0	0.35	15	
07-06-22 20:00	15	518012.9	28.27	0	0.35	15	
07-06-22 21:00	15.01	521066.4	29.01	0	0.35	15	
07-06-22 22:00	15.09	503553.9	27.87	0	1.04	15.1	
07-06-22 23:00	15.34	447922.7	26.62	0	0.43	15.3	
08-06-22 0:00	15.34	450980.9	26.15	0	0.42	15.3	
08-06-22 1:00	15.36	447114.9	24.87	0	0.64	15.4	
08-06-22 2:00	15.35	448830.1	25	0	0.76	15.4	
08-06-22 3:00	15.38	443926.3	22.62	0	0.65	15.4	
08-06-22 4:00	15.38	445752.4	22.85	0	0.63	15.4	
08-06-22 5:00	15.38	445109.5	23	0	0.85	15.4	

08-06-22 6:00	15.35	452371.4	26.1	0	0.46	15.3	
08-06-22 7:00	15.35	452416.9	26.48	0	0.41	15.4	
08-06-22 8:00	15.29	474265.1	29.85	0	0.37	15.3	
08-06-22 9:00	15.21	488615.3	29.3	0	0.37	15.2	
08-06-22 10:00	14.8	539970.6	16.87	0	0.34	14.8	
08-06-22 11:00	14.77	532752.1	19.48	0	0.34	14.8	
08-06-22 12:00	14.93	511251.9	37.1	0	0.35	14.9	
08-06-22 13:00	14.76	533795.8	19.01	0	0.34	14.8	
08-06-22 14:00	14.72	534919.5	18.64	0	0.34	14.7	
08-06-22 15:00	14.72	535454.3	18.28	0	0.34	14.7	
08-06-22 16:00	14.73	531224.3	18.44	0	0.34	14.7	
08-06-22 17:00	14.85	512916.8	32.41	0	0.34	14.9	
08-06-22 18:00	14.91	509900.3	42.32	0.01	0.35	14.9	
08-06-22 19:00	14.95	515176.8	26.25	0	0.35	14.9	
08-06-22 20:00	14.96	516280.4	26.51	0	0.35	15	
08-06-22 21:00	14.98	519849.2	27.06	0	0.35	15	
08-06-22 22:00	15.09	506393.9	25.8	0	0.98	15.1	
08-06-22 23:00	15.34	447715.1	24.21	0	0.78	15.3	
09-06-22 0:00	15.33	449143	24.73	0	0.49	15.3	
09-06-22 1:00	15.31	447240	25.23	0	0.49	15.3	
09-06-22 2:00	15.32	447999.5	25.42	0	0.51	15.3	
09-06-22 3:00	15.34	442276.5	24.57	0	0.61	15.3	
09-06-22 4:00	15.35	435071.5	25.71	0	1.1	15.3	
09-06-22 5:00	15.35	437395.4	26.53	0	1.1	15.3	
09-06-22 6:00	15.36	439227.2	25.91	0	1.51	15.4	
09-06-22 7:00	15.39	44035.1	23.77	0	0.36	15.4	
09-06-22 8:00	15.3	469273.1	28.64	0	0.41	15.3	
09-06-22 9:00	15.24	486354	30.46	0	0.37	15.2	
09-06-22 10:00	14.83	541512.4	18.78	0	0.34	14.8	
09-06-22 11:00	14.75	533232.7	19.98	0	0.34	14.7	
09-06-22 12:00	14.84	515497.7	33.89	0	0.34	14.8	
09-06-22 13:00	14.67	542986.4	17.15	0	0.33	14.7	
09-06-22 14:00	14.65	545586.2	17.82	0	0.33	14.7	
09-06-22 15:00	14.66	541345.1	17.58	0	0.33	14.7	
09-06-22 16:00	14.7	533426.1	18.27	0.01	0.34	14.7	
09-06-22 17:00	14.75	535012.7	20.94	0.02	0.34	14.7	
09-06-22 18:00	14.86	511411	29.33	0.03	0.34	14.9	
09-06-22 19:00	14.89	514733	25.53	0.02	0.35	14.9	
09-06-22 20:00	14.94	520381.3	26.67	0	0.35	14.9	
09-06-22 21:00	14.96	520776.1	27.29	0	0.35	15	
09-06-22 22:00	16.12	444994.8	21.54	0.04	2.82	16.1	
09-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
10-06-22 9:00	20.35	106470.7	16.1	0.04	4.21	20.4	
10-06-22 10:00	15.04	509863.9	23.84	0.36	2.21	15	
10-06-22 11:00	14.72	537530.7	17.99	0	0.34	14.7	
10-06-22 12:00	14.75	525536.6	19.49	0	0.34	14.7	
10-06-22 13:00	14.69	540642.6	18.08	0	0.34	14.7	
10-06-22 14:00	14.67	548815	16.79	0.01	0.33	14.7	
10-06-22 15:00	14.66	547389.6	15.12	0.01	0.32	14.7	
10-06-22 16:00	14.7	537510.7	18.54	0.01	0.34	14.7	
10-06-22 17:00	14.77	521765.1	19.93	0	0.34	14.8	
10-06-22 18:00	14.83	514273	29.02	0.02	0.34	14.8	
10-06-22 19:00	14.89	508163.3	33.73	0.01	0.35	14.9	
10-06-22 20:00	14.91	510268.1	29.84	0	0.35	14.9	
10-06-22 21:00	14.94	515957.9	27.28	0	0.35	14.9	
10-06-22 22:00	15.05	500314.7	26.16	0	0.97	15	
10-06-22 23:00	15.32	443858	25.01	0	1.14	15.3	
11-06-22 0:00	15.32	443584.9	24.71	0	1.03	15.3	
11-06-22 1:00	15.34	44131.7	24.08	0	1.05	15.3	
11-06-22 2:00	15.33	441243.9	24.17	0	1.45	15.3	
11-06-22 3:00	15.35	440567	23.78	0	0.94	15.3	
11-06-22 4:00	15.34	437884.7	24.19	0	1.47	15.3	
11-06-22 5:00	15.39	430994	21.03	0	3.4	15.4	
11-06-22 6:00	15.35	441861.2	23.51	0	1.2	15.4	
11-06-22 7:00	15.37	442447.2	23.78	0	1.2	15.4	
11-06-22 8:00	15.3	458341.9	28.22	0	0.37	15.3	
11-06-22 9:00	15.27	447811.8	27.3	0	0.53	15.3	
11-06-22 10:00	14.82	533869.3	16.11	0	0.34	14.8	
11-06-22 11:00	14.78	526995.9	19.58	0	0.34	14.8	
11-06-22 12:00	14.85	514358.9	24.84	0	0.34	14.8	
11-06-22 13:00	14.74	528246.2	18.65	0	0.34	14.7	
11-06-22 14:00	14.73	527341.3	18.59	0	0.34	14.7	
11-06-22 15:00	14.75	524933.8	19.44	0	0.34	14.7	
11-06-22 16:00	14.8	516396.8	23.67	0	0.34	14.8	
11-06-22 17:00	14.92	499776.9	40.57	0	0.35	14.9	
11-06-22 18:00	14.94	504421.9	38.21	0	0.35	14.9	
11-06-22 19:00	14.98	514528.2	24.65	0	0.35	15	
11-06-22 20:00	15	519543.6	21.91	0	0.35	15	
11-06-22 21:00	15.06	519521	19.36	0	0.36	15.1	
11-06-22 22:00	14.95	536451.6	19.26	0	0.35	14.9	
11-06-22 23:00	14.73	573643.8	2.75	0	0.34	14.7	
12-06-22 0:00	14.74	573842.9	3.27	0	0.34	14.7	

12-06-22 1:00	14.72	573604	3.17	0	0.34	14.7	
12-06-22 2:00	14.71	575623.5	3.15	0	0.34	14.7	
12-06-22 3:00	14.7	575504.1	2.73	0	0.34	14.7	
12-06-22 4:00	14.69	576641.8	2.54	0	0.34	14.7	
12-06-22 5:00	14.69	577626	2.28	0	0.34	14.7	
12-06-22 6:00	14.69	577992.4	2.67	0	0.34	14.7	
12-06-22 7:00	14.71	566185.7	4.18	0	0.34	14.7	
12-06-22 8:00	14.69	560548	4	0	0.34	14.7	
12-06-22 9:00	14.66	554820.1	3.64	0	0.33	14.7	
12-06-22 10:00	14.62	553670.1	3.18	0	0.33	14.6	
12-06-22 11:00	14.61	554165.3	2.72	0	0.33	14.6	
12-06-22 12:00	14.61	553783.9	2.81	0	0.33	14.6	
12-06-22 13:00	14.6	552646.1	2.39	0	0.33	14.6	
12-06-22 14:00	14.59	551582.3	2.3	0	0.33	14.6	
12-06-22 15:00	14.58	557749.1	2.87	0	0.33	14.6	
12-06-22 16:00	14.63	576539.4	1.96	0	0.33	14.6	
12-06-22 17:00	14.68	578189.2	2.25	0	0.34	14.7	
12-06-22 18:00	15.01	527044.4	15.58	0	0.35	15	
12-06-22 19:00	15.11	485563.2	35.58	0	0.36	15.1	
12-06-22 20:00	15.13	486709.5	35.87	0	0.36	15.1	
12-06-22 21:00	15.18	488663.8	30.4	0	0.38	15.2	
12-06-22 22:00	14.77	569120.6	3.74	0	0.36	14.8	
12-06-22 23:00	14.71	575737.3	2.67	0	0.34	14.7	
13-06-22 0:00	14.7	574975	2.68	0	0.34	14.7	
13-06-22 1:00	14.69	575169.4	2.54	0	0.34	14.7	
13-06-22 2:00	14.69	575595.1	2.46	0	0.34	14.7	
13-06-22 3:00	14.68	574673.5	2.52	0	0.34	14.7	
13-06-22 4:00	14.68	575799.9	2.62	0	0.34	14.7	
13-06-22 5:00	14.69	575993.3	2.81	0	0.34	14.7	
13-06-22 6:00	14.7	574896.4	2.72	0	0.34	14.7	
13-06-22 7:00	14.71	572176.1	3.65	0	0.34	14.7	
13-06-22 8:00	14.98	514654.8	11.06	0	0.35	15	
13-06-22 9:00	15.24	437785.1	25.12	0	0.37	15.2	
13-06-22 10:00	14.77	531001.6	19.28	0	0.34	14.8	
13-06-22 11:00	14.72	530715.3	18.8	0	0.34	14.7	
13-06-22 12:00	14.73	523729.1	20.19	0	0.34	14.7	
13-06-22 13:00	14.66	535317.8	18.64	0	0.33	14.7	
13-06-22 14:00	14.67	534108.4	19.74	0.02	0.33	14.7	
13-06-22 15:00	14.78	545603.1	14.71	0.04	0.34	14.8	
13-06-22 16:00	14.78	546689.8	14.4	0.02	0.34	14.8	
13-06-22 17:00	14.9	522157.1	27.83	0.02	0.35	14.9	
13-06-22 18:00	14.91	520614.6	27.4	0	0.35	14.9	
13-06-22 19:00	14.93	522627.4	27.39	0	0.35	14.9	
13-06-22 20:00	14.94	524304.7	26.39	0	0.35	14.9	
13-06-22 21:00	14.97	522199.7	26.45	0	0.37	15	
13-06-22 22:00	15.07	489715.5	23.18	0	1.97	15.1	
13-06-22 23:00	15.34	415496	20.14	0	9.61	15.3	
14-06-22 0:00	15.31	410253.7	22.92	0	9.98	15.3	
14-06-22 1:00	15.29	409508.5	23.16	0	9.75	15.3	
14-06-22 2:00	15.28	409032.8	23.05	0	9.73	15.3	
14-06-22 3:00	15.29	409332.1	23.3	0	9.02	15.3	
14-06-22 4:00	15.29	410720.2	23.62	0.01	9.33	15.3	
14-06-22 5:00	15.29	423067.9	24.64	0	5.48	15.3	
14-06-22 6:00	15.31	443513.8	22.16	0	2.97	15.3	
14-06-22 7:00	15.3	445701.2	24.43	0	0.59	15.3	
14-06-22 8:00	15.25	465578.2	26.31	0	0.45	15.2	
14-06-22 9:00	15.17	479493.2	28.69	0	0.36	15.2	
14-06-22 10:00	14.73	534673.9	18.29	0	0.34	14.7	
14-06-22 11:00	14.69	530644.2	18.66	0	0.34	14.7	
14-06-22 12:00	14.7	524945.6	18.86	0.01	0.34	14.7	
14-06-22 13:00	14.64	534242.6	18.94	0.02	0.33	14.6	
14-06-22 14:00	14.63	534635.1	18.88	0.03	0.33	14.6	
14-06-22 15:00	14.63	533741.9	18.71	0.03	0.33	14.6	
14-06-22 16:00	14.71	526134.4	19.28	0.05	0.34	14.7	
14-06-22 17:00	14.86	507351.7	44.35	0.07	0.35	14.9	
14-06-22 18:00	14.87	508836.5	30.55	0.04	0.35	14.9	
14-06-22 19:00	14.9	511595.6	26.76	0.01	0.35	14.9	
14-06-22 20:00	14.92	516064.7	27.07	0	0.35	14.9	
14-06-22 21:00	14.94	519435.3	27.01	0	0.35	14.9	
14-06-22 22:00	15.03	507064.8	24.13	0	0.34	15	
14-06-22 23:00	15.27	445783.7	23.96	0	0.4	15.3	
15-06-22 0:00	15.28	443434.2	23.26	0	1.49	15.3	
15-06-22 1:00	15.28	443149.7	23.41	0	0.7	15.3	
15-06-22 2:00	15.27	446523.2	25.13	0	0.41	15.3	
15-06-22 3:00	15.28	444751.2	24.45	0	1.05	15.3	
15-06-22 4:00	15.29	443064.4	23.93	0	1.14	15.3	
15-06-22 5:00	15.32	438571.4	22.08	0	2.44	15.3	
15-06-22 6:00	15.31	443359.3	23.67	0	1.38	15.3	
15-06-22 7:00	15.31	447578.5	24.45	0	0.58	15.3	
15-06-22 8:00	15.25	460279	27.69	0	0.37	15.2	
15-06-22 9:00	15.21	466704.6	26.91	0	0.37	15.2	
15-06-22 10:00	14.75	540021.4	16.93	0	0.34	14.8	
15-06-22 11:00	14.73	533255.4	20.03	0	0.34	14.7	
15-06-22 12:00	14.76	524609.4	18.84	0	0.34	14.8	
15-06-22 13:00	14.7	533264.1	19.49	0	0.34	14.7	
15-06-22 14:00	14.69	535386	19.3	0	0.34	12.5	
15-06-22 15:00	14.69	531210.4	14.71	0.04	0.35	6.3	
15-06-22 16:00	14.88	519707.1	27.08	0.49	0.35	14.9	
15-06-22 17:00	15.06	522268	19.77	0.16	0.36	15.1	
15-06-22 18:00	15.07	517766.6	20.42	0.11	0.36	15.1	
15-06-22 19:00	15.08	525615.7	17.5	0.05	0.36	15.1	

15-06-22 20:00	15.01	534498.3	24.75	0.01	0.35	15
15-06-22 21:00	15.02	529660.1	22.89	0	0.35	15
15-06-22 22:00	14.94	544735.2	14.23	0	0.35	14.9
15-06-22 23:00	14.83	552202.4	6.89	0	0.34	14.8
16-06-22 0:00	14.82	553556.3	7.15	0	0.34	14.8
16-06-22 1:00	14.83	555285.8	7.9	0	0.34	14.8
16-06-22 2:00	14.83	554324.3	8.43	0	0.34	14.8
16-06-22 3:00	14.83	553516.5	8.48	0	0.34	14.8
16-06-22 4:00	14.83	554699.8	8.56	0	0.34	14.8
16-06-22 5:00	14.83	554210.6	8.64	0	0.34	14.8
16-06-22 6:00	14.83	554591.7	8.43	0	0.34	14.8
16-06-22 7:00	14.83	553562	7.96	0	0.34	14.8
16-06-22 8:00	14.79	551383.2	6.85	0	0.34	14.8
16-06-22 9:00	14.89	535374.6	14.75	0	0.35	14.9
16-06-22 10:00	14.96	527188.8	20.04	0	0.35	14.9
16-06-22 11:00	14.75	527983.5	20.8	0	0.34	14.8
16-06-22 12:00	14.72	523429.7	16.9	0	0.34	14.7
16-06-22 13:00	14.66	533616.8	18.75	0	0.33	14.7
16-06-22 14:00	14.67	535698.9	18.98	0	0.33	14.7
16-06-22 15:00	14.67	535630.6	19.19	0	0.33	14.7
16-06-22 16:00	14.7	530843.1	19.26	0	0.34	14.7
16-06-22 17:00	14.82	514224.9	29.91	0	0.34	14.8
16-06-22 18:00	14.96	514787.2	25.41	0	0.35	15
16-06-22 19:00	15.02	522602	25.51	0	0.35	15
16-06-22 20:00	15	530386.3	26.5	0	0.35	15
16-06-22 21:00	14.97	531377.7	25.07	0	0.35	15
16-06-22 22:00	15.03	515683.5	18.78	0	1.08	15
16-06-22 23:00	15.35	441852.7	25.71	0	0.8	15.3
17-06-22 0:00	15.35	443479.7	25.21	0	0.78	15.3
17-06-22 1:00	15.34	443764.1	25.51	0	0.61	15.3
17-06-22 2:00	15.33	443397.2	25.33	0	0.65	15.3
17-06-22 3:00	15.33	443408.6	24.43	0	0.65	15.3
17-06-22 4:00	15.37	436195.1	20.7	0	1.83	15.4
17-06-22 5:00	15.34	441923.8	22.72	0	1.11	15.3
17-06-22 6:00	15.32	445072.6	23.8	0	0.96	15.3
17-06-22 7:00	15.34	445604.5	23.01	0	0.35	15.3
17-06-22 8:00	15.26	464241.3	27.06	0	0.37	15.3
17-06-22 9:00	15.2	470499.1	27.3	0	0.37	15.2
17-06-22 10:00	14.76	536295.3	15.9	0	0.34	14.8
17-06-22 11:00	14.79	523237.7	25.71	0	0.34	14.8
17-06-22 12:00	14.86	505519.8	43.13	0	0.35	14.9
17-06-22 13:00	14.67	529651.4	17.39	0	0.33	14.7
17-06-22 14:00	14.67	527907.6	17.43	0	0.33	14.7
17-06-22 15:00	14.68	527848	17.23	0	0.34	14.7
17-06-22 16:00	14.86	520425.3	24.22	0	0.35	14.9
17-06-22 17:00	15.06	520315.2	15.36	0	0.36	15.1
17-06-22 18:00	15.09	518812.2	21.1	0	0.36	15.1
17-06-22 19:00	15.06	521121.1	16.85	0	0.36	15.1
17-06-22 20:00	14.96	529921.6	25.74	0	0.35	15
17-06-22 21:00	15.05	530029.8	25.18	0	0.35	15
17-06-22 22:00	15.05	511189	25.29	0	1	15
17-06-22 23:00	15.33	438647	22.78	0	0.83	15.3
18-06-22 0:00	15.3	437634.3	24.23	0	0.95	15.3
18-06-22 1:00	15.31	436803.8	22.89	0	1.42	15.3
18-06-22 2:00	15.33	437159.3	24.27	0	1.27	15.3
18-06-22 3:00	15.4	430446.4	22.38	0.01	4.23	15.4
18-06-22 4:00	15.43	416864.2	22.17	0.04	9.76	15.4
18-06-22 5:00	15.43	411035.9	22.28	0.11	8.48	15.4
18-06-22 6:00	15.45	401606.6	20.41	0.12	10.53	15.4
18-06-22 7:00	15.46	402078.8	18.69	0.1	12.25	15.5
18-06-22 8:00	15.4	417572.5	22.04	0.02	9.45	15.4
19-06-22 9:00	15.42	419666	20.63	0	8.05	15.4
19-06-22 10:00	14.98	516554.1	24.01	0	0.43	15
19-06-22 11:00	14.96	517037.8	15.05	0	0.35	14.9
19-06-22 12:00	14.93	509058.3	32.09	0	0.35	14.9
19-06-22 13:00	14.86	506310.6	41.19	0	0.35	14.9
19-06-22 14:00	14.87	504293.9	42.67	0	0.35	14.9
19-06-22 15:00	14.88	502854.6	41.84	0	0.34	14.9
19-06-22 16:00	14.9	502837.5	39.8	0	0.35	14.9
19-06-22 17:00	14.98	499142.6	32.78	0	0.35	15
19-06-22 18:00	14.96	502325.5	29.22	0	0.35	15
19-06-22 19:00	15.01	492037.2	35.63	0	0.35	15
19-06-22 20:00	15.03	489862.8	37.47	0	0.35	15
19-06-22 21:00	15.04	496019.9	37.68	0	0.36	15
19-06-22 22:00	14.93	522487.9	23.23	0	0.35	14.9
18-06-22 23:00	14.68	572420.7	2.03	0	0.34	14.7
19-06-22 0:00	14.68	572983.9	1.87	0	0.34	14.7
19-06-22 1:00	14.67	574747.4	1.62	0	0.33	14.7
19-06-22 2:00	14.67	574565.4	1.6	0	0.33	14.7
19-06-22 3:00	14.67	574878.3	1.87	0	0.33	14.7
19-06-22 4:00	14.68	574855.5	1.94	0	0.33	14.7
19-06-22 5:00	14.68	575634.9	1.9	0	0.34	14.7
19-06-22 6:00	14.68	574884	1.68	0	0.34	14.7
19-06-22 7:00	14.68	573359.4	1.37	0	0.34	14.7
19-06-22 8:00	14.67	565918.3	2.35	0	0.33	14.7
19-06-22 9:00	14.63	569717.4	2.06	0	0.33	14.6
19-06-22 10:00	14.75	555934.3	1.78	0	0.34	14.7
19-06-22 11:00	14.83	556827.4	1.69	0	0.34	14.8
19-06-22 12:00	14.84	557488.8	1.43	0	0.34	14.8
19-06-22 13:00	14.87	556838.8	1.96	0	0.35	14.9
19-06-22 14:00	14.84	556719.4	1.52	0	0.34	14.8

19-06-22 15:00	14.84	555974.1	2.19	0	0.34	14.8	
19-06-22 16:00	14.83	556491.8	2.4	0	0.34	14.8	
19-06-22 17:00	14.84	559808.4	2.72	0	0.34	14.8	
19-06-22 18:00	15.05	514326.5	22.33	0	0.36	15.1	
19-06-22 19:00	15.25	476358.6	32.44	0	0.37	15.2	
19-06-22 20:00	15.24	489589.3	29.73	0	0.37	15.2	
19-06-22 21:00	15.21	487875.8	28.83	0	0.37	15.2	
19-06-22 22:00	14.82	569775.2	3.12	0	0.34	14.8	
19-06-22 23:00	14.8	574559.7	2.52	0	0.34	14.8	
20-06-22 0:00	14.77	576687.4	2.59	0	0.34	14.8	
20-06-22 1:00	14.74	577210.8	2.26	0	0.34	14.7	
20-06-22 2:00	14.74	577045.8	2.36	0	0.34	14.7	
20-06-22 3:00	14.74	577125.4	2.37	0.01	0.34	14.7	
20-06-22 4:00	14.74	577489.5	2.9	0.02	0.34	14.7	
20-06-22 5:00	14.73	578029.9	1.52	0.01	0.34	14.7	
20-06-22 6:00	14.74	578954.8	1.78	0.02	0.34	14.7	
20-06-22 7:00	14.76	574684.9	3.12	0.02	0.34	14.8	
20-06-22 8:00	15.33	465291.2	24.36	0.11	0.46	15.3	
20-06-22 9:00	15.35	460017.3	28.24	0.03	0.42	15.3	
20-06-22 10:00	14.95	538039.1	18.08	0	0.35	14.9	
20-06-22 11:00	14.95	529229.5	21.86	0	0.35	15	
20-06-22 12:00	15.09	506877.4	41.63	0	0.36	15.1	
20-06-22 13:00	14.92	537169.4	18.72	0	0.35	14.9	
20-06-22 14:00	14.91	534927.9	18.86	0	0.35	14.9	
20-06-22 15:00	14.9	537121.1	18.68	0	0.35	14.9	
20-06-22 16:00	14.9	532709.3	19.12	0	0.35	14.9	
20-06-22 17:00	15.05	502428.2	43.06	0	0.36	15.1	
20-06-22 18:00	15.04	507414.3	37.84	0	0.36	15	
20-06-22 19:00	15.01	517448.5	26.67	0	0.35	15	
20-06-22 20:00	15.01	518715.5	26.32	0	0.35	15	
20-06-22 21:00	15.02	515351.7	25.3	0	0.35	15	
20-06-22 22:00	15.09	504584.8	25.32	0	0.93	15.1	
20-06-22 23:00	15.34	447114.9	23.7	0	0.6	15.3	
21-06-22 0:00	15.35	443764.1	22.61	0	0.42	15.3	
21-06-22 1:00	15.32	445965.7	24.82	0	0.34	15.3	
21-06-22 2:00	15.32	445595.9	24.11	0.01	0.69	15.3	
21-06-22 3:00	15.31	444643.1	24.38	0.02	0.99	15.3	
21-06-22 4:00	15.35	438169.1	21.26	0.02	2.19	15.3	
21-06-22 5:00	15.32	439390.8	22.29	0.05	1.58	15.3	
21-06-22 6:00	15.32	446278.6	22.88	0.04	1.54	15.3	
21-06-22 7:00	15.35	445971.4	22.36	0.03	0.85	15.3	
21-06-22 8:00	15.3	463552.9	27.92	0	0.37	15.3	
21-06-22 9:00	15.31	475624.8	28.64	0	0.43	15.3	
21-06-22 10:00	14.91	537902.9	17.84	0	0.35	14.9	
21-06-22 11:00	14.91	532099.1	18.47	0	0.35	14.9	
21-06-22 12:00	15.02	515464.1	23.7	0	0.35	15	
21-06-22 13:00	14.9	536785.5	19.09	0	0.35	14.9	
21-06-22 14:00	14.87	536697.3	18.34	0	0.35	14.9	
21-06-22 15:00	14.87	535496.9	18.5	0	0.35	14.9	
21-06-22 16:00	14.87	537178.7	18.81	0	0.35	14.9	
21-06-22 17:00	14.99	510670.4	32.42	0	0.35	15	
21-06-22 18:00	15.03	505173.1	40.52	0	0.36	15	
21-06-22 19:00	15.03	507670.3	41.05	0	0.36	15	
21-06-22 20:00	15.01	516340.3	26.15	0	0.35	15	
21-06-22 21:00	15.01	521416.8	26.47	0	0.35	15	
21-06-22 22:00	15.09	505867.2	24.5	0	0.9	15.1	
21-06-22 23:00	15.36	444119.7	23.78	0	1.52	15.4	
22-06-22 0:00	15.36	445399.7	24.6	0	0.51	15.4	
22-06-22 1:00	15.33	448486	25.6	0	0.66	15.3	
22-06-22 2:00	15.33	447140.5	25.05	0	0.54	15.3	
22-06-22 3:00	15.35	444708.5	23.76	0	1.77	15.3	
22-06-22 4:00	15.35	441878.3	22.42	0.01	1.4	15.4	
22-06-22 5:00	15.37	435654.6	20.77	0.01	2.6	15.4	
22-06-22 6:00	15.37	434539.6	21.24	0.01	3.89	15.4	
22-06-22 7:00	15.38	442771.4	22.42	0.02	1.5	15.4	
22-06-22 8:00	15.31	468087	27.99	0	0.37	15.3	
22-06-22 9:00	15.37	465492.8	25.4	0	0.44	15.4	
22-06-22 10:00	14.84	566956.3	5.87	0	0.34	14.8	
22-06-22 11:00	14.91	540799	16.7	0	0.35	14.9	
22-06-22 12:00	14.95	524921.8	20.99	0	0.35	14.9	
22-06-22 13:00	14.9	536728.6	19.57	0	0.35	14.9	
22-06-22 14:00	14.88	536757.1	19.41	0	0.35	14.9	
22-06-22 15:00	14.87	534032.1	19.67	0	0.35	14.9	
22-06-22 16:00	14.92	531602.6	21.67	0	0.35	14.9	
22-06-22 17:00	14.95	524850.8	23.85	0	0.35	15	
22-06-22 18:00	15	525920.9	23.81	0	0.35	15	
22-06-22 19:00	15.02	523387.6	22.35	0	0.35	15	
22-06-22 20:00	15.01	524629.4	24.78	0	0.35	15	
22-06-22 21:00	15	526374.2	23.85	0	0.35	15	
22-06-22 22:00	15.09	511094.6	20.83	0.05	1.58	15.1	
22-06-22 23:00	15.3	447826	23.27	0	0.51	15.3	
23-06-22 0:00	15.3	448437.5	22.28	0	0.53	15.3	
23-06-22 1:00	15.29	448488.8	23.34	0	0.43	15.3	
23-06-22 2:00	15.31	443107.1	20.93	0.01	0.65	15.3	
23-06-22 3:00	15.31	442549.5	21.14	0.02	1.03	15.3	
23-06-22 4:00	15.35	440197.2	21.56	0.01	2.36	15.3	
23-06-22 5:00	15.35	441864	22.57	0.01	2.78	15.4	
23-06-22 6:00	15.37	443055.8	21.74	0	1.88	15.4	
23-06-22 7:00	15.38	446194.8	21.01	0	0.65	15.4	
23-06-22 8:00	15.25	475949.4	26.52	0	0.37	15.3	
23-06-22 9:00	15.29	479103.5	26.64	0	0.37	15.3	

23-06-22 10:00	14.94	530450.2	18.85	0	0.35	14.9	
23-06-22 11:00	14.89	530959.8	19.01	0	0.35	14.9	
23-06-22 12:00	14.93	524757.1	17.52	0	0.35	14.9	
23-06-22 13:00	14.86	534197	19.11	0	0.35	14.9	
23-06-22 14:00	14.86	537001.7	19.34	0	0.34	14.9	
23-06-22 15:00	14.86	534566.8	19.42	0	0.35	14.9	
23-06-22 16:00	14.87	531409	17.94	0	0.35	14.9	
23-06-22 17:00	14.99	520764.8	24.05	0	0.35	15	
23-06-22 18:00	14.99	523757.4	23.34	0	0.35	15	
23-06-22 19:00	15.02	524116.8	21.99	0	0.35	15	
23-06-22 20:00	15	526536.3	22.16	0	0.35	15	
23-06-22 21:00	15	527239.4	22.97	0	0.35	15	
23-06-22 22:00	15.08	510276.1	21.54	0.01	1.14	15.1	
23-06-22 23:00	15.33	444247.7	21.87	0	0.58	15.3	
24-06-22 0:00	15.29	445240.4	23.13	0	0.52	15.3	
24-06-22 1:00	15.29	443616.2	22.11	0	0.65	15.3	
24-06-22 2:00	15.29	443286.3	22.07	0.01	0.66	15.3	
24-06-22 3:00	15.31	438507.6	20.68	0.03	1.93	15.3	
24-06-22 4:00	15.31	437187.8	21.23	0.01	2.98	15.3	
24-06-22 5:00	15.3	439193.1	21.97	0.01	1.79	15.3	
24-06-22 6:00	15.3	437315.8	21.28	0.01	1.46	15.3	
24-06-22 7:00	15.32	437048.4	22.37	0	1.16	15.3	
24-06-22 8:00	15.28	458731.6	24.38	0	0.37	15.3	
24-06-22 9:00	15.31	465714.7	23.4	0	0.37	15.3	
24-06-22 10:00	14.92	532099.7	18.59	0	0.35	14.9	
24-06-22 11:00	14.93	531209.9	19.49	0	0.35	14.9	
24-06-22 12:00	14.92	521514.3	20.32	0	0.35	14.9	
24-06-22 13:00	14.84	532461.9	19.18	0	0.34	14.8	
24-06-22 14:00	14.83	533906.9	19.07	0	0.34	14.8	
24-06-22 15:00	14.82	531984.1	19.01	0	0.34	14.8	
24-06-22 16:00	14.84	527324.3	19.11	0	0.34	14.8	
24-06-22 17:00	14.98	510930.1	31.82	0	0.35	15	
24-06-22 18:00	14.99	511618.3	23.4	0	0.35	15	
24-06-22 19:00	14.99	521334.2	22.69	0	0.35	15	
24-06-22 20:00	14.93	531491.7	24.1	0	0.35	14.9	
24-06-22 21:00	14.9	533807.3	21	0	0.35	14.9	
24-06-22 22:00	14.96	516158.6	16.24	0	1.15	15	
24-06-22 23:00	15.3	444230.6	21.17	0	0.89	15.3	
25-06-22 0:00	15.29	442979.1	21.3	0	0.7	15.3	
25-06-22 1:00	15.26	443684.5	21.88	0	0.54	15.3	
25-06-22 2:00	15.26	442654.8	21.83	0	0.51	15.3	
25-06-22 3:00	15.3	436331.6	19.13	0.01	2.41	15.3	
25-06-22 4:00	15.31	433131.6	18.47	0.01	2.74	15.3	
25-06-22 5:00	15.33	422854.6	17.67	0.01	8.25	15.3	
25-06-22 6:00	15.38	418841.1	15.01	0.02	9.66	15.4	
25-06-22 7:00	15.36	420587.6	17.76	0.01	9.53	15.4	
25-06-22 8:00	15.3	436052.8	23.43	0	1.92	15.3	
25-06-22 9:00	15.35	447180.3	20.05	0	0.56	15.4	
25-06-22 10:00	14.96	523508	23.66	0	0.35	15	
25-06-22 11:00	14.99	516278	25.49	0	0.35	15	
25-06-22 12:00	15.06	507886.4	31.74	0	0.36	15.1	
25-06-22 13:00	14.96	512235.8	26.07	0	0.35	15	
25-06-22 14:00	14.97	508694.3	34.99	0	0.35	15	
25-06-22 15:00	15	506438.6	45.05	0	0.35	15	
25-06-22 16:00	15.06	508296	33.61	0	0.36	15.1	
25-06-22 17:00	15.07	487403.6	34.6	0	0.36	15.1	
25-06-22 18:00	15.09	480619.6	33.16	0	0.35	15.1	
25-06-22 19:00	15.02	507217.8	27.65	0	0.35	15	
25-06-22 20:00	14.94	529699.4	25.55	0	0.35	14.9	
25-06-22 21:00	15.02	523447.3	21.6	0	0.35	15	
25-06-22 22:00	14.86	544414.2	10.85	0	0.35	14.9	
25-06-22 23:00	14.66	573461.8	1.83	0	0.33	14.7	
26-06-22 0:00	14.65	574753.1	2.08	0	0.33	14.7	
26-06-22 1:00	14.64	575725.9	1.93	0	0.33	14.6	
26-06-22 2:00	14.63	575947.8	1.79	0	0.33	14.6	
26-06-22 3:00	14.64	575964.9	1.81	0	0.33	14.6	
26-06-22 4:00	14.64	575487	1.64	0	0.33	14.6	
26-06-22 5:00	14.64	574593.9	1.42	0	0.33	14.6	
26-06-22 6:00	14.65	575504.1	1.48	0	0.33	14.6	
26-06-22 7:00	14.69	573604	1.73	0	0.34	14.7	
26-06-22 8:00	14.71	569445.4	2.92	0	0.34	14.7	
26-06-22 9:00	14.74	564895.2	4.22	0	0.34	14.7	
26-06-22 10:00	14.76	561617.5	4.1	0	0.34	14.8	
26-06-22 11:00	14.76	559415.9	3.91	0	0.34	14.8	
26-06-22 12:00	14.76	555240.3	3.79	0	0.34	14.8	
26-06-22 13:00	14.76	555240.3	3.65	0	0.34	14.8	
26-06-22 14:00	14.74	556907.1	3.26	0	0.34	14.7	
26-06-22 15:00	14.72	559034.8	2.92	0	0.34	14.7	
26-06-22 16:00	14.68	568934.8	1.35	0	0.34	14.7	
26-06-22 17:00	14.64	576812.5	0.73	0	0.33	14.6	
26-06-22 18:00	14.96	526296.6	14.72	0	0.35	15	
26-06-22 19:00	15.11	483811.1	29.23	0	0.36	15.1	
26-06-22 20:00	15.14	479594.2	28.97	0	0.36	15.1	
26-06-22 21:00	15.11	481600.6	25	0	0.36	15	
26-06-22 22:00	15.17	574044.7	1.5	0	0.34	14.7	
26-06-22 23:00	14.68	576198.1	1.79	0	0.34	14.7	
27-06-22 0:00	14.67	576744.3	1.66	0	0.33	14.7	
27-06-22 1:00	14.65	576704.4	1.61	0	0.33	14.6	
27-06-22 2:00	14.66	578354.2	1.63	0	0.33	14.7	
27-06-22 3:00	14.66	577069.5	1.33	0	0.33	14.7	
27-06-22 4:00	14.66	577739.8	1.08	0	0.33	14.7	

27-06-22 5:00	14.66	577768.3	0.08	0	0.33	14.7	
27-06-22 6:00	14.67	577608.9	0.41	0	0.33	14.7	
27-06-22 7:00	14.69	575168.4	1.71	0	0.34	14.7	
27-06-22 8:00	15.28	464503.2	23.81	0	0.38	15.3	
27-06-22 9:00	15.24	470868.8	31.14	0	0.37	15.2	
27-06-22 10:00	14.95	527614.6	19.38	0	0.35	15	
27-06-22 11:00	14.91	527314.4	20.31	0	0.35	14.9	
27-06-22 12:00	15.02	510580.1	33.21	0	0.35	15	
27-06-22 13:00	14.83	533126.9	19.13	0	0.34	14.8	
27-06-22 14:00	14.8	533804.5	17.92	0	0.34	14.8	
27-06-22 15:00	14.86	524513.3	21.35	0	0.35	14.9	
27-06-22 16:00	14.9	523945.4	24.12	0	0.35	14.9	
27-06-22 17:00	14.96	527887.1	18.33	0	0.35	15	
27-06-22 18:00	14.97	525194.8	21.27	0	0.35	15	
27-06-22 19:00	14.97	523704.1	22.38	0	0.35	15	
27-06-22 20:00	14.92	538812.4	26.28	0	0.35	14.9	
27-06-22 21:00	14.93	529907.3	25.86	0	0.35	14.9	
27-06-22 22:00	15.01	513092	25.32	0.02	0.77	15	
27-06-22 23:00	15.25	444978.7	24.15	0.01	0.78	15.2	
28-06-22 0:00	15.25	447740.7	23.39	0.03	0.74	15.2	
28-06-22 1:00	15.24	445155.1	22.97	0.04	0.62	15.2	
28-06-22 2:00	15.25	444412.7	23.1	0.03	1.03	15.2	
28-06-22 3:00	15.26	439838.8	22.81	0.03	0.89	15.3	
28-06-22 4:00	15.25	437867.6	22.93	0.04	0.93	15.3	
28-06-22 5:00	15.26	447572.8	23.67	0.04	0.77	15.3	
28-06-22 6:00	15.25	450986.2	23.31	0.05	0.49	15.3	
28-06-22 7:00	15.22	459067.2	25.3	0.03	0.37	15.2	
28-06-22 8:00	15.18	476771.1	28.43	0.01	0.36	15.2	
28-06-22 9:00	15.22	478526.1	26.94	0	0.37	15.2	
28-06-22 10:00	14.83	538989.6	14.03	0	0.34	14.8	
28-06-22 11:00	14.84	528850.8	21.41	0	0.34	14.8	
28-06-22 12:00	15	507610.5	41.37	0	0.35	15	
28-06-22 13:00	14.83	534939.1	18.29	0	0.34	14.8	
28-06-22 14:00	14.83	532843.1	18.9	0	0.34	14.8	
28-06-22 15:00	14.8	532395.6	18.59	0	0.34	14.8	
28-06-22 16:00	14.78	530544.7	17.19	0	0.34	14.8	
28-06-22 17:00	14.93	509445.4	38.03	0	0.35	14.9	
28-06-22 18:00	14.95	508657.3	39.85	0	0.35	14.9	
28-06-22 19:00	14.93	511114.9	25.12	0	0.35	14.9	
28-06-22 20:00	14.92	514331.9	25.15	0	0.35	14.9	
28-06-22 21:00	14.92	519497.8	26.15	0	0.35	14.9	
28-06-22 22:00	15	505623	25.37	0	0.76	15	
28-06-22 23:00	15.24	445126.6	23.49	0	0.42	15.2	
29-06-22 0:00	15.22	443858.9	24.93	0	0.43	15.2	
29-06-22 1:00	15.21	446531.8	25.18	0	0.5	15.2	
29-06-22 2:00	15.21	447661	22.81	0.01	0.52	15.2	
29-06-22 3:00	15.19	444151	23.44	0.03	0.37	15.2	
29-06-22 4:00	15.22	439571.4	21.24	0.05	1.31	15.2	
29-06-22 5:00	15.21	436303.2	22.34	0.07	2.09	15.2	
29-06-22 6:00	15.21	441033.5	23.06	0.04	1.18	15.2	
29-06-22 7:00	15.21	442578	23.31	0.03	0.57	15.2	
29-06-22 8:00	15.19	458498.3	26.36	0	0.37	15.2	
29-06-22 9:00	15.21	461152.2	25.78	0	0.37	15.2	
29-06-22 10:00	14.79	539396	15.44	0	0.34	14.8	
29-06-22 11:00	14.78	534381.8	18.22	0	0.34	14.8	
29-06-22 12:00	14.82	525386	19.14	0	0.34	14.8	
29-06-22 13:00	14.76	538776.6	17.78	0	0.34	14.8	
29-06-22 14:00	14.75	538554.8	17.52	0	0.34	14.8	
29-06-22 15:00	14.75	537468.1	17.42	0	0.34	14.7	
29-06-22 16:00	14.76	532222.6	17.87	0	0.34	14.8	
29-06-22 17:00	14.91	504282.7	39.95	0	0.35	14.9	
29-06-22 18:00	14.93	504970.9	43.19	0	0.35	14.9	
29-06-22 19:00	14.92	506020.5	43.56	0	0.35	14.9	
29-06-22 20:00	14.91	509755.2	28.34	0	0.35	14.9	
29-06-22 21:00	14.91	513876.8	25.11	0	0.35	14.9	
29-06-22 22:00	14.99	502476.4	23.88	0	0.91	15	
29-06-22 23:00	15.22	440589.7	23.71	0	0.48	15.2	
30-06-22 0:00	15.21	442492.7	23.36	0	0.42	15.2	
30-06-22 1:00	15.16	446918.6	25.56	0	0.38	15.2	
30-06-22 2:00	15.18	443892.1	23.62	0	0.33	15.2	
30-06-22 3:00	15.19	439878.6	23.24	0	0.74	15.2	
30-06-22 4:00	15.22	437614.4	22.05	0	1.65	15.2	
30-06-22 5:00	15.2	441571.1	23.57	0	0.94	15.2	
30-06-22 6:00	15.2	445863.3	23.8	0.01	0.5	15.2	
30-06-22 7:00	15.22	451222.3	22.36	0	0.42	15.2	
30-06-22 8:00	15.17	470399.5	28.41	0	0.36	15.2	
30-06-22 9:00	15.2	473212.7	26.38	0	0.37	15.2	
30-06-22 10:00	14.79	538164.8	15.18	0	0.34	14.8	
30-06-22 11:00	14.8	530837.5	18.34	0	0.34	14.8	
30-06-22 12:00	14.9	511588.5	31.41	0	0.35	14.9	
30-06-22 13:00	14.78	529870.5	17.26	0	0.34	14.8	
30-06-22 14:00	14.76	528138.1	16.9	0	0.34	14.8	
30-06-22 15:00	14.76	527654.1	17.28	0	0.34	14.8	
30-06-22 16:00	14.77	527101.5	17.59	0	0.34	14.8	
30-06-22 17:00	14.86	508822.3	38.39	0	0.35	14.9	
30-06-22 18:00	14.87	510008.4	24.77	0	0.35	14.9	
30-06-22 19:00	14.86	511467.6	24.16	0	0.35	14.9	
30-06-22 20:00	14.87	512747.6	23.97	0	0.35	14.9	
30-06-22 21:00	14.88	515836.8	24.17	0	0.35	14.9	
30-06-22 22:00	15.79	446921.5	19.35	0.04	2.8	15.8	
30-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	

