

O. Reg. 88/22: Air Pollution – Discharge of Sulphur Dioxide from Petroleum Facilities

Section 34 Quarterly Report - Q3 2024

Nanticoke Refinery, Imperial Oil November 28, 2024 This quarterly report, which covers the July to September 2024 reporting period for the Imperial Oil Nanticoke Refinery, was prepared in accordance with Section 34 of O. Reg 88/22. Imperial Oil is making this report available to the public in accordance with subsection 41(1) paragraph 1 of O. Reg 88/22.

As per subsection 34(2) of O. Reg 88/22 the following information is required.

- 1. The date and time period of any contravention of sections 8 to 16.
 - Sections 8 to 16 are not yet applicable.
- 2. A summary of any measures identified under paragraph 6 of section 32 that were implemented at the facility during the quarter, their implementation dates and an assessment of their effectiveness.
 - Paragraph 6 of section 32 is not yet applicable.
- 3. The information required under paragraphs 1 to 3 of section 38.
 - Please refer to Attachment A for the information required under paragraphs 1 to 3 of section 38.
- 4. The records required under paragraphs 3 and 5 of section 39.
 - The concentration of sulphur dioxide was not determined to exceed the values identified in paragraph 3 of section 39.
- 5. The information required under paragraphs 1 and 3 of subsection 40 (2).
 - The concentration of sulphur dioxide measured at the ambient air monitors referenced in the notice issued to the Imperial Oil Nanticoke Refinery by the Director on August 31, 2023 did not exceed the values identified in paragraph 1 of subsection 40(2).