Minimum	14.53	106,470.70	0.00	0.00	0.33	6.30	
Maximum	20.35	582,108.90	45.05	0.49	12.25	20.40	
Avg	14.97	510,669.30	18.67	0.01	0.74	14.96	
SUM							
STD			STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690	

Site Name: GULF_NRV1
Stack Name: HRSO_STACK2
Periodically: 01/01/2022 00:00-31/01/2022 23:59

Date & Time	Emission Concentration for Standardization Comparison						Remark
	O2	FLOW @ 1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2	
	%	m3/hr	ppm	ppm	mg/m3	ppm	
01-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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01-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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01-01-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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01-01-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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03-01-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 18:00	14.56	489287.2	22.74	0	2.72	61.59	
03-01-22 19:00	14.56	490006.3	36.44	0	0.33	11.49	
03-01-22 20:00	14.68	484869.6	30.17	1.55	2.97	53.01	
03-01-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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04-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-01-22 14:00	14.45	526094.1	30.55	0	0.32	13.37	
04-01-22 15:00	14.39	532135.5	25.06	0.01	0.32	11.52	
04-01-22 16:00	14.37	535672.6	18.65	0	0.32	11.57	
04-01-22 17:00	14.48	521260.1	38.17	0	0.32	13.12	
04-01-22 18:00	14.5	524376.3	30.97	0	0.33	16.29	
04-01-22 19:00	14.5	527426.8	32.63	0	0.33	16.28	
04-01-22 20:00	14.52	531528.9	32.45	0	0.33	17.9	
04-01-22 21:00	14.57	522030.4	30.88	0.33	1.87	30.37	
04-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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05-01-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-01-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-01-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-01-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-01-22 14:00	14.29	513726.1	44.89	0.15	0.31	8.32	
05-01-22 15:00	14.25	512366.4	43.48	0.15	0.31	7.93	
05-01-22 16:00	14.24	519948.6	39.08	0.14	0.31	8.83	
05-01-22 17:00	14.25	532384.3	20.24	0.03	0.31	10.65	
05-01-22 18:00	14.37	518517.3	39.41	0	0.32	13.41	
05-01-22 19:00	14.37	523140.1	30.84	0	0.32	9.44	
05-01-22 20:00	14.34	530282.1	25.63	0	0.32	12.43	
05-01-22 21:00	14.34	538019.6	29.57	0	0.32	14.74	
05-01-22 22:00	14.19	577864.6	24.05	0.05	0.31	25.53	
05-01-22 23:00	14.18	578,251.80	26.70	0.03	0.31	22.74	
06-01-22 0:00	14.18	579,998.30	26.24	0.08	0.31	23.24	
06-01-22 1:00	14.22	578,029.80	23.33	0.14	0.31	18.44	
06-01-22 2:00	14.24	577,068.50	21.68	0.17	0.31	17.97	
06-01-22 3:00	14.25	578,871.90	19.39	0.21	0.31	18.21	
06-01-22 4:00	14.25	579,400.90	18.63	0.27	0.31	18.69	
06-01-22 5:00	14.26	580,060.90	17.86	0.29	0.31	18.80	
06-01-22 6:00	14.28	579,400.90	17.95	0.33	0.31	18.72	
06-01-22 7:00	14.29	578,081.10	19.11	0.32	0.32	18.92	
06-01-22 8:00	14.28	577,367.40	22.07	0.32	0.31	17.76	
06-01-22 9:00	14.22	576,556.50	24.32	0.28	0.31	16.86	
06-01-22 10:00	14.12	575,213.90	25.73	0.28	0.31	22.16	
06-01-22 11:00	14.07	564,433.50	24.48	0.34	0.31	25.00	
06-01-22 12:00	14.09	561094.1	21.88	0.27	0.31	24.03	
06-01-22 13:00	14.18	536147.7	29.78	0.19	0.31	16.69	
06-01-22 14:00	14.18	525821.4	18.76	0.2	0.31	8.28	
06-01-22 15:00	14.16	524273.4	20.05	0.22	0.31	7.09	
06-01-22 16:00	14.18	526352.5	17.06	0.22	0.31	7.33	
06-01-22 17:00	14.15	544744.3	20.11	0.15	0.31	9.5	
06-01-22 18:00	14.26	534959.4	17.29	0.02	0.31	8.12	
06-01-22 19:00	14.3	535289.3	18.68	0	0.32	9.76	
06-01-22 20:00	14.31	536933.3	18.77	0	0.32	11.16	
06-01-22 21:00	14.43	516359.9	29.68	0.1	1.36	19.72	
06-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-01-22 23:00	14.61	455469	30.11	0	0.41	13.06	
07-01-22 0:00	14.62	459559.3	27.88	0	0.35	10.58	
07-01-22 1:00	14.59	464730.5	29.27	0	0.33	7.8	
07-01-22 2:00	14.6	460682.9	27.65	0.01	0.41	10.53	
07-01-22 3:00	14.62	454971.2	24.99	0.05	0.81	15.11	
07-01-22 4:00	14.6	448019.4	26.36	0.03	0.47	11.03	
07-01-22 5:00	14.61	447174.6	28.17	0.05	0.4	8.67	
07-01-22 6:00	14.62	451555.1	27.9	0.07	0.6	9.85	
07-01-22 7:00	14.62	449034.9	29.17	0.06	0.35	7.93	
07-01-22 8:00	14.62	447415.8	25.61	0.06	0.32	16.67	
07-01-22 9:00	14.56	482112.9	27.82	0.23	0.33	23.11	
07-01-22 10:00	14.54	483421.4	23.7	0.34	0.33	32.04	
07-01-22 11:00	14.53	481288	21.87	0.39	0.33	33.05	
07-01-22 12:00	14.56	472328	20.68	0.36	0.33	36.72	
07-01-22 13:00	14.36	50760.2	29.45	0.15	0.32	17.74	
07-01-22 14:00	14.27	513330.7	40.2	0.14	0.34	8.56	
07-01-22 15:00	14.26	512810.2	40.09	0.18	0.31	8.46	
07-01-22 16:00	14.26	519797.8	33.33	0.35	0.31	16.19	
07-01-22 17:00	14.25	533923.8	10.71	0.6	0.31	32.94	
07-01-22 18:00	14.34	527783.3	26.5	0.34	0.32	9.96	
07-01-22 19:00	14.37	519797	40.88	0	0.32	9.73	
07-01-22 20:00	14.38	524238.9	28.85	0	0.32	10.01	
07-01-22 21:00	14.4	520872.8	29.22	0.35	1.37	24.1	
07-01-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-01-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

31-01-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-01-22 9:00	14.37	469665.6	31.72	1.02	0.32	11.22	
31-01-22 10:00	14.28	470641.3	31.18	1.15	0.31	8.23	
31-01-22 11:00	14.26	475075.8	31.53	1.24	0.31	9.01	
31-01-22 12:00	14.33	468701.4	28.92	1.22	0.32	11.67	
31-01-22 13:00	14.2	509123.7	26.4	1.21	0.31	15.65	
31-01-22 14:00	14.04	531328.9	17.52	1.13	0.3	12	
31-01-22 15:00	13.93	553874.9	20.84	1.26	0.3	25.87	
31-01-22 16:00	13.95	547210	21.12	1.24	0.3	23.33	
31-01-22 17:00	14.14	511984.8	32.19	1.11	0.31	11.3	
31-01-22 18:00	14.17	514408.2	32.99	1.06	0.31	11.21	
31-01-22 19:00	14.25	510486.3	39.91	0.94	0.31	10.04	
31-01-22 20:00	14.28	512852.8	40.18	0.83	0.31	10.27	
31-01-22 21:00	14.28	515866.2	41.46	0.84	0.31	11.25	
31-01-22 22:00	14.45	465908.1	25.07	1.28	2.5	38.99	
31-01-22 23:00	14.44	459974.6	29.59	0.77	0.38	10.69	
Minimum	13.93	447,174.63	10.71	0.50	0.30	6.86	
Maximum	14.70	580,060.90	49.33	2.33	2.87	69.59	
Avg	14.32	515,626.39	31.82	0.51	0.49	13.51	
SUM							
STD							

Site Name: GULF_NRV1
Stack Name: HRSO_STACK2
Periodically: 01/02/2020 00:00-29/02/2020 23:59

Date & Time	O2	FLOW @1 ATM 25C m3/hr	Emission Concentration for Standardization Comparison				Remark
			HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust(7%O2)	HRSO1_CO@7%O2	
	%		ppm	ppm	mg/m3	ppm	
01-02-22 0:00	14.47	450593.6	28.58	0.72	0.62	11.44	
01-02-22 1:00	14.46	461804.5	28.61	0.82	0.38	16.75	
01-02-22 2:00	14.45	452032.9	27.96	0.76	0.43	11.43	
01-02-22 3:00	14.44	445504.9	29.47	0.74	0.43	9.85	
01-02-22 4:00	14.45	441861.2	29.16	0.75	1.84	10.14	
01-02-22 5:00	14.47	440569.8	28.30	0.78	1.12	10.34	
01-02-22 6:00	14.47	436263.3	29.75	0.80	1.52	8.86	
01-02-22 7:00	14.51	432892.7	27.45	0.83	5.77	10.98	
01-02-22 8:00	14.47	464969.5	29.17	0.81	0.32	9.31	
01-02-22 9:00	14.41	470208.9	29.51	0.88	0.32	8.32	
01-02-22 10:00	14.36	471,873	29.35	0.98	0.32	8.78	
01-02-22 11:00	14.38	469,976	28.06	0.98	0.32	11.16	
01-02-22 12:00	14.37	464,901	27.56	1.02	0.32	10.31	
01-02-22 13:00	14.24	502,669	29.06	1.03	0.31	13.21	
01-02-22 14:00	14.02	547,369	21.00	1.07	0.30	15.11	
01-02-22 15:00	13.97	557,960	19.94	1.15	0.30	20.36	
01-02-22 16:00	13.96	555,382	19.42	1.17	0.30	21.36	
01-02-22 17:00	14.19	505,327	38.45	1.10	0.31	11.29	
01-02-22 18:00	14.21	509,047	38.83	1.06	0.31	10.40	
01-02-22 19:00	14.25	512,483	39.97	0.93	0.31	10.84	
01-02-22 20:00	14.27	517,060	41.12	0.80	0.31	11.28	
01-02-22 21:00	14.33	517,740	41.07	0.28	0.32	10.85	
01-02-22 22:00	14.44	463,877	25.07	1.08	1.17	29.95	
01-02-22 23:00	14.45	453,463.70	26.93	0.78	0.81	13.09	
02-02-22 0:00	14.44	457,539.80	28.24	0.76	0.63	9.55	
02-02-22 1:00	14.43	456,567.00	29.12	0.80	0.60	8.79	
02-02-22 2:00	14.44	454,305.60	28.36	0.82	0.37	8.66	
02-02-22 3:00	14.44	453,830.60	27.90	0.83	0.41	9.18	
02-02-22 4:00	14.48	447,845.90	25.85	0.83	0.48	13.25	
02-02-22 5:00	14.51	444,645.90	25.25	0.85	1.37	14.91	
02-02-22 6:00	14.48	453,571.80	29.30	0.82	0.34	8.76	
02-02-22 7:00	14.53	445,206.30	27.36	0.87	0.78	11.58	
02-02-22 8:00	14.46	470,624.20	30.09	0.87	0.32	8.63	
02-02-22 9:00	14.43	480,247.00	30.16	0.91	0.32	10.66	
02-02-22 10:00	14.39	476,771.10	29.25	1.00	0.32	12.24	
02-02-22 11:00	14.35	477,792.20	29.35	1.07	0.32	12.41	
02-02-22 12:00	14.36	465,652.10	28.16	1.02	0.32	8.74	
02-02-22 13:00	14.24	508,045	27.33	1.13	0.31	16.65	
02-02-22 14:00	14.08	532,439	24.61	1.13	0.31	14.87	
02-02-22 15:00	14.03	532,633	15.94	1.14	0.30	13.39	
02-02-22 16:00	14.07	531,215	18.24	1.09	0.31	12.88	
02-02-22 17:00	14.28	513,170	31.71	1.08	0.31	25.29	
02-02-22 18:00	14.41	493,016	30.53	1.09	0.32	31.92	
02-02-22 19:00	14.36	500,619	37.00	0.84	0.32	11.85	
02-02-22 20:00	14.32	521,665	31.06	0.87	0.32	13.95	
02-02-22 21:00	14.31	530,075	30.36	0.90	0.32	16.58	
02-02-22 22:00	14.52	463,974	22.12	1.52	0.86	43.74	
02-02-22 23:00	14.48	455,298	29.30	0.94	0.32	10.92	
03-02-22 0:00	14.48	452,858	29.26	0.96	0.36	10.02	
03-02-22 1:00	14.47	458,456	28.27	0.97	0.36	10.72	
03-02-22 2:00	14.48	457,418	27.05	1.02	0.41	12.08	
03-02-22 3:00	14.50	443,619	27.42	1.02	0.75	11.26	
03-02-22 4:00	14.49	440,493	28.10	1.03	1.44	9.36	
03-02-22 5:00	14.49	439,409	28.09	1.04	1.78	10.00	
03-02-22 6:00	14.50	447,141	28.18	1.07	0.86	9.96	
03-02-22 7:00	14.52	446,634	26.94	1.12	1.00	11.86	
03-02-22 8:00	14.49	465,013	28.71	1.08	0.33	9.75	
03-02-22 9:00	14.45	474,703	29.12	1.13	0.32	11.69	
03-02-22 10:00	14.41	474,242	28.96	1.13	0.32	11.69	
03-02-22 11:00	14.36	477,903	30.11	1.10	0.32	8.03	
03-02-22 12:00	14.38	460,125	29.30	1.09	0.37	8.06	
03-02-22 13:00	14.26	505,863	29.67	1.17	0.31	17.45	
03-02-22 14:00	14.19	509,801	39.06	1.15	0.31	10.12	
03-02-22 15:00	14.18	509,204	38.31	1.17	0.31	10.19	
03-02-22 16:00	14.08	525,089	24.62	1.16	0.31	13.13	
03-02-22 17:00	14.20	509,624	39.41	1.14	0.31	10.23	
03-02-22 18:00	14.24	513,752	40.05	1.02	0.31	10.21	
03-02-22 19:00	14.27	517,427	41.68	0.87	0.31	11.43	
03-02-22 20:00	14.28	518,940	42.63	0.82	0.32	12.83	
03-02-22 21:00	14.29	521,932	31.19	0.80	0.32	13.52	
03-02-22 22:00	14.46	463,438	26.54	0.93	1.28	25.92	
03-02-22 23:00	14.45	456,620.50	29.67	0.80	0.43	9.80	
04-02-22 0:00	14.48	456,185.80	28.83	0.80	0.38	8.90	
04-02-22 1:00	14.47	460,384.20	29.28	0.81	0.38	8.69	
04-02-22 2:00	14.50	454,755.10	28.41	0.83	0.38	10.84	
04-02-22 3:00	14.50	449,709.00	29.70	0.85	0.55	9.33	
04-02-22 4:00	14.53	447,086.40	27.97	0.92	1.17	11.26	
04-02-22 5:00	14.54	447,413.50	28.04	0.95	0.60	9.98	
04-02-22 6:00	14.58	441,283.80	26.06	1.01	2.02	12.76	
04-02-22 7:00	14.60	446,924.30	25.24	1.03	0.38	12.74	
04-02-22 8:00	14.58	468,823.70	26.66	1.05	0.33	13.26	
04-02-22 9:00	14.49	484,954.50	31.33	1.00	0.33	7.61	
04-02-22 10:00	14.51	485,964.30	29.71	1.04	0.33	12.39	

04-02-22 11:00	14.50	481.987.80	29.58	1.08	0.33	13.39	
04-02-22 12:00	14.51	469.352.80	27.65	1.05	0.33	11.24	
04-02-22 13:00	14.37	511.680	29.60	1.18	0.32	22.38	
04-02-22 14:00	14.28	520.642	40.58	1.00	0.32	10.79	
04-02-22 15:00	14.27	519.148	41.61	0.97	0.31	10.14	
04-02-22 16:00	14.28	521.186	42.39	0.91	0.32	10.64	
04-02-22 17:00	14.31	519.046	32.71	0.82	0.32	11.27	
04-02-22 18:00	14.36	502.226	38.51	0.77	0.32	10.32	
04-02-22 19:00	14.37	504.729	37.98	0.75	0.32	9.84	
04-02-22 20:00	14.37	509.459	38.05	0.72	0.32	8.96	
04-02-22 21:00	14.43	502.923	34.82	1.26	1.51	22.92	
04-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-02-22 14:00	14.36	496.372	41.71	1.02	0.32	13.18	
05-02-22 15:00	14.35	483.922	39.34	1.02	0.32	11.90	
05-02-22 16:00	14.34	486.923	38.19	0.98	0.32	11.35	
05-02-22 17:00	14.38	478.489	38.51	0.87	0.32	10.96	
05-02-22 18:00	14.40	482.560	38.70	0.79	0.32	11.03	
05-02-22 19:00	14.41	490.456	38.85	0.71	0.32	10.44	
05-02-22 20:00	14.42	500.005	39.21	0.66	0.32	8.98	
05-02-22 21:00	14.39	515.679	33.19	0.31	0.32	15.54	
05-02-22 22:00	14.16	582.735	24.45	0.84	0.31	29.23	
05-02-22 23:00	14.16	586.028.50	23.65	0.86	0.31	30.17	
06-02-22 0:00	14.17	586.694.10	23.85	0.91	0.31	30.86	
06-02-22 1:00	14.16	589.908.30	25.02	0.97	0.31	31.29	
06-02-22 2:00	14.15	592.160	24.59	1.04	0.31	31.00	
06-02-22 3:00	14.16	593.259.10	20.75	1.11	0.31	35.34	
06-02-22 4:00	14.15	594.936.80	20.70	1.20	0.31	37.67	
06-02-22 5:00	14.16	595.649.80	25.41	1.26	0.31	38.85	
06-02-22 6:00	14.17	596.791.30	30.81	1.28	0.31	39.23	
06-02-22 7:00	14.19	597.231.00	31.46	1.32	0.31	40.11	
06-02-22 8:00	14.20	596.283.60	31.37	1.31	0.31	39.81	
06-02-22 9:00	14.20	595.573.30	31.21	1.32	0.31	40.19	
06-02-22 10:00	14.19	590.664.90	28.84	1.31	0.31	38.55	
06-02-22 11:00	14.16	582.481.60	27.78	1.34	0.31	39.88	
06-02-22 12:00	14.13	571.760.90	27.38	1.31	0.31	37.98	
06-02-22 13:00	14.10	564.900	25.51	1.28	0.31	36.99	
06-02-22 14:00	14.05	562.164	24.13	1.30	0.30	36.55	
06-02-22 15:00	14.02	560.446	23.42	1.29	0.30	34.55	
06-02-22 16:00	14.04	561.447	23.55	1.22	0.30	33.23	
06-02-22 17:00	14.11	564.909	26.76	1.09	0.31	31.01	
06-02-22 18:00	14.34	502.037	37.83	0.91	0.32	17.31	
06-02-22 19:00	14.39	489.591	40.80	0.83	0.32	11.72	
06-02-22 20:00	14.46	482.690	37.54	1.26	2.06	22.81	
06-02-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
06-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-02-22 8:00	14.94	449.885.40	17.85	5.50	8.66	132.00	
07-02-22 9:00	14.44	474.066.00	34.73	1.27	0.32	13.39	
07-02-22 10:00	14.37	471.306.90	33.40	1.24	0.32	8.20	
07-02-22 11:00	14.31	479.601.30	33.81	1.29	0.32	7.17	
07-02-22 12:00	14.35	479.752.00	31.12	1.32	0.32	11.91	
07-02-22 13:00	14.21	517.227.90	27.12	1.21	0.31	17.03	
07-02-22 14:00	14.04	543.445.30	24.80	1.27	0.30	13.41	
07-02-22 15:00	13.96	553.607.50	19.80	1.30	0.30	16.78	
07-02-22 16:00	13.98	552.350.30	19.45	1.26	0.30	14.78	
07-02-22 17:00	14.19	508.856.70	40.22	1.24	0.31	10.07	
07-02-22 18:00	14.23	512.859	41.20	0.31	1.14	9.55	
07-02-22 19:00	14.28	515.712	41.97	0.99	0.31	9.64	
07-02-22 20:00	14.29	517.646	42.55	0.87	0.32	10.67	
07-02-22 21:00	14.29	520.249.70	43.65	0.83	0.32	11.55	
07-02-22 22:00	14.43	469.116.70	29.41	0.96	0.83	19.67	
07-02-22 23:00	14.45	463.800.40	29.95	0.84	0.38	11.11	
08-02-22 0:00	14.45	460.321.60	28.93	0.85	0.32	11.73	
08-02-22 1:00	14.40	465.746.00	30.80	0.81	0.32	7.78	
08-02-22 2:00	14.44	457.593.80	27.86	0.87	0.73	11.43	
08-02-22 3:00	14.47	454.450.70	26.89	0.89	0.47	13.24	
08-02-22 4:00	14.45	458.950.60	28.74	0.43	0.95	10.10	
08-02-22 5:00	14.49	453.179.20	27.01	0.92	0.37	13.19	

08-02-22 6:00	14.51	449.896.80	26.99	0.99	1.25	13.68
08-02-22 7:00	14.51	455.130.50	26.65	1.00	0.65	13.82
08-02-22 8:00	14.45	470.718.10	30.09	0.95	0.32	8.06
08-02-22 9:00	14.39	478.016.90	30.81	1.02	0.32	8.04
08-02-22 10:00	14.31	485.074.30	31.47	1.17	0.32	8.12
08-02-22 11:00	14.28	488.552.80	31.81	1.22	0.31	7.92
08-02-22 12:00	14.33	479.097.80	30.52	1.28	0.32	14.38
08-02-22 13:00	14.16	520.750	27.84	1.22	0.31	13.67
08-02-22 14:00	13.98	558.802	21.73	1.25	0.30	19.44
08-02-22 15:00	13.96	558.432	22.06	1.28	0.30	20.67
08-02-22 16:00	13.98	557.778	22.04	1.26	0.30	20.37
08-02-22 17:00	14.19	507.748	38.27	1.20	0.31	9.92
08-02-22 18:00	14.23	507.909	40.29	1.16	0.31	9.23
08-02-22 19:00	14.25	510.336	40.66	1.04	0.31	9.75
08-02-22 20:00	14.26	515.751	40.53	0.92	0.31	9.44
08-02-22 21:00	14.28	518.400	41.40	0.82	0.31	9.83
08-02-22 22:00	14.43	471.503	28.52	0.97	0.97	23.02
08-02-22 23:00	14.42	468.084.10	30.92	0.77	0.32	10.64
09-02-22 0:00	14.42	468.667.20	30.96	0.76	0.32	10.39
09-02-22 1:00	14.41	468.007.30	30.60	0.77	0.32	9.78
09-02-22 2:00	14.41	464.528.60	30.69	0.78	0.46	9.74
09-02-22 3:00	14.48	466.635.20	27.08	0.84	0.40	13.97
09-02-22 4:00	14.44	457.511.30	29.45	0.78	0.47	10.29
09-02-22 5:00	14.48	452.658.70	26.25	0.84	1.20	16.18
09-02-22 6:00	14.50	451.043.10	25.82	0.85	1.27	16.33
09-02-22 7:00	14.53	448.830.10	24.80	0.96	1.21	15.52
09-02-22 8:00	14.46	468.687.20	28.67	0.90	0.32	11.14
09-02-22 9:00	14.37	481.842.70	31.10	0.91	0.32	8.82
09-02-22 10:00	14.32	484.946.00	32.21	1.01	0.47	9.13
09-02-22 11:00	14.30	483.392.90	33.08	1.14	0.32	11.37
09-02-22 12:00	14.35	475.036.60	28.58	1.21	0.32	15.14
09-02-22 13:00	14.14	521.336	25.38	1.16	0.31	15.28
09-02-22 14:00	14.00	544.773	18.66	1.13	0.30	15.72
09-02-22 15:00	13.96	554.114	19.32	1.18	0.30	18.70
09-02-22 16:00	13.96	556.224	19.89	1.17	0.30	18.39
09-02-22 17:00	14.19	505.318	38.48	1.17	0.31	9.75
09-02-22 18:00	14.22	507.906	39.00	1.18	0.31	9.68
09-02-22 19:00	14.24	511.067	39.50	1.13	0.31	9.97
09-02-22 20:00	14.24	515.498	38.56	1.06	0.31	9.06
09-02-22 21:00	14.25	518.468	38.19	0.98	0.31	9.49
09-02-22 22:00	14.43	463.755	25.99	1.18	1.33	27.21
09-02-22 23:00	14.40	461.590.30	30.96	0.85	0.32	8.62
10-02-22 0:00	14.40	463.262.80	30.29	0.84	0.32	9.49
10-02-22 1:00	14.42	464.053.50	28.16	0.89	0.37	11.87
10-02-22 2:00	14.42	463.305.50	27.88	0.88	0.32	11.41
10-02-22 3:00	14.41	460.623.20	27.42	0.88	0.44	12.48
10-02-22 4:00	14.43	457.036.30	26.76	0.91	0.57	12.74
10-02-22 5:00	14.43	454.507.60	26.86	0.98	0.40	14.55
10-02-22 6:00	14.43	453.554.70	27.49	0.95	0.38	10.62
10-02-22 7:00	14.44	454.550.30	27.60	0.95	0.38	11.98
10-02-22 8:00	14.38	482.041.80	30.95	0.93	0.32	10.41
10-02-22 9:00	14.37	489.966.40	32.85	0.91	0.32	9.61
10-02-22 10:00	14.34	487.178.90	31.66	0.94	0.32	10.23
10-02-22 11:00	14.25	493.280.20	32.79	1.08	0.31	9.96
10-02-22 12:00	14.28	478.870.30	29.00	1.21	0.31	13.56
10-02-22 13:00	14.14	516.378	23.48	1.25	0.31	17.05
10-02-22 14:00	14.00	534.760	16.46	1.20	0.30	14.73
10-02-22 15:00	13.98	541.934	17.15	1.24	0.30	16.24
10-02-22 16:00	13.97	549.414	20.33	1.24	0.30	17.84
10-02-22 17:00	14.15	513.046	38.10	1.19	0.31	10.61
10-02-22 18:00	14.18	513.371	38.12	1.14	0.31	10.36
10-02-22 19:00	14.19	517.836	38.05	1.05	0.31	10.42
10-02-22 20:00	14.22	520.102	40.09	0.97	0.31	11.21
10-02-22 21:00	14.22	522.630	40.50	0.97	0.31	12.06
10-02-22 22:00	14.41	464.236	23.53	1.43	1.53	39.26
10-02-22 23:00	14.43	456.268.30	26.67	0.94	0.37	14.88
11-02-22 0:00	14.42	452.212.10	28.26	0.93	0.66	11.02
11-02-22 1:00	14.41	458.142.80	28.54	0.92	0.32	10.38
11-02-22 2:00	14.41	455.127.10	28.32	0.96	0.63	11.21
11-02-22 3:00	14.42	452.348.70	26.90	0.98	0.36	12.48
11-02-22 4:00	14.42	450.875.20	26.83	1.00	0.88	12.24
11-02-22 5:00	14.43	451.837.50	27.39	0.99	0.39	12.03
11-02-22 6:00	14.43	453.401.10	27.57	0.99	0.39	12.06
11-02-22 7:00	14.44	448.648.00	26.32	1.01	0.59	12.10
11-02-22 8:00	14.38	474.256.60	29.02	0.99	0.32	8.61
11-02-22 9:00	14.34	486.317.00	30.96	1.00	0.32	9.77
11-02-22 10:00	14.30	486.331.20	30.10	1.08	0.32	9.24
11-02-22 11:00	14.26	487.828.80	31.90	1.20	0.31	10.45
11-02-22 12:00	14.28	473.782.90	29.38	1.23	0.30	10.21
11-02-22 13:00	14.11	520.386	24.19	1.24	0.31	14.88
11-02-22 14:00	14.00	533.992	15.28	1.24	0.30	14.52
11-02-22 15:00	14.00	532.860	15.24	1.26	0.30	14.03
11-02-22 16:00	14.06	530.966	25.12	1.22	0.30	11.61
11-02-22 17:00	14.19	524.054	36.53	1.12	0.31	13.68
11-02-22 18:00	14.25	513.686	37.23	1.03	0.31	12.53
11-02-22 19:00	14.29	506.723	38.65	1.03	0.32	10.26
11-02-22 20:00	14.25	522.201	31.58	1.08	0.31	15.32
11-02-22 21:00	14.24	531.529	30.34	1.18	0.31	18.75
11-02-22 22:00	14.44	462.684	25.98	1.72	0.32	40.33
11-02-22 23:00	14.41	461.675.60	28.33	1.16	0.32	9.82
12-02-22 0:00	14.41	458.743.00	27.56	1.19	0.32	11.38

12-02-22 1:00	14.40	453,344.20	28.14	1.20	0.37	9.93	
12-02-22 2:00	14.40	452,931.80	28.70	1.22	0.43	9.43	
12-02-22 3:00	14.40	449,874.00	28.24	1.25	0.53	9.77	
12-02-22 4:00	14.40	448,315.20	27.83	1.25	0.66	9.88	
12-02-22 5:00	14.42	445,442.30	27.91	1.28	0.58	11.30	
12-02-22 6:00	14.48	439,420.70	23.48	1.34	1.69	18.69	
12-02-22 7:00	14.47	438,464.90	25.03	1.27	3.40	13.35	
12-02-22 8:00	14.41	462,125.00	27.92	1.22	0.32	10.06	
12-02-22 9:00	14.38	473,775.80	28.57	1.23	0.32	11.81	
12-02-22 10:00	14.32	479,359.50	29.84	1.29	0.32	10.68	
12-02-22 11:00	14.26	480,753.30	29.77	1.37	0.31	8.95	
12-02-22 12:00	14.29	463,177.50	28.83	1.37	0.40	8.68	
12-02-22 13:00	14.18	501,053	28.86	1.41	0.31	14.12	
12-02-22 14:00	14.13	514,594	38.25	1.34	0.31	9.28	
12-02-22 15:00	14.12	520,757	38.91	1.26	0.31	10.41	
12-02-22 16:00	14.14	524,456	39.07	1.13	0.31	11.23	
12-02-22 17:00	14.20	505,263	36.76	1.06	0.31	11.48	
12-02-22 18:00	14.22	499,734	36.52	1.01	0.31	11.84	
12-02-22 19:00	14.21	510,520	34.62	0.98	0.31	11.33	
12-02-22 20:00	14.20	528,397	26.26	0.99	0.31	13.37	
12-02-22 21:00	14.25	516,623	24.90	1.87	1.33	33.98	
12-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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13-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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13-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 18:00	14.28	498,424	35.87	1.98	1.05	29.77	
13-02-22 19:00	14.26	497,618	37.28	0.94	0.31	11.56	
13-02-22 20:00	14.37	486,121	31.84	2.12	2.42	39.24	
13-02-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
14-02-22 9:00	14.41	469,628.70	30.31	1.10	0.32	12.59	
14-02-22 10:00	14.38	471,983.80	31.68	1.07	0.32	7.73	
14-02-22 11:00	14.34	471,870.10	30.90	1.09	0.32	9.78	
14-02-22 12:00	14.31	466,991.80	29.71	1.17	0.32	11.66	
14-02-22 13:00	14.17	504,008.70	29.07	1.22	0.31	13.22	
14-02-22 14:00	14.14	510,125.00	39.64	1.25	0.31	12.46	
14-02-22 15:00	14.12	512,250.30	38.34	1.27	0.31	12.23	
14-02-22 16:00	14.00	541,730.30	22.57	1.23	0.30	15.74	
14-02-22 17:00	14.19	510,674.00	41.43	1.19	0.31	12.12	
14-02-22 18:00	14.21	517,613	37.50	1.12	0.31	14.14	
14-02-22 19:00	14.26	517,339	45.89	1.01	0.31	15.18	
14-02-22 20:00	14.28	522,428	38.81	0.99	0.32	18.92	
14-02-22 21:00	14.29	524,373.10	33.53	0.97	0.32	17.01	
14-02-22 22:00	14.45	464,210.20	29.54	1.23	0.31	15.10	
14-02-22 23:00	14.47	460,674.30	31.00	0.95	0.44	9.66	
15-02-22 0:00	14.49	456,623.80	30.62	0.97	0.46	9.92	
15-02-22 1:00	14.48	453,787.90	30.03	0.99	0.40	8.55	
15-02-22 2:00	14.47	460,333.00	28.99	1.06	0.35	10.51	
15-02-22 3:00	14.40	450,540.40	28.56	1.11	0.46	11.46	
15-02-22 4:00	14.47	449,378.10	30.44	1.13	0.35	8.21	
15-02-22 5:00	14.49	444,560.60	29.83	1.18	0.46	9.46	
15-02-22 6:00	14.52	446,073.80	29.68	1.22	1.19	10.91	
15-02-22 7:00	14.53	450,289.30	30.37	1.24	0.56	9.48	
15-02-22 8:00	14.49	470,823.30	31.68	1.21	0.33	7.85	
15-02-22 9:00	14.49	475,653.20	32.34	1.22	0.33	8.47	
15-02-22 10:00	14.49	472,285.40	32.00	1.21	0.33	9.67	
15-02-22 11:00	14.48	476,296.00	31.02	1.23	0.32	12.65	
15-02-22 12:00	14.48	463,058.00	28.26	1.26	0.43	14.62	
15-02-22 13:00	14.29	504,463	31.75	1.26	0.31	15.10	
15-02-22 14:00	14.19	517,222	43.15	1.25	0.31	11.35	
15-02-22 15:00	14.20	518,588	43.67	1.23	0.31	11.45	
15-02-22 16:00	14.21	519,819	43.86	1.15	0.31	11.93	
15-02-22 17:00	14.23	518,647	44.16	1.02	0.31	12.66	
15-02-22 18:00	14.23	520,904	44.21	0.94	0.31	13.44	
15-02-22 19:00	14.25	523,867	26.67	0.91	0.31	12.72	

15-02-22 20:00	14.26	525,552	29.87	0.89	0.31	14.52	
15-02-22 21:00	14.27	527,694	31.13	0.91	0.31	16.39	
15-02-22 22:00	14.43	469,993	30.66	1.07	0.92	20.94	
15-02-22 23:00	14.46	458,956.30	29.79	0.94	0.32	11.33	
16-02-22 0:00	14.45	457,608.00	30.59	0.94	0.51	8.47	
16-02-22 1:00	14.44	462,489.10	29.12	0.98	0.32	9.39	
16-02-22 2:00	14.48	459,889.30	26.73	1.06	0.44	13.52	
16-02-22 3:00	14.48	453,298.70	25.37	1.16	0.43	15.83	
16-02-22 4:00	14.50	443,815.30	25.28	1.17	2.48	15.29	
16-02-22 5:00	14.49	437,403.90	26.19	1.15	3.59	13.25	
16-02-22 6:00	14.50	436,903.30	26.44	1.12	3.06	12.17	
16-02-22 7:00	14.51	441,522.70	27.12	1.14	2.36	11.67	
16-02-22 8:00	14.47	462,841.80	26.65	1.12	0.32	8.75	
16-02-22 9:00	14.48	464,190.10	28.63	1.14	0.37	11.13	
16-02-22 10:00	14.48	460,412.70	28.27	1.15	0.39	11.45	
16-02-22 11:00	14.46	463,770.90	27.64	1.15	0.68	11.33	
16-02-22 12:00	14.43	449,373.40	28.32	1.13	0.88	9.86	
16-02-22 13:00	14.36	489,552	23.24	1.60	0.80	40.66	
16-02-22 14:00	14.25	499,712	36.27	1.07	0.31	10.20	
16-02-22 15:00	14.28	478,543	33.85	1.07	0.31	8.86	
16-02-22 16:00	14.29	471,355	31.52	1.06	0.32	7.00	
16-02-22 17:00	14.28	472,072	31.66	1.04	0.31	7.19	
16-02-22 18:00	14.24	504,632	36.19	1.01	0.31	9.32	
16-02-22 19:00	14.25	507,764	36.88	0.98	0.31	9.24	
16-02-22 20:00	14.26	510,208	37.80	0.96	0.31	9.34	
16-02-22 21:00	14.34	502,639	33.00	1.76	1.64	31.89	
16-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-02-22 9:00	14.37	473,536.90	31.19	1.28	0.38	12.97	
17-02-22 10:00	14.35	472,285.40	30.61	1.20	0.32	7.66	
17-02-22 11:00	14.34	471,360.90	28.71	1.21	0.48	10.28	
17-02-22 12:00	14.33	463,268.50	27.57	1.21	0.32	8.86	
17-02-22 13:00	14.15	520,528	22.79	1.25	0.31	18.28	
17-02-22 14:00	13.93	557,146	18.99	1.19	0.30	15.11	
17-02-22 15:00	13.92	558,170	18.96	1.22	0.30	16.63	
17-02-22 16:00	13.91	557,920	18.97	1.29	0.30	20.40	
17-02-22 17:00	14.12	521,369	43.89	1.28	0.31	21.15	
17-02-22 18:00	14.17	514,306	35.56	1.11	0.31	16.62	
17-02-22 19:00	14.20	513,905	35.61	1.04	0.31	12.25	
17-02-22 20:00	14.21	524,490	31.33	1.16	0.31	24.06	
17-02-22 21:00	14.21	520,355	34.10	1.05	0.31	14.53	
17-02-22 22:00	14.41	473,099	18.88	1.76	1.36	50.20	
17-02-22 23:00	14.37	461,149.40	27.93	1.11	0.73	11.97	
18-02-22 0:00	14.40	459,656.00	24.14	1.15	0.73	15.84	
18-02-22 1:00	14.38	462,921.50	25.08	1.19	0.32	16.28	
18-02-22 2:00	14.37	459,789.70	25.99	1.18	0.43	12.47	
18-02-22 3:00	14.41	451,518.10	23.79	1.24	2.11	16.39	
18-02-22 4:00	14.42	448,926.80	23.06	1.25	2.01	15.91	
18-02-22 5:00	14.40	450,258.00	26.07	1.19	1.15	11.31	
18-02-22 6:00	14.38	456,239.80	27.95	1.16	0.49	11.62	
18-02-22 7:00	14.40	459,306.20	26.38	1.18	0.44	8.05	
18-02-22 8:00	14.34	462,607.80	28.92	1.17	0.81	11.07	
18-02-22 9:00	14.32	465,338.50	30.12	1.17	0.32	10.18	
18-02-22 10:00	14.23	486,629.90	30.26	1.26	0.31	7.13	
18-02-22 11:00	14.22	490,148.50	30.91	1.30	0.31	6.87	
18-02-22 12:00	14.28	477,795.10	26.93	1.41	0.32	17.18	
18-02-22 13:00	14.10	517,984	24.36	1.38	0.30	14.06	
18-02-22 14:00	13.89	560,650	19.18	1.38	0.30	19.55	
18-02-22 15:00	13.90	555,934	18.07	1.33	0.30	14.58	
18-02-22 16:00	13.89	552,009	17.81	1.32	0.30	14.74	
18-02-22 17:00	14.10	510,714	37.88	1.35	0.31	10.38	
18-02-22 18:00	14.12	513,117	38.02	1.42	0.31	9.93	
18-02-22 19:00	14.15	517,148	38.59	1.20	0.31	10.32	
18-02-22 20:00	14.19	519,091	39.45	1.10	0.31	10.55	
18-02-22 21:00	14.21	520,477	40.22	1.00	0.31	11.36	
18-02-22 22:00	14.39	465,007	24.21	1.39	1.14	32.41	
19-02-22 23:00	14.42	455,066.60	26.21	1.02	0.31	13.96	
19-02-22 0:00	14.40	464,121.80	27.99	0.96	0.32	10.05	
19-02-22 1:00	14.40	463,188.80	27.59	0.98	0.55	10.81	
19-02-22 2:00	14.42	459,835.20	25.49	1.02	0.48	13.60	
19-02-22 3:00	14.45	453,298.70	22.59	1.09	0.46	19.88	
19-02-22 4:00	14.44	448,813.00	24.36	1.02	1.15	15.53	
19-02-22 5:00	14.42	442,549.50	27.53	0.96	1.07	9.96	
19-02-22 6:00	14.44	442,777.10	28.60	0.97	1.79	9.82	
19-02-22 7:00	14.46	442,313.50	28.59	0.95	1.42	9.71	
19-02-22 8:00	14.41	464,069.20	30.46	0.91	0.77	7.57	
19-02-22 9:00	14.36	474,731.60	30.02	0.93	0.32	7.48	
19-02-22 10:00	14.29	476,554.90	29.02	1.13	0.32	9.10	
19-02-22 11:00	14.27	474,017.60	28.88	1.23	0.31	9.33	
19-02-22 12:00	14.40	467,128.40	28.36	1.24	0.32	9.31	
19-02-22 13:00	14.09	516,984	24.32	1.24	0.30	14.18	
19-02-22 14:00	13.89	555,030	19.41	1.26	0.30	18.21	

19-02-22 15:00	13.90	549,034	18.80	1.25	0.30	15.20	
19-02-22 16:00	13.91	545,376	17.88	1.22	0.30	13.70	
19-02-22 17:00	14.01	526,399	21.27	1.22	0.30	12.59	
19-02-22 18:00	14.14	513,200	39.40	1.19	0.31	9.52	
19-02-22 19:00	14.17	518,044	40.23	1.08	0.31	9.93	
19-02-22 20:00	14.19	522,754	39.85	0.31	0.31	10.28	
19-02-22 21:00	14.23	521,654	25.73	1.07	0.92	20.57	
19-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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20-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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20-02-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-02-22 18:00	14.34	490,541	34.78	1.92	1.19	33.54	
20-02-22 19:00	14.29	497,820	37.48	0.92	0.32	10.31	
20-02-22 20:00	14.37	489,465	32.67	1.59		30.09	
20-02-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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21-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
21-02-22 9:00	14.65	460,680	29.33	1.41	0.33	42.20	
21-02-22 10:00	14.59	465,723	37.90	0.78	0.33	8.16	
21-02-22 11:00	14.61	464,992	36.30	0.76	0.33	10.54	
21-02-22 12:00	14.59	456,576	36.38	0.72	0.33	9.09	
21-02-22 13:00	14.47	503,299	30.69	1.06	0.32	34.51	
21-02-22 14:00	<Samp	536,137	<Samp	<Samp	<Samp	<Samp	<Samp
21-02-22 15:00	14.22	532,155	28.82	0.74	0.32	37.10	
21-02-22 16:00	14.44	531,950	23.91	0.67	0.31	36.11	
21-02-22 17:00	14.44	531,131	27.82	0.66	0.32	35.16	
21-02-22 18:00	14.45	530,294	26.61	0.69	0.32	37.37	
21-02-22 19:00	14.52	503,591	30.34	0.53	0.33	21.01	
21-02-22 20:00	14.57	494,344	28.14	0.41	0.33	10.66	
21-02-22 21:00	14.58	496,394.90	29.39	0.42	0.33	10.20	
21-02-22 22:00	14.67	463,834.50	19.47	0.57	1.45	16.21	
21-02-22 23:00	14.67	460,520.80	21.08	0.46	0.33	8.41	
22-02-22 0:00	14.68	456,928.20	19.82	0.49	0.43	8.59	
22-02-22 1:00	14.68	459,013.20	19.80	0.50	0.47	7.42	
22-02-22 2:00	14.70	457,366.30	18.46	0.53	0.83	8.56	
22-02-22 3:00	14.73	446,807.70	18.02	0.56	1.51	10.82	
22-02-22 4:00	14.72	450,212.50	19.48	0.51	0.63	7.90	
22-02-22 5:00	14.73	446,548.80	19.65	0.49	0.89	8.02	
22-02-22 6:00	14.75	449,967.80	18.02	0.47	2.18	11.03	
22-02-22 7:00	14.74	452,857.80	19.91	0.40	0.55	8.03	
22-02-22 8:00	14.69	476,554.90	21.92	0.36	0.34	6.04	
22-02-22 9:00	14.70	478,162.00	21.74	0.36	0.34	9.75	
22-02-22 10:00	14.62	483,947.60	22.39	0.37	0.33	7.09	
22-02-22 11:00	14.60	486,863.20	21.37	0.48	0.52	14.54	
22-02-22 12:00	14.61	474,140.30	17.69	0.46	0.33	10.68	
22-02-22 13:00	14.49	518,042	13.33	0.54	0.33	22.97	
22-02-22 14:00	14.28	548,010	6.15	0.63	0.31	25.51	
22-02-22 15:00	14.23	547,739	8.44	0.54	0.31	14.19	
22-02-22 16:00	14.24	544,830	8.03	0.56	0.31	14.47	
22-02-22 17:00	14.33	527,449	22.74	0.42	0.63	16.93	
22-02-22 18:00	14.43	521,843	36.46	0.39	0.32	13.96	
22-02-22 19:00	14.45	524,439	23.19	0.34	0.32	14.10	
22-02-22 20:00	14.46	525,942	22.20	0.33	0.32	14.76	
22-02-22 21:00	14.47	527,672	23.51	0.35	0.32	15.26	
22-02-22 22:00	14.65	465,120	18.40	0.62	1.17	20.45	
22-02-22 23:00	14.64	465,182.80	21.53	0.39	0.33	6.94	
23-02-22 0:00	14.67	457,440.20	19.24	0.46	0.38	8.69	
23-02-22 1:00	14.65	459,698.70	19.79	0.50	0.33	7.41	
23-02-22 2:00	14.66	457,286.60	20.06	0.57	0.42	7.64	
23-02-22 3:00	14.67	454,490.50	19.23	0.62	0.42	7.94	
23-02-22 4:00	14.70	451,290.50	20.10	0.67	0.40	7.68	
23-02-22 5:00	14.71	449,541.20	22.15	0.70	0.54	6.70	
23-02-22 6:00	14.75	449,066.20	19.57	0.70	0.94	8.28	
23-02-22 7:00	14.75	448,013.70	21.40	0.70	0.68	7.27	
23-02-22 8:00	14.74	462,844.70	22.10	0.64	0.34	6.98	
23-02-22 9:00	14.72	474,307.80	22.52	0.58	0.34	7.03	

23-02-22 10:00	14.66	480,133.20	22.80	0.58	0.33	7.43	
23-02-22 11:00	14.63	480,639.50	21.85	0.56	0.33	8.61	
23-02-22 12:00	14.67	465,143.00	20.34	0.51	0.69	9.29	
23-02-22 13:00	14.53	505,702	15.40	0.55	0.33	17.00	
23-02-22 14:00	14.30	544,460	8.19	0.49	0.32	13.18	
23-02-22 15:00	14.25	546,428	8.65	0.55	0.31	12.32	
23-02-22 16:00	14.26	544,693	8.34	0.61	0.31	12.92	
23-02-22 17:00	14.42	519,595	37.09	0.57	0.32	12.18	
23-02-22 18:00	14.46	523,260	33.99	0.42	0.32	11.64	
23-02-22 19:00	14.48	526,693	24.14	0.32	0.33	12.79	
23-02-22 20:00	14.50	528,070	24.21	0.29	0.33	12.64	
23-02-22 21:00	14.52	531,535	26.23	0.29	0.33	14.84	
23-02-22 22:00	14.69	466,221	22.03	0.39	1.06	18.14	
23-02-22 23:00	14.71	458,816.90	20.88	0.25	0.47	8.59	
24-02-22 0:00	14.73	453,887.50	20.65	0.25	0.34	8.51	
24-02-22 1:00	14.73	454,055.30	21.11	0.25	0.41	7.83	
24-02-22 2:00	14.73	456,035.10	21.90	0.25	0.51	7.68	
24-02-22 3:00	14.75	444,136.80	22.66	0.23	0.75	7.76	
24-02-22 4:00	14.76	443,912.00	23.46	0.19	1.90	7.94	
24-02-22 5:00	14.78	444,227.80	23.37	0.14	0.79	8.03	
24-02-22 6:00	14.79	448,008.00	24.67	0.04	0.40	6.62	
24-02-22 7:00	14.80	447,740.70	24.39	0.02	0.55	7.16	
24-02-22 8:00	14.77	471,258.50	23.77	0.06	0.48	11.32	
24-02-22 9:00	14.75	475,712.90	23.53	0.02	0.34	9.38	
24-02-22 10:00	14.70	476,566.30	24.06	0.02	0.34	9.18	
24-02-22 11:00	14.69	477,829.20	23.39	0.03	0.61	12.02	
24-02-22 12:00	14.71	462,713.80	21.62	0.00	0.61	9.58	
24-02-22 13:00	14.55	510,135	14.84	0.04	0.50	17.07	
24-02-22 14:00	14.34	543,100	8.68	0.01	0.32	15.48	
24-02-22 15:00	14.28	548,931	10.73	0.07	0.32	13.87	
24-02-22 16:00	14.29	546,349	10.09	0.14	0.32	14.11	
24-02-22 17:00	14.44	520,349	36.46	0.14	0.32	13.66	
24-02-22 18:00	14.49	522,163	35.04	0.03	0.33	12.92	
24-02-22 19:00	14.51	525,085	25.43	0.00	0.33	13.09	
24-02-22 20:00	14.52	528,318	25.04	0.00	0.33	12.31	
24-02-22 21:00	14.53	531,324	25.36	0.00	0.33	13.65	
24-02-22 22:00	14.72	463,203	21.01	0.12	1.07	20.48	
24-02-22 23:00	14.70	455,045.20	24.02	0.00	0.34	7.04	
25-02-22 0:00	14.69	458,629.20	23.74	0.00	0.34	7.09	
25-02-22 1:00	14.71	456,962.30	23.14	0.00	0.38	7.52	
25-02-22 2:00	14.69	458,905.10	23.62	0.01	0.44	6.64	
25-02-22 3:00	14.73	454,066.70	19.94	0.04	0.41	12.26	
25-02-22 4:00	14.75	451,617.60	19.65	0.04	0.67	12.05	
25-02-22 5:00	14.77	446,662.60	20.29	0.02	0.62	10.62	
25-02-22 6:00	14.78	450,084.50	21.25	0.02	0.91	9.32	
25-02-22 7:00	14.79	453,497.80	20.81	0.01	0.83	8.92	
25-02-22 8:00	14.75	470,373.90	22.05	0.00	0.34	6.98	
25-02-22 9:00	14.72	477,692.70	23.19	0.00	0.34	7.38	
25-02-22 10:00	14.68	475,661.70	23.13	0.01	0.34	7.50	
25-02-22 11:00	14.64	475,388.70	22.91	0.01	0.33	6.84	
25-02-22 12:00	14.68	461,604.50	20.69	0.02	0.93	8.95	
25-02-22 13:00	14.52	511,870	12.48	0.17	0.33	21.25	
25-02-22 14:00	14.29	543,993	9.00	0.11	0.32	11.76	
25-02-22 15:00	14.25	543,436	9.35	0.21	0.31	11.38	
25-02-22 16:00	14.27	537,084	9.23	0.29	0.31	11.95	
25-02-22 17:00	14.40	515,137	34.27	0.30	0.32	8.42	
25-02-22 18:00	14.48	507,323	33.92	0.15	0.32	8.77	
25-02-22 19:00	14.53	501,179	31.62	0.02	0.33	8.26	
25-02-22 20:00	14.55	507,133	31.64	0.00	0.33	7.59	
25-02-22 21:00	14.55	512,301	31.83	0.00	0.33	7.17	
25-02-22 22:00	14.73	458,931	16.53	0.01	0.95	24.66	
25-02-22 23:00	14.73	453,085.40	19.22	0.01	0.52	10.87	
26-02-22 0:00	14.74	447,675.20	18.18	0.01	1.00	11.16	
26-02-22 1:00	14.71	452,348.70	19.83	0.00	0.42	7.26	
26-02-22 2:00	14.72	447,587.10	18.04	0.02	1.28	10.48	
26-02-22 3:00	14.73	442,876.70	17.01	0.01	1.27	11.51	
26-02-22 4:00	14.76	433,598.10	13.66	0.04	7.79	17.76	
26-02-22 5:00	14.77	430,068.10	14.11	0.06	11.42	16.29	
26-02-22 6:00	14.82	422,032.60	10.31	0.15	10.99	26.11	
26-02-22 7:00	14.73	421,714.03	12.48	0.14	12.48	18.91	
26-02-22 8:00	14.81	426,154.20	15.53	0.04	10.79	11.12	
26-02-22 9:00	14.80	428,620.30	15.23	0.05	6.73	12.39	
26-02-22 10:00	14.78	435,373.00	16.14	0.11	7.70	10.09	
26-02-22 11:00	14.68	434,697.50	16.55	0.17	8.39	8.36	
26-02-22 12:00	14.70	425,975.00	13.43	0.03	13.23	14.25	
26-02-22 13:00	14.57	420,281	14.79	0.73	7.02	24.01	
26-02-22 14:00	14.46	469,154	23.93	0.33	0.32	5.39	
26-02-22 15:00	14.43	468,627	23.83	0.43	0.32	5.30	
26-02-22 16:00	14.43	469,085	24.06	0.47	0.32	5.28	
26-02-22 17:00	14.44	482,272	24.76	0.42	0.32	5.52	
26-02-22 18:00	14.47	493,306	26.06	0.35	0.32	6.29	
26-02-22 19:00	14.53	495,812	26.40	0.19	0.33	7.32	
26-02-22 20:00	14.56	497,795	25.13	0.15	0.33	9.13	
26-02-22 21:00	14.66	486,553	19.73	0.77	2.24	32.78	
26-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

27-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 18:00	14.55	476.882	21.77	2.47	3.44	50.10	
27-02-22 19:00	14.49	483.407	23.82	0.23	0.33	6.84	
27-02-22 20:00	14.56	490.869	20.78	0.80	1.98	28.75	
27-02-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-02-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-02-22 8:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
28-02-22 9:00	14.56	468.618.90	19.47	0.61	0.33	15.38	
28-02-22 10:00	14.47	469.534.80	20.16	0.59	0.32	6.58	
28-02-22 11:00	14.42	467.731.40	18.79	0.32	0.70	7.70	
28-02-22 12:00	14.43	463.373.70	17.26	0.74	0.40	9.38	
28-02-22 13:00	14.26	518.004.90	11.81	0.80	0.31	17.46	
28-02-22 14:00	14.07	551.157.10	11.18	0.82	0.31	20.53	
28-02-22 15:00	14.05	556.372.30	7.53	0.81	0.30	20.65	
28-02-22 16:00	14.06	550.962.20	6.60	0.77	0.30	17.79	
28-02-22 17:00	14.09	539.738.00	6.01	0.72	0.31	14.74	
28-02-22 18:00	14.16	532.953.60	5.31	0.70	0.31	14.99	
28-02-22 19:00	14.19	534.794.40	3.46	0.59	0.31	14.08	
28-02-22 20:00	14.20	543.077.40	4.45	0.46	0.31	14.19	
28-02-22 21:00	14.23	540.176.10	4.38	0.39	0.31	15.63	
28-02-22 22:00	14.53	464.651.00	16.58	0.53	1.06	21.65	
28-02-22 23:00	14.52	459.309.00	18.96	0.32	0.33	9.01	
Minimum	13.89	421.714.00	3.46	0.01	0.30	5.28	
Maximum	18.93	597.231.00	45.83	5.60	132.00	14.22	
Average	14.39	489.556.21	27.45	0.91	0.71	14.22	
SUM							
STD			STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690	

Site Name: GULF_NRV1
Stack Name: HRSG_STACK2
Periodically: 01/03/2022 - 31/03/2022

Date & Time	O2	FLOW @1 ATM 25C	Emission Concentration for Standardization Comparison				Remark
			HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2	
	%	m3/hr	ppm	ppm	mg/m3	ppm	
01-03-22 0:00	14.52	462.474.90	17.63	0.31	0.37	8.55	
01-03-22 1:00	14.52	456.052.10	18.71	0.32	0.33	7.84	
01-03-22 2:00	14.55	468.962.00	16.72	0.35	0.33	9.88	
01-03-22 3:00	14.57	462.937.50	14.91	0.43	0.47	14.62	
01-03-22 4:00	14.54	464.228.80	16.31	0.51	0.86	11.11	
01-03-22 5:00	14.56	447.854.40	15.41	0.47	1.02	10.78	
01-03-22 6:00	14.58	443.772.70	15.06	0.51	2.72	10.21	
01-03-22 7:00	14.60	446.250.20	13.99	0.56	1.64	11.62	
01-03-22 8:00	14.57	460.566.30	16.07	0.50	0.44	7.77	
01-03-22 9:00	14.54	479.754.9	15.88	0.61	0.33	14.64	
01-03-22 10:00	14.13	565411.8	8.34	0.72	0.31	20.13	
01-03-22 11:00	14.06	567061.8	9.24	0.87	0.31	23.44	
01-03-22 12:00	14.09	549807.4	7.4	0.79	0.31	16.04	
01-03-22 13:00	14.07	556508.9	8.74	0.84	0.31	21.56	
01-03-22 14:00	14.03	557015.2	8.31	0.88	0.3	23.66	
01-03-22 15:00	14.03	557692.1	8.68	0.89	0.3	23.42	
01-03-22 16:00	14.03	555968.4	8.48	0.86	0.3	22.92	
01-03-22 17:00	14.06	556901.4	8.95	0.83	0.3	22.78	
01-03-22 18:00	14.12	542087.5	6.92	0.71	0.31	15.4	
01-03-22 19:00	14.15	540545.8	6.35	0.63	0.31	13.27	
01-03-22 20:00	14.17	545751.2	6.5	0.55	0.31	13.55	
01-03-22 21:00	14.2	54601.1	6.32	0.47	0.31	14.24	
01-03-22 22:00	14.24	541114.8	5.47	0.42	0.31	14.88	
01-03-22 23:00	18.46	207.057.90	3.09	0.42	0.31	14.88	
02-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-03-22 9:00	18.9	170252.9	11.22	1.41	1.86	8.85	
02-03-22 10:00	14.4	516916.6	23.34	1.41	1.86	11.65	
02-03-22 11:00	14.28	516337.4	28.4	0.67	0.31	8.78	
02-03-22 12:00	14.28	512756.1	27.76	0.68	0.32	8.85	
02-03-22 13:00	14.2	525331.3	12.67	0.68	0.31	11.65	
02-03-22 14:00	14.12	527717.1	12.1	0.73	0.31	11.56	
02-03-22 15:00	14.12	526343	20.5	0.79	0.31	10.33	
02-03-22 16:00	14.12	526294.8	21.15	0.79	0.31	9.85	
02-03-22 17:00	14.25	505731.1	27.12	0.83	0.31	8.03	
02-03-22 18:00	14.28	507730	27.9	0.79	0.31	7.66	
02-03-22 19:00	14.19	529404.9	11.91	0.71	0.31	8.96	
02-03-22 20:00	14.17	544243.6	6.98	0.58	0.31	10.07	
02-03-22 21:00	14.23	541023.7	5.66	0.45	0.31	13.72	
02-03-22 22:00	14.26	539089.5	5.14	0.38	0.31	16.87	
02-03-22 23:00	18.52	197.689.70	2.20	0.38	0.31	16.87	
03-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-03-22 9:00	18.95	168560.3	9.22	0.72	1.66	15.94	
03-03-22 10:00	14.24	545696.3	8.07	1.67	1.66	15.94	
03-03-22 11:00	14.07	555143.5	8.02	0.74	0.31	17	
03-03-22 12:00	14.1	544806.8	5.81	0.72	0.31	17	
03-03-22 13:00	14.15	52972.3	7.89	0.73	0.31	15.94	
03-03-22 14:00	14.12	525955.9	16.38	0.75	0.31	14.75	
03-03-22 15:00	14.12	525739.8	16.38	0.74	0.31	13.26	
03-03-22 16:00	14.12	525025.3	18.85	0.73	0.31	12.11	
03-03-22 17:00	14.24	504496.8	25.49	0.74	0.31	10.81	
03-03-22 18:00	14.21	518371.8	16.71	0.83	0.31	11.64	
03-03-22 19:00	14.13	539788.2	5.72	0.62	0.31	13.85	
03-03-22 20:00	14.15	548914.2	6.57	0.54	0.31	13.57	
03-03-22 21:00	14.19	548146.2	6.38	0.45	0.31	14.59	
03-03-22 22:00	14.21	542002.2	5.14	0.42	0.31	17.08	
03-03-22 23:00	18.49	205259	2.27	0.42	4.9	17.08	
04-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-03-22 9:00	18.87	164251.9	5.78	5.73	15.56	15.17	
04-03-22 10:00	14.25	521560.7	15.12	1.96	2.05	40.55	

04-03-22 11:00	14.05	546029.9	6.15	0.76	0.3	17.67	
04-03-22 12:00	14.04	546827.0	6.07	0.81	0.3	21.28	
04-03-22 13:00	14.01	553914.8	5.99	0.93	0.3	29.19	
04-03-22 14:00	13.98	554688.4	5.53	1.03	0.3	32.88	
04-03-22 15:00	13.98	554341.4	5.09	1.06	0.3	32.84	
04-03-22 16:00	14	554187.8	5.39	1.04	0.3	32.37	
04-03-22 17:00	14.09	534491.6	7.81	0.79	0.31	12.92	
04-03-22 18:00	14.23	509748.8	21.27	0.76	0.31	10.77	
04-03-22 19:00	14.12	537543.8	8.31	0.71	0.31	13.39	
04-03-22 20:00	14.09	553044.3	7.5	0.71	0.31	18.45	
04-03-22 21:00	14.1	555295.8	8.54	0.69	0.31	20	
04-03-22 22:00	14.13	546376.9	6.43	0.65	0.31	14.38	
04-03-22 23:00	18.44	201029.3	1.65	5.63	4.7	14.2	
05-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
05-03-22 9:00	18.82	168200.7	7.58	5.71	15.75	14.14	
05-03-22 10:00	14.18	523304	6.54	1.96	1.99	37.51	
05-03-22 11:00	14.06	53429.2	5.63	0.73	0.3	13.27	
05-03-22 12:00	14.09	525877.1	11.63	0.75	0.32	12.82	
05-03-22 13:00	14.07	531683.9	14.81	0.82	0.31	15.57	
05-03-22 14:00	14.11	517475.1	19.54	0.79	0.31	11.56	
05-03-22 15:00	14.16	506919.5	22.39	0.8	0.31	10.38	
05-03-22 16:00	14.19	505320.4	22.32	0.81	0.31	11.19	
05-03-22 17:00	14.22	510269.6	26.54	0.74	0.31	9.44	
05-03-22 18:00	14.26	509843.4	26.04	0.69	0.31	10.5	
05-03-22 19:00	14.29	514064.6	27.03	0.61	0.32	10.61	
05-03-22 20:00	14.31	516818	28.37	0.53	0.32	9.52	
05-03-22 21:00	14.33	51884.4	29.7	0.32	0.32	11.25	
05-03-22 22:00	14.35	518670.3	30.23	0.44	0.32	11.68	
05-03-22 23:00	14.1	566151.4	12.07	0.59	0.31	29.78	
06-03-22 0:00	14.08	565366.4	11.75	0.62	0.31	32.87	
06-03-22 1:00	14.07	566987.8	10.08	0.63	0.31	32.14	
06-03-22 2:00	14.08	571931.4	10.99	0.61	0.31	32.4	
06-03-22 3:00	14.06	574696.3	11	0.66	0.3	32.77	
06-03-22 4:00	14.06	575424.4	10.29	0.68	0.3	33.71	
06-03-22 5:00	14.07	576657.7	10.42	0.69	0.31	32.67	
06-03-22 6:00	14.08	571504.8	10.07	0.72	0.31	33.83	
06-03-22 7:00	14.08	569801.8	4.71	0.76	0.31	34.34	
06-03-22 8:00	14.08	562675.6	8.78	0.75	0.31	32.49	
06-03-22 9:00	14.07	557868.5	7.87	0.76	0.31	30.77	
06-03-22 10:00	14.02	553715.6	9.48	0.91	0.3	31.91	
06-03-22 11:00	13.99	549238.4	8.68	1.01	0.3	32.63	
06-03-22 12:00	14.03	54687	7.83	1.05	0.3	32.05	
06-03-22 13:00	14.01	546718.3	7.82	1.04	0.3	31.26	
06-03-22 14:00	13.98	546183.5	7.4	1.07	0.3	31.16	
06-03-22 15:00	13.97	545711.4	7.37	1.1	0.3	31.58	
06-03-22 16:00	13.97	546752.4	7.62	1.1	0.3	31.08	
06-03-22 17:00	13.98	556582.8	9.71	1.02	0.3	28.66	
06-03-22 18:00	14.1	538839.6	15.16	0.93	0.31	23.66	
06-03-22 19:00	14.36	466953.6	22.15	0.77	0.32	7.39	
06-03-22 20:00	14.4	457161.5	21.52	0.73	0.32	6.56	
06-03-22 21:00	14.46	444247.7	21.55	0.69	0.32	6.81	
06-03-22 22:00	17.25	262127.5	8.31	5.17	15.91	14.2	
06-03-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
07-03-22 9:00	18.92	165.958.60	8.02	5.33	14.88	14.70	
07-03-22 10:00	14.24	535.950.40	8.28	3.19	3.35	62.16	
07-03-22 11:00	14.04	548.766.30	7.41	0.96	0.30	22.14	
07-03-22 12:00	14.06	544.442.80	7.25	0.94	0.30	18.55	
07-03-22 13:00	14.03	558.173.20	7.65	1.02	0.30	25.60	
07-03-22 14:00	13.99	556.247.20	8.29	1.08	0.30	27.80	
07-03-22 15:00	13.98	552.617.70	7.14	1.12	0.30	29.16	
07-03-22 16:00	13.99	556.844.50	7.05	1.00	0.30	23.02	
07-03-22 17:00	14.17	535.830.50	12.10	0.80	0.31	18.14	
07-03-22 18:00	14.32	510814.2	32.57	0.32	0.32	18.15	
07-03-22 19:00	14.35	525233.1	18.87	0.6	0.32	16.72	
07-03-22 20:00	14.36	531745.1	18.77	0.63	0.32	22.87	
07-03-22 21:00	14.39	514753.8	28.29	0.57	0.32	14.27	
07-03-22 22:00	14.42	508984.4	28.53	0.59	0.32	12.27	
07-03-22 23:00	18.1	162545.9	4.14	5.78	17.61	14.2	
08-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

08-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
08-03-22 9:00	18.99	158248.1	2.99	5.43	16.61	20.27		
08-03-22 10:00	14.48	515156.6	25.36	3.3	3.66	17.39		
08-03-22 11:00	14.35	518809.4	37.65	0.97	0.32	23.01		
08-03-22 12:00	14.34	519660.2	35.86	0.9	0.32	20.18		
08-03-22 13:00	14.32	515307.6	35.59	0.84	0.32	18.05		
08-03-22 14:00	14.29	515108.5	34.24	0.83	0.32	15.6		
08-03-22 15:00	14.24	524121.6	27.48	0.8	0.31	14.84		
08-03-22 16:00	14.13	549403.4	8.1	0.74	0.31	15.57		
08-03-22 17:00	14.31	514542.8	32.55	0.7	0.32	14.22		
08-03-22 18:00	14.31	518861.7	29.61	0.65	0.32	15.95		
08-03-22 19:00	14.33	519387.9	29.17	0.67	0.32	20.47		
08-03-22 20:00	14.28	530521.9	16.18	0.63	0.31	21.31		
08-03-22 21:00	14.31	526429.9	21.78	0.7	0.32	25.89		
08-03-22 22:00	14.36	516701.4	36.24	0.73	0.32	24.48		
08-03-22 23:00	18.5	209797	3.5	5.02	4.19	15.31		
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09-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
09-03-22 9:00	18.79	181166.4	9.41	5.81	15.8	15.82		
09-03-22 10:00	14.37	516594.7	26.74	2.19	1.92	40.03		
09-03-22 11:00	14.26	514957.7	32.43	1.01	0.31	11.43		
09-03-22 12:00	14.25	516642.7	30.29	1.02	0.31	10.03		
09-03-22 13:00	14.17	523172.4	11.93	1	0.31	11.26		
09-03-22 14:00	14.11	527913.6	5	1.01	0.31	11.93		
09-03-22 15:00	14.08	529739.3	10.45	1.02	0.31	11.61		
09-03-22 16:00	14.05	541660.9	7.12	0.99	0.3	12.48		
09-03-22 17:00	14.25	502430.9	28.55	0.99	0.31	9.97		
09-03-22 18:00	14.26	507900.7	28.75	0.93	0.31	9.45		
09-03-22 19:00	14.25	518603.4	23.08	0.85	0.31	10.29		
09-03-22 20:00	14.13	545267.6	6.34	0.8	0.31	14.73		
09-03-22 21:00	14.17	541723.4	5.3	0.68	0.31	16.18		
09-03-22 22:00	14.19	537923.3	5.22	0.64	0.31	17.88		
09-03-22 23:00	18.34	210824.1	2.65	5.98	4.23	14.92		
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10-03-22 11:00	14.06	545170.9	6.36	0.89	0.3	14.4		
10-03-22 12:00	14.09	526196.6	10.78	0.93	0.31	12.61		
10-03-22 13:00	14.06	536290.6	6.36	0.91	0.3	13.42		
10-03-22 14:00	14.04	541535.7	7.08	0.92	0.3	13.58		
10-03-22 15:00	14.03	543560.9	7.71	0.95	0.3	15.32		
10-03-22 16:00	14.02	548948.3	8.08	0.99	0.3	18.52		
10-03-22 17:00	14.11	529960.3	8.76	0.91	0.31	13.04		
10-03-22 18:00	14.21	513583.1	21.45	0.9	0.31	10.79		
10-03-22 19:00	14.26	509012.8	27.18	0.84	0.31	10.34		
10-03-22 20:00	14.09	551436.9	7.48	0.78	0.31	15.5		
10-03-22 21:00	14.12	549101.9	5.55	0.7	0.31	14.36		
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11-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
11-03-22 9:00	18.92	169439.9	11.62	5.72	14.11	12.16		
11-03-22 10:00	14.37	507679.6	27.57	1.87	2.16	16.56		
11-03-22 11:00	14.14	529893.9	13.01	0.84	0.31	13.37		
11-03-22 12:00	14.22	509042.3	25.56	0.89	0.31	11.2		
11-03-22 13:00	14.09	532018.2	5.62	0.88	0.31	13.8		
11-03-22 14:00	14.06	530431	5.34	0.93	0.3	12.5		
11-03-22 15:00	14.08	523791.4	18.13	0.93	0.31	11.68		
11-03-22 16:00	14.09	522310.6	20.02	0.91	0.31	11.28		
11-03-22 17:00	14.22	501506.6	26.94	0.91	0.31	9.68		
11-03-22 18:00	14.24	506037.5	26.93	0.88	0.31	9.45		
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11-03-22 22:00	14.18	542032	7.3	0.62	0.31	13.55		
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12-03-22 11:00	14.26	509436.7	28.36	0.84	0.31	9.47	
12-03-22 12:00	14.25	504100.5	27.68	0.89	0.31	9.99	
12-03-22 13:00	14.24	500488	27.51	0.9	0.31	9.91	
12-03-22 14:00	14.24	499498.2	27.63	0.91	0.31	10.15	
12-03-22 15:00	14.23	498228.7	26.9	0.91	0.31	9.76	
12-03-22 16:00	14.24	495326.6	27.39	0.92	0.31	10.25	
12-03-22 17:00	14.24	499546.5	26.56	0.9	0.31	9.41	
12-03-22 18:00	14.28	500473.8	24.9	0.9	0.31	11.28	
12-03-22 19:00	14.26	508398.4	27.3	0.84	0.31	9.19	
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12-03-22 21:00	14.32	509593.1	26.82	0.76	0.32	9.24	
12-03-22 22:00	14.31	512266.9	28.85	0.74	0.32	9.39	
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13-03-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-03-22 18:00	17.28	226159.4	0.73	5.53	23.31	15.1	
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13-03-22 20:00	14.37	468021.5	21.77	0.82	0.32	7.59	
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14-03-22 10:00	14.17	537 725.70	8.76	1.85	1.61	17.87	
14-03-22 11:00	14.03	549 090.60	7.16	0.85	0.30	19.03	
14-03-22 12:00	14.04	543 037.60	7.60	0.87	0.30	16.45	
14-03-22 13:00	14.01	556 213.10	9.20	0.98	0.30	25.80	
14-03-22 14:00	13.99	553 755.40	8.77	1.03	0.30	27.47	
14-03-22 15:00	13.98	552 299.10	8.57	1.05	0.30	28.14	
14-03-22 16:00	14.00	554 352.80	9.25	1.03	0.30	26.84	
14-03-22 17:00	14.05	543 771.40	7.66	0.92	0.30	17.44	
14-03-22 18:00	14.12	528 759.40	12.52	0.85	0.31	13.15	
14-03-22 19:00	14.27	502 877.40	26.15	0.82	0.31	10.90	
14-03-22 20:00	14.27	508 759.70	26.21	0.76	0.31	9.99	
14-03-22 21:00	14.27	509 846.30	26.21	0.75	0.31	9.96	
14-03-22 22:00	14.26	512 610.60	26.17	0.73	0.31	9.68	
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15-03-22 10:00	14.1	540120.8	<Samp	<Samp	<Samp	<Samp	
15-03-22 11:00	14.11	551639.2	18.63	0.62	0.31	27.28	
15-03-22 12:00	14.19	541 387.8	18.75	0.35	0.31	22.13	
15-03-22 13:00	14.17	551 781.4	20.18	0.31	0.31	29.52	
15-03-22 14:00	14.14	549187.3	19.44	0.43	0.31	13.38	
15-03-22 15:00	14.14	546815	19.59	0.43	0.31	30.15	
15-03-22 16:00	14.14	547725.2	19.88	0.44	0.31	30.88	
15-03-22 17:00	14.15	548264.3	20.27	0.39	0.31	28.74	
15-03-22 18:00	14.2	541096.6	19.17	0.24	0.31	19.78	
15-03-22 19:00	14.34	514232	33.57	0.12	0.32	13.25	

15-03-22 20:00	14.34	519595.1	28.92	0.1	0.32	13.19	
15-03-22 21:00	14.27	535909.4	17.11	0.08	0.31	15.67	
15-03-22 22:00	14.27	537399.9	17.17	0.08	0.31	15.87	
15-03-22 23:00	18.74	194357.1	3.71	5.36	4.81	15.27	
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16-03-22 9:00	19.05	162041.2	13.66	5.91	13.71	15.2	
16-03-22 10:00	14.34	537148.4	17.81	1.48	1.83	40.99	
16-03-22 11:00	14.22	545512.3	16.91	0.23	0.31	14.93	
16-03-22 12:00	14.19	546741.1	17.1	0.33	0.31	17.87	
16-03-22 13:00	14.14	552060.1	18.23	0.45	0.31	22.55	
16-03-22 14:00	14.18	549682.2	17.63	0.45	0.31	21.01	
16-03-22 15:00	14.27	552469.8	18.9	0.28	0.31	21.12	
16-03-22 16:00	14.31	547184.8	17.9	0.17	0.32	22.81	
16-03-22 17:00	14.45	521137.4	48.89	0.25	0.32	31.04	
16-03-22 18:00	14.48	520329.2	50.2	0.21	0.32	28.02	
16-03-22 19:00	14.48	522088.4	49.87	0.2	0.32	25.42	
16-03-22 20:00	14.5	521693.2	46.92	0.24	0.33	31.15	
16-03-22 21:00	14.51	528019.3	37.89	0.23	0.33	29.55	
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17-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-03-22 9:00	19.09	170924.5	12.66	5.8	14.21	15.88	
17-03-22 10:00	14.35	536514.4	14.11	2.47	2.29	53.06	
17-03-22 11:00	14.2	546866.2	15.64	0.46	0.31	15.94	
17-03-22 12:00	14.17	549938.2	16.55	0.52	0.31	18.28	
17-03-22 13:00	14.14	552424.3	17.08	0.59	0.31	22.69	
17-03-22 14:00	14.11	552720.1	16.9	0.67	0.31	25.2	
17-03-22 15:00	14.06	555382.4	16.7	0.78	0.31	28.92	
17-03-22 16:00	14.08	557191.5	17.1	0.77	0.31	28.77	
17-03-22 17:00	14.26	526665.9	30.63	0.57	0.31	15.68	
17-03-22 18:00	14.33	531387.4	21.19	0.46	0.32	16.4	
17-03-22 19:00	14.33	537940.3	15.16	0.3	0.32	16.91	
17-03-22 20:00	14.32	545495.2	15.49	0.18	0.32	17.68	
17-03-22 21:00	14.34	541973.8	14.98	0.13	0.32	20.19	
17-03-22 22:00	14.34	536277.2	13.98	0.14	0.32	21.38	
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18-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18-03-22 9:00	19.1	170783	12.11	5.42	14.56	16.09	
18-03-22 10:00	14.34	539478.4	14.59	2.12	1.97	16.07	
18-03-22 11:00	14.19	546763.8	15.13	0.34	0.31	16.4	
18-03-22 12:00	14.14	548840.3	15.53	0.48	0.31	20.68	
18-03-22 13:00	14.22	551058.9	15.78	0.43	0.31	17.54	
18-03-22 14:00	14.45	522353.9	30.82	0.43	0.32	16.28	
18-03-22 15:00	14.45	525010.6	31.7	0.43	0.32	15.85	
18-03-22 16:00	14.46	524188.3	31.69	0.46	0.32	14.25	
18-03-22 17:00	14.48	523800.4	32.41	0.49	0.32	34.8	
18-03-22 18:00	14.5	523257	31.94	0.52	0.33	36.51	
18-03-22 19:00	14.5	522493.2	31.58	0.51	0.33	34.5	
18-03-22 20:00	14.5	524973.9	32.9	0.53	0.33	34.29	
18-03-22 21:00	14.5	524641.3	32.51	0.55	0.33	34.93	
18-03-22 22:00	14.48	524498.7	31.61	0.58	0.32	34.75	
18-03-22 23:00	18.57	217292.1	6.35	5.1	11.02	13.19	
19-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-03-22 9:00	19.12	170500.6	11.38	5.15	13.97	17.58	
19-03-22 10:00	14.56	515647.3	27.31	2.56	2.41	19.73	
19-03-22 11:00	14.45	522518.9	39.33	0.42	0.32	20.08	
19-03-22 12:00	14.2	516988	43.1	0.36	0.32	15.56	
19-03-22 13:00	14.35	515669.8	39.76	0.48	0.32	15.06	
19-03-22 14:00	14.26	518189	30.99	0.57	0.31	15.29	

27-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-03-22 18:00	15.67	381329.5	18.42	5.96	15.8	13.99	
27-03-22 19:00	14.55	477766.6	36.83	0.15	0.33	11.01	
27-03-22 20:00	14.59	478568.8	35.32	0.02	0.33	9.25	
27-03-22 21:00	14.6	477635.8	35.21	0	0.33	9.2	
27-03-22 22:00	17.36	287598.9	15.95	5.37	4.77	15.44	
27-03-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
28-03-22 9:00	19.27	164968	5.89	5.97	16.44	12.65	
28-03-22 10:00	14.54	532190.7	20.84	1.01	3.04	15.02	
28-03-22 11:00	14.28	554472.3	23.04	0.18	0.33	18.24	
28-03-22 12:00	14.25	542514.2	20.63	0.3	0.31	16.27	
28-03-22 13:00	14.17	552088.6	22.28	0.44	0.31	24.17	
28-03-22 14:00	14.14	549642.4	21.21	0.52	0.31	26.53	
28-03-22 15:00	14.14	550251.8	21.5	0.49	0.31	23.27	
28-03-22 16:00	14.19	549574.1	19.64	0.35	0.31	17.56	
28-03-22 17:00	14.39	516036.2	45.38	0.34	0.32	18.02	
28-03-22 18:00	14.44	517827.9	48.41	0.28	0.32	18.15	
28-03-22 19:00	14.49	518510.6	49.94	0.17	0.33	18.98	
28-03-22 20:00	14.51	520164.1	50.77	0.33	0.33	19.79	
28-03-22 21:00	14.53	520627.5	51.07	0.04	0.33	20.18	
28-03-22 22:00	14.53	522000.3	50.77	0.05	0.33	21.51	
28-03-22 23:00	18.76	205494.6	7.73	5.24	5.81	16.17	
29-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29-03-22 9:00	19.16	165499.9	6.68	5.39	13.56	12.13	
29-03-22 10:00	14.52	523462.3	27.21	1.19	1.84	13.97	
29-03-22 11:00	14.26	552720.1	20.98	0.22	0.31	17.73	
29-03-22 12:00	14.24	539391	18.37	0.32	0.31	17.2	
29-03-22 13:00	14.18	548134.8	20.07	0.38	0.31	19.59	
29-03-22 14:00	14.16	548316.9	19.94	0.44	0.31	22.17	
29-03-22 15:00	14.13	549045.1	19.99	0.52	0.31	24.85	
29-03-22 16:00	14.13	548231.5	20	0.55	0.31	25.29	
29-03-22 17:00	14.25	537365.8	19.51	0.41	0.31	15.97	
29-03-22 18:00	14.45	516206.7	47.88	0.28	0.32	14.63	
29-03-22 19:00	14.49	515128.4	48.64	0.07	0.33	16.9	
29-03-22 20:00	14.5	516351.5	48.54	0.01	0.33	17.7	
29-03-22 21:00	14.51	519714.2	48.81	0	0.33	17.81	
29-03-22 22:00	14.52	521265.7	47.09	0	0.33	18.1	
29-03-22 23:00	18.71	210580.2	7.01	5.88	5.18	15.22	
30-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-03-22 9:00	19.16	157359	15.12	5.94	15.08	15.18	
30-03-22 10:00	14.53	513549.9	38.38	1.96	2.12	15.86	
30-03-22 11:00	14.34	528603.5	25.17	0.25	0.32	13.77	
30-03-22 12:00	14.39	510162	40.73	0.31	0.32	12.84	
30-03-22 13:00	14.19	551883.7	19.04	0.35	0.31	18.45	
30-03-22 14:00	14.15	554716.9	19.54	0.42	0.31	21.31	
30-03-22 15:00	14.16	554682.8	19.2	0.42	0.31	18.92	
30-03-22 16:00	14.17	550933.8	18.95	0.41	0.31	19.26	
30-03-22 17:00	14.19	548254.3	18.44	0.39	0.31	16.49	
30-03-22 18:00	14.26	536887.9	16.74	0.35	0.31	16	
30-03-22 19:00	14.28	541962.4	17.51	0.28	0.31	15.5	
30-03-22 20:00	14.31	546138	17.45	0.24	0.32	15.6	
30-03-22 21:00	14.33	541960	15.22	0.13	0.32	18.57	
30-03-22 22:00	14.35	537855	15.18	0.08	0.32	19.19	
30-03-22 23:00	18.7	193127.5	4.75	5.27	4.86	16.27	

31-03-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
31-03-22 9:00	19.07	159808.6	6.53	5.24	17.91	14.07	
31-03-22 10:00	14.53	507185.1	34.56	1.84	2.63	13.94	
31-03-22 11:00	14.3	529448.6	14.76	0.19	0.32	15.27	
31-03-22 12:00	14.4	504817.8	39.59	0.24	0.32	13.19	
31-03-22 13:00	14.22	546191.9	18.6	0.31	0.31	15.06	
31-03-22 14:00	14.18	548278.3	18.7	0.4	0.31	18.44	
31-03-22 15:00	14.18	546918.6	18.28	0.42	0.31	17.04	
31-03-22 16:00	14.19	547281.5	19.38	0.41	0.31	18.5	
31-03-22 17:00	14.23	538748.1	19.61	0.35	0.31	15.29	
31-03-22 18:00	14.3	528911.9	16.68	0.33	0.32	15.77	
31-03-22 19:00	14.34	534088.9	17.99	0.2	0.32	16	
31-03-22 20:00	14.35	541956.7	18.3	0.09	0.32	16.63	
31-03-22 21:00	14.46	523689.2	28.02	0.03	0.32	16.71	
31-03-22 22:00	14.43	532054.1	20.04	0	0.32	17.81	
31-03-22 23:00	18.88	163989.8	3.86	5.62	5.03	16.88	
Minimum	13.97	83,511.40	0.25	0.00	0.30	6.86	0.00
Maximum	20.49	575,657.70	51.07	5.99	23.31	62.16	0.00
Avg	14.83	485,173.47	20.19	1.22	1.63	17.71	0.00
SUM							
STD			STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690	

Site Name: GULF_NRV1
Stack Name: HRS_G5_STACK2
Periodically: 01/04/2020 00:00:30/04/2020 23:59

Date & Time	O2	FLOW @#1 ATM 25C m3/hr	Emission Concentration for Standardization Comparison				Remark
			HRS_G1_NOx@7%O2 ppm	HRS_G1_SOx@7%O2 ppm	HRS_G1_Dust@7%O2 mg/m3	HRS_G1_CO@7%O2 ppm	
01-04-22 0:00	20.96	41492.71	0.00	0.00	0.00	0.00	Shut down
01-04-22 1:00	20.98	53856.03	0.00	0.00	0.00	0.00	Shut down
01-04-22 2:00	20.98	56733.52	0.00	0.00	0.00	0.00	Shut down
01-04-22 3:00	20.99	57142.02	0.00	0.00	0.00	0.00	Shut down
01-04-22 4:00	21.01	40159.04	0.00	0.00	0.00	0.00	Shut down
01-04-22 5:00	21.01	50392.67	0.00	0.00	0.00	0.00	Shut down
01-04-22 6:00	21.03	52802.3	0.00	0.00	0.00	0.00	Shut down
01-04-22 7:00	21.04	44747.04	0.00	0.00	0.00	0.00	Shut down
01-04-22 8:00	21.03	30904.93	0.00	0.00	0.00	0.00	Shut down
01-04-22 9:00	16.02	390630.4	32.27	3.7	17.78	190.76	Shut down
01-04-22 10:00	14.5	513183.1	42.66	0.01	0.33	15.76	
01-04-22 11:00	14.39	528277.7	25.5	0.09	0.32	17.71	
01-04-22 12:00	14.46	510267.2	42.36	0.12	0.32	14.79	
01-04-22 13:00	14.29	541426.0	22.06	0.17	0.32	17.33	
01-04-22 14:00	14.27	542866.9	16.13	0.21	0.31	18.22	
01-04-22 15:00	14.45	518878.5	41.12	0.15	0.32	18.15	
01-04-22 16:00	14.51	517003.1	46.07	0.02	0.33	16.63	
01-04-22 17:00	14.52	516294.8	45.92	0	0.33	16.99	
01-04-22 18:00	14.53	517230.5	47.41	0	0.33	18.46	
01-04-22 19:00	14.54	518687.1	47.5	0	0.33	18.3	
01-04-22 20:00	14.56	521328.7	44.44	0	0.33	19.63	
01-04-22 21:00	14.59	522715.4	44.56	0	0.33	19.74	
01-04-22 22:00	14.6	521655.9	44.76	0	0.33	19.3	
01-04-22 23:00	17.40	288962.70	22.33	2.34	5.43	159.52	
02-04-22 0:00	20.99	15,157.30	0.00	0.00	0.00	0.00	Shut down
02-04-22 1:00	21.00	21,202.00	0.00	0.00	0.00	0.00	Shut down
02-04-22 2:00	21.00	27,689.95	0.00	0.00	0.00	0.00	Shut down
02-04-22 3:00	21.05	40,293.77	0.00	0.00	0.00	0.00	Shut down
02-04-22 4:00	21.09	48,358.01	0.00	0.00	0.00	0.00	Shut down
02-04-22 5:00	21.11	57,892.03	0.00	0.00	0.00	0.00	Shut down
02-04-22 6:00	21.11	55,681.82	0.00	0.00	0.00	0.00	Shut down
02-04-22 7:00	21.15	43,229.81	0.00	0.00	0.00	0.00	Shut down
02-04-22 8:00	21.19	19,951.65	0.00	0.00	0.00	0.00	Shut down
02-04-22 9:00	14.26	385,173.4	14.66	1.66	21.52	144.09	
02-04-22 10:00	14.7	521220.4	37.33	0.74	0.34	51.13	
02-04-22 11:00	14.72	520403.2	37.59	0.97	0.34	64.77	
02-04-22 12:00	14.71	501798.1	49.23	0.48	0.34	25.64	
02-04-22 13:00	14.7	502923.9	49.36	0.34	0.34	14.31	
02-04-22 14:00	14.68	506595.1	49.71	0.43	0.33	15.07	
02-04-22 15:00	14.67	503904.2	49.17	0.48	0.33	15.41	
02-04-22 16:00	14.66	500869.2	48.49	0.5	0.33	15.13	
02-04-22 17:00	14.67	497869.0	47.78	0.53	0.33	15.47	
02-04-22 18:00	14.69	495197.4	47.78	0.5	0.34	15.46	
02-04-22 19:00	14.71	497558.3	48.42	0.49	0.34	15.07	
02-04-22 20:00	14.71	499202.3	48.98	0.47	0.34	14.5	
02-04-22 21:00	14.72	4927.6	49.72	0.34	0.34	14.37	
02-04-22 22:00	14.76	497179.9	45.07	0.52	0.34	17.33	
02-04-22 23:00	14.58	560,227.40	30.31	0.83	0.33	41.35	
03-04-22 0:00	14.43	503,904.20	32.82	0.87	0.32	44.04	
03-04-22 1:00	14.41	500,869.20	32.75	0.92	0.32	45	
03-04-22 2:00	14.41	497,800.00	32.71	0.94	0.32	45.44	
03-04-22 3:00	14.40	495,197.40	32.7	0.94	0.32	45.9	
03-04-22 4:00	14.40	497,558.30	32.66	0.95	0.32	45.89	
03-04-22 5:00	14.40	499,202.30	32.68	0.95	0.32	46.01	
03-04-22 6:00	14.41	497,777.30	32.74	0.96	0.32	46.33	
03-04-22 7:00	14.42	497,179.90	32.8	0.94	0.32	46.54	
03-04-22 8:00	14.43	560,227.4	32.83	0.96	0.32	47.15	
03-04-22 9:00	14.43	596173.8	32.83	0.99	0.32	48.02	
03-04-22 10:00	14.42	588495.6	30.04	0.92	0.32	48	
03-04-22 11:00	14.39	572574.3	29.8	0.94	0.32	45.77	
03-04-22 12:00	14.38	566834.2	28.92	0.89	0.32	45.44	
03-04-22 13:00	14.36	564126.3	28.56	0.85	0.32	45.24	
03-04-22 14:00	14.34	561606.1	27.95	0.79	0.32	45.02	
03-04-22 15:00	14.33	559643.4	29.81	0.77	0.32	46.75	
03-04-22 16:00	14.32	559552.4	30.05	0.74	0.32	47.14	
03-04-22 17:00	14.33	560621.9	29.85	0.7	0.32	47.11	
03-04-22 18:00	14.34	562169.3	29.67	0.72	0.32	46.72	
03-04-22 19:00	14.43	550437.1	32.46	0.68	0.32	48.09	
03-04-22 20:00	14.67	491033.1	45.56	0.28	0.33	16.59	
03-04-22 21:00	14.69	490273.6	45.16	0.28	0.34	15.77	
03-04-22 22:00	14.78	494604.7	38.93	1.11	0.33	21.27	
03-04-22 23:00	20.61	86,775.63	1.02	3.16	136.9		
04-04-22 0:00	21.07	45,522.42	0.00	0.00	0.00	0.00	Shut down
04-04-22 1:00	21.07	55,235.66	0.00	0.00	0.00	0.00	Shut down
04-04-22 2:00	21.06	63,787.80	0.00	0.00	0.00	0.00	Shut down
04-04-22 3:00	21.07	59,527.90	0.00	0.00	0.00	0.00	Shut down
04-04-22 4:00	21.06	56,511.94	0.00	0.00	0.00	0.00	Shut down
04-04-22 5:00	21.06	43,512.16	0.00	0.00	0.00	0.00	Shut down
04-04-22 6:00	21.10	46,491.85	0.00	0.00	0.00	0.00	Shut down
04-04-22 7:00	21.12	62,621.41	0.00	0.00	0.00	0.00	Shut down
04-04-22 8:00	21.24	49,711.87	0.00	0.00	0.00	0.00	Shut down
04-04-22 9:00	16.12	385,173.10	36.94	2.18	19.37	189.98	
04-04-22 10:00	16.64	521,681.20	33.93	0.36	0.33	26.84	
04-04-22 11:00	14.61	519,748.60	33.74	0.29	0.33	23.03	
04-04-22 12:00	14.59	519,059.70	33.66	0.23	0.33	21.26	
04-04-22 13:00	14.57	515,859.40	42.96	0.15	0.33	17.34	
04-04-22 14:00	14.52	514,192.60	49.23	0.18	0.33	17.15	
04-04-22 15:00	14.48	512,972.30	52.43	0.25	0.33	16.51	