Attachment A

Source: FCC Regenerator Overheard via CO Boiler



CHAPTER CHAP	Component	1120	500 wat	02 wat	SO2	Ctaal: Valaait:	Ctack Dragging	Ctaal/Tamparatura	Normalized Wet
Jul 1, 100 AM	Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	(Dry_O2corr)	Stack Velocity (m/s)	Stack Pressure (kPa)	•	Flow (m³/sec)
Jul 1, 200 AM	Jul 1, 12:00 AM	14.2	437.3	3.0		12.5	99.2	288.5	79.2
Jul 1, 300 AM Jul 1, 400 AM Jul 1,	Jul 1, 1:00 AM	14.2	430.1	2.9	598.4	12.5	99.2	288.5	78.8
Jul 1, 300 AM Jul 1, 400 AM Jul 1,	Jul 1, 2:00 AM	14.3	429.1	2.9	596.7	12.5	99.2	288.6	79.3
Jul 1, 500 AM Jul 1, 6100 AM	Jul 1, 3:00 AM	14.3		2.9	592.1	12.6	99.2	288.5	79.6
Jul 1, 800 AM	Jul 1, 4:00 AM	14.9	418.0	2.9	586.7	12.8	99.3	289.1	80.6
Jul 1, 7.00 AM Jul 1, 8.00 AM Jul 1, 8.00 AM Jul 1, 8.00 AM Jul 1, 9.00 AM Jul 1, 9.00 AM Jul 1, 10.00 AM Jul	Jul 1, 5:00 AM	14.2	423.3	2.9	588.6	12.6	99.3	288.3	79.7
Jul 1, 8:00 AM Jul 1, 9:00 AM 14:2 Jul 1, 10:00 AM 14:2 Jul 1, 11:00 AM 14:5 Jul 1, 11:00 AM 14:6 Jul 1, 11:00 AM 14:7 Jul 1, 11:00 AM 14:7 Jul 1, 11:00 AM 14:8 Jul 1,	Jul 1, 6:00 AM	14.6	419.5	2.9	584.3	12.6	99.3	288.6	79.8
Jul 1, 900 AM 14.2 451.2 2.9 3.026.6 12.5 99.5 288.1 79.3 Jul 1, 1000 AM 14.2 452.8 2.9 3.028.2 3.04, 11, 1000 AM 14.4 445.5 447.1 2.8 621.2 12.5 99.5 288.3 79.4 Jul 1, 1200 PM 14.4 446.5 2.9 601.9 12.7 99.5 288.6 79.3 Jul 1, 1200 PM 14.1 440.9 2.9 611.0 12.6 99.4 288.6 79.4 Jul 1, 200 PM 14.1 440.9 2.9 611.0 12.6 99.4 288.6 79.4 Jul 1, 300 PM 14.7 456.9 2.9 612.6 612.5 99.4 288.6 79.4 Jul 1, 400 PM 14.7 456.9 2.9 612.6 612.5 99.4 288.6 79.4 Jul 1, 500 PM 14.8 442.6 2.8 617.4 12.5 99.4 288.6 79.3 Jul 1, 500 PM 14.5 447.6 2.7 615.5 12.3 99.4 287.6 78.2 Jul 1, 900 PM 14.7 485.0 2.6 618.8 12.3 99.4 287.6 78.2 Jul 1, 900 PM 14.7 485.0 2.6 618.8 12.3 99.4 287.6 78.2 Jul 1, 1100 PM 14.6 485.8 2.6 618.8 12.3 99.4 287.6 78.2 Jul 1, 1100 PM 14.6 485.8 2.6 618.8 12.3 99.4 287.6 78.2 Jul 1, 1100 PM 14.6 485.8 2.6 618.8 12.3 99.4 287.6 78.2 Jul 1, 1100 PM 14.6 485.8 2.6 618.8 12.3 99.4 287.6 78.2 Jul 1, 1100 PM 14.6 485.8 2.6 625.5 12.4 99.4 287.7 78.6 Jul 2, 100 AM 14.5 485.0 2.6 630.5 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 485.6 2.6 630.5 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 485.6 2.6 633.0 12.6 99.4 287.7 78.6 Jul 2, 200 AM 14.5 485.6 2.6 633.0 12.6 99.4 287.7 78.6 Jul 2, 200 AM 14.5 485.6 2.6 633.0 12.6 99.4 287.7 78.6 Jul 2, 200 AM 14.5 485.6 2.6 633.0 12.6 99.4 287.7 78.6 Jul 2, 200 AM 14.5 485.6 2.9 60.8 12.6 99.4 288.7 79.7 79.6 Jul 2, 200 AM 14.6 485.6 2.9 60.8 12.6 99.4 287.7 78.6 Jul 2, 200 AM 14.6 485.6 2.9 60.8 12.6 99.4 287.7 78.6 Jul 2, 200 AM 14.6 485.6 2.9 60.8 12.6 99.4 287.7 78.6 Jul 2, 200 AM 14.6 485.6 2.9 60.8 12.6 99.4 287.7 78.6 78.6 Jul 2, 200 AM 14.6 485.6 2.9 60.8 12.6 99.4 287.7 78.6 78.6 Jul 2, 200 AM 14.6 485.6 2.9 60.8 12.6 99.4 287.7 78.6 78.6 Jul 2, 200 AM 14.6 485.6 2.6 60.8 12.6 60.8 12.6 99.4 287.7 78.6 78.	Jul 1, 7:00 AM	14.5	428.2	2.9	597.9	12.6	99.4	288.6	80.0