04-04-22 16:00	14.48	513,151.50	52.44	0.27	0.32	16.85	
04-04-22 17:00	14.46	524,743.60	38.54	0.23	0.32	18.45	
04-04-22 18:00	14.56	517663.2	37.46	0.06	0.33	20.28	
04-04-22 19:00	14.61	517719.7	47.27	0.02	0.33	26.03	
04-04-22 20:00	14.63	520823	40.75	0.02	0.33	28.17	
04-04-22 21:00	14.64	522954.5	35.28	0	0.33	24.94	
04-04-22 22:00	14.65	522709.8	37.78	0.03	0.33	26.31	
04-04-22 23:00	17.42	306,726.80	15.7	2.8	5.6	163.21	
05-04-22 0:00	21.07	63,556.27	0.00	0.00	0.00	0.00	Shut down
05-04-22 1:00	21.06	52,110.98	0.00	0.00	0.00	0.00	Shut down
05-04-22 2:00	21.05	45,832.35	0.00	0.00	0.00	0.00	Shut down
05-04-22 3:00	21.05	44,265.40	0.00	0.00	0.00	0.00	Shut down
05-04-22 4:00	21.05	63,257.56	0.00	0.00	0.00	0.00	Shut down
05-04-22 5:00	21.07	62,325.10	0.00	0.00	0.00	0.00	Shut down
05-04-22 6:00	21.09	61,647.09	0.00	0.00	0.00	0.00	Shut down
05-04-22 7:00	21.10	66,303.20	0.00	0.00	0.00	0.00	Shut down
05-04-22 8:00	21.11	58533.59	0.00	0.00	0.00	0.00	Shut down
05-04-22 9:00	16.11	393560	32.41	2.97	16.45	187.39	
05-04-22 10:00	14.57	519002.9	49.88	0.32	0.33	20.07	
05-04-22 11:00	14.44	532388.1	30.1	0.31	0.32	19.21	
05-04-22 12:00	14.38	531112.6	21.62	0.39	0.32	19.32	
05-04-22 13:00	14.24	554751	23.69	0.47	0.31	22.17	
05-04-22 14:00	14.23	543942.1	21.24	0.48	0.31	17.35	
05-04-22 15:00	14.22	541938.7	24.49	0.52	0.31	18.28	
05-04-22 16:00	14.22	542827.1	21.1	0.49	0.31	17.29	
05-04-22 17:00	14.25	540210.2	20.86	0.46	0.31	17.05	
05-04-22 18:00	14.34	530541.6	19.36	0.41	0.32	18.73	
05-04-22 19:00	14.42	532467.6	17.04	0.22	0.32	21.58	
05-04-22 20:00	14.53	515666.3	48.5	0.11	0.33	16.38	
05-04-22 21:00	14.54	517876.3	50.98	0.03	0.33	17.71	
05-04-22 22:00	14.56	516402.7	51.37	0.01	0.33	18.39	
05-04-22 23:00	17.35	298,910.80	20.37	3.1	5.84	163.12	
06-04-22 0:00	20.98	62,868.81	0.00	0.00	0.00	0.00	Shut down
06-04-22 1:00	20.99	64,949.11	0.00	0.00	0.00	0.00	Shut down
06-04-22 2:00	20.99	69,502.69	0.00	0.00	0.00	0.00	Shut down
06-04-22 3:00	20.99	66,954.19	0.00	0.00	0.00	0.00	Shut down
06-04-22 4:00	21.01	65,969.55	0.00	0.00	0.00	0.00	Shut down
06-04-22 5:00	21.02	59,358.30	0.00	0.00	0.00	0.00	Shut down
06-04-22 6:00	21.05	64,565.05	0.00	0.00	0.00	0.00	Shut down
06-04-22 7:00	21.06	61,979.38	0.00	0.00	0.00	0.00	Shut down
06-04-22 8:00	21.07	62,183.79	0.00	0.00	0.00	0.00	Shut down
06-04-22 9:00	16.05	394518.4	33.62	2.43	15.98	180.85	
06-04-22 10:00	14.53	524270.6	33.8	0.14	0.33	15.23	
06-04-22 11:00	14.46	518582.2	46.36	0.23	0.32	13.98	
06-04-22 12:00	14.43	513191.3	44.31	0.33	0.32	12.76	
06-04-22 13:00	14.47	511695.6	42.35	0.37	0.32	13.38	
06-04-22 14:00	14.19	546541.9	20.45	0.42	0.31	18.03	
06-04-22 15:00	14.17	548055.2	21.06	0.47	0.31	20.41	
06-04-22 16:00	14.18	545899.1	21.09	0.48	0.31	19.19	
06-04-22 17:00	14.36	512510.8	37.08	0.43	0.32	14.3	
06-04-22 18:00	14.44	506984.8	43.31	0.27	0.32	12.57	
06-04-22 19:00	14.48	514161.3	44.6	0.16	0.32	13.05	
06-04-22 20:00	14.51	516795.4	44.64	0.01	0.33	13.81	
06-04-22 21:00	14.52	521943.3	37.9	0	0.33	15.93	
06-04-22 22:00	14.52	526330.5	30.52	0.01	0.33	16.29	
06-04-22 23:00	17.08	315,222.20	20.44	3.41	6.65	162.9	
07-04-22 0:00	20.98	50,392.92	0.00	0.00	0.00	0.00	Shut down
07-04-22 1:00	20.98	54,868.80	0.00	0.00	0.00	0.00	Shut down
07-04-22 2:00	20.98	47,937.28	0.00	0.00	0.00	0.00	Shut down
07-04-22 3:00	20.94	35,740.27	0.00	0.00	0.00	0.00	Shut down
07-04-22 4:00	20.98	43,397.04	0.00	0.00	0.00	0.00	Shut down
07-04-22 5:00	21.02	64,010.94	0.00	0.00	0.00	0.00	Shut down
07-04-22 6:00	21.04	63,222.19	0.00	0.00	0.00	0.00	Shut down
07-04-22 7:00	21.06	49,526.94	0.00	0.00	0.00	0.00	Shut down
07-04-22 8:00	21.06	36484.31	0.00	0.00	0.00	0.00	Shut down
07-04-22 9:00	16.06	392013.8	34.61	2.15	17.76	177.56	
07-04-22 10:00	14.57	519713.9	48.74	0.22	0.33	14.98	
07-04-22 11:00	14.52	514881	47.39	0.11	0.33	14	
07-04-22 12:00	14.48	511279.8	45.68	0.22	0.32	13.39	
07-04-22 13:00	14.45	509223.3	45.24	0.28	0.32	13.62	
07-04-22 14:00	14.3	533523.6	29.82	0.11	0.32	16.21	
07-04-22 15:00	14.24	544425.7	21.06	0.32	0.31	17.15	
07-04-22 16:00	14.26	542087.5	21.12	0.31	0.31	17.23	
07-04-22 17:00	14.34	532871.5	19.2	0.28	0.32	18.5	
07-04-22 18:00	14.5	515462	46.9	0.08	0.33	16.85	
07-04-22 19:00	14.54	516498.8	50.43	0	0.33	16.6	
07-04-22 20:00	14.55	520406.9	51.52	0	0.33	19.02	
07-04-22 21:00	14.56	523333.5	46.32	0	0.33	19.22	
07-04-22 22:00	14.58	523726.6	39.97	0.03	0.33	21.71	
07-04-22 23:00	17.14	322,337.30	16.21	2.85	5.22	162.66	
08-04-22 0:00	20.96	33,509.97	0.00	0.00	0.00	0.00	Shut down
08-04-22 1:00	20.95	31,455.14	0.00	0.00	0.00	0.00	Shut down
08-04-22 2:00	20.95	31,065.34	0.00	0.00	0.00	0.00	Shut down
08-04-22 3:00	21.00	63,635.25	0.00	0.00	0.00	0.00	Shut down
08-04-22 4:00	21.01	57,711.51	0.00	0.00	0.00	0.00	Shut down
08-04-22 5:00	21.03	58,899.02	0.00	0.00	0.00	0.00	Shut down
08-04-22 6:00	21.05	49,719.48	0.00	0.00	0.00	0.00	Shut down
08-04-22 7:00	21.06	64,736.09	0.00	0.00	0.00	0.00	Shut down
08-04-22 8:00	21.05	64,1138.34	0.00	0.00	0.00	0.00	Shut down
08-04-22 9:00	16.02	395670.6	38.59	3.11	18.7	193.13	
08-04-22 10:00	14.57	518513.8	52.62	0.08	0.33	19.86	
08-04-22 11:00	14.52	514297.8	50.81	0.13	0.33	17.39	
08-04-22 12:00	14.48	513241.1	48.99	0.22	0.32	15.34	
08-04-22 13:00	14.39	523545.1	38.05	0.26	0.31	15.25	
08-04-22 14:00	14.25	547332.7	21.15	0.25	0.31	16.17	
08-04-22 15:00	14.27	547446.4	21.68	0.27	0.32	16.27	

08-04-22 16:00	14.28	548658.2	22.44	0.24	0.31	17.36	
08-04-22 17:00	14.48	511846.1	48.04	0.11	0.32	14.97	
08-04-22 18:00	14.52	514224.3	48.13	0.02	0.33	17.29	
08-04-22 19:00	14.43	535658.1	27.05	0	0.32	20.39	
08-04-22 20:00	14.43	539558.3	23.65	0	0.32	21.93	
08-04-22 21:00	14.56	520374.4	52.73	0	0.33	19.3	
08-04-22 22:00	14.58	518186.3	52.76	0	0.33	18.54	
08-04-22 23:00	17.34	302,022.00	23.18	2.39	5.39	155.9	
09-04-22 0:00	20.95	65,185.46	0.00	0.00	0.00	0.00	Shut down
09-04-22 1:00	20.96	65,918.91	0.00	0.00	0.00	0.00	Shut down
09-04-22 2:00	20.96	67,487.94	0.00	0.00	0.00	0.00	Shut down
09-04-22 3:00	20.96	53,405.68	0.00	0.00	0.00	0.00	Shut down
09-04-22 4:00	20.97	62,141.69	0.00	0.00	0.00	0.00	Shut down
09-04-22 5:00	20.99	65,159.25	0.00	0.00	0.00	0.00	Shut down
09-04-22 6:00	21.01	68,124.74	0.00	0.00	0.00	0.00	Shut down
09-04-22 7:00	21.02	66,080.89	0.00	0.00	0.00	0.00	Shut down
09-04-22 8:00	21.02	67,835.73	0.00	0.00	0.00	0.00	Shut down
09-04-22 9:00	15.93	397254.4	27.02	1.8	18.31	229.49	
09-04-22 10:00	14.55	524495.3	40.84	0.08	0.33	16.38	
09-04-22 11:00	14.51	520767.6	49.41	0.07	0.33	14.8	
09-04-22 12:00	14.49	516047.2	48.27	0.08	0.33	13.69	
09-04-22 13:00	14.46	511851.6	46.53	0.11	0.32	13.11	
09-04-22 14:00	14.42	509055.5	45.54	0.21	0.32	13.18	
09-04-22 15:00	14.41	509485	45.84	0.26	0.32	13.63	
09-04-22 16:00	14.42	509820	45.86	0.26	0.32	13.35	
09-04-22 17:00	14.44	510184.8	45.84	0.23	0.32	13.13	
09-04-22 18:00	14.48	512514.3	46.9	0.08	0.32	14.13	
09-04-22 19:00	14.5	514152.8	46.41	0	0.33	15.13	
09-04-22 20:00	14.51	521430.7	48.72	0	0.33	14.98	
09-04-22 21:00	14.52	52083	49.77	0	0.33	16.16	
09-04-22 22:00	14.53	524823.4	41.3	0	0.33	16.78	
09-04-22 23:00	17.30	303,775.10	19.77	2	5.5	158.17	
10-04-22 0:00	20.92	70,666.94	0.00	0.00	0.00	0.00	Shut down
10-04-22 1:00	20.92	72,429.00	0.00	0.00	0.00	0.00	Shut down
10-04-22 2:00	20.92	70,558.40	0.00	0.00	0.00	0.00	Shut down
10-04-22 3:00	20.93	69,168.84	0.00	0.00	0.00	0.00	Shut down
10-04-22 4:00	20.94	68,528.45	0.00	0.00	0.00	0.00	Shut down
10-04-22 5:00	20.95	68,987.83	0.00	0.00	0.00	0.00	Shut down
10-04-22 6:00	20.97	69,176.96	0.00	0.00	0.00	0.00	Shut down
10-04-22 7:00	20.98	69,795.68	0.00	0.00	0.00	0.00	Shut down
10-04-22 8:00	20.98	70,158.02	0.00	0.00	0.00	0.00	Shut down
10-04-22 9:00	20.93	65,226.39	0.00	0.00	0.00	0.00	Shut down
10-04-22 10:00	20.85	59,567.11	0.00	0.00	0.00	0.00	Shut down
10-04-22 11:00	20.75	54,335.52	0.00	0.00	0.00	0.00	Shut down
10-04-22 12:00	20.70	48,957.75	0.00	0.00	0.00	0.00	Shut down
10-04-22 13:00	20.66	35,987.22	0.00	0.00	0.00	0.00	Shut down
10-04-22 14:00	20.63	27,427.69	0.00	0.00	0.00	0.00	Shut down
10-04-22 15:00	20.63	18,984.63	0.00	0.00	0.00	0.00	Shut down
10-04-22 16:00	20.65	21,785.72	0.00	0.00	0.00	0.00	Shut down
10-04-22 17:00	19.76	89,408.43	4.21	4.21	10.17	139.52	
10-04-22 18:00	14.9	455166.1	31.62	4.75	9.13	16.52	
10-04-22 19:00	14.49	512067.8	39.37	0.1	0.33	16.1	
10-04-22 20:00	14.49	516733	41.22	0.02	0.33	16.1	
10-04-22 21:00	14.5	512445.9	43.06	0	0.33	15.8	
10-04-22 22:00	14.54	517826.9	37.99	0.07	0.33	23.76	
10-04-22 23:00	14.76	480635.9	23.54	3.03	5.53	102.87	
11-04-22 0:00	20.47	79692.97	0.00	0.00	0.00	0.00	Shut down
11-04-22 1:00	20.91	67354.25	0.00	0.00	0.00	0.00	Shut down
11-04-22 2:00	20.91	69655.23	0.00	0.00	0.00	0.00	Shut down
11-04-22 3:00	20.92	69333.02	0.00	0.00	0.00	0.00	Shut down
11-04-22 4:00	20.93	67927.74	0.00	0.00	0.00	0.00	Shut down
11-04-22 5:00	20.94	67276.41	0.00	0.00	0.00	0.00	Shut down
11-04-22 6:00	20.96	67467.39	0.00	0.00	0.00	0.00	Shut down
11-04-22 7:00	20.89	66654.15	0.00	0.00	0.00	0.00	Shut down
11-04-22 8:00	20.93	67194.64	0.00	0.00	0.00	0.00	Shut down
11-04-22 9:00	20.9	69341.91	0.00	0.00	0.00	0.00	Shut down
11-04-22 10:00	20.81	66128.59	0.00	0.00	0.00	0.00	Shut down
11-04-22 11:00	20.72	61392.7	0.00	0.00	0.00	0.00	Shut down
11-04-22 12:00	20.68	57491.49	0.00	0.00	0.00	0.00	Shut down
11-04-22 13:00	20.65	52569.18	0.00	0.00	0.00	0.00	Shut down
11-04-22 14:00	20.62	46418.12	0.00	0.00	0.00	0.00	Shut down
11-04-22 15:00	20.61	6753.58	0.00	0.00	0.00	0.00	Shut down
11-04-22 16:00	20.63	6653.15	0.00	0.00	0.00	0.00	Shut down
11-04-22 17:00	20.67	46209.46	0.00	0.00	0.00	0.00	Shut down
11-04-22 18:00	20.73	5195.12	0.00	0.00	0.00	0.00	Shut down
11-04-22 19:00	20.82	54681.54	0.00	0.00	0.00	0.00	Shut down
11-04-22 20:00	20.87	56231.4	0.00	0.00	0.00	0.00	Shut down
11-04-22 21:00	20.9	57225.54	0.00	0.00	0.00	0.00	Shut down
11-04-22 22:00	20.92	57821.92	0.00	0.00	0.00	0.00	Shut down
11-04-22 23:00	20.92	58,335.58	0.00	0.00	0.00	0.00	Shut down
12-04-22 0:00	20.92	58,554.25	0.00	0.00	0.00	0.00	Shut down
12-04-22 1:00	20.92	59,062.34	0.00	0.00	0.00	0.00	Shut down
12-04-22 2:00	20.91	59,713.36	0.00	0.00	0.00	0.00	Shut down
12-04-22 3:00	20.90	60,122.96	0.00	0.00	0.00	0.00	Shut down
12-04-22 4:00	20.91	60,456.47	0.00	0.00	0.00	0.00	Shut down
12-04-22 5:00	20.92	60,460.74	0.00	0.00	0.00	0.00	Shut down
12-04-22 6:00	20.93	60,619.32	0.00	0.00	0.00	0.00	Shut down
12-04-22 7:00	20.94	60,385.00	0.00	0.00	0.00	0.00	Shut down
12-04-22 8:00	20.92	59,932.38	0.00	0.00	0.00	0.00	Shut down
12-04-22 9:00	20.88	58,970.25	0.00	0.00	0.00	0.00	Shut down
12-04-22 10:00	20.79	56,960.38	0.00	0.00	0.00	0.00	Shut down
12-04-22 11:00	20.71	53,682.78	0.00	0.00	0.00	0.00	Shut down
12-04-22 12:00	20.66	51,517.45	0.00	0.00	0.00	0.00	Shut down
12-04-22 13:00	20.62	49,900.03	0.00	0.00	0.00	0.00	Shut down
12-04-22 14:00	20.58	40,064.14	0.00	0.00	0.00	0.00	Shut down
12-04-22 15:00	20.62	47,368.57	0.00	0.00	0.00	0.00	Shut down

12-04-22 16:00	20.74	54,567.40	0.00	0.00	0.00	0.00	Shut down
12-04-22 17:00	20.81	54,668.74	0.00	0.00	0.00	0.00	Shut down
12-04-22 18:00	20.84	56264.47	0.00	0.00	0.00	0.00	Shut down
12-04-22 19:00	20.85	56414.16	0.00	0.00	0.00	0.00	Shut down
12-04-22 20:00	20.88	56033	0.00	0.00	0.00	0.00	Shut down
12-04-22 21:00	20.9	56858.96	0.00	0.00	0.00	0.00	Shut down
12-04-22 22:00	20.9	57688.47	0.00	0.00	0.00	0.00	Shut down
12-04-22 23:00	20.90	57,823.23	0.00	0.00	0.00	0.00	Shut down
13-04-22 0:00	20.89	58,150.69	0.00	0.00	0.00	0.00	Shut down
13-04-22 1:00	20.88	59,114.96	0.00	0.00	0.00	0.00	Shut down
13-04-22 2:00	20.87	59,365.63	0.00	0.00	0.00	0.00	Shut down
13-04-22 3:00	20.87	59,705.54	0.00	0.00	0.00	0.00	Shut down
13-04-22 4:00	20.88	60,024.82	0.00	0.00	0.00	0.00	Shut down
13-04-22 5:00	20.90	60,025.54	0.00	0.00	0.00	0.00	Shut down
13-04-22 6:00	20.92	60,132.91	0.00	0.00	0.00	0.00	Shut down
13-04-22 7:00	20.92	60,257.36	0.00	0.00	0.00	0.00	Shut down
13-04-22 8:00	20.91	60,152.47	0.00	0.00	0.00	0.00	Shut down
13-04-22 9:00	20.86	58,397.45	0.00	0.00	0.00	0.00	Shut down
13-04-22 10:00	20.75	55,327.23	0.00	0.00	0.00	0.00	Shut down
13-04-22 11:00	20.65	52,027.67	0.00	0.00	0.00	0.00	Shut down
13-04-22 12:00	20.61	48,829.45	0.00	0.00	0.00	0.00	Shut down
13-04-22 13:00	20.57	17,954.90	0.00	0.00	0.00	0.00	Shut down
13-04-22 14:00	20.54	34.63	0.00	0.00	0.00	0.00	Shut down
13-04-22 15:00	20.53	28.30	0.00	0.00	0.00	0.00	Shut down
13-04-22 16:00	20.58	1,099.46	0.00	0.00	0.00	0.00	Shut down
13-04-22 17:00	20.66	48,083.43	0.00	0.00	0.00	0.00	Shut down
13-04-22 18:00	20.73	51815.76	0.00	0.00	0.00	0.00	Shut down
13-04-22 19:00	20.82	53086.87	0.00	0.00	0.00	0.00	Shut down
13-04-22 20:00	20.85	54249.54	0.00	0.00	0.00	0.00	Shut down
13-04-22 21:00	20.87	54337.45	0.00	0.00	0.00	0.00	Shut down
13-04-22 22:00	20.89	54344.78	0.00	0.00	0.00	0.00	Shut down
13-04-22 23:00	20.89	55026.07	0.00	0.00	0.00	0.00	Shut down
14-04-22 0:00	20.88	56101.27	0.00	0.00	0.00	0.00	Shut down
14-04-22 1:00	20.87	56152.47	0.00	0.00	0.00	0.00	Shut down
14-04-22 2:00	20.87	57778.07	0.00	0.00	0.00	0.00	Shut down
14-04-22 3:00	20.87	58105.89	0.00	0.00	0.00	0.00	Shut down
14-04-22 4:00	20.89	58588.74	0.00	0.00	0.00	0.00	Shut down
14-04-22 5:00	20.91	58843.85	0.00	0.00	0.00	0.00	Shut down
14-04-22 6:00	20.93	58882.07	0.00	0.00	0.00	0.00	Shut down
14-04-22 7:00	20.96	58516.56	0.00	0.00	0.00	0.00	Shut down
14-04-22 8:00	20.95	58545	0.00	0.00	0.00	0.00	Shut down
14-04-22 9:00	20.91	57072.29	0.00	0.00	0.00	0.00	Shut down
14-04-22 10:00	20.82	54054.34	0.00	0.00	0.00	0.00	Shut down
14-04-22 11:00	20.71	50271.58	0.00	0.00	0.00	0.00	Shut down
14-04-22 12:00	20.66	47369.18	0.00	0.00	0.00	0.00	Shut down
14-04-22 13:00	20.63	40106.45	0.00	0.00	0.00	0.00	Shut down
14-04-22 14:00	20.59	3185.92	0.00	0.00	0.00	0.00	Shut down
14-04-22 15:00	20.58	20.89	0.00	0.00	0.00	0.00	Shut down
14-04-22 16:00	20.59	9.91	0.00	0.00	0.00	0.00	Shut down
14-04-22 17:00	20.64	16197.12	0.00	0.00	0.00	0.00	Shut down
14-04-22 18:00	20.74	49265.45	0.00	0.00	0.00	0.00	Shut down
14-04-22 19:00	20.83	51836.74	0.00	0.00	0.00	0.00	Shut down
14-04-22 20:00	20.88	53073.71	0.00	0.00	0.00	0.00	Shut down
14-04-22 21:00	20.9	53769.18	0.00	0.00	0.00	0.00	Shut down
14-04-22 22:00	20.92	54647.76	0.00	0.00	0.00	0.00	Shut down
14-04-22 23:00	20.91	54,942.16	0.00	0.00	0.00	0.00	Shut down
15-04-22 0:00	20.90	57,060.56	0.00	0.00	0.00	0.00	Shut down
15-04-22 1:00	20.90	58,589.45	0.00	0.00	0.00	0.00	Shut down
15-04-22 2:00	20.89	58,759.40	0.00	0.00	0.00	0.00	Shut down
15-04-22 3:00	20.90	59,961.58	0.00	0.00	0.00	0.00	Shut down
15-04-22 4:00	20.90	60,315.67	0.00	0.00	0.00	0.00	Shut down
15-04-22 5:00	20.92	60,113.36	0.00	0.00	0.00	0.00	Shut down
15-04-22 6:00	20.94	59,918.16	0.00	0.00	0.00	0.00	Shut down
15-04-22 7:00	20.95	60,510.52	0.00	0.00	0.00	0.00	Shut down
15-04-22 8:00	20.94	60,142.52	0.00	0.00	0.00	0.00	Shut down
15-04-22 9:00	20.91	59,139.14	0.00	0.00	0.00	0.00	Shut down
15-04-22 10:00	20.80	55,873.00	0.00	0.00	0.00	0.00	Shut down
15-04-22 11:00	20.71	47,484.71	0.00	0.00	0.00	0.00	Shut down
15-04-22 12:00	20.66	20,557.99	0.00	0.00	0.00	0.00	Shut down
15-04-22 13:00	20.66	4,531.32	0.00	0.00	0.00	0.00	Shut down
15-04-22 14:00	20.63	6,463.27	0.00	0.00	0.00	0.00	Shut down
15-04-22 15:00	20.59	5,972.22	0.00	0.00	0.00	0.00	Shut down
15-04-22 16:00	20.59	1,355.17	0.00	0.00	0.00	0.00	Shut down
15-04-22 17:00	20.66	220.53	0.00	0.00	0.00	0.00	Shut down
15-04-22 18:00	20.72	21894.04	0.00	0.00	0.00	0.00	Shut down
15-04-22 19:00	20.78	50753	0.00	0.00	0.00	0.00	Shut down
15-04-22 20:00	20.84	54360.82	0.00	0.00	0.00	0.00	Shut down
15-04-22 21:00	20.89	55385.18	0.00	0.00	0.00	0.00	Shut down
15-04-22 22:00	20.91	55296.65	0.00	0.00	0.00	0.00	Shut down
15-04-22 23:00	20.91	55,627.67	0.00	0.00	0.00	0.00	Shut down
16-04-22 0:00	16.87	554,864.40	52.12	1.99	12.4	372.8	
16-04-22 1:00	16.34	318,429.40	27.43	0.93	2.9	410.59	
16-04-22 2:00	16.32	326,877.40	17.59	1.37	25.05	365.59	
16-04-22 3:00	15.93	357,364.10	16.45	1.41	27.39	393.36	
16-04-22 4:00	14.75	453,722.50	10.9	1.3	7.7	106.02	
16-04-22 5:00	14.69	491,906.30	10.32	0.89	0.9	92.6	
16-04-22 6:00	14.57	514,704.40	21.88	0.43	0.33	61.63	
16-04-22 7:00	14.26	564,672.40	22.68	0.02	0.31	43.91	
16-04-22 8:00	14.28	559785.7	24.33	0	0.31	39.92	
16-04-22 9:00	14.25	556383.7	24.96	0.03	0.31	37.11	
16-04-22 10:00	14.21	550342.1	22.25	0.2	0.31	38.58	
16-04-22 11:00	14.19	546706.9	21.27	0.31	0.31	38.62	
16-04-22 12:00	14.18	544232.3	21.05	0.38	0.31	37.93	
16-04-22 13:00	14.16	542810	20.6	0.46	0.31	38.01	
16-04-22 14:00	14.15	541040.8	19.74	0.31	0.31	38.91	
16-04-22 15:00	14.15	540306.9	19.65	0.54	0.31	39.08	

16-04-22 16:00	14.16	538952.9	21.19	0.56	0.31	38.55	
16-04-22 17:00	14.17	541029.4	20.3	0.56	0.31	38.31	
16-04-22 18:00	14.18	546570.4	19.91	0.49	0.31	37.67	
16-04-22 19:00	14.18	552566.4	21.02	0.42	0.31	36.57	
16-04-22 20:00	14.19	556420.1	22.09	0.39	0.31	37.43	
16-04-22 21:00	14.23	561719.9	22.58	0.34	0.31	39.12	
16-04-22 22:00	14.25	564069.4	21.13	0.3	0.31	40.73	
16-04-22 23:00	14.26	566822.80	21.66	0.28	0.31	42.34	
17-04-22 0:00	14.25	566388.40	21.63	0.27	0.31	41.27	
17-04-22 1:00	14.25	568.603.40	21.81	0.3	0.31	45.5	
17-04-22 2:00	14.24	568.097.10	21.49	0.3	0.31	45.81	
17-04-22 3:00	14.25	570.884.70	21.62	0.32	0.31	46.7	
17-04-22 4:00	14.25	572.671.00	21.59	0.34	0.31	47.39	
17-04-22 5:00	14.25	575.048.90	21.65	0.34	0.31	47.38	
17-04-22 6:00	14.26	574.878.30	22.08	0.34	0.31	46.54	
17-04-22 7:00	14.27	569.724.10	22.04	0.32	0.31	45.25	
17-04-22 8:00	14.27	562749.6	21.27	0.28	0.31	43.5	
17-04-22 9:00	14.25	558494.3	22.03	0.3	0.31	41.64	
17-04-22 10:00	14.21	555200.4	21.03	0.42	0.31	39.64	
17-04-22 11:00	14.18	549562.8	19.86	0.55	0.31	40.28	
17-04-22 12:00	14.15	544880.8	18.37	0.64	0.31	40.23	
17-04-22 13:00	14.13	543987.6	17.09	0.72	0.31	40.62	
17-04-22 14:00	14.14	541495.9	17.72	0.72	0.31	38.1	
17-04-22 15:00	14.22	547458.4	27.18	0.56	0.31	32.39	
17-04-22 16:00	14.53	508942.4	29.85	0.89	0.33	59.51	
17-04-22 17:00	14.44	497465.1	16.12	0.44	0.31	15.44	
17-04-22 18:00	14.43	536069.4	17.58	0.82	0.32	56.74	
17-04-22 19:00	14.43	534900.8	17.67	0.49	1.7	41.69	
17-04-22 20:00	14.68	469074	26.79	0.83	0.34	53.55	
17-04-22 21:00	14.56	512080.6	25.72	0.41	0.33	40.81	
17-04-22 22:00	14.68	499125.4	15.39	2.76	0.55	124.89	
17-04-22 23:00	19.44	153.407.50	3.91	3.69	4.23	214.72	
18-04-22 0:00	21.00	67.712.65	0.00	0.00	0.00	0.00	Shut down
18-04-22 1:00	20.99	57.643.63	0.00	0.00	0.00	0.00	Shut down
18-04-22 2:00	20.99	46.607.97	0.00	0.00	0.00	0.00	Shut down
18-04-22 3:00	20.99	52.540.14	0.00	0.00	0.00	0.00	Shut down
18-04-22 4:00	20.99	57.802.60	0.00	0.00	0.00	0.00	Shut down
18-04-22 5:00	21.01	40.413.88	0.00	0.00	0.00	0.00	Shut down
18-04-22 6:00	21.02	62.671.46	0.00	0.00	0.00	0.00	Shut down
18-04-22 7:00	21.03	63.033.50	0.00	0.00	0.00	0.00	Shut down
18-04-22 8:00	21.02	61.809.60	0.00	0.00	0.00	0.00	Shut down
18-04-22 9:00	21.08	292.262.20	19.24	3.79	292.65	292.65	
18-04-22 10:00	14.46	521.431.90	29.96	0.3	0.32	28.07	
18-04-22 11:00	14.28	546.285.90	18.36	0.38	0.32	22.98	
18-04-22 12:00	14.27	536.461.20	18.43	0.44	0.31	22.65	
18-04-22 13:00	14.27	548.908.50	18.47	0.23	0.31	22.91	
18-04-22 14:00	14.20	551.764.30	18.74	0.58	0.31	30.43	
18-04-22 15:00	14.19	552.424.30	18.91	0.62	0.31	31.54	
18-04-22 16:00	14.21	551.371.80	17.89	0.54	0.31	26.06	
18-04-22 17:00	14.31	540.368.10	18.66	0.31	0.32	26.62	
18-04-22 18:00	14.51	517365.3	44.13	0.35	0.33	23.74	
18-04-22 19:00	14.57	521316.9	34.54	0.21	0.33	27.26	
18-04-22 20:00	14.61	518674.3	36.84	0.11	0.33	23.57	
18-04-22 21:00	14.61	523564.2	35.81	0.15	0.33	27.3	
18-04-22 22:00	14.61	522480.7	37.68	0.18	0.33	26.13	
18-04-22 23:00	14.77	465.931.60	26.7	0.81	9.76	54.81	
19-04-22 0:00	14.91	409.383.30	15.39	0.5	24.63	41.13	
19-04-22 1:00	15.86	354.695.90	15.52	5.8	17.83	430.69	
19-04-22 2:00	19.47	144.888.50	4.64	2.44	12.23	571.35	
19-04-22 3:00	21.07	48.690.71	0.00	0.00	0.00	0.00	Shut down
19-04-22 4:00	21.07	48.275.80	0.00	0.00	0.00	0.00	Shut down
19-04-22 5:00	21.08	34.823.44	0.00	0.00	0.00	0.00	Shut down
19-04-22 6:00	21.08	32.914.47	0.00	0.00	0.00	0.00	Shut down
19-04-22 7:00	21.08	49.225.18	0.00	0.00	0.00	0.00	Shut down
19-04-22 8:00	21.08	51431.4	0.00	0.00	0.00	0.00	Shut down
19-04-22 9:00	21.06	409120.5	25.85	1.36	19.33	221.32	
19-04-22 10:00	14.47	548868.7	19.22	0.26	0.32	31.16	
19-04-22 11:00	14.4	550296.6	21.49	0.19	0.32	25.24	
19-04-22 12:00	14.49	517473.4	44.16	0.29	0.33	24.3	
19-04-22 13:00	14.39	528148.6	32.33	0.32	0.32	20.71	
19-04-22 14:00	14.27	545711.21	19.22	0.34	0.31	20.46	
19-04-22 15:00	14.27	544795.4	19.3	0.37	0.31	20.61	
19-04-22 16:00	14.3	539392.9	21.82	0.35	0.32	20.99	
19-04-22 17:00	14.5	513763.1	45.63	0.24	0.33	19.51	
19-04-22 18:00	14.54	517512.2	45.52	0.06	0.33	20.94	
19-04-22 19:00	14.47	530220.8	25.44	0.07	0.32	27.75	
19-04-22 20:00	14.43	538213.4	15.46	0.09	0.32	30.72	
19-04-22 21:00	14.43	539410.7	19.32	0.37	0.32	31.92	
19-04-22 22:00	14.51	527904.2	38.03	0.09	0.33	30.91	
19-04-22 23:00	17.35	302.490.80	14.66	3.66	5.92	201.45	
20-04-22 0:00	21.03	63.743.51	0.00	0.00	0.00	0.00	Shut down
20-04-22 1:00	21.03	65.588.35	0.00	0.00	0.00	0.00	Shut down
20-04-22 2:00	21.02	67.323.62	0.00	0.00	0.00	0.00	Shut down
20-04-22 3:00	21.03	56.511.34	0.00	0.00	0.00	0.00	Shut down
20-04-22 4:00	21.03	64.143.12	0.00	0.00	0.00	0.00	Shut down
20-04-22 5:00	21.07	64.821.77	0.00	0.00	0.00	0.00	Shut down
20-04-22 6:00	21.06	67.470.45	0.00	0.00	0.00	0.00	Shut down
20-04-22 7:00	21.05	64.055.52	0.00	0.00	0.00	0.00	Shut down
20-04-22 8:00	21.07	62588.06	0.00	0.00	0.00	0.00	Shut down
20-04-22 9:00	16.02	402102.3	30.91	1.08	16.59	217.47	
20-04-22 10:00	14.47	538952.1	25.34	0.18	0.32	29.55	
20-04-22 11:00	14.31	553536.3	22.51	0.29	0.32	28.71	
20-04-22 12:00	14.26	546172.1	19.29	0.35	0.31	23.52	
20-04-22 13:00	14.22	549600.8	20.19	0.47	0.31	27.77	
20-04-22 14:00	14.26	5466127.1	19.29	0.35	0.31	23.52	
20-04-22 15:00	14.17	551610.8	20.12	0.58	0.31	32.18	

20-04-22 16:00	14.19	550541.2	20.28	0.57	0.31	29.01	
20-04-22 17:00	14.31	527938.7	19.48	0.41	0.32	21.99	
20-04-22 18:00	14.3	542647.4	20.3	0.35	0.32	22.21	
20-04-22 19:00	14.35	543287.9	18.64	0.16	0.32	22.33	
20-04-22 20:00	14.37	548789.1	19.93	0.04	0.32	22.76	
20-04-22 21:00	14.38	548521.7	19.91	0.02	0.32	24.06	
20-04-22 22:00	14.43	540206.5	20.7	0.02	0.32	26.76	
20-04-22 23:00	17.27	304716.6	19.14	3.69	5.42	206.25	
21-04-22 0:00	20.98	63050.65	0.00	0.00	0.00	0.00	Shut down
21-04-22 1:00	20.98	65320.24	0.00	0.00	0.00	0.00	Shut down
21-04-22 2:00	20.98	66242.65	0.00	0.00	0.00	0.00	Shut down
21-04-22 3:00	20.98	66220.95	0.00	0.00	0.00	0.00	Shut down
21-04-22 4:00	20.98	65625.3	0.00	0.00	0.00	0.00	Shut down
21-04-22 5:00	21	66897.37	0.00	0.00	0.00	0.00	Shut down
21-04-22 6:00	21.01	67301.34	0.00	0.00	0.00	0.00	Shut down
21-04-22 7:00	21.01	61573.23	0.00	0.00	0.00	0.00	Shut down
21-04-22 8:00	21.01	60201.58	0.00	0.00	0.00	0.00	Shut down
21-04-22 9:00	15.85	404722.4	17.35	2.68	17.88	275.49	
21-04-22 10:00	14.31	549045.1	20.5	0.1	0.32	23.5	
21-04-22 11:00	14.24	549477.4	20	0.3	0.31	25.98	
21-04-22 12:00	14.22	53882.78	19.58	0.34	0.31	21.46	
21-04-22 13:00	14.15	54981.31	19.9	0.55	0.31	31.41	
21-04-22 14:00	14.14	549244.1	20.02	0.6	0.31	32.41	
21-04-22 15:00	14.15	552486.8	20.35	0.58	0.31	29.8	
21-04-22 16:00	14.24	556658.8	19.59	0.41	0.31	26.8	
21-04-22 17:00	14.46	521771.7	44.71	0.77	0.32	24.62	
21-04-22 18:00	14.48	520180.9	45.8	0.04	0.32	19.21	
21-04-22 19:00	14.48	523478.8	36.26	0.02	0.32	21.79	
21-04-22 20:00	14.5	523926.2	30.13	0.01	0.33	21.02	
21-04-22 21:00	14.51	52406.94	29.88	0.01	0.33	22.07	
21-04-22 22:00	14.51	523948.9	30.2	0.02	0.33	22.47	
21-04-22 23:00	17.29	306678.2	12.74	3.71	6.42	183.72	
22-04-22 0:00	20.99	57987.8	0.00	0.00	0.00	0.00	Shut down
22-04-22 1:00	20.98	65914.45	0.00	0.00	0.00	0.00	Shut down
22-04-22 2:00	20.98	68882.59	0.00	0.00	0.00	0.00	Shut down
22-04-22 3:00	20.98	68677.43	0.00	0.00	0.00	0.00	Shut down
22-04-22 4:00	20.98	67543.44	0.00	0.00	0.00	0.00	Shut down
22-04-22 5:00	21	66291.35	0.00	0.00	0.00	0.00	Shut down
22-04-22 6:00	21.01	65496.11	0.00	0.00	0.00	0.00	Shut down
22-04-22 7:00	21.01	58859.5	0.00	0.00	0.00	0.00	Shut down
22-04-22 8:00	21.01	43248.52	0.00	0.00	0.00	0.00	Shut down
22-04-22 9:00	15.9	405813.8	24.25	1.18	16.99	218.89	
22-04-22 10:00	14.28	554512.1	19.91	0.21	0.31	25.44	
22-04-22 11:00	14.26	548607	19.46	0.29	0.31	21.79	
22-04-22 12:00	14.22	551229.6	20.97	0.46	0.31	29.37	
22-04-22 13:00	14.18	552412.9	19.83	0.53	0.31	29.96	
22-04-22 14:00	14.16	553823.7	20.52	0.6	0.31	33.99	
22-04-22 15:00	14.24	554955.8	21.09	0.16	0.31	33.14	
22-04-22 16:00	14.33	551650.6	19.74	0	0.32	27.18	
22-04-22 17:00	14.32	556161.8	20.95	0	0.32	32.16	
22-04-22 18:00	14.39	540693.8	19.62	0	0.32	22.14	
22-04-22 19:00	14.44	539937.1	16.62	0	0.32	21.51	
22-04-22 20:00	14.44	549244.1	17.78	0	0.32	21.97	
22-04-22 21:00	14.48	542645.1	15.84	0	0.32	22.6	
22-04-22 22:00	14.54	533745.6	26.66	0	0.33	28.22	
22-04-22 23:00	17.37	306660.7	15.58	3.26	5.16	219.22	
23-04-22 0:00	21.12	67535.2	0.00	0.00	0.00	0.00	Shut down
23-04-22 1:00	21.11	68679.87	0.00	0.00	0.00	0.00	Shut down
23-04-22 2:00	21.1	67167.91	0.00	0.00	0.00	0.00	Shut down
23-04-22 3:00	21.1	67994	0.00	0.00	0.00	0.00	Shut down
23-04-22 4:00	21.1	68613.79	0.00	0.00	0.00	0.00	Shut down
23-04-22 5:00	21.11	69309.26	0.00	0.00	0.00	0.00	Shut down
23-04-22 6:00	21.12	67372.02	0.00	0.00	0.00	0.00	Shut down
23-04-22 7:00	21.11	66587.58	0.00	0.00	0.00	0.00	Shut down
23-04-22 8:00	21.08	49946.64	0.00	0.00	0.00	0.00	Shut down
23-04-22 9:00	15.99	400349.1	23.53	1.13	17.79	219.57	
23-04-22 10:00	14.38	552162.6	19.12	0	0.32	23.66	
23-04-22 11:00	14.37	550717.6	19.17	0	0.32	24.86	
23-04-22 12:00	14.37	549523.1	19.34	0	0.32	23.61	
23-04-22 13:00	14.34	542070.4	19.26	0	0.32	23.41	
23-04-22 14:00	14.34	540466.2	18.5	0	0.32	21.19	
23-04-22 15:00	14.33	541501.6	18.44	0	0.32	23.13	
23-04-22 16:00	14.34	540972.5	18.62	0	0.32	22.03	
23-04-22 17:00	14.5	514385.2	36.22	0	0.33	19.12	
23-04-22 18:00	14.57	506290.7	39.67	0	0.33	21.09	
23-04-22 19:00	14.56	511146.2	38.48	0	0.33	15.21	
23-04-22 20:00	14.52	518478.7	40.53	0	0.33	21.25	
23-04-22 21:00	14.53	518840.8	41.33	0	0.33	16.14	
23-04-22 22:00	14.57	518126.9	41.49	0	0.33	19.17	
23-04-22 23:00	17.38	299.434.80	16.71	3.18	5.38	199.77	
24-04-22 0:00	21.06	66.820.51	0.00	0.00	0.00	0.00	Shut down
24-04-22 1:00	21.05	68.497.29	0.00	0.00	0.00	0.00	Shut down
24-04-22 2:00	21.04	66.856.09	0.00	0.00	0.00	0.00	Shut down
24-04-22 3:00	21.04	67.082.95	0.00	0.00	0.00	0.00	Shut down
24-04-22 4:00	21.05	64.199.38	0.00	0.00	0.00	0.00	Shut down
24-04-22 5:00	21.05	65.220.67	0.00	0.00	0.00	0.00	Shut down
24-04-22 6:00	21.06	66.173.97	0.00	0.00	0.00	0.00	Shut down
24-04-22 7:00	21.05	61.241.28	0.00	0.00	0.00	0.00	Shut down
24-04-22 8:00	21.04	67.005.06	0.00	0.00	0.00	0.00	Shut down
24-04-22 9:00	21.02	65.147.48	0.00	0.00	0.00	0.00	Shut down
24-04-22 10:00	20.99	62.516.14	0.00	0.00	0.00	0.00	Shut down
24-04-22 11:00	20.92	55.661.66	0.00	0.00	0.00	0.00	Shut down
24-04-22 12:00	20.9	35.007.06	0.00	0.00	0.00	0.00	Shut down
24-04-22 13:00	20.88	17.784.8	0.00	0.00	0.00	0.00	Shut down
24-04-22 14:00	20.84	21.795.15	0.00	0.00	0.00	0.00	Shut down
24-04-22 15:00	20.83	25.268.11	0.00	0.00	0.00	0.00	Shut down

24-04-22 16:00	20.84	28682.4	0.00	0.00	0.00	0.00	Shut down
24-04-22 17:00	19.95	79234.16	3.17	1.6	7.79	132.26	
24-04-22 18:00	14.93	457989.9	26.38	1.56	7.42	266.79	
24-04-22 19:00	14.55	506573	35.53	0	0.33	19.22	
24-04-22 20:00	14.56	506578.1	37.43	0	0.33	20.42	
24-04-22 21:00	14.57	509374.1	36.82	0	0.33	22.49	
24-04-22 22:00	14.54	515349	32.06	0	0.33	25.98	
24-04-22 23:00	14.26	562.863.40	21.14	0	0.31	40.7	
25-04-22 0:00	14.26	562.476.50	22.62	0	0.31	43.12	
25-04-22 1:00	14.26	562.857.70	23.3	0	0.31	44.72	
25-04-22 2:00	14.26	564.621.20	24.26	0	0.31	44.98	
25-04-22 3:00	14.26	567.016.30	24.08	0	0.31	44.76	
25-04-22 4:00	14.27	568.518.10	24.03	0	0.31	43.53	
25-04-22 5:00	14.28	569.951.70	24.21	0	0.31	44.29	
25-04-22 6:00	14.29	570.361.30	24.33	0	0.32	43.47	
25-04-22 7:00	14.28	564.149.10	23.71	0	0.32	43.01	
25-04-22 8:00	14.29	558.573.90	24.45	0	0.32	39.98	
25-04-22 9:00	14.37	543.655.80	28.58	0	0.32	30.85	
25-04-22 10:00	14.31	550.643.60	23.07	0	0.32	28.79	
25-04-22 11:00	14.29	551.423.00	23.4	0	0.32	33.04	
25-04-22 12:00	14.30	544.186.80	21.64	0	0.32	27.23	
25-04-22 13:00	14.24	549.204.30	22.49	0	0.31	35.22	
25-04-22 14:00	14.22	546.274.60	22.57	0	0.31	35.34	
25-04-22 15:00	14.22	548.959.70	22.93	0	0.31	35.67	
25-04-22 16:00	14.22	553.829.40	22.95	0	0.31	35.57	
25-04-22 17:00	14.27	546.280.30	21.07	0	0.31	27.67	
25-04-22 18:00	14.32	535290.3	26.66	0	0.32	22.21	
25-04-22 19:00	14.5	505821.4	43.03	0	0.33	16.01	
25-04-22 20:00	14.51	508034.3	43.09	0	0.33	16.14	
25-04-22 21:00	14.51	510514.7	42.68	0	0.33	15.68	
25-04-22 22:00	14.51	511359.5	42.61	0	0.33	15.49	
25-04-22 23:00	14.5	513802.9	42.65	0	0.33	15.32	
26-04-22 0:00	14.46	524365.9	38.84	0	0.32	18.64	
26-04-22 1:00	14.32	549111.6	23.5	0	0.32	42.48	
26-04-22 2:00	14.25	562032.8	22.23	0	0.31	44.61	
26-04-22 3:00	14.24	561594.8	22.44	0	0.31	46.42	
26-04-22 4:00	14.25	563716.7	22.64	0	0.31	46.09	
26-04-22 5:00	14.26	567664.8	24.36	0	0.31	44.03	
26-04-22 6:00	14.27	566635.1	24.62	0	0.31	43.72	
26-04-22 7:00	14.27	561111.2	24.09	0	0.31	42.4	
26-04-22 8:00	14.28	555627.1	24.62	0	0.31	37.53	
26-04-22 9:00	14.34	542566.8	28.72	0	0.32	28.66	
26-04-22 10:00	14.29	552327.5	24.54	0	0.32	30.19	
26-04-22 11:00	14.26	551878.1	24.31	0	0.31	32.78	
26-04-22 12:00	14.27	546741.1	22.81	0	0.31	28.41	
26-04-22 13:00	14.24	547991.2	24.43	0	0.31	32.82	
26-04-22 14:00	14.21	545705.7	24.58	0	0.31	33.24	
26-04-22 15:00	14.21	542428.9	25.85	0	0.31	33.65	
26-04-22 16:00	14.2	550273.8	23.77	0	0.31	31.28	
26-04-22 17:00	14.27	540574.3	22.22	0	0.31	19.11	
26-04-22 18:00	14.29	545301.8	22.28	0	0.32	21.75	
26-04-22 19:00	14.27	553562	22.61	0	0.31	26.53	
26-04-22 20:00	14.29	557299.6	23.81	0	0.32	24.74	
26-04-22 21:00	14.33	552071.5	21.46	0	0.32	19.45	
26-04-22 22:00	14.37	546126.6	20.48	0	0.32	20.42	
26-04-22 23:00	14.39	540.629.10	28.51	0	0.32	24.96	
27-04-22 0:00	14.26	560.792.60	24.77	0	0.31	39.62	
27-04-22 1:00	14.26	561.754.00	24.36	0	0.31	40.05	
27-04-22 2:00	14.25	561.213.60	24.26	0	0.31	41.68	
27-04-22 3:00	14.25	562.260.30	24.23	0	0.31	42.06	
27-04-22 4:00	14.26	563.113.70	24.78	0	0.31	42.1	

27-04-22 5:00	14.26	565.776.10	25.37	0	0.31	41.8	
27-04-22 6:00	14.27	565.616.80	25.09	0	0.31	41.73	
27-04-22 7:00	14.30	562.072.60	25.94	0	0.32	39.47	
27-04-22 8:00	14.29	557043.6	26.58	0	0.32	35.33	
27-04-22 9:00	14.36	541070.2	29.9	0	0.36	26.18	
27-04-22 10:00	14.02	545216.4	15.27	0.19	0.3	27.77	
27-04-22 11:00	13.95	549821.5	16.43	0.32	0.3	29.17	
27-04-22 12:00	14.02	545216.4	15.27	0.19	0.3	27.77	
27-04-22 13:00	14	546883.3	15.67	0.18	0.3	30.6	
27-04-22 14:00	13.98	544886.4	15.25	0.21	0.3	31.84	
27-04-22 15:00	13.99	545643.1	15.37	0.25	0.3	31.94	
27-04-22 16:00	13.99	543669.1	15.45	0.22	0.3	32.72	
27-04-22 17:00	14.03	545051.4	15.26	0.18	0.3	29.84	
27-04-22 18:00	14.07	539999.7	14.35	0.04	0.31	17.63	
27-04-22 19:00	14.03	555911.5	16.3	0.11	0.3	24.33	
27-04-22 20:00	14.09	545215.8	17.13	0.06	0.31	18.72	
27-04-22 21:00	14.16	534555.5	23.07	0.06	0.31	16.28	
27-04-22 22:00	14.06	558226.9	16.38	0.11	0.3	24.35	
27-04-22 23:00	16.85	320.597.20	7.5	3.31	5.18	147.29	
28-04-22 0:00	20.65	64.330.26	0.00	0.00	0.00	0.00	Shut down
28-04-22 1:00	20.66	63.360.23	0.00	0.00	0.00	0.00	Shut down
28-04-22 2:00	20.68	64.100.25	0.00	0.00	0.00	0.00	Shut down
28-04-22 3:00	20.70	64.935.87	0.00	0.00	0.00	0.00	Shut down
28-04-22 4:00	20.70	66.127.43	0.00	0.00	0.00	0.00	Shut down
28-04-22 5:00	20.71	65.239.54	0.00	0.00	0.00	0.00	Shut down
28-04-22 6:00	20.72	64.633.95	0.00	0.00	0.00	0.00	Shut down
28-04-22 7:00	20.69	66.597.23	0.00	0.00	0.00	0.00	Shut down
28-04-22 8:00	20.66	66683.99	0.00	0.00	0.00	0.00	Shut down
28-04-22 9:00	15.59	403537.7	12.96	1.72	18.94	249.04	
28-04-22 10:00	14.08	556548.7	14.08	0.01	0.31	29.49	
28-04-22 11:00	14.04	553926.1	17.48	0.01	0.3	31.38	
28-04-22 12:00	14.03	548396.5	15.97	0	0.3	28.11	
28-04-22 13:00	14.02	550194.2	16.82	0.03	0.3	31.9	
28-04-22 14:00	14	555046.8	16.87	0.09	0.3	31.36	
28-04-22 15:00	15.95	351469	6.65	2.52	13.97	523	
28-04-22 16:00	14.12	543733.1	17.2	0.55	0.95	31.69	
28-04-22 17:00	14.24	512773.2	36.84	0.09	0.31	15.28	
28-04-22 18:00	14.28	52216.8	31.94	0.07	0.31	15.03	
28-04-22 19:00	14.32	530152.3	27.44	0.15	0.32	21.86	
28-04-22 20:00	14.35	531540.3	28.15	0.12	0.32	26.6	
28-04-22 21:00	14.47	521634.1	28.35	5.12	24.75	53.42	
28-04-22 22:00	16.94	28919.13	1.16	1.34	17.67	450.86	
28-04-22 23:00	17.14	312.637.90	11.53	3.67	8.67	171.42	
29-04-22 0:00	20.78	78741.21	0.00	0.00	0.00	0.00	Shut down
29-04-22 1:00	20.75	72894.43	0.00	0.00	0.00	0.00	Shut down
29-04-22 2:00	20.75	60031.2	0.00	0.00	0.00	0.00	Shut down
29-04-22 3:00	20.76	62643.93	0.00	0.00	0.00	0.00	Shut down
29-04-22 4:00	20.77	60161.54	0.00	0.00	0.00	0.00	Shut down
29-04-22 5:00	20.78	68648.13	0.00	0.00	0.00	0.00	Shut down
29-04-22 6:00	20.78	69886.93	0.00	0.00	0.00	0.00	Shut down
29-04-22 7:00	20.78	69464.91	0.00	0.00	0.00	0.00	Shut down
29-04-22 8:00	20.78	69418.36	0.00	0.00	0.00	0.00	Shut down
29-04-22 9:00	15.76	404112.3	19.96	1.08	19.4	180.68	
29-04-22 10:00	14.32	530821.3	41.55	0	0.32	19.62	
29-04-22 11:00	14.2	533744.8	25.69	0	0.31	15.63	
29-04-22 12:00	14.08	548828.9	16.13	0	0.31	17.61	
29-04-22 13:00	14.03	554324.3	18.56	0.02	0.3	24.2	
29-04-22 14:00	13.99	552816.8	19.11	0.03	0.3	26.3	
29-04-22 15:00	14.01	551309.2	18.68	0.02	0.3	23.38	
29-04-22 16:00	14.03	547418	17.81	0.01	0.3	21.1	
29-04-22 17:00	14.05	543674.8	16.79	0	0.3	17.87	
29-04-22 18:00	14.1	538873.3	15.78	0	0.31	16.45	
29-04-22 19:00	14.12	540232.9	14.7	0.01	0.31	16.65	
29-04-22 20:00	14.12	545739.8	14.2	0.03	0.31	16.93	
29-04-22 21:00	14.16	541205.8	12.25	0.03	0.31	17.97	
29-04-22 22:00	14.19	538719.7	12.41	0	0.31	17.83	
29-04-22 23:00	17.01	310243.6	5.17	2.89	5.76	147.79	
30-04-22 0:00	20.72	64796.09	0.00	0.00	0.00	0.00	Shut down
30-04-22 1:00	20.71	67684.16	0.00	0.00	0.00	0.00	Shut down
30-04-22 2:00	20.7	70179.66	0.00	0.00	0.00	0.00	Shut down
30-04-22 3:00	20.7	67231.91	0.00	0.00	0.00	0.00	Shut down
30-04-22 4:00	20.72	65288.6	0.00	0.00	0.00	0.00	Shut down
30-04-22 5:00	20.72	62637.67	0.00	0.00	0.00	0.00	Shut down
30-04-22 6:00	20.74	59250.31	0.00	0.00	0.00	0.00	Shut down
30-04-22 7:00	20.75	62721.11	0.00	0.00	0.00	0.00	Shut down
30-04-22 8:00	20.72	60011.16	0.00	0.00	0.00	0.00	Shut down
30-04-22 9:00	16.25	343341.8	10.66	3.62	19.75	338.36	
30-04-22 10:00	14.19	531617.1	12.94	0	0.31	16.51	
30-04-22 11:00	14.16	528570.6	15.32	0	0.31	15.36	
30-04-22 12:00	14.2	523672	25.56	0	0.31	16.93	
30-04-22 13:00	14.12	533156.1	16.23	0	0.31	14.56	
30-04-22 14:00	14.08	53960.3	16.97	0	0.31	15.53	
30-04-22 15:00	14.08	533047.8	16.58	0	0.31	14.67	
30-04-22 16:00	14.19	516558.6	34.18	0	0.31	15.35	
30-04-22 17:00	14.24	507297.6	39.28	0	0.31	13.02	
30-04-22 18:00	14.23	508975.8	37.65	0	0.31	13.31	
30-04-22 19:00	14.25	512403.4	39.23	0	0.31	12.75	
30-04-22 20:00	14.26	514235.2	39.69	0	0.31	13.31	
30-04-22 21:00	14.28	514957.8	40.19	0	0.31	12.65	
30-04-22 22:00	14.35	519276.2	42.02	0.01	0.32	23.25	
30-04-22 23:00	17.1	303632.2	15.49	5.92	12.9	159.99	
Minimum	13.95	309.91	1.02	0.01	0.30	12.57	
Maximum	21.12	596.173.80	52.76	5.80	27.39	550.86	
Avg	17.30	317.508.27	28.14	0.75	1.90	53.08	
STD	6.00	120	STD = 6.20	STD = 28.60	STD = 690		

Site Name: GULF_NRV1
Stack Name: HRSG_STACK2
Periodically: 01/05/2020 00:00-31/05/2020 23:59

Date & Time	Emission Concentration for Standardization Comparison						Remark
	O2	FLOW @ 1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2	
	%	m3/hr	ppm	ppm	mg/m3	ppm	
01-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
01-05-22 18:00	14.37	485759.6	25.61	1.21	1.24	50.34	
01-05-22 19:00	14.34	487369.5	30.08	0	0.32	15.54	
01-05-22 20:00	14.36	487187.4	30.53	0	0.32	14.58	
01-05-22 21:00	14.4	48612.8	30.78	0	0.32	15.71	
01-05-22 22:00	14.43	485092.5	31.05	0	0.32	15.01	
01-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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02-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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02-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 18:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 19:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 20:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 21:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-05-22 8:00	14.55	518,713.30	23.33	1.65	2.99	143.04	
03-05-22 9:00	14.46	528,966.00	32.98	0.22	0.32	30.85	
03-05-22 10:00	14.45	527,765.40	32.92	0.13	0.32	30.34	
03-05-22 11:00	14.44	528,064.40	32.88	0.12	0.32	31.27	
03-05-22 12:00	14.47	498,437.70	42.45	0.03	0.32	17.12	
03-05-22 13:00	14.44	517,530.50	37.04	0.07	0.32	20.84	
03-05-22 14:00	14.40	532,859.10	34.70	0.19	0.32	30.21	
03-05-22 15:00	14.42	506,154.20	43.74	0.09	0.32	14.54	
03-05-22 16:00	14.42	505,238.30	42.45	0.12	0.32	14.04	
03-05-22 17:00	14.45	492,085.50	39.40	0.19	0.32	13.89	
03-05-22 18:00	14.48	481708.2	38.14	0.23	0.32	16.61	
03-05-22 19:00	14.49	481854.1	37.4	0.23	0.33	15.34	
03-05-22 20:00	14.48	494449.3	37.5	0.24	0.32	14.7	
03-05-22 21:00	14.47	496958.1	38.77	0.24	0.32	13.58	
03-05-22 22:00	14.48	492233.6	38.95	0.29	0.32	14.33	
03-05-22 23:00	14.55	474,588.90	31.11	0.54	2.15	27.39	
04-05-22 0:00	14.63	449,447.30	23.08	0.50	0.40	20.20	
04-05-22 1:00	14.59	447,168.90	25.84	0.42	0.42	13.01	
04-05-22 2:00	14.56	449,928.00	27.19	0.41	0.64	10.69	
04-05-22 3:00	14.63	443,291.90	22.75	0.45	1.75	16.53	
04-05-22 4:00	14.61	440,421.90	24.22	0.45	2.16	13.62	
04-05-22 5:00	14.62	442,871.00	24.33	0.43	0.88	13.70	
04-05-22 6:00	14.62	444,566.30	25.88	0.33	1.18	11.46	
04-05-22 7:00	14.67	443,986.00	19.84	0.81	1.92	35.72	
04-05-22 8:00	14.41	541,341.90	28.96	0.82	0.32	49.57	
04-05-22 9:00	14.41	537,069.90	33.39	0.64	0.32	40.64	
04-05-22 10:00	14.41	532479	33.31	0.51	0.32	39.18	

04-05-22 11:00	14.41	529153.8	33.98	0.36	0.32	36.93	
04-05-22 12:00	14.4	526109.8	35.19	0.28	0.32	36.47	
04-05-22 13:00	14.39	525619.6	31.68	0.15	0.32	35.64	
04-05-22 14:00	14.37	526053.9	27.9	0.12	0.32	35.75	
04-05-22 15:00	14.36	524410.1	31.12	0.02	0.32	30.3	
04-05-22 16:00	14.35	523003	30.39	0	0.32	27.84	
04-05-22 17:00	14.35	523945.9	30.49	0	0.32	28.12	
04-05-22 18:00	14.36	524780.3	30.37	0.02	0.32	31.83	
04-05-22 19:00	14.36	527671.8	31.27	0.06	0.32	31.08	
04-05-22 20:00	14.36	526128.6	31.43	0.14	0.32	35.12	
04-05-22 21:00	14.37	524598.6	32.29	0.21	0.32	36.31	
04-05-22 22:00	14.38	525446.6	32.71	0.24	0.32	35.81	
04-05-22 23:00	14.43	509750	26.57	0.5	1.89	46.79	
05-05-22 0:00	14.54	456,834.30	24.78	0.18	0.33	21.22	
05-05-22 1:00	14.55	448,329.50	23.43	0.17	1.30	17.04	
05-05-22 2:00	14.52	450,531.10	25.67	0.17	0.39	12.52	
05-05-22 3:00	14.53	445,482.20	24.11	0.26	0.63	14.52	
05-05-22 4:00	14.51	454,299.90	24.57	0.24	0.33	13.35	
05-05-22 5:00	14.58	441,824.20	17.13	0.47	6.57	30.38	
05-05-22 6:00	14.51	449,271.00	25.40	0.26	0.70	11.60	
05-05-22 7:00	14.55	453,560.40	20.40	0.45	1.63	25.91	
05-05-22 8:00	14.32	527,274.10	31.93	0.29	0.32	34.65	
05-05-22 9:00	14.33	519,811.20	43.19	0.06	0.32	29.46	
05-05-22 10:00	14.33	517347.2	45.09	0	0.32	24.8	
05-05-22 11:00	14.29	515000.4	43.7	0	0.32	22.62	
05-05-22 12:00	14.26	509706.9	41.51	0	0.31	17.18	
05-05-22 13:00	14.12	535941.6	21.15	0	0.31	17.45	
05-05-22 14:00	14.05	545222.1	15.15	0	0.3	17.43	
05-05-22 15:00	14.05	545279	14.99	0	0.3	17.5	
05-05-22 16:00	14.06	542980.7	14.63	0	0.31	17.65	
05-05-22 17:00	14.15	525065.6	25.63	0	0.31	17.16	
05-05-22 18:00	14.25	507664.6	38.34	0	0.31	14.8	
05-05-22 19:00	14.27	511919.8	39.02	0	0.31	14.75	
05-05-22 20:00	14.29	513194.2	39.63	0	0.32	16.67	
05-05-22 21:00	14.29	516894.8	40.22	0	0.32	20.45	
05-05-22 22:00	14.23	528171.4	27.37	0	0.31	24.19	
05-05-22 23:00	14.35	502337	33.8	0.41	1.9	41.12	
06-05-22 0:00	14.46	456,564.10	20.35	0.27	0.32	33.52	
06-05-22 1:00	14.47	449,416.00	19.44	0.06	0.82	22.29	
06-05-22 2:00	14.46	447,589.90	21.46	0.00	0.53	17.01	
06-05-22 3:00	14.44	451,700.10	23.66	0.00	0.32	12.58	
06-05-22 4:00	14.45	448,030.80	22.23	0.00	0.83	14.62	
06-05-22 5:00	14.45	450,243.80	22.41	0.00	0.94	14.64	
06-05-22 6:00	14.45	451,151.20	22.41	0.00	0.32	14.33	
06-05-22 7:00	14.48	451,596.30	19.65	0.17	0.88	24.49	
06-05-22 8:00	14.22	532,514.80	24.51	0.17	0.31	36.19	
06-05-22 9:00	14.26	515,876.50	40.39	0.06	0.31	28.83	
06-05-22 10:00	14.24	515900.2	35.63	0.02	0.31	23.22	
06-05-22 11:00	14.09	543902.3	12.29	0	0.31	20.51	
06-05-22 12:00	14.06	540147.6	11.38	0	0.31	20.89	
06-05-22 13:00	14.04	543614.6	13.05	0.03	0.3	23.98	
06-05-22 14:00	14.01	544761.3	11.37	0.02	0.3	22.75	
06-05-22 15:00	13.99	550643.6	12.63	0.07	0.3	27.61	
06-05-22 16:00	14	548151.9	12.39	0.04	0.3	27.28	
06-05-22 17:00	14.02	545766.9	12.64	0.07	0.3	25.19	
06-05-22 18:00	14.06	538384.1	11.01	0.04	0.3	22.51	
06-05-22 19:00	14.17	526254.1	24.61	0.19	0.31	31.82	
06-05-22 20:00	14.26	521895	27.1	0.3	0.31	39.53	
06-05-22 21:00	14.21	530206.5	22.25	0.28	0.31	35.57	
06-05-22 22:00	14.16	534128.3	13.49	0.2	0.31	32.26	
06-05-22 23:00	14.31	503437.9	33.24	0.58	2.09	50.43	
07-05-22 0:00	14.43	450,482.70	22.86	0.06	0.48	16.85	
07-05-22 1:00	14.42	447,607.00	24.24	0.00	0.52	11.11	
07-05-22 2:00	14.45	445,101.00	21.73	0.01	1.52	13.96	
07-05-22 3:00	14.46	441,838.40	21.56	0.02	3.03	13.79	
07-05-22 4:00	14.43	444,261.90	23.05	0.00	0.75	11.10	
07-05-22 5:00	14.44	441,992.00	22.37	0.00	2.61	11.84	
07-05-22 6:00	14.49	437,409.60	19.09	0.04	7.40	17.28	
07-05-22 7:00	14.50	444,084.00	18.80	0.11	2.92	21.56	
07-05-22 8:00	14.27	525,086.20	26.71	0.06	0.31	32.79	
07-05-22 9:00	14.30	522,031.70	26.34	0.24	0.32	30.72	
07-05-22 10:00	14.28	523835	25.98	0.18	0.31	35.8	
07-05-22 11:00	14.25	522836.5	32.49	0.06	0.31	34.51	
07-05-22 12:00	14.25	518687.4	38.43	0.31	0.31	33.21	
07-05-22 13:00	14.11	539134.7	10.01	0.09	0.3	26.33	
07-05-22 14:00	14.13	538781.7	15.2	0.02	0.27	21.5	
07-05-22 15:00	14.23	519102.4	39.42	0.1	0.31	35.39	
07-05-22 16:00	14.23	520618.2	30.93	0.08	0.31	31.1	
07-05-22 17:00	14.23	519945	39.45	0.02	0.31	27.08	
07-05-22 18:00	14.25	517887.7	38.81	0.03	0.31	21.97	
07-05-22 19:00	14.25	513746.2	38.28	0.01	0.31	24.88	
07-05-22 20:00	14.27	515126	38.24	0	0.31	21.53	
07-05-22 21:00	14.26	522770.8	25.06	0	0.31	22.85	
07-05-22 22:00	14.28	510621.7	31.95	0	0.31	19.15	
07-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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09-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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09-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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09-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 18:00	14.35	492330.2	24.7	1.6	1.64	56.15	
09-05-22 19:00	14.29	492273.3	30.57	0	0.32	19.18	
09-05-22 20:00	14.33	491971.1	32.07	0	0.32	17.94	
09-05-22 21:00	14.34	492449.6	31.65	0	0.32	18.68	
09-05-22 22:00	14.35	492293.2	31.26	0	0.32	19.22	
09-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
09-05-22 8:00	14.30	515,995.30	28.77	1.78	2.69	63.63	
09-05-22 9:00	14.26	511,979.60	38.16	0.00	0.31	30.82	
09-05-22 10:00	14.21	517,144.80	28.19	0.01	0.31	25.79	
09-05-22 11:00	14.05	545,379.70	11.87	0.05	0.31	21.95	
09-05-22 12:00	14.05	544,880.80	11.85	0.00	0.30	21.68	
09-05-22 13:00	14.04	551,917.80	13.92	0.04	0.30	28.02	
09-05-22 14:00	14.03	556,287.00	15.02	0.05	0.30	31.05	
09-05-22 15:00	14.01	548,874.40	12.39	0.01	0.30	24.03	
09-05-22 16:00	14.00	547,526.10	12.40	0.00	0.30	24.29	
09-05-22 17:00	14.10	532,933.20	13.24	0.01	0.31	24.60	
09-05-22 18:00	14.24	519136.6	41.59	0.02	0.31	32	
09-05-22 19:00	14.26	518542	42.17	0.02	0.31	33.42	
09-05-22 20:00	14.26	517906.1	40.9	0.01	0.31	33.01	
09-05-22 21:00	14.29	518365.7	42.22	0.01	0.31	31.7	
09-05-22 22:00	14.3	515734.3	41.52	0	0.32	30.81	
09-05-22 23:00	14.34	501,438.10	33.53	0.34	1.83	48.28	
10-05-22 0:00	14.46	458,999.00	18.81	0.28	0.63	34.22	
10-05-22 1:00	14.44	451,668.80	22.56	0.04	1.04	19.73	
10-05-22 2:00	14.43	450,431.50	25.08	0.00	0.51	12.07	
10-05-22 3:00	14.44	450,112.90	25.23	0.00	0.32	13.57	
10-05-22 4:00	14.43	453,199.20	26.05	0.00	2.01	11.89	
10-05-22 5:00	14.48	443,311.80	23.70	0.01	9.64	16.25	
10-05-22 6:00	14.45	452,451.10	26.95	0.00	0.66	11.30	
10-05-22 7:00	14.45	451,651.20	21.33	0.01	26.15	26.15	
10-05-22 8:00	14.26	522,223.80	37.24	0.05	0.31	31.25	
10-05-22 9:00	14.25	514,878.30	39.00	0.00	0.31	18.20	
10-05-22 10:00	14.09	541426.4	19.21	0	0.31	16.83	
10-05-22 11:00	14.05	548481.8	16.04	0	0.3	17.31	
10-05-22 12:00	14.05	538458	16.57	0	0.3	16.65	
10-05-22 13:00	13.97	550399	17.78	0	0.3	23.36	
10-05-22 14:00	13.97	551861.1	17.53	0	0.3	23.67	
10-05-22 15:00	13.97	551013.4	17.14	0	0.3	24.27	
10-05-22 16:00	14.02	548612.7	15.66	0	0.3	18.16	
10-05-22 17:00	14.14	531153.8	22.08	0	0.31	23.3	
10-05-22 18:00	14.21	519015	39.42	0	0.31	21.77	
10-05-22 19:00	14.26	516075.6	44.11	0	0.31	20.01	
10-05-22 20:00	14.27	517002.9	44.61	0	0.31	21.07	
10-05-22 21:00	14.27	518046.8	45.18	0	0.31	21.73	
10-05-22 22:00	14.28	517694.3	44.79	0	0.32	21.86	
10-05-22 23:00	14.33	502561.7	36.74	0.22	1.72	37.07	
11-05-22 0:00	14.45	458,370.30	22.70	0.12	0.94	29.99	
11-05-22 1:00	14.44	449,660.70	25.51	0.00	1.49	13.62	
11-05-22 2:00	14.43	450,861.00	26.06	0.00	0.78	11.81	
11-05-22 3:00	14.43	447,794.70	24.71	0.00	1.85	13.39	
11-05-22 4:00	14.44	447,794.70	24.55	0.00	2.83	13.63	
11-05-22 5:00	14.44	446,173.40	24.59	0.00	1.20	13.17	
11-05-22 6:00	14.46	446,400.90	24.79	0.00	2.28	13.70	
11-05-22 7:00	14.51	448,693.50	20.31	0.11	2.14	26.50	
11-05-22 8:00	14.26	525,601.60	27.81	0.31	0.31	22.58	
11-05-22 9:00	14.28	516,104.00	43.28	0.00	0.32	16.51	
11-05-22 10:00	14.2	528034.4	30.6	0	0.31	15.44	
11-05-22 11:00	14.06	545034.4	18.3	0	0.3	15.96	
11-05-22 12:00	14	548373.8	18.08	0	0.3	20.25	
11-05-22 13:00	13.98	550199.9	18.14	0	0.3	22.75	
11-05-22 14:00	13.96	553,044.30	18.84	0.00	0.30	27.13	
11-05-22 15:00	13.97	551,514.00	18.89	0.00	0.30	27.39	
11-05-22 16:00	13.96	553,397.10	16.26	0.00	0.30	22.77	
11-05-22 17:00	14.05	538412.5	13.41	0	0.3	18.28	
11-05-22 18:00	14.19	520841.1	41.29	0	0.31	21.11	
11-05-22 19:00	14.23	519372.9	44.4	0	0.31	23.19	
11-05-22 20:00	14.26	515826.3	42.4	0	0.31	28.25	
11-05-22 21:00	14.21	528746.2	30.81	0	0.31	24.25	
11-05-22 22:00	14.26	519699.9	43.98	0	0.31	25.08	
11-05-22 23:00	14.31	494118	37.07	0.15	2.36	34.25	
12-05-22 0:00	14.43	453,176.40	23.95	0.05	0.39	19.29	

12-05-22 1:00	14.41	448,764.70	25.41	0.00	0.58	10.78
12-05-22 2:00	14.42	451,993.10	24.32	0.00	1.49	12.00
12-05-22 3:00	14.42	451,640.40	23.69	0.00	1.00	11.66
12-05-22 4:00	14.42	453,938.70	24.38	0.00	0.92	11.78
12-05-22 5:00	14.45	448,616.80	23.24	0.00	0.89	13.42
12-05-22 6:00	14.46	443,465.50	23.25	0.00	2.37	13.60
12-05-22 7:00	14.49	449,472.90	19.92	0.07	2.28	22.99
12-05-22 8:00	14.07	556,872.50	18.27	0.02	0.31	23.42
12-05-22 9:00	14.08	547,435.10	17.25	0.00	0.31	19.33
12-05-22 10:00	14.07	543,589.40	15.84	0.00	0.31	15.94
12-05-22 11:00	14.03	546,303.00	15.41	0.00	0.30	16.70
12-05-22 12:00	14.09	538,605.90	14.46	0.00	0.31	17.13
12-05-22 13:00	14.01	546,712.60	15.28	0.00	0.30	17.90
12-05-22 14:00	13.96	548,305.50	15.52	0.00	0.30	18.80
12-05-22 15:00	13.95	552,887.40	16.93	0.00	0.30	21.90
12-05-22 16:00	13.98	551,661.90	15.80	0.00	0.30	18.56
12-05-22 17:00	14.03	536,284.90	13.60	0.00	0.30	17.54
12-05-22 18:00	14.07	530,288.80	11.58	0.00	0.31	16.58
12-05-22 19:00	14.07	533,685.10	12.59	0.00	0.31	16.89
12-05-22 20:00	14.08	537,599.00	13.51	0.00	0.31	17.37
12-05-22 21:00	14.12	539,720.90	13.53	0.00	0.31	17.82
12-05-22 22:00	14.15	538,219.10	13.37	0.00	0.31	17.91
12-05-22 23:00	14.26	511,155.50	23.35	0.07	1.47	25.94
13-05-22 0:00	14.40	457,764.50	25.21	0.00	0.65	13.72
13-05-22 1:00	14.40	455,579.90	23.34	0.00	0.46	12.34
13-05-22 2:00	14.37	456,970.90	25.56	0.00	0.81	10.57
13-05-22 3:00	14.41	451,262.10	22.99	0.00	1.02	12.60
13-05-22 4:00	14.40	453,392.60	24.62	0.00	0.82	11.15
13-05-22 5:00	14.42	445,172.10	24.06	0.00	1.89	11.46
13-05-22 6:00	14.41	450,167.00	24.85	0.00	0.85	10.46
13-05-22 7:00	14.45	454,638.40	21.72	0.01	0.86	15.71
13-05-22 8:00	14.06	554,929.80	16.07	0.03	0.30	25.40
13-05-22 9:00	14.06	548,038.10	13.72	0.00	0.30	15.47
13-05-22 10:00	14.01	549,665.10	15.08	0.00	0.30	18.39
13-05-22 11:00	13.96	549,898.40	16.18	0.00	0.30	22.26
13-05-22 12:00	13.98	541,120.40	14.33	0.00	0.30	16.37
13-05-22 13:00	13.93	551,849.70	15.81	0.00	0.30	22.12
13-05-22 14:00	13.92	552,031.70	17.38	0.00	0.30	24.63
13-05-22 15:00	13.94	551,485.60	15.25	0.00	0.30	20.72
13-05-22 16:00	13.98	545,449.70	14.63	0.00	0.30	18.76
13-05-22 17:00	14.01	541,885.60	15.87	0.00	0.30	15.96
13-05-22 18:00	14.04	536,011.80	15.22	0.00	0.30	13.54
13-05-22 19:00	14.03	539,117.90	12.79	0.00	0.30	15.59
13-05-22 20:00	14.04	546,314.40	12.91	0.00	0.30	16.35
13-05-22 21:00	14.07	542,013.60	11.95	0.00	0.31	17.02
13-05-22 22:00	14.10	538,617.30	11.53	0.00	0.31	17.05
13-05-22 23:00	14.21	515,729.00	10.15	0.21	1.51	31.42
14-05-22 0:00	14.41	460,671.50	24.26	0.03	0.59	18.09
14-05-22 1:00	14.41	450,519.70	25.94	0.00	0.85	11.92
14-05-22 2:00	14.41	449,160.00	25.97	0.00	1.43	10.90
14-05-22 3:00	14.41	444,793.80	26.71	0.00	0.92	10.54
14-05-22 4:00	14.44	438,157.70	24.70	0.00	6.69	11.47
14-05-22 5:00	14.46	430,995.40	22.87	0.00	13.66	12.16
14-05-22 6:00	14.48	425,408.90	21.06	0.00	15.39	14.76
14-05-22 7:00	14.51	426,600.80	18.26	0.18	17.78	27.36
14-05-22 8:00	14.54	519,751.80	35.10	0.06	0.31	18.83
14-05-22 9:00	14.26	509,706.90	39.30	0.00	0.31	11.87
14-05-22 10:00	14.26	507,351.70	38.91	0.00	0.31	11.33
14-05-22 11:00	14.23	503,139.10	37.76	0.00	0.31	11.38
14-05-22 12:00	14.23	500,010.20	37.22	0.00	0.31	11.45
14-05-22 13:00	14.23	499,045.80	36.67	0.00	0.31	11.81
14-05-22 14:00	14.22	497,097.50	36.16	0.00	0.31	11.54
14-05-22 15:00	14.22	506,683.20	35.94	0.00	0.31	15.25
14-05-22 16:00	14.22	516,735.80	39.57	0.00	0.31	11.92
14-05-22 17:00	14.24	513,444.50	37.96	0.00	0.31	14.26
14-05-22 18:00	14.25	513,726.10	37.42	0.00	0.31	17.26
14-05-22 19:00	14.25	518,086.80	38.83	0.00	0.31	14.07
14-05-22 20:00	14.27	518,692.90	39.18	0.00	0.31	14.27
14-05-22 21:00	14.29	518,291.60	38.97	0.00	0.32	15.69
14-05-22 22:00	14.41	515,603.40	37.42	0.00	0.32	17.38
14-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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15-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
15-05-22 18:00	Shutdown	Shutdown	Shutdown	1.13	Shutdown	Shutdown
15-05-22 19:00	14.39	488,780.30	27.09	0.00	0.32	43.23
15-05-22 20:00	14.34	488,057.80	33.89	0.00	0.32	14.12

15-05-22 20:00	14.35	488 430.40	33.22	0.00	0.32	14.18	
15-05-22 21:00	14.35	489 391.80	33.39	0.00	0.32	13.76	
15-05-22 22:00	14.36	488 146.00	31.80	0.00	0.32	13.74	
15-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-05-22 18:00	14.35	501 692.00	30.22	0.82	8.32	41.55	
16-05-22 19:00	14.28	509 101.00	32.99	0.00	0.31	13.17	
16-05-22 20:00	14.30	508 581.70	34.19	0.00	0.32	12.84	
16-05-22 21:00	14.31	507 801.10	33.95	0.00	0.31	13.13	
16-05-22 22:00	14.30	506 751.50	33.66	0	0.32	13.20	
16-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17-05-22 8:00	14.31	517 841.00	34.15	1.36	2.31	47.52	
17-05-22 9:00	14.27	521 820.00	37.77	0.00	0.31	27.83	
17-05-22 10:00	14.24	519 398.90	35.63	0.00	0.31	25.95	
17-05-22 11:00	14.23	513 171.10	37.61	0.00	0.31	20.62	
17-05-22 12:00	14.23	510 546.00	36.57	0.00	0.31	18.94	
17-05-22 13:00	14.21	509 294.40	36.16	0.01	0.31	18.17	
17-05-22 14:00	14.04	545 736.70	10.76	0.00	0.30	14.71	
17-05-22 15:00	14.03	546 667.10	9.90	0.00	0.30	14.96	
17-05-22 16:00	14.05	543 356.10	9.95	0.00	0.31	14.83	
17-05-22 17:00	14.14	528 585.80	15.70	0.00	0.31	18.08	
17-05-22 18:00	14.23	520 511.60	39.30	0.00	0.31	25.73	
17-05-22 19:00	14.23	520 658.90	38.81	0.00	0.31	26.80	
17-05-22 20:00	14.24	520 996.30	39.06	0.00	0.31	27.02	
17-05-22 21:00	14.26	521 051.00	39.50	0.00	0.31	26.25	
17-05-22 22:00	14.24	522 462.90	35.05	0.00	0.31	26.25	
17-05-22 23:00	14.30	505 591.00	34.52	0.04	1.76	32.08	
18-05-22 0:00	14.41	455 306.90	22.30	0.00	0.47	13.98	
18-05-22 1:00	14.39	456 018.00	22.65	0.00	0.43	10.36	
18-05-22 2:00	14.40	459 098.50	21.61	0.00	0.32	11.42	
18-05-22 3:00	14.41	454 248.80	22.38	0.00	0.32	10.58	
18-05-22 4:00	14.44	452 692.80	22.27	0.02	13.65	11.64	
18-05-22 5:00	14.45	444 705.60	22.87	0.03	3.80	10.73	
18-05-22 6:00	14.46	445 189.20	22.73	0.01	2.96	10.44	
18-05-22 7:00	14.47	453 617.30	21.99	0.03	2.41	15.22	
18-05-22 8:00	14.27	530 955.30	27.98	0.02	0.31	27.50	
18-05-22 9:00	14.27	523 545.20	38.96	0.00	0.31	25.69	
18-05-22 10:00	14.15	551 299.60	12.90	0.00	0.31	29.65	
18-05-22 11:00	14.07	552 134.10	11.30	0.00	0.31	17.74	
18-05-22 12:00	14.08	537 314.60	9.48	0.00	0.31	16.51	
18-05-22 13:00	13.97	561 003.10	14.54	0.04	0.30	22.92	
18-05-22 14:00	13.99	552 299.10	12.72	0.01	0.30	19.25	
18-05-22 15:00	14.01	548 988.10	11.60	0.00	0.30	16.68	
18-05-22 16:00	14.01	548 976.80	11.82	0.00	0.30	18.22	
18-05-22 17:00	14.05	521 143.90	35.88	0.00	0.31	22.45	
18-05-22 18:00	14.22	523 382.00	33.61	0.00	0.31	22.84	
18-05-22 19:00	14.24	523 937.50	24.05	0.01	0.31	22.24	
18-05-22 20:00	14.25	523 769.30	32.00	0.05	0.31	23.21	
18-05-22 21:00	14.25	522 685.80	38.07	0.06	0.31	25.07	
18-05-22 22:00	14.26	521 401.40	40.31	0.00	0.31	25.52	
18-05-22 23:00	14.30	506 415.40	34.62	0.17	3.26	32.40	
19-05-22 0:00	14.43	458 811.20	22.53	0.03	1.58	16.42	
19-05-22 1:00	14.42	458 495.50	23.49	0.00	2.41	11.38	
19-05-22 2:00	14.43	459 047.30	21.91	0.01	1.05	12.84	
19-05-22 3:00	14.44	452 988.70	23.22	0.02	1.67	12.60	
19-05-22 4:00	14.45	454 487.70	25.36	0.00	0.30	10.74	
19-05-22 5:00	14.49	446 338.30	22.45	0.00	5.90	15.60	
19-05-22 6:00	14.49	444 535.00	22.12	0.00	10.06	15.89	
19-05-22 7:00	14.46	452 118.30	25.17	0.04	1.56	15.31	
19-05-22 8:00	14.18	541 160.60	19.59	0.31	23.93	14.82	
19-05-22 9:00	14.13	550 837.10	13.23	0.00	0.31	15.79	
19-05-22 10:00	14.07	559 450.00	15.12	0.00	0.31	18.78	
19-05-22 11:00	14.01	562 578.90	17.27	0.00	0.30	22.07	
19-05-22 12:00	14.04	549 215.70	13.18	0.00	0.30	14.82	
19-05-22 13:00	14.02	554 381.20	15.49	0.00	0.30	18.71	
19-05-22 14:00	13.98	553 084.10	15.54	0.00	0.30	20.35	