Jul 1, 1000 AM 14 2 452 8 2.9 628 2 12.6 99.5 288 2 79.7 Jul 1, 1100 AM 14 5 447.1 2.8 621 2 12.5 99.5 288.3 79.9 Jul 1, 1100 PM 14.1 442 4 2.9 612.8 12.5 99.5 287.6 79.2 Jul 1, 100 PM 14.1 440 9 2.9 612.8 12.5 99.5 287.6 79.2 Jul 1, 100 PM 14.1 440 9 2.9 612.6 12.5 99.4 288.6 79.4 Jul 1, 300 PM 14.4 437.7 2.9 608.0 12.5 99.4 288.1 79.3 Jul 1, 500 PM 14.4 437.7 2.9 608.0 12.5 99.4 288.7 79.3 Jul 1, 500 PM 14.2 445.8 2.9 619.6 12.5 99.4 288.6 79.4 Jul 1, 500 PM 14.2 445.8 2.9 619.6 12.5 99.4 288.7 79.3 Jul 1, 500 PM 14.5 447.5 2.7 615.5 12.3 99.4 287.6 79.3 Jul 1, 100 PM 14.6 451.3 2.6 618.7 12.5 99.4 287.6 79.3 Jul 1, 100 PM 14.7 452.0 2.8 619.8 12.3 99.4 287.5 78.3 Jul 1, 100 PM 14.7 452.0 2.8 619.8 12.3 99.4 287.5 78.3 Jul 1, 100 DM 14.7 452.0 2.8 619.8 12.3 99.4 287.6 78.3 Jul 1, 100 DM 14.7 452.0 2.8 619.8 12.3 99.4 287.6 78.3 Jul 1, 100 DM 14.7 450.1 2.6 630.4 12.4 99.4 287.3 78.6 Jul 2, 1200 AM 15.2 451.5 2.6 624.7 12.6 99.4 287.7 79.6 Jul 2, 1200 AM 15.2 451.5 2.6 631.0 12.3 99.3 287.0 78.6 Jul 2, 200 AM 14.5 462.0 2.6 631.0 12.3 99.3 287.0 78.6 Jul 2, 200 AM 14.5 465.0 2.6 631.0 12.3 99.3 287.0 77.5 Jul 2, 200 AM 14.5 465.0 2.6 631.0 12.3 99.3 287.0 77.5 Jul 2, 200 AM 14.5 465.0 2.6 631.0 12.3 99.3 287.0 77.5 Jul 2, 200 AM 14.5 465.0 2.6 631.0 12.3 99.3 287.0 77.5 Jul 2, 200 AM 14.5 465.0 2.6 630.5 12.4 99.4 287.3 79.6 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.5 99.4 288.2 79.5 Jul 2, 200 AM 14.5 465.0 2.9 698.2 12.5 99.4 288.7 79.5 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.5 99.4 288.7 79.5 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.5 99.4 288.7 79.5 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.6 99.4 287.7 79.8 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.4 99.4 287.7 79.8 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.5 99.1 28.6 99.4 287.7 79.8 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.5 99.4 288.2 79.3 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.5 99.4 288.2 79.3 Jul 2, 200 AM 14.5 465.0 2.6 630.0 12.5 99.4 288.2 79.5 Jul 2, 200 AM 14.5 480.0 2.9 698.2 12.5 99.5 288.4 80.0 J	Jul 1, 8:00 AM	14.3	436.1	2.9	607.3	12.5	99.5	288.1	79.0
Jul 1, 11:00 PM 14.4 436.5 2.8 609.9 15.7 99.5 288.9 80.9 Jul 1, 12:00 PM 14.1 440.9 2.9 611.0 12.5 99.4 288.6 79.4 Jul 1, 200 PM 14.1 440.9 2.9 611.0 12.5 99.4 288.6 79.4 Jul 1, 300 PM 14.7 439.9 2.9 611.0 12.5 99.4 288.6 79.4 Jul 1, 400 PM 14.7 439.9 2.9 612.6 12.5 99.4 288.6 79.3 Jul 1, 400 PM 14.7 439.9 2.9 612.6 12.5 99.4 288.7 79.3 Jul 1, 500 PM 14.8 445.8 2.9 612.6 12.5 99.4 288.7 79.3 Jul 1, 600 PM 14.8 442.8 2.8 617.4 12.5 99.4 288.7 79.3 Jul 1, 800 PM 14.6 445.1 32.6 618.7 12.3 99.4 287.5 78.3 Jul 1, 800 PM 14.7 450.0 2.6 618.8 12.3 99.4 287.6 78.3 Jul 1, 100 PM 14.6 450.8 2.6 630.1 12.4 99.4 287.0 78.5 Jul 2, 100 AM 14.5 460.1 2.6 630.5 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 460.1 460.1 2.6 630.5 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 460.1 460.1 2.6 630.5 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 460.1 460.1 2.6 630.5 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 460.6 460.8 2.6 630.1 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 460.1 2.6 630.6 310.1 12.3 99.4 287.0 78.6 Jul 2, 200 AM 14.5 460.6 310.0 2.6 630.1 12.4 99.4 287.7 78.6 Jul 2, 200 AM 14.5 460.6 310.0 2.6 630.1 2.6 630.1 2.6 630.6 2.7 3.0 Jul 2, 200 AM 14.5 460.6 340.7 340.7 388.8 379.4 Jul 2, 200 AM 14.6 445.1 445.1 2.9 600.1 12.6 99.4 287.7 79.6 30.0 30	Jul 1, 9:00 AM	14.2	451.2	2.9	626.6	12.5	99.5	288.1	79.3