19-05-22 15:00	13.99	551,337.70	14.24	0.00	0.30	16.75	
19-05-22 16:00	14.00	550,990.60	13.62	0.00	0.30	16.04	
19-05-22 17:00	14.20	515,529.90	34.62	0.00	0.31	12.94	
19-05-22 18:00	14.21	517,418.90	34.56	0.00	0.31	14.33	
19-05-22 19:00	14.26	516,027.20	37.61	0.00	0.31	15.81	
19-05-22 20:00	14.25	518,010.00	36.60	0.00	0.31	16.48	
19-05-22 21:00	14.24	519,882.30	36.38	0.00	0.31	16.22	
19-05-22 22:00	14.24	521,333.80	36.95	0.00	0.31	17.11	
19-05-22 23:00	14.29	507,042.40	32.89	0.00	2.24	23.99	
20-05-22 0:00	14.42	457,636.50	23.18	0.01	0.32	17.36	
20-05-22 1:00	14.40	457,443.10	23.60	0.00	0.55	12.00	
20-05-22 2:00	14.36	461,883.20	25.23	0.00	0.48	10.53	
20-05-22 3:00	14.39	454,911.80	23.75	0.00	2.11	11.98	
20-05-22 4:00	14.39	454,083.80	23.66	0.00	2.84	11.65	
20-05-22 5:00	14.40	451,813.90	24.02	0.00	3.00	11.47	
20-05-22 6:00	14.43	447,413.50	22.18	0.00	6.42	13.34	
20-05-22 7:00	14.44	450,019.10	20.90	0.06	2.16	19.34	
20-05-22 8:00	14.05	559,142.50	12.17	0.01	0.30	18.07	
20-05-22 9:00	14.04	554,972.90	13.73	0.00	0.30	16.59	
20-05-22 10:00	14.03	551,724.50	12.87	0.00	0.30	13.92	
20-05-22 11:00	14.01	551,337.70	11.92	0.00	0.30	14.46	
20-05-22 12:00	13.99	549,073.50	11.70	0.00	0.30	14.74	
20-05-22 13:00	13.98	553,829.40	11.44	0.00	0.30	14.16	
20-05-22 14:00	13.98	552,833.80	10.72	0.00	0.30	14.24	
20-05-22 15:00	13.96	553,357.20	11.07	0.00	0.30	14.05	
20-05-22 16:00	14.02	548,510.30	10.30	0.00	0.30	14.02	
20-05-22 17:00	14.09	531,515.80	16.78	0.00	0.31	15.16	
20-05-22 18:00	14.18	518,974.30	36.53	0.00	0.31	17.03	
20-05-22 19:00	14.19	522,414.80	33.66	0.00	0.31	17.27	
20-05-22 20:00	14.21	521,240.00	36.34	0.00	0.31	17.78	
20-05-22 21:00	14.22	521,863.50	35.52	0.00	0.31	18.00	
20-05-22 22:00	14.22	523,085.30	37.19	0.00	0.31	18.64	
20-05-22 23:00	14.26	507,538.40	32.89	0.01	2.11	22.79	
21-05-22 0:00	14.35	461,112.40	24.10	0.00	0.32	11.45	
21-05-22 1:00	14.34	459,860.80	23.76	0.00	0.41	9.73	
21-05-22 2:00	14.34	460,665.80	24.30	0.00	0.32	9.48	
21-05-22 3:00	14.35	454,848.90	24.86	0.00	1.07	9.78	
21-05-22 4:00	14.40	446,736.60	22.42	0.00	2.23	11.80	
21-05-22 5:00	14.40	442,225.30	24.77	0.00	5.92	9.98	
21-05-22 6:00	14.39	447,316.80	25.77	0.00	1.51	9.51	
21-05-22 7:00	14.42	454,430.80	22.74	0.04	1.99	16.58	
21-05-22 8:00	14.11	543,509.30	13.71	0.03	0.46	18.77	
21-05-22 9:00	14.05	548,635.40	13.60	0.00	0.30	13.21	
21-05-22 10:00	14.02	549,318.10	14.32	0.00	0.30	13.50	
21-05-22 11:00	13.99	554,881.80	15.36	0.00	0.30	15.66	
21-05-22 12:00	14.06	535,135.70	10.87	0.00	0.30	11.86	Shutdown
21-05-22 13:00	13.98	554,324.30	14.10	0.00	0.30	13.28	Shutdown
21-05-22 14:00	13.98	552,384.40	13.33	0.00	0.30	13.20	Shutdown
21-05-22 15:00	14.01	540,735.30	16.18	0.00	0.30	13.82	Shutdown
21-05-22 16:00	14.17	518,691.60	40.50	0.00	0.31	18.36	Shutdown
21-05-22 17:00	14.24	488,635.20	31.92	0.00	0.31	12.92	Shutdown
21-05-22 18:00	14.26	484,007.30	31.29	0.00	0.31	12.95	Shutdown
21-05-22 19:00	14.24	495,530.20	32.33	0.00	0.31	11.60	Shutdown
21-05-22 20:00	14.23	517,851.30	34.78	0.00	0.31	16.19	Shutdown
21-05-22 21:00	14.24	524,831.90	36.19	0.00	0.31	20.95	Shutdown
21-05-22 22:00	14.21	525,467.60	33.24	0.00	0.30	20.12	Shutdown
21-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22-05-22 18:00	14.35	476,447.00	27.71	0.74	3.47	30.78	Shutdown
22-05-22 19:00	14.26	482,471.30	27.43	0.00	0.31	9.75	Shutdown
22-05-22 20:00	14.28	478,474.90	26.09	0.00	0.31	9.66	Shutdown
22-05-22 21:00	14.29	485,614.40	26.22	0.00	0.32	10.09	Shutdown
22-05-22 22:00	14.31	498,679.00	25.95	0.00	0.32	11.31	Shutdown
22-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23-05-22 8:00	14.14	542,320.10	11.86	0.54	1.94	27.01	Shutdown
23-05-22 9:00	14.00	559,791.40	13.81	0.00	0.30	15.99	Shutdown

23-05-22 10:00	13.99	555,325.60	13.26	0.00	0.30	15.63	
23-05-22 11:00	13.98	549,830.10	12.35	0.00	0.30	14.77	
23-05-22 12:00	13.98	543,896.60	13.22	0.00	0.30	13.95	
23-05-22 13:00	13.94	552,993.10	13.49	0.00	0.30	17.63	
23-05-22 14:00	13.92	554,106.10	14.01	0.00	0.30	20.36	
23-05-22 15:00	13.91	554,330.00	14.21	0.00	0.30	20.30	
23-05-22 16:00	13.96	550,381.90	13.77	0.00	0.30	16.87	
23-05-22 17:00	13.97	551,252.30	13.74	0.00	0.30	16.37	
23-05-22 18:00	14.05	537,058.60	11.83	0.00	0.30	13.15	
23-05-22 19:00	14.05	544,767.00	12.31	0.00	0.30	13.03	
23-05-22 20:00	14.04	555,063.90	15.30	0.00	0.30	14.75	
23-05-22 21:00	14.07	552,811.10	13.05	0.00	0.31	14.13	
23-05-22 22:00	14.11	546,507.80	11.27	0.00	0.31	14.65	
23-05-22 23:00	14.24	514,628.10	11.89	0.06	4.34	26.97	
24-05-22 0:00	14.47	440,564.10	19.27	0.08	18.10	30.57	
24-05-22 1:00	14.41	428,475.20	24.38	0.00	17.97	9.04	
24-05-22 2:00	14.43	428,580.50	23.34	0.00	19.02	9.16	
24-05-22 3:00	14.45	426,384.60	21.98	0.00	20.98	9.33	
24-05-22 4:00	14.45	426,088.80	22.54	0.00	23.12	9.01	
24-05-22 5:00	14.47	431,231.50	22.43	0.00	20.72	11.57	
24-05-22 6:00	14.46	446,546.00	24.56	0.00	3.59	10.96	
24-05-22 7:00	14.47	460,549.20	22.26	0.05	1.73	20.37	
24-05-22 8:00	14.10	558,943.40	16.66	0.01	0.31	18.88	
24-05-22 9:00	14.07	558,005.10	16.02	0.00	0.31	18.15	
24-05-22 10:00	14.07	552,086.60	14.79	0.00	0.31	15.53	
24-05-22 11:00	13.96	553,778.20	16.14	0.00	0.30	15.78	
24-05-22 12:00	13.90	543,743.00	15.21	0.92	0.30	13.08	
24-05-22 13:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
24-05-22 14:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
24-05-22 15:00	14.19	553,683.80	20.42	0.00	0.31	15.28	
24-05-22 16:00	14.37	553,488.10	17.33	0.00	0.31	16.49	
24-05-22 17:00	14.33	531,031.90	34.08	0.00	0.32	18.20	
24-05-22 18:00	14.37	526,112.20	39.78	0.00	0.32	17.35	
24-05-22 19:00	14.39	523,353.50	46.77	0.00	0.32	19.97	
24-05-22 20:00	14.36	535,931.40	28.44	0.00	0.32	20.27	
24-05-22 21:00	14.35	540,388.80	20.22	0.00	0.32	21.19	
24-05-22 22:00	14.34	541,737.60	14.93	0.00	0.32	21.94	
24-05-22 23:00	14.42	514,669.40	29.12	0.00	3.33	28.91	
25-05-22 0:00	14.58	453,145.10	28.82	0.00	0.33	18.68	
25-05-22 1:00	14.57	449,581.00	31.58	0.00	1.54	10.56	
25-05-22 2:00	14.56	452,798.10	32.55	0.00	0.74	9.74	
25-05-22 3:00	14.59	452,562.00	30.53	0.00	0.72	10.66	
25-05-22 4:00	14.58	452,957.40	31.09	0.00	1.09	10.52	
25-05-22 5:00	14.58	447,874.30	32.95	0.00	0.33	9.70	
25-05-22 6:00	14.61	448,320.80	31.08	0.00	2.47	10.28	
25-05-22 7:00	14.59	452,701.40	28.31	0.00	5.50	12.58	
25-05-22 8:00	14.21	559,062.90	19.33	0.00	0.31	16.98	
25-05-22 9:00	14.15	561,003.10	19.31	0.00	0.31	17.77	
25-05-22 10:00	14.17	551,633.50	16.92	0.00	0.31	12.82	
25-05-22 11:00	14.13	551,600.60	15.70	0.00	0.31	13.20	
25-05-22 12:00	14.12	549,130.40	17.07	0.44	0.31	14.44	
25-05-22 13:00	14.06	557,003.80	17.02	0.37	0.30	17.37	
25-05-22 14:00	14.07	557,350.80	18.12	0.49	0.31	17.97	
25-05-22 15:00	14.07	555,951.40	18.12	0.50	0.31	17.89	
25-05-22 16:00	14.10	549,966.60	17.12	0.54	0.31	15.02	
25-05-22 17:00	14.12	550,262.40	16.99	0.49	0.31	14.00	
25-05-22 18:00	14.21	535,784.30	14.38	0.45	0.31	12.19	
25-05-22 19:00	14.24	540,090.80	14.72	0.39	0.31	12.36	
25-05-22 20:00	14.24	549,170.20	15.54	0.33	0.31	13.20	
25-05-22 21:00	14.28	546,382.60	14.81	0.26	0.31	13.66	
25-05-22 22:00	14.31	542,084.60	14.06	0.20	0.32	14.28	
25-05-22 23:00	14.42	517,104.80	21.33	0.33	1.58	23.44	
26-05-22 0:00	14.57	460,944.60	29.82	0.28	0.38	15.45	
26-05-22 1:00	14.56	455,998.10	31.97	0.23	0.70	11.25	
26-05-22 2:00	14.57	456,877.00	30.78	0.22	1.55	11.58	
26-05-22 3:00	14.60	454,379.60	28.94	0.26	0.74	11.98	
26-05-22 4:00	14.59	451,350.30	28.09	0.28	1.33	11.92	
26-05-22 5:00	14.62	444,426.90	25.59	0.34	4.71	13.15	
26-05-22 6:00	14.59	451,156.80	29.25	0.29	3.70	10.21	
26-05-22 7:00	14.56	458,081.80	27.15	0.37	0.31	15.39	
26-05-22 8:00	14.17	555,592.70	19.77	0.49	0.31	15.84	
26-05-22 9:00	14.17	551,917.90	19.84	0.48	0.31	14.39	
26-05-22 10:00	14.16	552,321.80	19.65	0.48	0.31	16.09	
26-05-22 11:00	14.14	552,600.60	19.26	0.49	0.31	17.13	
26-05-22 12:00	14.11	548,072.30	19.21	0.51	0.31	15.57	
26-05-22 13:00	14.08	553,254.80	19.15	0.48	0.31	17.59	
26-05-22 14:00	14.07	554,927.40	20.45	0.59	0.31	19.61	
26-05-22 15:00	14.07	554,318.60	20.29	0.55	0.31	19.60	
26-05-22 16:00	14.08	551,735.90	19.71	0.55	0.31	18.55	
26-05-22 17:00	14.14	538,071.20	16.51	0.31	0.31	13.21	
26-05-22 18:00	14.17	536,643.30	16.03	0.50	0.31	13.01	
26-05-22 19:00	14.17	544,516.70	18.02	0.51	0.31	13.19	
26-05-22 20:00	14.17	551,297.80	17.85	0.50	0.31	13.92	
26-05-22 21:00	14.22	547,327.00	16.96	0.45	0.31	14.19	
26-05-22 22:00	14.26	543,009.10	14.66	0.39	0.31	13.98	
26-05-22 23:00	14.41	507,129.30	30.97	0.42	2.57	22.07	
27-05-22 0:00	14.55	456,569.80	30.00	0.37	0.56	11.93	
27-05-22 1:00	14.54	456,114.70	30.12	0.39	1.16	10.38	
27-05-22 2:00	14.56	457,013.50	29.23	0.37	0.33	9.57	
27-05-22 3:00	14.56	455,053.70	26.98	0.34	0.57	10.58	
27-05-22 4:00	14.60	449,905.30	26.56	0.34	3.49	15.45	

27-05-22 5:00	14.58	456,461.70	27.73	0.31	0.84	12.50
27-05-22 6:00	14.59	456,208.60	28.12	0.43	2.92	12.83
27-05-22 7:00	14.59	451,319.00	26.75	0.36	1.89	14.20
27-05-22 8:00	14.17	557,916.30	19.12	0.44	0.31	18.06
27-05-22 9:00	14.14	554,347.10	19.40	0.47	0.31	17.28
27-05-22 10:00	14.12	552,594.90	19.11	0.51	0.31	17.23
27-05-22 11:00	14.09	552,282.00	19.18	0.53	0.31	20.16
27-05-22 12:00	14.12	541,763.30	19.29	0.51	0.31	14.65
27-05-22 13:00	14.06	554,256.10	22.20	0.55	0.30	21.27
27-05-22 14:00	14.05	553,937.50	21.21	0.59	0.30	22.11
27-05-22 15:00	14.05	552,902.10	22.22	0.59	0.30	23.16
27-05-22 16:00	14.10	544,715.80	19.96	0.55	0.31	16.68
27-05-22 17:00	14.22	527,136.10	23.34	0.49	0.31	14.72
27-05-22 18:00	14.33	515,973.50	45.92	0.42	0.32	14.09
27-05-22 19:00	14.39	516,280.40	47.02	0.31	0.32	16.09
27-05-22 20:00	14.41	518,459.60	47.21	0.24	0.32	15.75
27-05-22 21:00	14.41	520,180.70	47.69	0.18	0.32	15.11
27-05-22 22:00	14.41	520,977.90	48.18	0.15	0.32	14.83
27-05-22 23:00	14.45	508,565.70	41.52	0.29	1.83	23.99
28-05-22 0:00	14.59	452,556.30	30.13	0.20	1.45	13.50
28-05-22 1:00	14.57	452,544.90	30.90	0.22	0.61	11.19
28-05-22 2:00	14.56	451,520.90	31.83	0.29	3.38	10.95
28-05-22 3:00	14.57	448,670.80	31.90	0.36	1.08	9.81
28-05-22 4:00	14.61	440,436.10	28.79	0.32	9.45	12.41
28-05-22 5:00	14.66	433,990.60	25.45	0.34	19.07	15.20
28-05-22 6:00	14.68	421,842.00	25.87	0.30	20.27	13.84
28-05-22 7:00	14.69	423,895.70	25.62	0.40	19.69	18.58
28-05-22 8:00	14.43	520,221.10	41.12	0.33	0.57	15.55
28-05-22 9:00	14.39	513,686.30	43.54	0.37	0.32	10.87
28-05-22 10:00	14.34	517,355.20	38.14	0.45	0.32	11.46
28-05-22 11:00	14.32	514,951.00	38.35	0.49	0.32	11.32
28-05-22 12:00	14.35	506,342.20	41.45	0.50	0.32	10.41
28-05-22 13:00	14.23	524,825.90	30.42	0.50	0.31	11.79
28-05-22 14:00	14.22	524,682.90	29.80	0.50	0.31	12.13
28-05-22 15:00	14.23	521,859.40	31.10	0.49	0.31	12.44
28-05-22 16:00	14.26	518,021.00	32.31	0.49	0.31	12.43
28-05-22 17:00	14.33	503,776.20	42.09	0.50	0.32	10.66
28-05-22 18:00	14.35	507,087.20	41.31	0.46	0.32	11.14
28-05-22 19:00	14.38	509,815.00	39.98	0.47	0.32	13.70
28-05-22 20:00	14.39	514,021.90	40.70	0.42	0.32	16.40
28-05-22 21:00	14.45	514,519.70	40.27	0.31	0.32	19.58
28-05-22 22:00	14.47	516,371.40	41.13	0.23	0.32	20.42
28-05-22 23:00	14.34	543,612.80	32.80	0.27	0.32	26.55
29-05-22 0:00	14.18	565,275.40	22.87	0.32	0.31	32.36
29-05-22 1:00	14.18	568,757.10	24.34	0.34	0.31	34.25
29-05-22 2:00	14.19	569,018.80	24.18	0.35	0.31	34.04
29-05-22 3:00	14.20	569,331.60	24.12	0.39	0.31	35.21
29-05-22 4:00	14.19	571,891.60	24.51	0.43	0.31	34.46
29-05-22 5:00	14.20	570,742.40	24.56	0.45	0.31	34.80
29-05-22 6:00	14.21	572,039.50	24.97	0.43	0.31	35.01
29-05-22 7:00	14.22	566,686.30	24.69	0.43	0.31	34.67
29-05-22 8:00	14.19	558,303.90	25.99	0.57	0.31	31.22
29-05-22 9:00	14.17	555,069.60	25.12	0.59	0.31	28.61
29-05-22 10:00	14.14	550,916.70	24.16	0.64	0.31	28.14
29-05-22 11:00	14.12	548,453.40	23.62	0.60	0.31	28.56
29-05-22 12:00	14.12	546,177.80	23.43	0.67	0.31	29.80
29-05-22 13:00	14.10	544,594.50	23.28	0.63	0.31	28.04
29-05-22 14:00	14.10	542,895.40	22.66	0.62	0.31	27.91
29-05-22 15:00	14.09	543,185.50	23.34	0.64	0.31	28.22
29-05-22 16:00	14.09	548,538.80	23.19	0.62	0.31	29.94
29-05-22 17:00	14.12	550,620.80	22.73	0.62	0.31	27.78
29-05-22 18:00	14.35	495,262.00	33.18	0.48	0.32	16.65
29-05-22 19:00	14.47	455,341.00	34.75	0.40	0.32	7.59
29-05-22 20:00	14.47	476,543.50	33.48	0.37	0.32	7.68
29-05-22 21:00	14.50	477,587.40	33.81	0.30	0.33	7.83
29-05-22 22:00	14.51	477,837.70	33.99	0.31	0.33	7.88
29-05-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30-05-22 8:00	14.31	548,543.80	16.83	1.28	1.33	37.30
30-05-22 9:00	14.23	550,279.50	16.53	0.47	0.31	17.29
30-05-22 10:00	14.21	552,213.80	17.84	0.49	0.31	18.75
30-05-22 11:00	14.20	552,139.80	19.17	0.50	0.31	19.23
30-05-22 12:00	14.20	550,643.60	20.70	0.50	0.31	20.38
30-05-22 13:00	14.16	555,809.10	22.12	0.56	0.31	22.74
30-05-22 14:00	14.13	555,945.70	22.80	0.58	0.31	24.81
30-05-22 15:00	14.10	556,946.90	22.49	0.70	0.31	24.84
30-05-22 16:00	14.09	554,517.80	21.14	0.88	0.31	22.20
30-05-22 17:00	14.12	543,253.80	18.19	0.73	0.31	14.99
30-05-22 18:00	14.19	534,509.90	17.07	0.82	0.31	14.29
30-05-22 19:00	14.22	539,817.70	17.54	0.76	0.31	14.63
30-05-22 20:00	14.24	542,884.00	17.35	0.63	0.31	15.14
30-05-22 21:00	14.28	542,275.30	17.42	0.55	0.32	15.70
30-05-22 22:00	14.31	540,517.40	17.18	0.47	0.32	16.11
30-05-22 23:00	14.44	509,199.80	36.75	0.63	1.95	25.90

31-05-22 0:00	14.58	459,818.20	30.31	0.47	0.64	14.79	
31-05-22 1:00	14.59	453,583.20	29.42	0.44	1.33	12.44	
31-05-22 2:00	14.58	453,651.40	29.85	0.45	1.54	11.60	
31-05-22 3:00	14.62	450,602.20	28.17	0.51	6.17	15.79	
31-05-22 4:00	14.62	449,472.90	26.72	0.51	4.87	14.32	
31-05-22 5:00	14.63	448,727.70	27.17	0.52	5.92	13.72	
31-05-22 6:00	14.60	460,813.70	29.29	0.49	0.64	11.86	
31-05-22 7:00	14.66	458,134.30	24.56	0.65	1.28	24.39	
31-05-22 8:00	14.29	550,353.10	19.32	0.56	0.32	19.44	
31-05-22 9:00	14.19	559,808.40	21.56	0.67	0.31	18.13	
31-05-22 10:00	14.19	555,740.90	20.92	0.78	0.31	18.44	
31-05-22 11:00	14.20	549,687.90	19.84	0.85	0.31	16.67	
31-05-22 12:00	14.18	545,529.30	19.66	0.84	0.31	16.28	
31-05-22 13:00	14.14	548,390.80	19.41	0.83	0.31	15.56	
31-05-22 14:00	14.12	548,842.60	19.74	0.88	0.31	17.28	
31-05-22 15:00	14.08	557,458.90	20.49	0.91	0.31	18.98	
31-05-22 16:00	14.13	549,113.30	19.44	0.89	0.31	17.68	
31-05-22 17:00	14.24	530,649.30	21.54	0.85	0.31	15.45	
31-05-22 18:00	14.28	535,448.60	19.76	0.78	0.31	15.95	
31-05-22 19:00	14.34	532,336.80	18.72	0.66	0.32	17.38	
31-05-22 20:00	14.30	537,288.50	21.43	0.56	0.32	19.08	
31-05-22 21:00	14.42	525,147.90	46.02	0.59	0.32	25.44	
31-05-22 22:00	14.45	524,074.40	51.80	0.58	0.32	27.93	
31-05-22 23:00	14.51	508,937.00	43.80	0.75	3.15	37.12	
Maximum		421,842.00	9.48	0.30	7.59		
Maximum	14.69	572,039.50	51.80	1.78	23.12	143.04	
Avg	14.28	509,402.76	25.56	0.18	1.19	19.60	
SUM							
STD			STD = 60.120	STD = 6.20	STD = 28.60	STD = 690	

Site Name: GULF_NRV1
Stack Name: HRSG_STACK2
Periodically: 01/06/2021 00:00-30/06/2021 23:59

Date & Time	O2	FLOW @ 1 ATM 25C m3/hr	Emission Concentration for Standardization Comparison				Remark
			HRSG1_NOx @ 7%O2 ppm	HRSG1_SOx @ 7%O2 ppm	HRSG1_Dust (7%O2) mg/m3	HRSG1_CO @ 7%O2 ppm	
01-06-22 0:00	14.64	457866.9	30.57	0.53	1.73	14.51	
01-06-22 1:00	14.64	454075.2	29.95	0.53	2.52	12.05	
01-06-22 2:00	14.64	451222	30.08	0.53	1.46	11.32	
01-06-22 3:00	14.66	450619.2	28.58	0.6	2.72	13.02	
01-06-22 4:00	14.66	454260.1	28.82	0.58	4.94	12.77	
01-06-22 5:00	14.65	450235.2	28.76	0.54	1.38	10.31	
01-06-22 6:00	14.69	446007.2	28.42	0.59	7.67	14.87	
01-06-22 7:00	14.67	450963.4	27.77	0.54	1.91	12.09	
01-06-22 8:00	14.59	471579.9	29.81	0.6	0.33	10.96	
01-06-22 9:00	14.55	481430.3	31.27	0.72	0.33	10.18	
01-06-22 10:00	14.27	550845.3	18.18	0.75	0.31	16.13	
01-06-22 11:00	14.26	548055.2	17.87	0.77	0.31	14.43	
01-06-22 12:00	14.24	548487.5	18.48	0.82	0.31	16.38	
01-06-22 13:00	14.22	550632.3	19	0.89	0.31	17.59	
01-06-22 14:00	14.18	552748.5	19.44	0.89	0.31	20.76	
01-06-22 15:00	14.19	555991.2	19.78	0.8	0.31	15.3	
01-06-22 16:00	14.24	547389.6	17.12	0.69	0.31	17.77	
01-06-22 17:00	14.39	518471.1	44.5	0.61	0.32	17.28	
01-06-22 18:00	14.37	518962.9	44.79	0.6	0.32	17.9	
01-06-22 19:00	14.39	521464.6	45.65	0.58	0.32	17.98	
01-06-22 20:00	14.36	532563.9	32.33	0.5	0.32	17.92	
01-06-22 21:00	14.37	533761.9	32.42	0.5	0.32	19.61	
01-06-22 22:00	15.27	448890.1	16.16	0.5	9.26	154.23	
01-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
02-06-22 9:00	18.93	173359.8	13.88	0.5	15.93	214.41	
02-06-22 10:00	14.32	545244.1	14.43	2.57	2.11	53.74	
02-06-22 11:00	14.22	554756.7	15.2	0.96	0.31	26.63	
02-06-22 12:00	14.23	545381.4	14.94	0.9	0.31	16.71	
02-06-22 13:00	14.19	556161.8	16.72	0.98	0.31	24.25	
02-06-22 14:00	14.16	556713.7	17.29	1.01	0.31	25.17	
02-06-22 15:00	14.16	556258.6	17.91	1.02	0.31	24.29	
02-06-22 16:00	14.21	547048.3	16.82	0.99	0.31	18.69	
02-06-22 17:00	14.22	538429.6	16.19	0.95	0.31	14.07	
02-06-22 18:00	14.26	529432.5	13.87	0.95	0.31	13.71	
02-06-22 19:00	14.27	534760.3	14.39	0.86	0.31	13.1	
02-06-22 20:00	14.29	537997.2	14.5	0.78	0.32	14.13	
02-06-22 21:00	14.33	537786.8	14.53	0.64	0.32	16.34	
02-06-22 22:00	15.3	447396.3	15.32	0.5	6.69	135.72	
02-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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03-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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03-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 18:00	15.54	397193.3	36.55	0.5	18.11	156.96	
03-06-22 19:00	14.49	510537.5	39.35	0.59	0.33	15.94	
03-06-22 20:00	14.49	517281.8	42.58	0.52	0.33	15.76	
03-06-22 21:00	14.6	501677.1	39.17	0.79	2.4	27.54	
03-06-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
03-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
04-06-22 9:00	18.98	172093.2	20.3	0.5	16.21	112.46	
04-06-22 10:00	14.57	500053.2	35.21	1.17	1.95	30.48	

04-06-22 11:00	14.51	504333.7	36.53	0.73	0.33	18.04	
04-06-22 12:00	14.49	505127.3	37.73	0.73	0.33	15.54	
04-06-22 13:00	14.48	506415.8	37.49	0.8	0.32	17.53	
04-06-22 14:00	14.46	505980.7	38.63	0.76	0.32	15.6	
04-06-22 15:00	14.47	504083.4	36.3	0.85	0.32	21.98	
04-06-22 16:00	14.51	493072.6	39.55	0.74	0.33	16.54	
04-06-22 17:00	14.54	489815.7	38.87	0.55	0.33	15.29	
04-06-22 18:00	14.57	491081.5	38.29	0.48	0.33	17.76	
04-06-22 19:00	14.57	488080.6	40.6	0.44	0.33	14.19	
04-06-22 20:00	14.57	496872.8	40.02	0.4	0.33	14.1	
04-06-22 21:00	14.57	489993.3	40.12	0.44	0.33	14.1	
04-06-22 22:00	15.8	386819.2	26.44	0.5	22.35	153.89	
04-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
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05-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 18:00	15.9	363629.4	36.1	0.5	21.23	149.63	
05-06-22 19:00	14.5	483964.7	37.28	0.64	0.33	13.65	
05-06-22 20:00	14.52	486701	37.95	0.54	0.33	13.67	
05-06-22 21:00	14.6	478093.7	34.83	0.88	0.3	25.02	
05-06-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
05-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	
06-06-22 7:00	19.95	121336.6	13.13	0.5	11.31	77.13	
06-06-22 8:00	15.03	446851.2	26.83	3.7	11.9	171.35	
06-06-22 9:00	14.58	481808.6	35.7	0.67	0.33	16.23	
06-06-22 10:00	14.25	549721.8	24.33	0.74	0.31	21.42	
06-06-22 11:00	14.23	547298.8	24.62	0.78	0.31	21.48	
06-06-22 12:00	14.23	536319	23.17	0.85	0.31	16.16	
06-06-22 13:00	14.17	550433.1	26.36	0.88	0.31	25.12	
06-06-22 14:00	14.16	550501.4	26.44	0.92	0.31	26.05	
06-06-22 15:00	14.16	548567.2	25.99	0.93	0.31	26.9	
06-06-22 16:00	14.17	547446.4	25.3	0.92	0.31	26.98	
06-06-22 17:00	14.22	537577.8	23.17	0.85	0.31	17.74	
06-06-22 18:00	14.24	538657.1	22.54	0.82	0.31	17.73	
06-06-22 19:00	14.29	538293.1	21.81	0.84	0.32	16.14	
06-06-22 20:00	14.33	543361.8	22.75	0.71	0.32	16.69	
06-06-22 21:00	14.36	543532.5	22.66	0.64	0.32	16.91	
06-06-22 22:00	14.46	522088.9	24.34	0.7	2.05	24.74	
06-06-22 23:00	14.68	451580.7	34.77	0.6	0.53	13.05	
07-06-22 0:00	14.66	453768	35.65	0.48	0.99	10.72	
07-06-22 1:00	14.67	451165.4	34.73	0.48	0.85	11.37	
07-06-22 2:00	14.68	450198.3	34.08	0.49	1.94	11.94	
07-06-22 3:00	14.7	449843.6	33.91	0.5	11.5	12.04	
07-06-22 4:00	14.69	451580.7	35.03	0.5	1.02	10.99	
07-06-22 5:00	14.76	443405.7	31.17	0.6	6.07	16.55	
07-06-22 6:00	14.76	443385.8	31.47	0.62	6.13	15.96	
07-06-22 7:00	14.72	451501	33.81	0.5	0.72	12.48	
07-06-22 8:00	14.64	481162	36.87	0.67	0.87	16.87	
07-06-22 9:00	14.64	478691.1	32.3	0.77	0.33	24.41	
07-06-22 10:00	14.27	551490.9	26.11	0.72	0.31	20.31	
07-06-22 11:00	14.23	548578.6	25.57	0.77	0.31	20.9	
07-06-22 12:00	14.25	538412.5	24.24	0.83	0.31	15.13	
07-06-22 13:00	14.18	550285.2	26.69	0.88	0.31	22.84	
07-06-22 14:00	14.18	550290.9	26.74	0.89	0.31	23.24	
07-06-22 15:00	14.18	549591.2	26.54	0.91	0.31	23.99	
07-06-22 16:00	14.2	547082.4	26.13	0.91	0.31	22.82	
07-06-22 17:00	14.29	529621.3	29.14	0.84	0.32	15	
07-06-22 18:00	14.34	529329.1	24.37	0.8	0.32	13.22	
07-06-22 19:00	14.36	537228.2	22.64	0.73	0.32	13.67	
07-06-22 20:00	14.38	544602	23.84	0.62	0.32	14.25	
07-06-22 21:00	14.43	541393.5	22.69	0.53	0.32	15.18	
07-06-22 22:00	14.51	519298.9	21.97	0.62	1.84	23.53	
07-06-22 23:00	14.7	453981.4	38.15	0.4	10.78	0.5	
08-06-22 0:00	14.71	455261.4	36.73	0.49	0.42	10.34	
08-06-22 1:00	14.73	452112.6	35.08	0.48	0.78	11.87	
08-06-22 2:00	14.73	452943.2	35	0.5	0.89	12.01	
08-06-22 3:00	14.75	446390.4	33.14	0.53	0.61	13.96	
08-06-22 4:00	14.75	450767.2	33.67	0.49	0.59	12.92	
08-06-22 5:00	14.75	449800	32.6	0.48	0.98	15.12	

08-06-22 6:00	14.72	456712	35.97	0.45	0.49	10.13	
08-06-22 7:00	14.72	456865.6	36.26	0.53	0.42	9.81	
08-06-22 8:00	14.67	473317.9	38.35	0.45	0.33	9.56	
08-06-22 9:00	14.62	469389.7	37.13	0.61	0.33	12.97	
08-06-22 10:00	14.25	550188.1	26.41	0.75	0.31	20.88	
08-06-22 11:00	14.23	547878.8	25.9	0.82	0.31	19.55	
08-06-22 12:00	14.24	548402.2	25.93	0.82	0.31	17.7	
08-06-22 13:00	14.22	549454.6	25.86	0.86	0.31	19.96	
08-06-22 14:00	14.2	550603.8	26.25	0.91	0.31	21.92	
08-06-22 15:00	14.19	550871.2	25.77	0.93	0.31	22.14	
08-06-22 16:00	14.21	546382.6	24.37	0.92	0.31	20.59	
08-06-22 17:00	14.23	542042	24.17	0.91	0.31	18.06	
08-06-22 18:00	14.27	537303.2	23.27	0.88	0.31	14.8	
08-06-22 19:00	14.31	538304.4	23.03	0.82	0.32	14.07	
08-06-22 20:00	14.33	543640.6	22.92	0.72	0.32	14.57	
08-06-22 21:00	14.38	538560.4	22.16	0.63	0.32	15.19	
08-06-22 22:00	14.5	515085.5	24.82	0.72	1.64	25.12	
08-06-22 23:00	14.7	451350.3	34.06	0.6	0.98	15.52	
09-06-22 0:00	14.68	453520.6	35.48	0.54	0.53	11.72	
09-06-22 1:00	14.68	452064.2	35.23	0.56	0.42	11.95	
09-06-22 2:00	14.68	452866.3	35.13	0.54	0.57	11.4	
09-06-22 3:00	14.7	445869	34.92	0.51	0.78	11.52	
09-06-22 4:00	14.71	439651.1	35.68	0.51	2.36	11.17	
09-06-22 5:00	14.71	441713.3	36.84	0.51	1.58	9.71	
09-06-22 6:00	14.73	443198.1	35.54	0.5	0.67	10.71	
09-06-22 7:00	14.77	446577.3	30.77	0.56	6.18	15.86	
09-06-22 8:00	14.67	473070.4	36.08	0.58	0.33	10.17	
09-06-22 9:00	14.63	477621.5	37.33	0.64	0.33	10.46	
09-06-22 10:00	14.34	549133	24.96	0.67	0.32	16.35	
09-06-22 11:00	14.3	546485.1	23.5	0.75	0.32	15.06	
09-06-22 12:00	14.34	544602	23.87	0.84	0.31	17.25	
09-06-22 13:00	14.18	548919.9	25.89	0.96	0.31	22.73	
09-06-22 14:00	14.17	547719.5	25.87	1.01	0.31	23.57	
09-06-22 15:00	14.17	549130.4	25.71	1.01	0.31	23.36	
09-06-22 16:00	14.19	546911.7	25.09	1.01	0.31	22.15	
09-06-22 17:00	14.32	519913.7	35.31	1	0.32	16.43	
09-06-22 18:00	14.25	538651.2	22.09	0.95	0.31	15.03	
09-06-22 19:00	14.28	540648.3	21.58	0.89	0.32	14.01	
09-06-22 20:00	14.34	540363.8	21.49	0.86	0.32	14.58	
09-06-22 21:00	14.38	540403.6	21.88	0.77	0.32	14.58	
09-06-22 22:00	14.34	549081.4	27.78	0.71	0.32	18.13	
09-06-22 23:00	14.25	558118.8	27.41	0.73	0.31	27.76	
10-06-22 0:00	14.25	558164.3	28.6	0.71	0.31	28.82	
10-06-22 1:00	14.25	559888.1	28.74	0.73	0.31	29.82	
10-06-22 2:00	14.27	560912.1	29.32	0.72	0.31	29.99	
10-06-22 3:00	14.27	561488	28.89	0.76	0.31	30.37	
10-06-22 4:00	14.27	563831.4	29.41	0.72	0.31	29.75	
10-06-22 5:00	14.29	563620	28.59	0.77	0.32	32.18	
10-06-22 6:00	14.31	564422.1	26.74	0.79	0.32	34.12	
10-06-22 7:00	14.27	556799	25.95	0.75	0.31	32.39	
10-06-22 8:00	14.24	551525.4	25.3	0.92	0.31	29.43	
10-06-22 9:00	14.24	546724	23.36	1.01	0.31	30.08	
10-06-22 10:00	14.22	547255.9	24.07	0.99	0.31	27.03	
10-06-22 11:00	14.2	546809.3	24.31	1.05	0.31	26.56	
10-06-22 12:00	14.23	538634.4	23.53	1.03	0.31	19.79	
10-06-22 13:00	14.19	546208.3	25.56	1.08	0.31	24.49	
10-06-22 14:00	14.18	543549.6	24.53	1.11	0.31	25.54	
10-06-22 15:00	14.18	542565.4	25.38	1.14	0.31	25.46	
10-06-22 16:00	14.18	543652	25.18	1.13	0.31	24.95	
10-06-22 17:00	14.23	535164.1	23.77	1.08	0.31	16.49	
10-06-22 18:00	14.25	534697.7	22.88	1.04	0.31	13.48	
10-06-22 19:00	14.25	542116	22.49	1	0.31	13.89	
10-06-22 20:00	14.24	550171.4	24.92	1	0.31	18.32	
10-06-22 21:00	14.31	546012.9	23.04	0.9	0.32	15.17	
10-06-22 22:00	14.45	522200.1	22.88	0.99	1.72	25.78	
10-06-22 23:00	14.61	446985.6	37.84	0.83	1.37	12.76	
11-06-22 0:00	14.69	450292.1	36.28	0.71	1.45	11.6	
11-06-22 1:00	14.72	448483.1	35.25	0.7	1.1	12.8	
11-06-22 2:00	14.71	447498.3	35.19	0.64	1.29	12.97	
11-06-22 3:00	14.72	447399.2	34.81	0.61	1.01	12.77	
11-06-22 4:00	14.72	444799.5	35.58	0.58	2.08	12.03	
11-06-22 5:00	14.78	438917.2	31.25	0.64	5.59	18.14	
11-06-22 6:00	14.75	449492.8	34.29	0.57	0.92	12.02	
11-06-22 7:00	14.73	449313.6	33.98	0.63	2.04	12.88	
11-06-22 8:00	14.63	467860.9	38.84	0.77	0.31	8.13	
11-06-22 9:00	14.61	490950.6	33.75	1.14	0.33	36.13	
11-06-22 10:00	14.31	544263.2	23.91	0.87	0.32	17.1	
11-06-22 11:00	14.28	543157.1	23.98	0.9	0.31	15.25	
11-06-22 12:00	14.3	537570.5	24.08	0.93	0.32	14.63	
11-06-22 13:00	14.28	544498.3	23.96	0.97	0.32	16.72	
11-06-22 14:00	14.24	544738.6	24.11	1.01	0.31	18.58	
11-06-22 15:00	14.26	541638.1	23.53	0.99	0.31	16.39	
11-06-22 16:00	14.28	535169.8	23.13	0.98	0.31	13.55	
11-06-22 17:00	14.32	526065.9	26.49	0.95	0.32	12.64	
11-06-22 18:00	14.39	518972.6	33.13	0.97	0.32	13.73	
11-06-22 19:00	14.4	526957.4	21.29	0.91	0.32	14.77	
11-06-22 20:00	14.43	530920.3	19.79	0.97	0.32	14.41	
11-06-22 21:00	14.47	530988.5	17.91	0.67	0.32	16.48	
11-06-22 22:00	14.51	428445.5	34.34	0.5	0.38	13.9	
11-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

12-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
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12-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 18:00	15.75	389186.4	35.19	0.5	24.58	166	
12-06-22 19:00	14.61	483990.3	41.25	0.58	0.33	13.08	
12-06-22 20:00	14.63	483990.3	41.24	0.54	0.33	12.96	
12-06-22 21:00	14.67	489050.1	35.32	0.75	1.88	27.24	
12-06-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
12-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
13-06-22 8:00	15.92	369823.1	27.71	0.5	23.5	181.62	
13-06-22 9:00	14.67	451108.5	30.17	0.96	0.33	20.37	
13-06-22 10:00	14.32	549496.9	22.63	0.87	0.32	18.01	
13-06-22 11:00	14.3	549170.2	22.03	0.9	0.32	16.36	
13-06-22 12:00	14.33	539180.5	21.98	0.94	0.32	14.2	
13-06-22 13:00	14.28	554295.9	23.56	1.01	0.31	20.37	
13-06-22 14:00	14.24	554859.1	22.33	1.03	0.31	19.83	
13-06-22 15:00	14.43	527787.1	41.39	0.87	0.32	22.3	
13-06-22 16:00	14.51	520181.3	50.55	0.71	0.33	20.25	
13-06-22 17:00	14.47	525602.1	38.01	0.65	0.32	17.38	
13-06-22 18:00	14.5	521309	39.71	0.65	0.33	20.21	
13-06-22 19:00	14.51	522406.8	42.01	0.62	0.33	18.09	
13-06-22 20:00	14.47	532618.8	29.95	0.55	0.32	19.29	
13-06-22 21:00	14.45	538349.8	20.15	0.62	0.32	21.54	
13-06-22 22:00	14.56	513564.4	18.71	0.84	4.19	36.79	
13-06-22 23:00	14.82	426575.2	24.96	0.65	19.96	24.35	
14-06-22 0:00	14.78	421216.2	28.48	0.51	22.11	11.02	
14-06-22 1:00	14.47	420394.2	28.16	0.52	23.43	11.42	
14-06-22 2:00	14.77	420581.9	27.84	0.56	19.6	11.12	
14-06-22 3:00	14.76	421062.6	28.01	0.56	19.6	11.14	
14-06-22 4:00	14.77	421796.5	28.38	0.64	18.6	10.97	
14-06-22 5:00	14.77	431316.8	30.22	0.59	10	10.16	
14-06-22 6:00	14.79	450590.8	29.22	0.56	1.76	13.66	
14-06-22 7:00	14.79	452951.7	31.44	0.52	0.78	11.59	
14-06-22 8:00	14.75	474139.9	33.17	0.63	0.49	12.84	
14-06-22 9:00	14.72	489332.1	35.26	0.81	0.34	18.99	
14-06-22 10:00	14.38	553937.3	22.38	0.78	0.32	17.11	
14-06-22 11:00	14.36	546576.1	21.91	0.8	0.32	14.66	
14-06-22 12:00	14.41	534489.9	20.1	0.86	0.32	14.32	
14-06-22 13:00	14.35	552720.1	23.41	0.9	0.32	17.42	
14-06-22 14:00	14.34	553152.4	23.8	0.95	0.32	19.3	
14-06-22 15:00	14.3	551957.8	23	0.92	0.32	16.36	
14-06-22 16:00	14.27	543606.4	21.74	0.89	0.31	13.37	
14-06-22 17:00	14.27	544317.6	22.01	0.89	0.31	13.42	
14-06-22 18:00	14.32	535829.8	19.32	0.9	0.32	15.04	
14-06-22 19:00	14.37	534333.6	17.5	0.87	0.32	17.08	
14-06-22 20:00	14.38	539464.9	19.1	0.76	0.32	16.45	
14-06-22 21:00	14.43	538980.9	20.62	0.69	0.32	17.11	
14-06-22 22:00	14.53	521295.6	20.04	0.62	1.6	28.27	
14-06-22 23:00	14.73	454911.5	33.66	0.65	0.34	14.3	
15-06-22 0:00	14.73	452874.9	31.5	0.64	2.61	14.02	
15-06-22 1:00	14.74	452243.4	31.31	0.65	1.13	13.09	
15-06-22 2:00	14.72	452038.6	33.78	0.62	0.41	10.09	
15-06-22 3:00	14.71	452874.9	22.61	0.65	15.13	12.13	
15-06-22 4:00	14.77	452132.5	31.6	0.64	2.05	13.2	
15-06-22 5:00	14.8	447117.7	30.43	0.66	4.69	15.13	
15-06-22 6:00	14.8	451831	31.29	0.71	2.68	14.62	
15-06-22 7:00	14.77	456857.1	32.12	0.64	0.83	12.12	
15-06-22 8:00	14.68	469347.1	34.32	0.71	0.67	9.67	
15-06-22 9:00	14.69	475044.5	35.72	0.9	0.34	13.55	
15-06-22 10:00	14.38	553783.6	24.91	0.91	0.32	19.86	
15-06-22 11:00	14.4	550876.9	24.14	0.93	0.32	18.09	
15-06-22 12:00	14.44	538361.3	23.25	0.93	0.32	14.42	
15-06-22 13:00	14.35	551815.5	24.57	0.96	0.32	18.91	
15-06-22 14:00	14.27	553721.3	38.15	0.5	0.4	16.21	
15-06-22 15:00	14.27	549562.8	38.15	0.5	0.4	16.21	
15-06-22 16:00	14.27	549431.9	15.9	0.77	0.34	17.48	
15-06-22 17:00	14.43	525544.8	26.66	0.99	0.32	24.37	
15-06-22 18:00	14.45	526115.3	32.06	0.91	0.32	25.77	
15-06-22 19:00	14.46	523172.8	32.66	0	0.32	21.46	

15-06-22 20:00	14.5	516129.9	34.58	0	0.33	14.19	
15-06-22 21:00	14.5	526593.6	27.85	0	0.33	18.85	
15-06-22 22:00	15.63	421661.9	18.2	0.5	6.99	157.83	
15-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
16-06-22 9:00	Shutdown	Shutdown	Shutdown	0.5	15.3	129.82	Shutdown
16-06-22 10:00	14.38	548193.6	18.96	0.74	2.35	39.88	
16-06-22 11:00	14.31	552026	18.06	0	0.32	15.72	
16-06-22 12:00	14.27	539026.9	15.7	0	0.31	15.53	
16-06-22 13:00	14.2	552663.2	18.4	0	0.31	16.7	
16-06-22 14:00	14.19	555371.1	19.66	0	0.31	19.47	
16-06-22 15:00	14.2	566002.6	20.72	0	0.31	21.57	
16-06-22 16:00	14.24	549716.3	18.93	0	0.31	18.99	
16-06-22 17:00	14.28	543060.3	18.16	0	0.31	16.3	
16-06-22 18:00	14.38	530073.4	24.5	0	0.32	17.27	
16-06-22 19:00	14.47	522974.6	43.32	0	0.32	14.65	
16-06-22 20:00	14.5	523957.3	38.27	0	0.33	16.52	
16-06-22 21:00	14.49	527276.3	40.74	0	0.33	19.04	
16-06-22 22:00	14.59	506375.9	41.08	0.12	2.09	30.77	
16-06-22 23:00	14.71	450084.5	26.95	0	1.22	14.9	
17-06-22 0:00	14.68	450903.7	28.45	0	1.15	12.5	
17-06-22 1:00	14.68	451489.6	28.82	0	0.78	11.81	
17-06-22 2:00	14.67	451236.5	28.48	0	0.44	11.88	
17-06-22 3:00	14.66	450499.8	28.2	0	0.81	11.88	
17-06-22 4:00	14.7	444387.1	24.66	0	2.6	17.26	
17-06-22 5:00	14.68	449791.5	26.56	0	1.71	13.33	
17-06-22 6:00	14.67	452078.4	27.16	0	1.71	11.86	
17-06-22 7:00	14.69	453324.3	26.37	0	0.92	12.43	
17-06-22 8:00	14.61	471881.5	28.97	0	0.33	9.63	
17-06-22 9:00	14.59	480403.4	30.48	0	0.33	11.2	
17-06-22 10:00	14.25	551980.4	17.03	0	0.31	16.62	
17-06-22 11:00	14.21	549796	17.58	0	0.31	16.59	
17-06-22 12:00	14.18	549642.4	17.92	0	0.31	17.81	
17-06-22 13:00	14.17	549045.1	17.07	0	0.31	19.99	
17-06-22 14:00	14.19	546183.5	16.79	0	0.31	17.94	
17-06-22 15:00	14.18	546485.1	16.89	0	0.31	18.02	
17-06-22 16:00	14.31	530223.6	25.24	0	0.32	19.6	
17-06-22 17:00	14.42	523697.9	31.06	0	0.32	18.45	
17-06-22 18:00	14.44	525315.7	33.56	0	0.32	17.9	
17-06-22 19:00	14.46	524606.1	28.43	0	0.32	17.61	
17-06-22 20:00	14.46	523509.3	41.84	0	0.32	16.75	
17-06-22 21:00	14.47	523162.7	46.11	0	0.32	18.36	
17-06-22 22:00	14.53	509166.8	33.58	0.07	1.8	28.36	
17-06-22 23:00	14.69	448787.4	25	0	1.24	14.6	
18-06-22 0:00	14.66	448198.6	26.58	0	1.33	11.03	
18-06-22 1:00	14.67	449043.4	24.68	0	2.73	13.57	
18-06-22 2:00	14.67	449177.1	25.88	0	1.89	12.56	
18-06-22 3:00	14.75	441901	22.69	0	8.29	18.12	
18-06-22 4:00	14.79	429994.2	20.73	0	21.31	20.51	
18-06-22 5:00	14.76	421412.5	22.11	0	21.8	16.14	
18-06-22 6:00	14.8	413721.1	18.95	0	26.03	22.05	
18-06-22 7:00	14.79	410478.4	20.99	0	0.42	17.8	
18-06-22 8:00	14.75	424703.5	24.56	0	27.3	11.35	
18-06-22 9:00	14.77	427801.1	23.01	0.06	22.11	16.77	
18-06-22 10:00	14.43	519942.5	34.84	0.06	0.53	16.34	
18-06-22 11:00	14.39	514132.8	40.19	0	0.32	9.81	
18-06-22 12:00	14.38	510716.7	38.93	0	0.32	9.86	
18-06-22 13:00	14.25	527481.9	20.71	0	0.31	15.85	
18-06-22 14:00	14.21	529694.2	14.2	0	0.31	13.42	
18-06-22 15:00	14.21	528268.5	17.54	0	0.31	14.05	
18-06-22 16:00	14.27	522586.6	24.86	0.01	0.31	17.95	
18-06-22 17:00	14.34	510437.9	36.59	0	0.32	9.56	
18-06-22 18:00	14.39	499916.3	35.35	0	0.32	10.29	
18-06-22 19:00	14.4	513239.8	35.44	0	0.32	10.19	
18-06-22 20:00	14.43	519276.3	37.49	0	0.32	11.99	
18-06-22 21:00	14.48	518212	35.91	0	0.32	16.9	
18-06-22 22:00	14.55	411750.9	23.46	0.5	0.49	14.02	
19-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

19-06-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 18:00	15.4	390916.5	21.03	0.5	18.14	177.92	
19-06-22 19:00	14.51	497709.2	31.26	0.6	0.33	15.21	
19-06-22 20:00	14.53	495470.4	31.59	0.18	0.33	15.67	
19-06-22 21:00	14.64	486359.8	29.05	0.15	2.36	25.59	
19-06-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20-06-22 7:00	18.83	181957.9	16.65	0.5	19	135.77	
20-06-22 8:00	14.66	468152.4	24.31	1.07	3.03	58.17	
20-06-22 9:00	14.56	471133.4	30.13	0	0.43	13.5	
20-06-22 10:00	14.26	551445.2	19.81	0	0.31	17.29	
20-06-22 11:00	14.22	549971.8	19.71	0	0.31	16.16	
20-06-22 12:00	14.17	558209.8	19.24	0	0.31	19.36	
20-06-22 13:00	14.18	557532.9	18.51	0	0.31	20.66	
20-06-22 14:00	14.17	555729.5	18.48	0	0.31	20.94	
20-06-22 15:00	14.16	556918.4	18.28	0	0.31	23.45	
20-06-22 16:00	14.19	553465.3	18.43	0	0.31	20.96	
20-06-22 17:00	14.17	558113.1	19.61	0	0.31	23.56	
20-06-22 18:00	14.23	546877.6	16.41	0	0.31	18.39	
20-06-22 19:00	14.3	540375.2	14.73	0	0.32	17.73	
20-06-22 20:00	14.3	540397.8	15.92	0	0.32	16.77	
20-06-22 21:00	14.32	548544.4	16.07	0	0.32	17.14	
20-06-22 22:00	14.46	523249.4	15.5	0.07	1.54	31.82	
20-06-22 23:00	14.67	456953.8	24.66	0	0.6	18.47	
21-06-22 0:00	14.67	454908.7	24.72	0	0.4	16.21	
21-06-22 1:00	14.68	455745.8	27.14	0	0.65	12.17	
21-06-22 2:00	14.65	453409.6	26.88	0	0.99	12.23	
21-06-22 3:00	14.65	452146.7	26.8	0	1.19	12.11	
21-06-22 4:00	14.7	447612.7	23.22	0	3.62	17.87	
21-06-22 5:00	14.69	444916	24.4	0	2.64	14.12	
21-06-22 6:00	14.68	450710.7	24.68	0	1.44	13.72	
21-06-22 7:00	14.65	453062.6	24.48	0	1.45	12.88	
21-06-22 8:00	14.59	469915.9	26.88	0	0.33	9.19	
21-06-22 9:00	14.54	483401.5	29.81	0	0.33	12.92	
21-06-22 10:00	14.21	552782.5	19.19	0	0.31	18.01	
21-06-22 11:00	14.19	550734.6	18.79	0	0.31	16.58	
21-06-22 12:00	14.19	548534.3	19.11	0	0.31	18.42	
21-06-22 13:00	14.16	555450.8	19.43	0	0.31	20.22	
21-06-22 14:00	14.14	556634	19.89	0	0.31	22.74	
21-06-22 15:00	14.14	555149.2	19.71	0	0.31	22.9	
21-06-22 16:00	14.16	55194.6	19.73	0	0.31	20.82	
21-06-22 17:00	14.17	551548.1	19.97	0	0.31	20.87	
21-06-22 18:00	14.19	550262.4	18.75	0	0.31	17.92	
21-06-22 19:00	14.21	551002	18.15	0	0.31	15.89	
21-06-22 20:00	14.25	556452	18.38	0	0.31	16.81	
21-06-22 21:00	14.3	551540.1	17.18	0	0.32	16.54	
21-06-22 22:00	14.43	524555.3	16.02	0.06	1.54	28.19	
21-06-22 23:00	14.68	450807	27.73	0	2.37	15.13	
22-06-22 0:00	14.68	452092.7	28.57	0	0.6	11.84	
22-06-22 1:00	14.67	455159	29.11	0	0.88	11.3	
22-06-22 2:00	14.68	454376.8	29.04	0	0.61	11.47	
22-06-22 3:00	14.7	449046.3	27.87	0	3.17	14.42	
22-06-22 4:00	14.7	448050.7	28.13	0	2.15	12.59	
22-06-22 5:00	14.72	442245.2	27.33	0	4.16	14.48	
22-06-22 6:00	14.72	438834.7	26.73	0	8.06	14.91	
22-06-22 7:00	14.73	450772.8	26.85	0	2.55	13.44	
22-06-22 8:00	14.64	477911.7	30.77	0	0.33	10.84	
22-06-22 9:00	14.62	475323.2	29.26	0	0.44	15.7	
22-06-22 10:00	14.22	565067.6	22.04	0	0.31	24.89	
22-06-22 11:00	14.24	553772.5	19.4	0	0.31	18.17	
22-06-22 12:00	14.25	540710.5	17.92	0	0.31	14.47	
22-06-22 13:00	14.21	555228.9	19.99	0	0.31	19.81	
22-06-22 14:00	14.2	556355.3	20.37	0	0.31	22.28	
22-06-22 15:00	14.22	553055.7	18	0	0.31	17.23	
22-06-22 16:00	14.29	545700	14.51	0	0.32	22.44	
22-06-22 17:00	14.41	533609.2	37.85	0	0.32	21.65	
22-06-22 18:00	14.45	525898.3	37.84	0	0.32	25.83	
22-06-22 19:00	14.44	533094.4	19.5	0	0.32	29.85	
22-06-22 20:00	14.41	541512.9	13.15	0	0.32	23.64	
22-06-22 21:00	14.4	542736.1	13.28	0	0.32	23.08	
22-06-22 22:00	14.49	522896.9	14.91	0.38	3.15	40.58	
22-06-22 23:00	14.66	455415	27.67	0	0.62	17.03	
23-06-22 0:00	14.66	455753.5	26.89	0	0.69	12.9	
23-06-22 1:00	14.66	455941.2	27.82	0	0.43	11.1	
23-06-22 2:00	14.69	451111.7	25.29	0	0.85	14.46	
23-06-22 3:00	14.71	450981.6	25.69	0	1.47	14.08	
23-06-22 4:00	14.74	447828.8	25.61	0	4.2	14.4	
23-06-22 5:00	14.76	447848.8	25.32	0	5	13.49	
23-06-22 6:00	14.77	449680.6	24.34	0	3.48	15	
23-06-22 7:00	14.78	456146.8	22.71	0	0.97	18.28	
23-06-22 8:00	14.62	481653.5	30.12	0	0.33	10.81	
23-06-22 9:00	14.61	486692.9	28.37	0	0.33	20.67	

23-06-22 10:00	14.28	55398.6	17.94	0	0.31	21.61	
23-06-22 11:00	14.27	549153.1	16.8	0	0.31	14.91	
23-06-22 12:00	14.28	539777.8	16.08	0	0.32	15.62	
23-06-22 13:00	14.22	554557.6	18.9	0	0.31	20.32	
23-06-22 14:00	14.21	556821.8	20.14	0	0.31	24.61	
23-06-22 15:00	14.23	552998.8	18.18	0	0.31	18.77	
23-06-22 16:00	14.27	548021.1	15.88	0	0.31	18.07	
23-06-22 17:00	14.33	538190.6	12.11	0	0.32	22.57	
23-06-22 18:00	14.41	529699.6	26.46	0	0.32	23.21	
23-06-22 19:00	14.4	537293.6	14.93	0	0.32	28.57	
23-06-22 20:00	14.37	542354.9	11.89	0	0.32	27.81	
23-06-22 21:00	14.38	542798.6	12.95	0	0.32	25.44	
23-06-22 22:00	14.5	522202.7	16.49	0.31	1.98	45.3	
23-06-22 23:00	14.71	451592	26.26	0	0.67	17.32	
24-06-22 0:00	14.67	452061.4	28.26	0	0.62	11.04	
24-06-22 1:00	14.66	450019.1	27.66	0	0.88	11.61	
24-06-22 2:00	14.66	448941	27.21	0	0.96	11.14	
24-06-22 3:00	14.69	445510.6	25.81	0	3.27	13.3	
24-06-22 4:00	14.69	444768.2	26.37	0	5.21	12.85	
24-06-22 5:00	14.69	442885.2	27.27	0	2.67	10.74	
24-06-22 6:00	14.7	441568.2	26.6	0	2.04	11.35	
24-06-22 7:00	14.7	443809.6	27.28	0	1.71	11.11	
24-06-22 8:00	14.64	465191.3	28.39	0	0.33	10.04	
24-06-22 9:00	14.63	473246.8	27.54	0	0.33	13.64	
24-06-22 10:00	14.29	555367.9	18.9	0	0.32	20.04	
24-06-22 11:00	14.24	549921.1	18.05	0	0.31	17.52	
24-06-22 12:00	14.25	539743.7	17.62	0	0.31	16.24	
24-06-22 13:00	14.19	552805.4	18.38	0	0.31	20.05	
24-06-22 14:00	14.18	553806.6	19.17	0	0.31	23.71	
24-06-22 15:00	14.17	551041.8	17.43	0	0.31	18.31	
24-06-22 16:00	14.21	545717.1	16.61	0	1.52	15.22	
24-06-22 17:00	14.27	534896.8	15.01	0	0.31	16.22	
24-06-22 18:00	14.35	528470.7	11.07	0	0.32	25.28	
24-06-22 19:00	14.46	521881	40.58	0	0.32	18.51	
24-06-22 20:00	14.46	524885.3	30.16	0	0.32	19.46	
24-06-22 21:00	14.45	528981.5	35.7	0	0.32	24.33	
24-06-22 22:00	14.53	506736.3	39.55	0.11	1.96	36.8	
24-06-22 23:00	14.66	453972.8	26.26	0	1.04	19.26	
25-06-22 0:00	14.66	451981.7	27.1	0	0.78	13.99	
25-06-22 1:00	14.64	453059.9	27.84	0	0.74	12.78	
25-06-22 2:00	14.65	451919.2	27.63	0	1.65	13.06	
25-06-22 3:00	14.71	445758.1	24.57	0	4.19	18.43	
25-06-22 4:00	14.72	441903.8	23.6	0	5.7	19.76	
25-06-22 5:00	14.74	431447.7	22.37	0	15.67	19.94	
25-06-22 6:00	14.78	427281.9	17.54	0	20.41	27.66	
25-06-22 7:00	14.76	430036.8	20.45	0	20.09	21.15	
25-06-22 8:00	14.7	443909.2	26.99	0	3.14	10.75	
25-06-22 9:00	14.7	452991.5	24.35	0.01	0.7	18.69	
25-06-22 10:00	14.47	522136	35.55	0.01	0.32	18.37	
25-06-22 11:00	14.48	514681.8	41.31	0	0.32	12.35	
25-06-22 12:00	14.45	513996.3	39.3	0	0.32	10.7	
25-06-22 13:00	14.32	528020.2	17.04	0	0.32	15.58	
25-06-22 14:00	14.29	529344.4	15.37	0	0.32	16.53	
25-06-22 15:00	14.3	527156.7	20.45	0	0.32	15.56	
25-06-22 16:00	14.36	517402.6	36.06	0	0.32	16	
25-06-22 17:00	14.42	513072.2	38.22	0	0.32	21.59	
25-06-22 18:00	14.48	513943.7	36.33	0	0.32	25.86	
25-06-22 19:00	14.48	501106.8	36.94	0	0.32	14.73	
25-06-22 20:00	14.53	484115.4	34.44	0	0.33	10.38	
25-06-22 21:00	14.56	495628.6	35.34	0	0.33	11.29	
25-06-22 22:00	15.72	394821.8	24.98	0.5	2.66	14.46	
25-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 7:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 8:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 9:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 10:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 11:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 12:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 13:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 14:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 15:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 16:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 17:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 18:00	15.59	386036.1	18.43	0.5	0.33	240.78	
26-06-22 19:00	14.56	486268.7	33.31	0	0.33	22.07	
26-06-22 20:00	14.56	490549.5	35.84	0	0.33	14.52	
26-06-22 21:00	14.63	477362.7	35.06	0.09	3.92	20.83	
26-06-22 22:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26-06-22 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 0:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 1:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 2:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 3:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 4:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

27-06-22 5:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 6:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27-06-22 7:00	18.8	186600.4	16.32	0.5	22.74	146.75	
27-06-22 8:00	14.7	473150.1	22.15	0.39	1.5	57.07	
27-06-22 9:00	14.56	476398.4	36.02	0	0.33	10.37	
27-06-22 10:00	14.25	565721.9	20.79	0	0.31	20.52	
27-06-22 11:00	14.26	553260.5	18.65	0	0.31	13.65	
27-06-22 12:00	14.25	554170.8	19.37	0	0.31	14.92	
27-06-22 13:00	14.21	555530.4	19.59	0	0.31	15.41	
27-06-22 14:00	14.2	552429.9	19.11	0	0.31	14.8	
27-06-22 15:00	14.17	561862.1	19.98	0	0.31	16.04	
27-06-22 16:00	14.25	546092.3	16.59	0	0.31	20.06	
27-06-22 17:00	14.41	529119.6	31.62	0	0.32	21.82	
27-06-22 18:00	14.44	525921.8	34.31	0	0.32	19.28	
27-06-22 19:00	14.44	524529.9	35.47	0	0.32	19.7	
27-06-22 20:00	14.44	525455.4	35.49	0	0.32	19.81	
27-06-22 21:00	14.42	533516.9	27.17	0	0.32	23.52	
27-06-22 22:00	14.53	513043.1	29.12	0.11	1.38	37.84	
27-06-22 23:00	14.7	459368.8	23.79	0.12	1.32	37.54	
28-06-22 0:00	14.65	457171.3	28.05	0	1.28	13.07	
28-06-22 1:00	14.64	455616.9	27.61	0	0.94	12.56	
28-06-22 2:00	14.64	454686.8	27.66	0	2.05	12.47	
28-06-22 3:00	14.66	452886.3	26.8	0	1.52	14.47	
28-06-22 4:00	14.65	450969.1	27.19	0	1.47	13.99	
28-06-22 5:00	14.64	458085.9	28.1	0	1.06	13.01	
28-06-22 6:00	14.64	461512.2	27.46	0	0.58	14.58	
28-06-22 7:00	14.56	466229.5	29.47	0	0.33	10.31	
28-06-22 8:00	14.49	483304.8	31.43	0	0.33	11.93	
28-06-22 9:00	14.5	488669.4	31.8	0	0.33	16.76	
28-06-22 10:00	14.21	553166.4	18.04	0.01	0.31	19.18	
28-06-22 11:00	14.17	552765.6	18.8	0	0.31	14.75	
28-06-22 12:00	14.15	556287	20.65	0	0.31	17.48	
28-06-22 13:00	14.16	555302.8	20.88	0	0.31	18.06	
28-06-22 14:00	14.2	549995.1	19.35	0	0.31	14.28	
28-06-22 15:00	14.15	553897.7	20.24	0	0.31	16.3	
28-06-22 16:00	14.14	548254.3	18.58	0	0.31	14.93	
28-06-22 17:00	14.14	550740.3	19.42	0	0.31	16.17	
28-06-22 18:00	14.18	545370	18.12	0	0.31	14.74	
28-06-22 19:00	14.22	543026.2	16.7	0	0.31	14.51	
28-06-22 20:00	14.24	553323.1	19.24	0	0.31	14.94	
28-06-22 21:00	14.26	547110.8	17.6	0	0.31	15.42	
28-06-22 22:00	14.38	524481.1	19.58	0.05	1.29	25.39	
28-06-22 23:00	14.6	454263	30.49	0	0.42	14.81	
29-06-22 0:00	14.59	453367	30.68	0	0.43	11.67	
29-06-22 1:00	14.57	456342.3	31.09	0	0.65	11.26	
29-06-22 2:00	14.59	457216.3	28	0	0.69	13.77	
29-06-22 3:00	14.57	455614.1	28.92	0	0.33	13.44	
29-06-22 4:00	14.6	449871.2	26.17	0	2.86	17.11	
29-06-22 5:00	14.59	451022.2	27.58	0	3.96	13.21	
29-06-22 6:00	14.58	459072.9	27	0	2.4	14.79	
29-06-22 7:00	14.55	459030.3	26.72	0	0.9	13.53	
29-06-22 8:00	14.47	471395.1	30.78	0	0.32	8.89	
29-06-22 9:00	14.47	474461.4	29.9	0	0.32	12.23	
29-06-22 10:00	14.13	554045.3	19.49	0	0.31	15.52	
29-06-22 11:00	14.11	552976.1	20.17	0	0.31	14.76	
29-06-22 12:00	14.11	542434.6	19	0	0.31	12.5	
29-06-22 13:00	14.06	558790.1	21.95	0	0.31	17.6	
29-06-22 14:00	14.06	558170	21.58	0	0.3	18.29	
29-06-22 15:00	14.07	557737.7	21.09	0	0.31	18	
29-06-22 16:00	14.09	552092.9	19.94	0	0.31	15.82	
29-06-22 17:00	14.08	556804.7	21.76	0	0.31	17.68	
29-06-22 18:00	14.12	548134.8	19.64	0	0.31	14.27	
29-06-22 19:00	14.15	546268.9	19.1	0	0.31	12.69	
29-06-22 20:00	14.17	555251.6	19.91	0	0.31	13.05	
29-06-22 21:00	14.21	552924.9	19.94	0	0.31	13.64	
29-06-22 22:00	14.33	529902.9	20.05	0.08	1.71	28.16	
29-06-22 23:00	14.63	460415.5	22.31	0.36	0.5	57.73	
30-06-22 0:00	14.56	451902.1	33.06	0	0.44	12.53	
30-06-22 1:00	14.53	454803.4	35.12	0	0.33	10.19	
30-06-22 2:00	14.55	447598.4	34.34	0	0.31	11.5	
30-06-22 3:00	14.56	445450.9	33.76	0	0.98	11.18	
30-06-22 4:00	14.58	444011.6	31.35	0	2.85	13.74	
30-06-22 5:00	14.58	448079.2	32.04	0	1.43	11.67	
30-06-22 6:00	14.58	454408	31.7	0	0.61	10.94	
30-06-22 7:00	14.58	450377	30.17	0	0.41	13.26	
30-06-22 8:00	14.48	472123.2	34.2	0	0.32	9.16	
30-06-22 9:00	14.46	476654.4	33.87	0	0.32	11.94	
30-06-22 10:00	14.15	549818.5	19.81	0	0.31	14.01	
30-06-22 11:00	14.12	547804.9	18.2	0	0.31	13.04	
30-06-22 12:00	14.1	549945.6	18.95	0	0.31	15.41	
30-06-22 13:00	14.1	548806.1	18.1	0	0.31	13.35	
30-06-22 14:00	14.12	546570.4	17.49	0	0.31	13.52	
30-06-22 15:00	14.12	546615.9	17.96	0	0.31	14.19	
30-06-22 16:00	14.11	545011.6	17.75	0	0.31	14.15	
30-06-22 17:00	14.12	539413.8	16.7	0	0.31	14.55	
30-06-22 18:00	14.19	532717.9	13.01	0	0.31	16.86	
30-06-22 19:00	14.27	539032.6	15.62	0	0.31	14.99	
30-06-22 20:00	14.18	548498.9	17.55	0	0.31	14.99	
30-06-22 21:00	14.21	548100.7	17.24	0	0.31	15.96	
30-06-22 22:00	14.27	545896	22.48	0	0.31	18.14	
30-06-22 23:00	14.16	570412.5	23.73	0	0.31	28.13	

Minimum	14.06	121,336.60	11.07	0.00	0.30	8.13
Maximum	19.96	570,412.50	50.55	3.70	27.30	240.78
Avg	14.52	501,195.06	26.29	0.36	1.83	22.31
SUM						
STD			STD = 60, 120	STD = 6, 20	STD = 28, 60	STD = 690

ภาคผนวก ข-8

ผลการตรวจสอบความถูกต้องของ CEMs



Analysis / Test Report

Client : Gulf NRV1 Co.,Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140596

Date Received : Dec 03, 2021
Date Reported : Dec 27, 2021
Report Number : 1949273-1

Page 1 of 3

Sample Number : 2140596-1
Sampled Date : Nov 29, 2021
Sample Description : Emission from Stationary Source
Location : HRSG 11
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	29 Nov 21	14:00	14:20	24.27	22.25	52.63	47.04	-5.60
2	29 Nov 21	14:21	14:41	24.57	22.05	53.53	47.23	-6.30
3	29 Nov 21	14:42	15:02	24.18	21.58	52.93	46.20	-6.73
4*	29 Nov 21	15:03	15:23	24.07	21.42	53.24	46.27	-6.97
5	29 Nov 21	15:24	15:44	23.99	21.58	53.13	46.64	-6.49
6*	29 Nov 21	15:45	16:05	24.65	21.94	54.59	47.39	-7.19
7	29 Nov 21	16:06	16:26	24.14	21.57	53.52	46.62	-6.90
8*	29 Nov 21	16:27	16:47	23.73	20.97	52.73	45.43	-7.29
9	29 Nov 21	16:48	17:08	22.75	20.62	51.93	45.76	-6.17
10	29 Nov 21	17:09	17:29	23.62	21.50	54.30	48.06	-6.24
11	29 Nov 21	17:30	17:50	23.11	21.05	53.28	47.16	-6.12
12	29 Nov 21	17:51	18:11	22.50	20.80	52.05	46.75	-5.30
Average						53.03	46.83	-6.20
Confidence Coefficient (CC)								0.39
Relative Accuracy (Compared with RM) (%)								14.08
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management



Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by



Sarayuth Jitranont

Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co.,Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140596

Date Received : Dec 03, 2021
Date Reported : Dec 27, 2021
Report Number : 1949273-1

Page 2 of 3

Sample Number : 2140596-1
Sampled Date : Nov 29, 2021
Sample Description : Emission from Stationary Source
Location : HRSG 11
Parameter : SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	29 Nov 21	14:00	14:20	0.08	0.19	0.17	0.40	0.23
2*	29 Nov 21	14:21	14:41	0.23	0.10	0.49	0.21	-0.28
3*	29 Nov 21	14:42	15:02	0.17	0.02	0.37	0.04	-0.33
4*	29 Nov 21	15:03	15:23	0.18	0.02	0.40	0.05	-0.35
5	29 Nov 21	15:24	15:44	0.13	0.09	0.30	0.19	-0.11
6	29 Nov 21	15:45	16:05	0.16	0.10	0.36	0.22	-0.14
7	29 Nov 21	16:06	16:26	0.15	0.10	0.33	0.22	-0.11
8	29 Nov 21	16:27	16:47	0.08	0.10	0.19	0.22	0.03
9	29 Nov 21	16:48	17:08	0.08	0.10	0.18	0.22	0.04
10	29 Nov 21	17:09	17:29	0.09	0.10	0.22	0.22	0.01
11	29 Nov 21	17:30	17:50	0.10	0.10	0.24	0.22	-0.02
12	29 Nov 21	17:51	18:11	0.10	0.11	0.23	0.24	0.01
Average						0.25	0.24	-0.01
Confidence Coefficient (CC)								0.09
Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)								1.55
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard :6 ppm)								≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 6 ppm at 7%O2
RA Result is within Criteria

Technical Management

Wichan Choonharat

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jitranont

Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co.,Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140596

Date Received : Dec 03, 2021
Date Reported : Dec 27, 2021
Report Number : 1949273-1

Page 3 of 3

Sample Number : 2140596-1
Sampled Date : Nov 29, 2021
Sample Description : Emission from Stationary Source
Location : HRSO 11
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	29 Nov 21	14:00	14:20	14.49	14.33	-0.16
2	29 Nov 21	14:21	14:41	14.52	14.41	-0.11
3	29 Nov 21	14:42	15:02	14.55	14.41	-0.14
4	29 Nov 21	15:03	15:23	14.62	14.47	-0.15
5	29 Nov 21	15:24	15:44	14.62	14.47	-0.16
6	29 Nov 21	15:45	16:05	14.62	14.47	-0.16
7	29 Nov 21	16:06	16:26	14.63	14.47	-0.16
8	29 Nov 21	16:27	16:47	14.65	14.48	-0.16
9*	29 Nov 21	16:48	17:08	14.81	14.64	-0.18
10	29 Nov 21	17:09	17:29	14.85	14.68	-0.17
11*	29 Nov 21	17:30	17:50	14.87	14.70	-0.18
12*	29 Nov 21	17:51	18:11	14.89	14.72	-0.18
Average				14.62	14.46	-0.15
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.15
Relative Accuracy Criteria (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Navaphut Sriviriya

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 1 of 10

Sample Number 2140600-2
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.6	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	120	°C	Gas Velocity	16.2	m/s
Type of Fuel	Natural Gas		Moisture	13.78	%	Flow Rate (Actual O2)	334331	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 14.6 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	02:10 PM - 02:58 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 2 of 10

Sample Number 2140600-2
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.6	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	120	°C	Gas Velocity	16.2	m/s
Type of Fuel	Natural Gas		Moisture	13.78	%	Flow Rate (Actual O2)	334331	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:10 PM - 02:58 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 3 of 10

Sample Number 2140600-3
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	12.98	%	Flow Rate (Actual O2)	335267	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O ₂	at 14.5 % O ₂				
Air Testing										
Total Suspended Particulate	03:10 PM - 03:58 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

Kanokkorn Anek
Kanokkorn Anek
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ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 4 of 10

Sample Number 2140600-3
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	12.98	%	Flow Rate (Actual O2)	335267	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:10 PM - 03:58 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

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Approved by

Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 5 of 10

Sample Number 2140600-4
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.0	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.2	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	16.1	m/s
Type of Fuel	Natural Gas		Moisture	12.76	%	Flow Rate (Actual O2)	337614	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O ₂	at 15.0 % O ₂				
Air Testing										
Total Suspended Particulate	04:10 PM - 04:58 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 6 of 10

Sample Number 2140600-4
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.0	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.2	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	16.1	m/s
Type of Fuel	Natural Gas		Moisture	12.76	%	Flow Rate (Actual O2)	337614	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	04:10 PM - 04:58 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 7 of 10

Sample Number 2140600-5
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.0	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	15.5	m/s
Type of Fuel	Natural Gas		Moisture	12.03	%	Flow Rate (Actual O2)	328120	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 15.5 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	05:00 PM - 05:48 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 8 of 10

Sample Number 2140600-5
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.0	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	15.5	m/s
Type of Fuel	Natural Gas		Moisture	12.03	%	Flow Rate (Actual O2)	328120	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	05:00 PM - 05:48 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 9 of 10

Sample Number 2140600-6
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.8	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	2.9	%
Type of Process	Combustion		Stack Temperature	117	°C	Gas Velocity	15.2	m/s
Type of Fuel	Natural Gas		Moisture	10.27	%	Flow Rate (Actual O2)	329420	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 15.8 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	06:00 PM - 06:48 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949279-1

Page 10 of 10

Sample Number 2140600-6
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one amber plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	15.8	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	2.9	%
Type of Process	Combustion		Stack Temperature	117	°C	Gas Velocity	15.2	m/s
Type of Fuel	Natural Gas		Moisture	10.27	%	Flow Rate (Actual O2)	329420	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	06:00 PM - 06:48 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Remark :

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Technical Management

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Senior Manager
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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140600
Date Received: Dec 03, 2021
Date Reported: Dec 28, 2021
Report Number: 2172434-1

Page 1 of 2

Sample Number 2140600-1
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter Relative Response Audit

Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values		RM Values (mg/m ³)	Allowable Range		Criterion
		Start	Stop	(%Opacity)	(mg/m ³)		Minimum	Maximum	
1	29-Nov-21	14:10	14:58	4.21	5.79	0.20	-1.21	12.79	Pass
2	29-Nov-21	15:10	15:58	4.04	5.56	0.19	-1.44	12.56	Pass
3	29-Nov-21	16:10	16:58	4.10	5.63	0.10	-1.37	12.63	Pass
4	29-Nov-21	17:00	17:48	4.05	5.57	0.20	-1.43	12.57	Pass
5	29-Nov-21	18:00	18:48	3.97	5.45	0.30	-1.55	12.45	Pass

Remark: -Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
-Correlation Equation of Linear curve $Y = 1.3755X$
-Emission limit 28 mg/m3 from Environmental Impact Assessment Report of Gulf NRV1 Co.,Ltd.

Technical Management

Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNVR1

Lot ID: 2140600

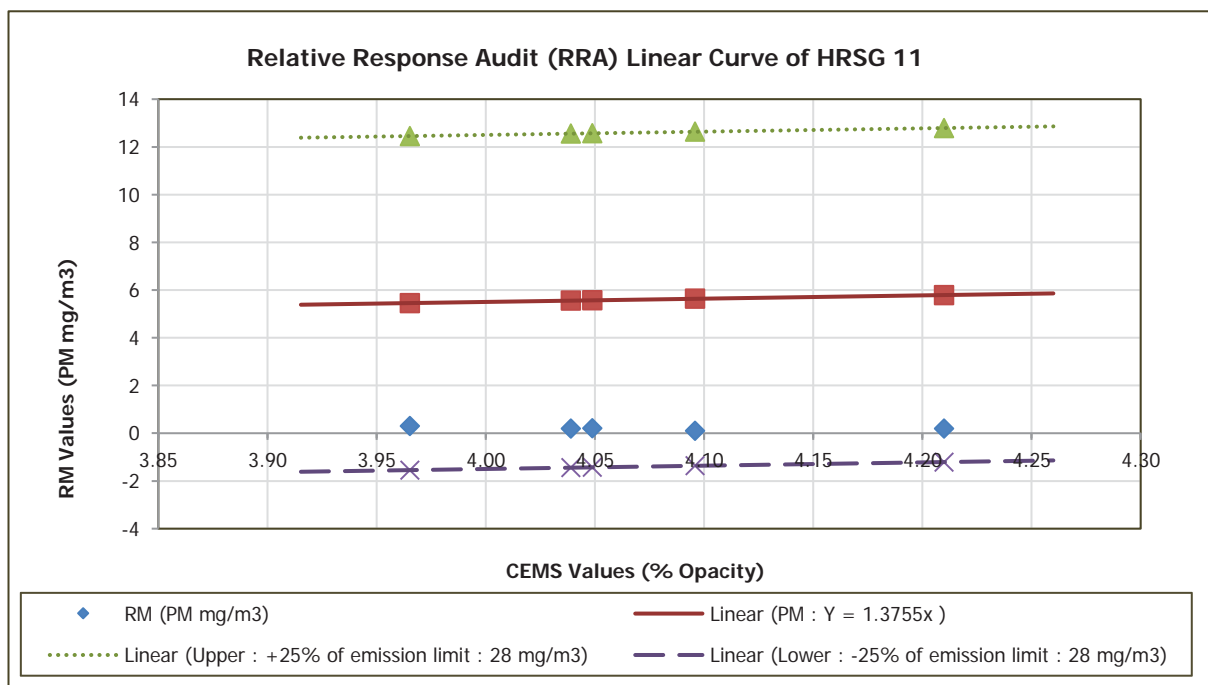
Date Received: Dec 03, 2021

Date Reported: Dec 28, 2021

Report Number: 2172434-1

Page 2 of 2

Sample Number 2140600-1
Sampled Date Nov 29, 2021
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter Relative Response Audit



Sampled By : Khanetson Khamphet

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittranont

Sarayuth Jittranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co.,Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140598

Date Received : Dec 03, 2021
Date Reported : Dec 27, 2021
Report Number : 1949274-1

Page 1 of 3

Sample Number : 2140598-1
Sampled Date : Nov 30, 2021
Sample Description : Emission from Stationary Source
Location : HRSG 12
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	30 Nov 21	14:10	14:30	15.31	18.00	31.43	39.63	8.20
2*	30 Nov 21	14:31	14:51	15.41	18.14	31.59	39.80	8.21
3	30 Nov 21	14:52	15:12	14.73	15.53	30.47	34.31	3.84
4	30 Nov 21	15:13	15:33	16.13	17.04	33.48	37.77	4.29
5	30 Nov 21	15:34	15:54	16.37	18.30	33.90	40.44	6.54
6	30 Nov 21	15:55	16:15	20.20	21.57	42.24	48.06	5.82
7	30 Nov 21	16:16	16:36	20.34	22.28	42.56	49.74	7.18
8	30 Nov 21	16:37	16:57	20.10	22.24	42.15	49.73	7.58
9*	30 Nov 21	16:58	17:18	20.05	22.25	42.20	49.81	7.61
10	30 Nov 21	17:19	17:39	20.17	22.28	42.62	49.92	7.30
11	30 Nov 21	17:40	18:00	20.69	22.70	43.83	50.94	7.11
12	30 Nov 21	18:01	18:21	21.10	23.15	44.75	51.99	7.25
Average						39.56	45.88	6.32
Confidence Coefficient (CC)								1.06
Relative Accuracy (Compared with RM) (%)								16.10
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management


Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by


Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co.,Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140598

Date Received : Dec 03, 2021
Date Reported : Dec 27, 2021
Report Number : 1949274-1

Page 2 of 3

Sample Number : 2140598-1
Sampled Date : Nov 30, 2021
Sample Description : Emission from Stationary Source
Location : HRSG 12
Parameter : SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	30 Nov 21	14:10	14:30	0.36	0.30	0.75	0.65	-0.10
2	30 Nov 21	14:31	14:51	0.39	0.30	0.81	0.65	-0.16
3*	30 Nov 21	14:52	15:12	0.42	0.23	0.88	0.52	-0.36
4	30 Nov 21	15:13	15:33	0.43	0.24	0.88	0.53	-0.35
5*	30 Nov 21	15:34	15:54	0.42	0.21	0.88	0.47	-0.41
6*	30 Nov 21	15:55	16:15	0.41	0.22	0.86	0.49	-0.37
7	30 Nov 21	16:16	16:36	0.37	0.23	0.78	0.51	-0.27
8	30 Nov 21	16:37	16:57	0.33	0.24	0.69	0.54	-0.14
9	30 Nov 21	16:58	17:18	0.29	0.23	0.60	0.52	-0.08
10	30 Nov 21	17:19	17:39	0.23	0.23	0.49	0.51	0.02
11	30 Nov 21	17:40	18:00	0.21	0.27	0.44	0.60	0.16
12	30 Nov 21	18:01	18:21	0.19	0.24	0.41	0.55	0.14
Average						0.65	0.56	-0.09
Confidence Coefficient (CC)								0.13
Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)								3.65
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard : 6 ppm)								≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 6 ppm at 7%O2
RA Result is within Criteria

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co.,Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140598

Date Received : Dec 03, 2021
Date Reported : Dec 27, 2021
Report Number : 1949274-1

Page 3 of 3

Sample Number : 2140598-1
Sampled Date : Nov 30, 2021
Sample Description : Emission from Stationary Source
Location : HRSO 12
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	30 Nov 21	14:10	14:30	14.13	14.59	0.46
2*	30 Nov 21	14:31	14:51	14.12	14.56	0.44
3*	30 Nov 21	14:52	15:12	14.18	14.61	0.43
4	30 Nov 21	15:13	15:33	14.21	14.63	0.42
5	30 Nov 21	15:34	15:54	14.19	14.61	0.42
6	30 Nov 21	15:55	16:15	14.25	14.66	0.41
7	30 Nov 21	16:16	16:36	14.26	14.67	0.42
8	30 Nov 21	16:37	16:57	14.27	14.68	0.41
9	30 Nov 21	16:58	17:18	14.30	14.69	0.39
10	30 Nov 21	17:19	17:39	14.32	14.70	0.38
11	30 Nov 21	17:40	18:00	14.34	14.71	0.37
12	30 Nov 21	18:01	18:21	14.35	14.71	0.36
Average				14.27	14.67	0.40
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.40
Relative Accuracy Criteria (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Navaphut Sriviriya

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jitranont

Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 1 of 10

Sample Number 2140603-2
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	14.4	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.°	%
Type of Process	Combustion		Stack Temperature	11°	FC	Gas Velocity	15.°	m/s
Type of Fuel	Natural Gas		Moisture	11.95	%	Flow Rate (Actual O2)	3337°°	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O ₂	at 14.4 % O ₂				
Air Testing										
Total Suspended Particulate	02:10 PM - 02:57 PM	mg/m3	-	0.5	<0.5	<0.5	27	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4°1°

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 2 of 10

Sample Number 2140603-2
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	5°	mmHg	Diameter	3.35	m	Oxygen	14.4	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.°	%
Type of Process	Combustion		Stack Temperature	11°	FC	Gas Velocity	15.°	m/s
Type of Fuel	Natural Gas		Moisture	11.95	%	Flow Rate (Actual O2)	3337°°	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:10 PM - 02:57 PM	g/s	-	-	<0.05	1.°	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Khanetson Khamphet

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 1°025.

Technical Management

Saranya C.
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Approved by

Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 3 of 10

Sample Number 2140603-3
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	14.6	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.°	%
Type of Process	Combustion		Stack Temperature	116	FC	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	12.12	%	Flow Rate (Actual O2)	321596	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O ₂	at 14.6 % O ₂				
Air Testing										
Total Suspended Particulate	03:05 PM - 03:53 PM	mg/m3	-	0.5	<0.5	<0.5	27	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.
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Scientist (4)
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Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 4 of 10

Sample Number 2140603-3
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	14.6	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.°	%
Type of Process	Combustion		Stack Temperature	116	FC	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	12.12	%	Flow Rate (Actual O2)	321596	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:05 PM - 03:53 PM	g/s	-	-	<0.04	1.°	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Khanetson Khamphet

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
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Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 5 of 10

Sample Number 2140603-4
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	15.0	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.3	%
Type of Process	Combustion		Stack Temperature	116	FC	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	10.53	%	Flow Rate (Actual O2)	326603	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O ₂	at 15.0 % O ₂				
Air Testing										
Total Suspended Particulate	04:00 PM - 04:47 PM	mg/m3	-	0.5	<0.5	<0.5	27	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4°1°

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 6 of 10

Sample Number 2140603-4
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	15.0	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.3	%
Type of Process	Combustion		Stack Temperature	116	FC	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	10.53	%	Flow Rate (Actual O2)	326603	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	04:00 PM - 04:47 PM	g/s	-	-	<0.05	1.°	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Khanetson Khamphet

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4°1°

Approved by

Kanokkorn Anek
Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page ° of 10

Sample Number 2140603-5
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	14.9	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.4	%
Type of Process	Combustion		Stack Temperature	115	FC	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	12.52	%	Flow Rate (Actual O2)	320996	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 14.9 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	04:55 PM - 05:43 PM	mg/m3	-	0.5	<0.5	<0.5	27	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4°1°

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 7 of 10

Sample Number 2140603-5
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	14.9	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.4	%
Type of Process	Combustion		Stack Temperature	115	FC	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	12.52	%	Flow Rate (Actual O2)	320996	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	04:55 PM - 05:43 PM	g/s	-	-	<0.04	1.°	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Khanetson Khamphet

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

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Saranya Chalermthamrong
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Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 9 of 10

Sample Number 2140603-6
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	15.2	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.2	%
Type of Process	Combustion		Stack Temperature	116	FC	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	12.°1	%	Flow Rate (Actual O2)	314420	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O ₂	at 15.2 % O ₂				
Air Testing										
Total Suspended Particulate	05:50 PM - 06:37 PM	mg/m3	-	0.5	1.4	0.6	27	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4°1°

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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11410-51/ EMAIL

S:\Reports_Air Stack_O2_2GL.rpt (8:46AM)



Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received : Dec 03, 2021
Date Reported : Dec 15, 2021
Report Number: 1949271-1

Page 10 of 10

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Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Date Analysis Commenced Dec 04, 2021
Condition of Sample Extracted into one filter paper placed in plastic petri dish

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Ambient Pressure	°5°	mmHg	Diameter	3.35	m	Oxygen	15.2	%
Ambient Temperature	30.0	FC	Shape	Circle		Carbon Dioxide	3.2	%
Type of Process	Combustion		Stack Temperature	116	FC	Gas Velocity	14.9	m/s
Type of Fuel	Natural Gas		Moisture	12.°1	%	Flow Rate (Actual O2)	314420	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	05:50 PM - 06:37 PM	g/s	-	-	0.05	1.°	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Khanetson Khamphet

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 1°025.

Technical Management

Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4°1°

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2140603

Date Received: Dec 03, 2021

Date Reported: Dec 28, 2021

Report Number: 2172436-1

Page 1 of 2

Sample Number 2140603-1
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Parameter Relative Response Audit

Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values		RM Values (mg/m ³)	Allowable Range		Criterion
		Start	Stop	(%Opacity)	(mg/m ³)		Minimum	Maximum	
1	30-Nov-21	14:10	14:58	1.42	4.75	0.31	-2.25	11.75	Pass
2	30-Nov-21	15:05	15:53	1.08	3.62	0.11	-3.38	10.62	Pass
3	30-Nov-21	16:00	16:48	1.64	5.49	0.33	-1.51	12.49	Pass
4	30-Nov-21	16:55	17:43	1.59	5.34	0.11	-1.66	12.34	Pass
5	30-Nov-21	17:50	18:38	1.45	4.85	1.36	-2.15	11.85	Pass

Remark: -Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
-Correlation Equation of Linear curve $Y = 7.6764X$
-Emission limit 28 mg/m³ from Environmental Impact Assessment Report of Gulf NRV1 Co.,Ltd.

Technical Management

Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNV1

Lot ID: 2140603

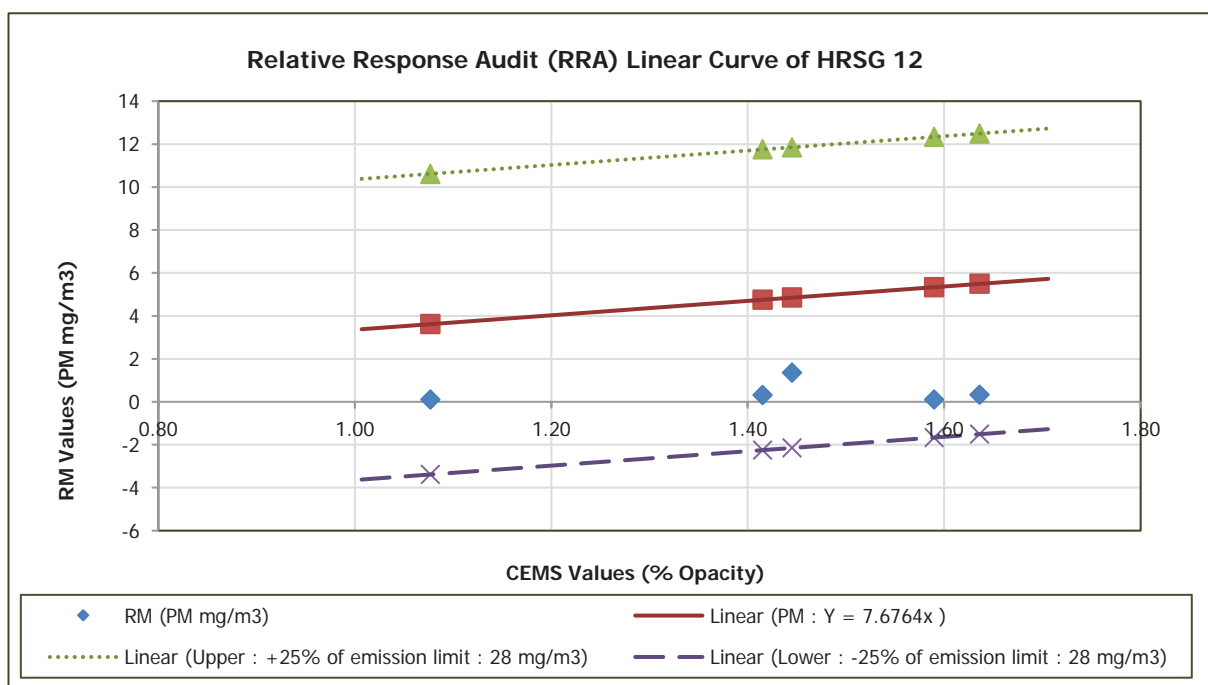
Date Received: Dec 03, 2021

Date Reported: Dec 28, 2021

Report Number: 2172436-1

Page 2 of 2

Sample Number 2140603-1
Sampled Date Nov 30, 2021
Sample Description Emission from Stationary Source
Location HRSG 12
Parameter Relative Response Audit



Sampled By : Khanetson Khamphet

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittranont

Sarayuth Jittranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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ภาคผนวก ข-9

เอกสารการออกแบบระบบ Dry Low NO_x Combustion

SPD	SYSTEM PACKAGE DESCRIPTION	007
DLE Gas Fuel System Description		

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OVERVIEW

The purpose of the LM6000 DLE (Dry Low Emissions) fuel system is to reduce atmospheric emissions of the gas turbine engine. It does this by providing a combustion system design that is highly efficient at burning the air and fuel mixture. Traditional methods of reducing NOx emissions from combustion turbines (such as water and steam injection) are limited in some geographical areas, making DLE an attractive option for achieving increasingly stringent emissions requirements.

The DLE combustion system consists of three separate manifolds that supply fuel to the engine in successive stages. Each individual branch line to each manifold has its own metering valve. Operation of the DLE system is fully automatic as load is increased on the turbine. The controlling parameters for fuel delivery include combustion temperature and generator load.

The DLE system includes off-base support equipment such as shutoff valves, chromatograph (or Wobbe Index Meter), and package mounted equipment such as metering valves, manifolds and staging valves.

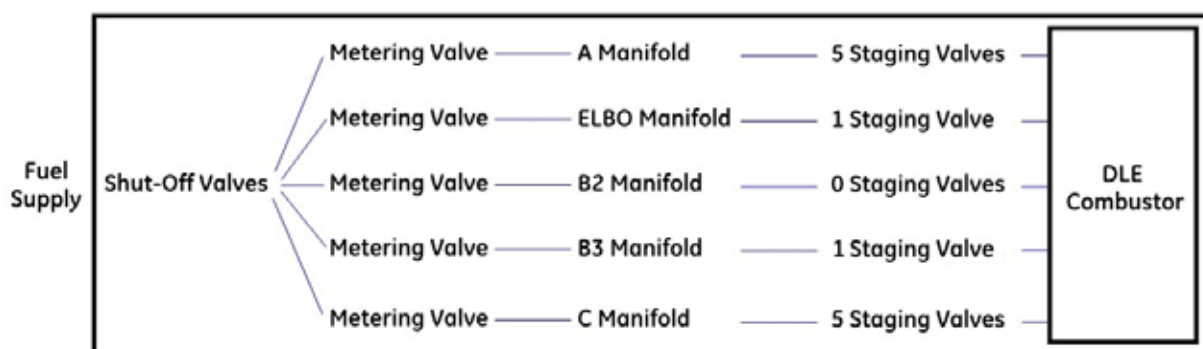


Figure 1 – DLE Fuel System Overview (PF1 Configuration shown)

*for illustration purposes only. Always refer to your site-specific drawings.

Emissions Basics

- *NO_x Emissions*
Nitrogen Oxides (NO_x) emissions include NO and NO₂. From gas turbines NO_x is predominately NO. NO_x emissions are due to thermal NO_x from combustion and fuel bound nitrogen (FBN).
- *CO Emissions*
Carbon Monoxide (CO) emissions are a measure of combustion completion. A higher value of CO indicates more incomplete combustion. CO is typically low due to the high combustion temperatures and the thermal efficiency of the unit.

MAIN TURBINE PACKAGE EQUIPMENT

The following is a description of the major components in the DLE gas fuel combustion system. The components can be located on the *DLE Gas Fuel System F&ID, X-504245*.

Strainer

Upon entering the main turbine package (fuel gas inlet connection # 10) the first component is a fuel gas strainer. The "Y" type strainer is designed to remove foreign particles from the gas fuel before it enters the downstream shut-off or metering valves.

Incoming Supply Pressure Transmitter

Following the Y strainer is a branch that supplies the fuel gas inlet supply pressure transmitter.

Pressure Transmitters

Another branch supplies fuel gas pressure to two pressure transmitters and a local gauge. One transmitter is set at 600 psig decreasing, and the other is set at 720 psig increasing.

Vents

Two branch lines are provided to aid in de-pressurizing the main line when necessary. The lines supply a set of 3-way vent valves.

Shut Off Valves

Gas flow is then routed through two shut off valves. The normally closed valves are operated by a 24 VDC pilot solenoid. Their purpose is to close during a shutdown (either normal or emergency) and prevent fuel flow to the turbine.

Temperature Sensors

A branch line provides fuel gas to a set of dual element RTD temperature sensors.

Branch Line Pressure Transmitters

As the incoming fuel gas branches into five individual lines (one to each manifold) there are individual pressure transmitters (and a set of redundant transmitters) that monitor the pressure in each branch.

Fuel Metering Valves

There are five fuel metering valves, one for each branch to each of the five manifolds. Each valve is designed to control the amount of fuel gas delivered to its respective manifold.

Manifolds

Gas fuel is metered to the on-engine fuel manifolds. The gas manifolds, one for each combustor ring, supply high pressure fuel to the pre-mixers via 90 flexible fuel hoses. The primary fuel supply to the pre-mixers uses 75 fuel hoses. The other 15 fuel hoses are used for the Enhanced Lean Blow-Out (ELBO) circuit integral with pre-mixers.

Acoustic Baffles

The acoustic baffles (sometimes referred to as elk horns) are installed on the Compressor Rear Frame pre-mixer pads. They are designed to attenuate or interfere with known negative combustor frequencies. Because of their individual designed structures, they are not interchangeable and should not be replaced or rearranged if an acoustic problem is encountered.

CAUTION

BECAUSE THE BAFFLE PIPES ARE HOLLOW THEY ARE EASILY DAMAGED. DO NOT USE THEM AS LADDERS DURING MAINTENANCE. THIS WARNING ALSO APPLIES TO STAGING VALVES.

Staging Valves

One of the key controlling parameters in a DLE gas turbine is combustor flame temperature. Flame temperature control is required to limit NO_x emissions and control Hot Section component lives. To maintain flame temperature control in a narrow temperature range during all gas turbine operating conditions, it is necessary to “stage” the combustor (turn sections of the combustor on and off). The 12 fuel Staging Valves control fuel distribution to the combustor rings as scheduled by the electronic control unit. Five staging valves control the A or Outer Ring, five staging valves control the C or Inner Ring, and two staging valves controls increase flow to the B3 or Pilot Ring. The ELBO has one staging valve. The B2 has no staging valve. The B ring dome has fuel available to it at all operating conditions. The combustor modes go from B mode at core idle to ABC at full power. During B mode, no staging valves are open and fuel is only burning in the B ring pre-mixer cups. During ABC mode, all staging valves are open and supplying fuel to each pre-mixer cup. The staging valves are mounted on brackets attached to the gas manifolds.

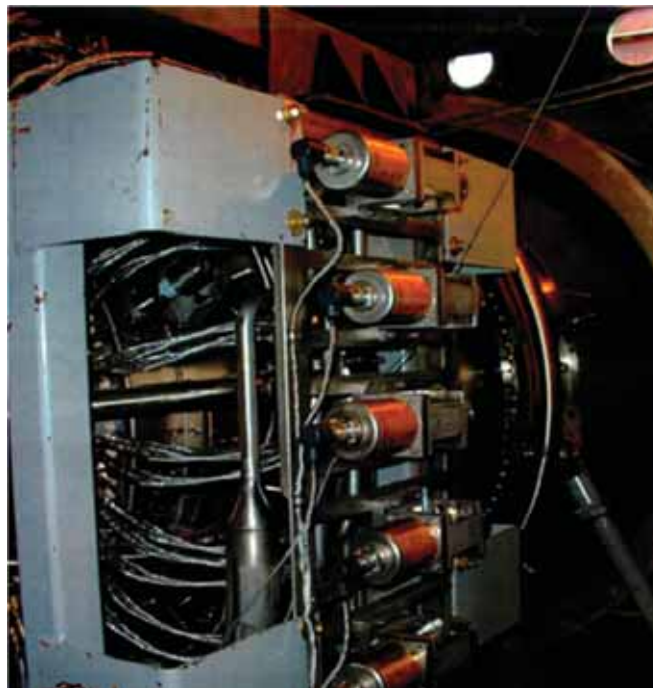
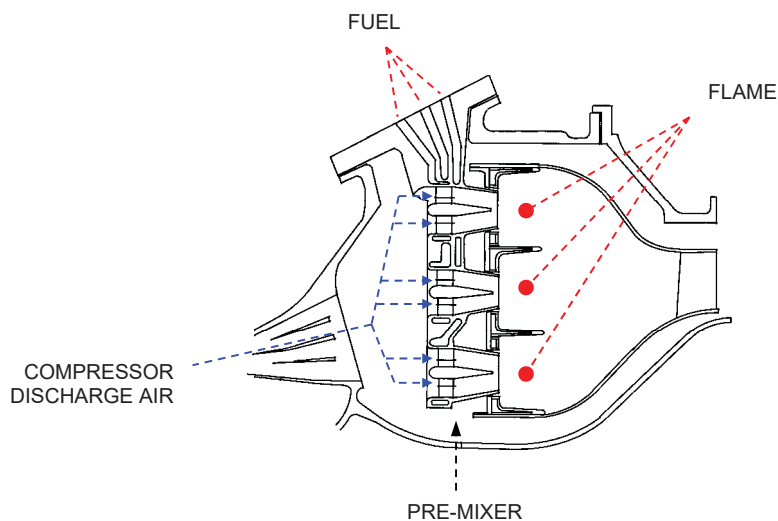
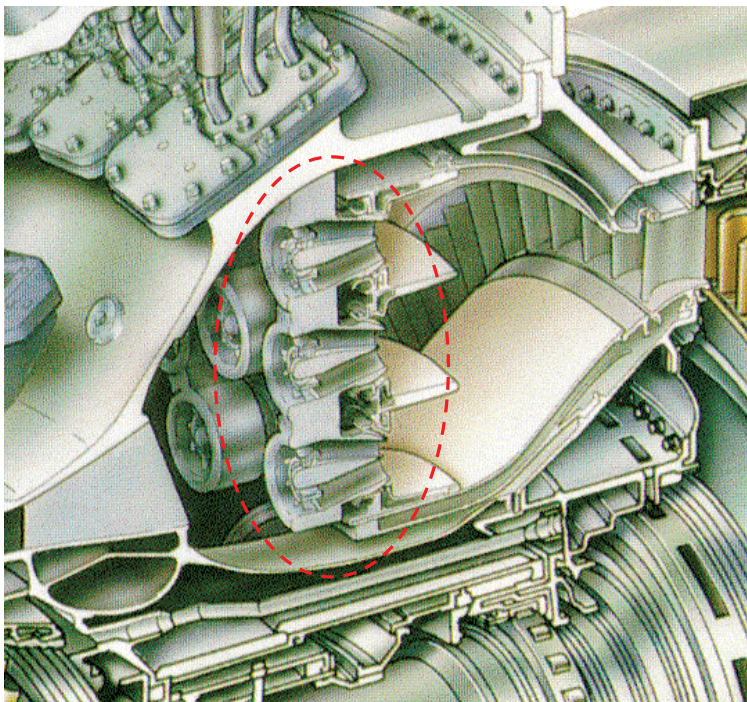


Figure 2 – DLE Staging Valves

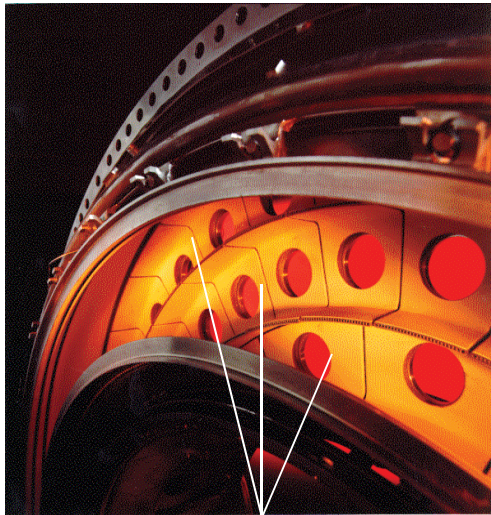
Pre-Mixers

Prior to combustion, the air and fuel mixture is routed through a multi-nozzle assembly that provides efficient and uniform pre-mixing. The pre-mixer is a single piece, field replaceable assembly that provides a swirling effect to ensure maximum mixing of fuel and air. The design also has the added benefit of providing high velocity that helps prevent flashbacks. There are a total of 75 air/gas pre-mixers packaged in 30 removable modules. Half of the modules have two pre-mixers and the other half have three pre-mixers.

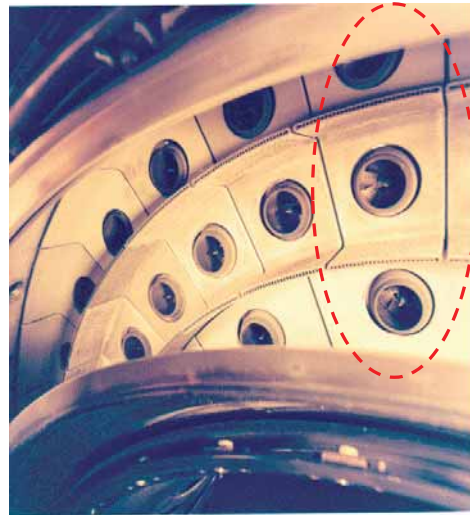


Combustor

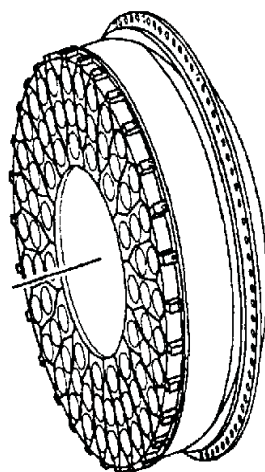
The tri-annular combustor is designed to deliver low emissions from start to full power. The combustor heat shields are made of single crystal Ni alloy and are impingement film cooled for low emissions at reduced power.



TRI-ANNULAR COMBUSTOR HEAT SHIELDS



**PRE-MIXER ASSEMBLIES
INSTALLED IN COMBUSTOR**



OFF-BASE SUPPORT EQUIPMENT

The off-base support equipment consists of an external block and bleed arrangement, and a gas analysis skid.

External Block and Bleed Valves

The external block and bleed valve arrangement is designed to provide a means for isolating and de-pressurizing the incoming gas supply line. Operation of these valves is to be controlled by GE logic.

Gas Analysis

The LM6000 DLE gas turbine requires accurate metering of the total mass flow rate of gas fuel. As part of the requirements to determine fuel metering valve demand position, the fuel system must include provisions for providing signals to the electronic control unit reflecting the following gas properties: specific gravity, ratio of specific heats, lower heating value, and compressibility. Rapid gas properties fluctuations will require more frequent updates. Improper properties can result in combustor flameout, acoustics, or reduced hot section life.

For proper DLE operation, the gas lower heating value (LHV) and specific gravity (SG) inputs to the fuel control must be within 1.0 percent of the actual values. If the properties of the particular site gas supply could change by more than this amount, gas analysis equipment must be supplied to ensure the fuel control is supplied with data of sufficient accuracy for proper operation.

The minimum temperature of the gas fuel supplied to the gas turbine shall be 50°F greater than the saturated vapor temperature of the gas supply pressure. The temperature of the gas fuel should not exceed 300°F at the gas manifold inlet. The use of unapproved fuels can cause severe damage to the engine.

When selecting and installing the gas analysis equipment, the total system response time should be considered. The total response time is defined as the time it takes for the gas sample to travel from the main supply line to the gas analysis equipment plus the time for the gas LHV and SG to be determined for input to the fuel control. To minimize the total system response time, it is necessary to minimize the mass of gas between the sampling point and the measurement device. The most important element in the design of the sampling pipe is location of the pressure regulator, which should be located as close as possible to the main gas supply line.

Gas Analysis Skid

The gas analysis skid is a complete, stand-alone skid that includes a gas fuel sampling system, an analyzer, a chromatograph, helium bottles and an enclosure. Or alternately, a Wobbe Index Meter may be used for gas analysis.

A Gas Chromatograph (or Wobbe Index Meter) is used to analyze the gas sample and determine the gas composition. The analysis will check for the presence of both hydrocarbons and non-hydrocarbons. Once gas composition is determined, the hydrocarbon and moisture dew point can then be calculated. If any parameters are exceeded, an alarm will be produced to make the Operator aware of the discrepancy.

The gas fuel moisture analyzer (hygrometer) operates on two separate electrical supplies of 120 VAC and 24 VDC. Its purpose is to detect moisture in the gas fuel supply.

References

X-504245 – *F&ID, DLE Gas Fuel System*

SPO-007 – *Fuel System Operation*

SPM-007 – *Fuel System Maintenance*

GEK 112743 – *LM6000-PF DLE Engine O&M Manual*

GEK 115699 – *LM6000-PH DLE Engine O&M Manual*


ภาคผนวก ข-10

เอกสารการใช้ก๊าซธรรมชาติเป็นเชื้อเพลิงเพียงชนิดเดียว



GUARANTEE On Peak
PROJECT: GULF NEW SPPS-CAT052900
LOCATION: THAILAND

KW AT GEN TERMS 47790
(KJ/KW-HR, LHV) 9136


Zhang, Meng
Performance Engineer
Date: 10/28/14

EMISSIONS ARE VALID FOR T2 WITHIN 41°F-140°F AND
A GTG LOAD DOWN TO 66.5 % AS DEFINED IN STEADY
STATE CONDITIONS FOR EMISSIONS GUARANTEE

NOX: 25 PPMVD AT 15% O₂

CO: 690 PPMVD AT 7% O₂

PM10: 30 mg/Nm³ AT 7% O₂
dry condition 0 deg °C, 760 mmHg

EXHAUST ENERGY: 105606 BTU/S (REF 0°R)/111421 KJ/S (REF 0°K)
EXHAUST TEMP: 947.5 °F (508.6°C)

NOT VALID WITHOUT SIGNATURE

VALID UNTIL 03/31/15

BASIS OF GUARANTEE:	BASE LOAD, GAS FUEL NOZZLE SYSTEM
	NO BLEED OR EXTRACTED POWER
ENGINE:	(1) GE LM6000PF+ DLE GAS TURBINE
FUEL:	20038Btu/lb / (46608 kJ/kg) LHV, GAS FUEL (#900-3838)
FUEL SPEC:	MID-TD-0000-1 LATEST REVISION
FUEL TEMP:	SITE FUEL TEMPERATURE OF 130.0°F(54.5°C)
GENERATOR:	BDAX 72-340ERH (EffCurve#: 32743; CapCurve# : 34511)
GENERATOR OUTPUT	11kV, 50 Hz
POWER FACTOR:	0.8
AMBIENT TEMP:	89.6°F / (32.0°C)
AMBIENT RH:	78.0%
INLET CONDITIONING:	NONE
ALTITUDE:	89.2ft / (27.2m)
INLET FILTER LOSS:	5.00 inH ₂ O / (127.0 mmH ₂ O)
EXHAUST LOSS:	10.00 inH ₂ O / (254.0 mmH ₂ O)
NOX CONTROL:	DLE
SPRINT WATER FLOW:	NOT TO EXCEED 17 GPM
ENGINE CONDITION:	NEW AND CLEAN ≤ 200 SITE FIRED HOURS
FIELD TEST METHODS	
PERFORMANCE:	GE POWER & WATER SGTGPTM
NOX:	EPA METHOD 20
CO:	EPA METHOD 10
PM10:	EPA METHOD 5 / 202


BASIS OF GUARANTEE IS NOT FOR DESIGN, REFER TO PROJECT DRAWINGS FOR DESIGN REQUIREMENTS.
SI VALUES ARE FOR REFERENCE PURPOSES ONLY.

THIS GUARANTEE SUPERSEDES ANY
PREVIOUS GUARANTEES PRESENTED



GUARANTEE On Peak
PROJECT: GULF NEW SPPS-CAT052900
LOCATION: THAILAND

KW AT GEN TERMS 47790
(KJ/KW-HR, LHV) 9136


Zhang, Meng
Performance Engineer
Date: 10/28/14

NEAR FIELD NOISE:

85 DB(A) ARITHMETIC AVERAGE SOUND PRESSURE LEVEL (dB
REF 20 MICROPASCALS, RMS) OF LOCATIONS AROUND THE
PACKAGE (VERTICAL DISTANCE OF 5FT. (1.5M) ABOVE
PACKAGE BASE AT A HORIZONTAL DISTANCE OF 3FT. (1M)
FROM THE EXTERIOR PLANE OF EQUIPMENT AS TESTED IN A
FREE-FIELD CONDITION OVER A HARD REFLECTING GROUND
PLANE, OPERATING AT BASE LOAD)

EXHAUST ENERGY: 105606 BTU/S (REF 0°R)/111421 KJ/S (REF 0°K)
EXHAUST TEMP: 947.5 °F (508.6°C)

NOT VALID WITHOUT SIGNATURE

VALID UNTIL 03/31/15

BASIS OF GUARANTEE:	BASE LOAD, GAS FUEL NOZZLE SYSTEM
	NO BLEED OR EXTRACTED POWER
ENGINE:	(1) GE LM6000PF+ DLE GAS TURBINE
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FUEL SPEC:	MID-TD-0000-1 LATEST REVISION
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GENERATOR:	BDAX 72-340ERH (EffCurv#: 32743; CapCurve# : 34511)
GENERATOR OUTPUT	11kV, 50 Hz
POWER FACTOR:	0.8
AMBIENT TEMP:	89.6°F / (32.0°C)
AMBIENT RH:	78.0%
INLET CONDITIONING:	NONE
ALTITUDE:	89.2ft / (27.2m)
INLET FILTER LOSS:	5.00 inH ₂ O / (127.0 mmH ₂ O)
EXHAUST LOSS:	10.00 inH ₂ O / (254.0 mmH ₂ O)
NOX CONTROL:	DLE
SPRINT WATER FLOW:	NOT TO EXCEED 17 GPM
ENGINE CONDITION:	NEW AND CLEAN ≤ 200 SITE FIRED HOURS
FIELD TEST METHODS	
PERFORMANCE:	GE POWER & WATER SGTGPTM
NOX:	EPA METHOD 20
CO:	EPA METHOD 10
PM10:	EPA METHOD 5 / 202

BASIS OF GUARANTEE IS NOT FOR DESIGN, REFER TO PROJECT DRAWINGS FOR DESIGN REQUIREMENTS.
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THIS GUARANTEE SUPERSEDES ANY
PREVIOUS GUARANTEES PRESENTED

ภาคผนวก ข-11

ขั้นตอนการควบคุมมลพิษจากปล่องระบายอากาศ

ใบขอดำเนินการเกี่ยวกับเอกสาร / Document Action Request, DAR

ถึง : DCC / ผู้อนุมัติ

จาก : Operation Department

ประเภท : ☐ คู่มือการจัดการ (MM)

☐ ระเบียบปฏิบัติ (PD)

☐ เอกสารสนับสนุน (SD)

☒ ขั้นตอนการทำงาน (WI)

☐ ฟอรม (FP, FW)

☐ อื่นๆ

หัวข้อเรื่อง :

☐ เอกสารใหม่

☐ ยกเลิกเอกสาร

☒ แก้ไขเอกสาร

☐ ขอสำเนาเพิ่ม

☐ อื่นๆ

ชื่อเอกสาร : HRSG emission control

รหัสเอกสาร : WI-OPT-08

การแก้ไข : 01

รายละเอียดในการแก้ไข

รองรับการใช้งานเอกสารจาก One standard



ร้องขอโดย

01 / 01 / 2021

ตรวจสอบโดย



DCC

01 / 01 / 2021

ส่วนงานเกี่ยวข้อง:

☐ MRT

☐ EHS

☐ HRA

☒ OPT

☐ MTN

☒ อนุมัติ


☐ ไม่อนุมัติ :



ผู้อนุมัติ

01 / 01 / 2021

การรับเอกสารบน Central Drive

ที่	รับ	ส่วนงาน	วันที่
(1)		OPT	01 JAN 2021
(2)			
(3)			
(4)			
(5)			
(6)			
(7)			
(8)			

หมายเหตุ : ต้องนำเอกสารฉบับปัจจุบันที่ได้รับการอนุมัติประกาศใช้ ไปใช้เท่านั้น

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วิธีปฏิบัติงาน


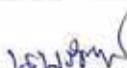

Work Instruction

เรื่อง


HRSG Emission Control

WI-OPT-08

ORIGINAL

ผู้จัดทำ	ผู้ทบทวน	ผู้อนุมัติ
 ชื่อ นายศิริวุฒิ สมบัติรัตนานันท์ ตำแหน่ง วิศวกรเดินเครื่อง วันที่ 01 JAN 2021	 ชื่อ นายพนรัตน์ เพ็งศรี ตำแหน่ง หัวหน้ากะ วันที่ 01 JAN 2021	 ชื่อ นายธีระพงษ์ ผ่องแผ้ว ตำแหน่ง ผู้จัดการเดินเครื่อง วันที่ 01 JAN 2021

“เอกสารนี้เป็นเอกสารใช้ภายในโรงไฟฟ้า SPP กลุ่มบริษัทกัลฟ์ เท่านั้น
หากมีการพิมพ์เอกสาร จะถือว่าเอกสารนั้นเป็นเอกสารไม่ควบคุม”

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ตารางบันทึกการแก้ไขเอกสาร

แก้ไข ครั้งที่	ผู้แก้ไข	วันที่มีผล บังคับใช้	หน้าที่ แก้ไข	จำนวน หน้ารวม	วัตถุประสงค์	รายละเอียดการเปลี่ยนแปลง
00	อัครดิพร จันทระประทีพ	18 May 2020	ทุกหน้า	4	ประกาศใช้ ครั้งที่ 1	เขียนขึ้นใหม่ทั้งหมด เพื่อใช้เป็นวิธีปฏิบัติงาน
01	อัครดิพร จันทระประทีพ	01 JAN 2021	ทุกหน้า	5	เพื่อรองรับ One standard	ทุกหน้า

“เอกสารนี้เป็นเอกสารใช้ภายในโรงไฟฟ้า SPP กลุ่มบริษัทกัลฟ์ เท่านั้น
หากมีการพิมพ์เอกสาร จะถือว่าเอกสารนั้นเป็นเอกสารไม่ควบคุม”

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1. จุดประสงค์

- เพื่อเป็นแนวทางในการปฏิบัติงานในส่วนเดินเครื่องโรงไฟฟ้า ให้เป็นไปอย่างถูกต้องครบถ้วนและปลอดภัย ต่อบุคลากรและเครื่องจักร

2. ขอบเขต

- วิธีปฏิบัติงานนี้ ใช้ในโรงไฟฟ้า SPP กลุ่มบริษัทกัลฟ์ฯ เท่านั้น

3. คำจำกัดความ

- บริษัทฯ หมายถึง โรงไฟฟ้า SPP ในกลุ่มบริษัทกัลฟ์ฯ
- พนักงาน หมายถึง บุคลากรของโรงไฟฟ้า SPP ในกลุ่มบริษัทกัลฟ์ฯ


4. ผู้ปฏิบัติงาน

- 4.1 ผู้จัดการส่วนเดินเครื่อง รับผิดชอบควบคุมการปฏิบัติงาน ให้เป็นไปตามขั้นตอน
- 4.2 หัวหน้ากะเดินเครื่อง รับผิดชอบสั่งการและปฏิบัติงานให้เป็นไปตามขั้นตอน
- 4.3 วิศวกรเดินเครื่อง รับผิดชอบและปฏิบัติงานให้เป็นไปตามขั้นตอน
- 4.4 หน่วยงานซ่อมบำรุง รับผิดชอบควบคุม ตรวจสอบและแก้ไขความผิดปกติของอุปกรณ์ เครื่องจักร
- 4.5 วิศวกรซ่อมบำรุง รับผิดชอบตรวจสอบและแก้ไขความผิดปกติของอุปกรณ์ เครื่องจักร

5. ความถี่ในการปฏิบัติ

- จัดบันทึกและตรวจสอบทุกครั้งที่เข้าปฏิบัติงานจะ ลงในแบบฟอร์ม AM-SPP-FW-OPT-04-01 Operation Log Sheet CCR

“เอกสารนี้เป็นเอกสารใช้ภายในโรงไฟฟ้า SPP กลุ่มบริษัทกัลฟ์ฯ เท่านั้น
หากมีการพิมพ์เอกสาร จะถือว่าเอกสารนั้นเป็นเอกสารไม่ควบคุม”

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6. วิธีการปฏิบัติงาน

6.1 ตรวจสอบความถูกต้องของการทำงานของระบบ CEMs (CEMs Audit) โดยใช้วิธีการตรวจสอบตามข้อกำหนด

6.1.1 System Audit เป็นการตรวจสอบความถูกต้องการทำงานของ CEMs ด้วยการประเมินความสามารถในเชิงคุณภาพ (Qualitative Evaluation) ในลักษณะการทบทวน (Review) และตรวจสอบเกี่ยวกับสถานภาพ (Status) การทำงานของ CEMs

6.1.2 Performance Audit เป็นการตรวจสอบความถูกต้องการทำงานของ CEMs ด้วยการประเมินความสามารถในการทำงานในเชิงปริมาณ (Quantitative Evaluation) ตรวจสอบความถูกต้องการตรวจวัด NO_x, SO₂, TSP และ O₂ โดยวิธี Relative Accuracy Test Audit (RATA) ซึ่งใช้หลักการอ่านค่า NO_x, SO₂, TSP และ O₂ จาก CEMs เปรียบเทียบกับค่าตรวจวัดจากการเก็บตัวอย่างอากาศจากปล่องโดยวิธีอ้างอิงมาตรฐานในเวลาเดียวกันจากนั้น นำค่าที่ได้มาคำนวณค่า Relative Accuracy และนำผลที่ได้ไปเปรียบเทียบกับเกณฑ์กำหนดการตรวจสอบความถูกต้อง

6.2 การตรวจสอบการส่งค่าออนไลน์ให้กรมโรงงานอุตสาหกรรม

6.2.1 ตรวจสอบค่าออนไลน์ในเว็บไซท์ <http://cems.diw.go.th/cems/Route/backend>

6.2.2 ตรวจสอบค่าในระบบ โดยค่าล่าสุดจะต้องไม่ช้าเกินกว่าเวลาปัจจุบันไม่เกิน 1 ชั่วโมง

6.3 แนวทางในการปฏิบัติกรณีค่าคุณภาพทางอากาศเกินที่กำหนดหรือไม่อัปเดตในระบบ Online

6.3.1 กรณีค่าคุณภาพอากาศเกินที่กำหนด

6.3.1.1 Shift Leader ทำการเพิ่ม หรือ ลดกำลังการผลิตของ GT

6.3.1.2 Shift Leader ออก Notification และแจ้งหน่วยงานซ่อมบำรุงเพื่อตรวจสอบอุปกรณ์เครื่องมือวัด

6.3.1.3 Shift Leader แจ้งหน่วยงาน EHS เพื่อแจ้งข้อมูลกับกรมโรงงานอุตสาหกรรม

6.3.2 กรณีค่าไม่อัปเดตในระบบ Online

6.3.2.1 เปิดโปรแกรม DBExport

6.3.2.2 ตรวจสอบสถานะ Server ที่ใช้ส่งค่าให้กรมโรงงานอุตสาหกรรม ต้องเป็นสีเขียวแสดงว่าสถานะปกติ กรณีสถานะเป็นสีแดง แสดงว่า Server ของบริษัทใช้งานไม่ได้ ให้แจ้ง EHS และแจ้งทางหน่วยงานซ่อมบำรุงเพื่อตรวจสอบ

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7. ข้อควรระวังด้านความปลอดภัยและสิ่งแวดล้อม

- ควบคุมค่า HRSG Emission Control ตามมาตรการที่ระบุใน EIA(Environmental Impact Assessment) กำหนด

8. เอกสารอ้างอิง

- ตามประกาศ EIA ของแต่ละ โรงไฟฟ้า

9. บันทึก

- FW-OPT-03-01 Operation Log Sheet CCR

คณะผู้จัดทำ

1. นาย ก้องเกียรติ อินทเจียด Assistant SVP I - Asset Management (SPPs1)
2. นาย รุ่งชัย เขียวพิริยะ GBL&GBP Operation Manager
3. นาย พิสิษฐ์ นาคสุข GNK2 Operation Manager
4. นาย จรินทร์ จันทร์เพ็ญ GTLC Operation Manager
5. นาย เสกสรรค์ สายขำนิ GKP1&2 Operation Manager
6. นาย ชาญวิทย์ เจียมเกาะ GNPM Operation Manager
7. นาย นิพัศ วงศ์ศิลป์ GNNK Operation Manager
8. นาย วิทยา วิเวกแว่ GNLL Operation Manager
9. นาย สุภฤกษ์ ตระการกุลชัย GCRN Operation Manager
10. นาย สุภสิทธิ์ แดงอำ GVTP Operation Manager
11. นาย ณรงค์ศักดิ์ ศรีชมภู GTS1&2 Operation Manager
12. นาย พงษ์ศักดิ์ รำพรรณ GTS3&4 Operation Manager
13. นาย นพดล เงินโสม GNC Operation Manager
14. นาย ธนินทร์ร ชูรอด GNLL2 Operation Manager
15. นาย ชีระพงษ์ ผ่องแผ้ว GNRV1&2 Operation Manager

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หากมีการพิมพ์เอกสาร จะถือว่าเอกสารนั้นเป็นเอกสารไม่ควบคุม”

ภาคผนวก ข-12

เอกสารรับรองบุคลากรด้านสิ่งแวดล้อม

ที่ อก ๐๓๑๓/ ๔๗๗๖



กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๑๔ ตุลาคม ๒๕๖๔

เรื่อง หนังสือรับแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน

เรียน ผู้รับใบอนุญาตประกอบกิจการโรงงาน บริษัท กัลฟ์ เอ็นอาร์วี ๑ จำกัด

อ้างถึง คำขอเลขที่ ๑๓๕๒ ลงรับวันที่ ๗ ตุลาคม ๒๕๖๔

ตามคำขอที่อ้างถึง ท่านแจ้งการยกเลิกบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ของ บริษัท กัลฟ์ เอ็นอาร์วี ๑ จำกัด (โรงไฟฟ้าหนองระเวียง ๑) ทะเบียนโรงงานเลขที่ ๓-๘๘(๒)-๔๑/๕๙ นม ประกอบกิจการผลิตพลังงานไฟฟ้าจากก๊าซธรรมชาติ ตั้งอยู่ ณ โฉนดที่ดินเลขที่ ๒๘๔๖๐๕ หมู่ที่ ๖ ตำบลหนองระเวียง อำเภอเมืองนครราชสีมา จังหวัดนครราชสีมา โทรศัพท์ ๐ ๔๔๓๗ ๕๙๙๐

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว รับแจ้งการยกเลิกบุคลากรด้านสิ่งแวดล้อม ประจำโรงงาน และให้ท่านยื่นคำขอแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงานครั้งต่อไป ภายในวันที่ ๒๗ กุมภาพันธ์ ๒๕๖๕ โดยมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ดังนี้

ผู้จัดการสิ่งแวดล้อม		นางสาวชนิดาภา พันธไชย			
ลำดับ	ผู้ควบคุมระบบบำบัด	เลขทะเบียน	มลพิษน้ำ	มลพิษอากาศ	มลพิษกากอุตสาหกรรม
๑	นางสาวอังสนา พนมเวช			✓	
ลำดับ	ผู้ปฏิบัติงานประจำระบบบำบัด				
๑	นายณพรัตน์ เพ็งศรี			✓	
๒	นายพรสวรรค์ จันทรงาม			✓	
๓	นายยุทธนา ฉายกล้า			✓	

หมายเหตุ ๑. การแจ้งการมี/ยกเลิก/เพิ่มเติม/เปลี่ยนแปลง บุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ต้องส่งหนังสือฉบับนี้ด้วย
๒. ยกเลิกหนังสือรับแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ที่ อก ๐๓๑๓/๓๓๑๗ ลงวันที่ ๒๗ กุมภาพันธ์ ๒๕๖๒

จึงเรียนมาเพื่อโปรดทราบ

ขอแสดงความนับถือ

(นายประสม คำรงพงษ์)

ผู้อำนวยการกองส่งเสริมเทคโนโลยีสิ่งแวดล้อมโรงงาน
ปฏิบัติราชการแทนอธิบดีกรมโรงงานอุตสาหกรรม

กองส่งเสริมเทคโนโลยีสิ่งแวดล้อมโรงงาน

กลุ่มกำกับบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน

โทร. ๐ ๒๒๐๒ ๓๔๖๑

โทรสาร ๐ ๒๒๐๒ ๔๑๗๐

ไปรษณีย์อิเล็กทรอนิกส์ saraban@diw.mail.go.th