Jul 1, 1200 PM	Jul 1, 10:00 AM	14.2	452.8	2.9	628.2	12.6	99.5	288.2	79.7
Jul 1,100 PM	Jul 1, 11:00 AM	14.5	447.1	2.8	621.2	12.5	99.5	288.3	79.4
Jul 1, 200 PM	Jul 1, 12:00 PM	14.4	436.5	2.9	609.9	12.7	99.5	288.9	80.2
Jul 1, 300 PM	Jul 1, 1:00 PM	14.1	442.4	2.9	612.8	12.5	99.5	287.6	79.2
Jul 1, 4:00 PM	Jul 1, 2:00 PM	14.1	440.9	2.9	611.0	12.5	99.4	288.6	79.4
Jul 1, 5:00 PM	Jul 1, 3:00 PM	14.4	437.7	2.9	608.0	12.5	99.4	288.1	79.0
Jul 1, 6:00 PM	Jul 1, 4:00 PM	14.7	436.9	2.9	612.6	12.5	99.4	288.5	79.3
Jul 1, 7:00 PM 14.5 Jul 1, 8:00 PM 14.6 Jul 1, 9:00 PM 14.7 452.0 2.6 619.8 12.3 99.4 287.6 78.2 Jul 1, 10:00 PM 14.7 452.0 2.6 619.8 Jul 1, 10:00 PM 14.7 452.0 2.6 619.8 Jul 1, 10:00 PM 14.7 460.1 2.6 630.4 12.4 99.4 287.3 78.6 Jul 1, 11:00 PM 14.6 459.8 2.6 629.5 12.4 99.4 287.7 78.9 Jul 2, 1:00 AM 14.5 461.3 2.6 624.7 12.6 99.4 287.0 78.5 Jul 2, 1:00 AM 14.5 461.3 2.6 630.5 12.4 99.3 287.0 78.6 Jul 2, 2:00 AM 14.5 462.0 2.6 631.0 12.3 99.3 287.0 78.6 Jul 2, 2:00 AM 14.5 465.6 2.6 636.1 12.4 99.4 287.0 78.6 Jul 2, 2:00 AM 14.5 462.0 2.6 631.0 12.3 99.3 287.0 78.6 Jul 2, 2:00 AM 14.5 465.6 2.6 636.1 12.4 99.4 287.1 78.6 Jul 2, 2:00 AM 14.5 465.6 2.6 636.1 12.4 99.4 287.0 78.6 Jul 2, 2:00 AM 14.5 465.6 2.6 636.1 12.4 99.4 287.0 78.6 Jul 2, 2:00 AM 14.5 465.6 2.6 633.0 12.6 99.4 287.9 79.9 Jul 2, 5:00 AM 14.4 455.1 2.7 627.5 12.5 99.4 288.0 79.2 Jul 2, 6:00 AM 14.4 441.2 2.9 614.2 12.6 99.4 288.0 79.2 Jul 2, 5:00 AM 14.4 441.5 2.9 604.2 12.6 99.4 288.6 80.1 Jul 2, 9:00 AM 14.3 430.9 2.9 597.2 12.6 99.4 288.6 80.1 Jul 2, 9:00 AM 14.4 430.6 2.9 598.2 Jul 2, 1:00 AM 14.4 430.6 2.9 598.2 Jul 2, 1:00 AM 14.5 428.6 99.4 288.6 79.2 Jul 2, 1:00 AM 14.3 430.6 2.9 598.2 Jul 2, 1:00 AM 14.4 430.6 2.9 598.2 Jul 2, 1:00 AM 14.5 430.9 2.9 597.2 12.6 99.4 288.6 79.2 Jul 2, 1:00 AM 14.5 430.9 2.9 597.2 12.6 99.4 288.6 79.1 Jul 2, 2:00 PM 14.3 430.0 2.9 597.9 12.6 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.0 2.9 597.9 12.6 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.0 2.9 597.9 597.9 12.6 99.9 288.4 79.9 Jul 2, 2:00 PM 14.5 433.6 2.9 597.9 597.9 12.6 99.9 288.7 79.1 Jul 2, 2:00 PM 14.6 43.1 430.0 2.9 598.7 598.7 79.9 12.6 99.9 288.7 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.1 288.0 79.	Jul 1, 5:00 PM	14.2	445.8	2.9	619.6	12.5	99.3	288.0	79.2
Jul 1, 8:00 PM	Jul 1, 6:00 PM	14.8	442.6	2.8	617.4	12.5	99.4	288.4	79.4
Jul 1, 9:00 PM	Jul 1, 7:00 PM	14.5	447.5	2.7	615.5	12.3	99.4	287.5	78.2
Jul 1, 10:00 PM	Jul 1, 8:00 PM	14.6	451.3	2.6	618.7	12.3	99.4	287.6	78.3
Jul 1, 11:00 PM	Jul 1, 9:00 PM	14.7	452.0	2.6	619.8	12.3	99.4	287.8	78.2
Jul 2, 12:00 AM	Jul 1, 10:00 PM	14.7	460.1	2.6	630.4	12.4	99.4	287.3	78.6
Jul 2, 1:00 AM	Jul 1, 11:00 PM	14.6	459.8	2.6	629.5	12.4	99.4	287.0	78.9
Jul 2, 2:00 AM	Jul 2, 12:00 AM	15.2	451.5	2.6	624.7	12.6	99.4	287.7	79.9
Jul 2, 3:00 AM 14.5 465.6 2.6 636.1 12.4 99.4 287.1 78.8 Jul 2, 4:00 AM 15.2 457.6 2.6 633.0 12.6 99.4 287.9 79.6 Jul 2, 5:00 AM 14.4 455.1 2.7 627.5 12.5 99.4 288.0 79.2 Jul 2, 5:00 AM 14.4 445.1 2.7 627.5 12.5 99.4 288.0 79.2 Jul 2, 5:00 AM 14.9 440.7 2.8 616.3 12.7 99.5 289.1 80.6 Jul 2, 7:00 AM 14.4 441.2 2.9 614.2 12.6 99.5 288.4 80.1 Jul 2, 8:00 AM 14.6 431.5 2.9 604.2 12.6 99.4 288.5 80.1 Jul 2, 9:00 AM 14.3 436.9 2.9 608.1 12.5 99.4 288.2 79.2 Jul 2, 10:00 AM 14.3 430.0 2.9 597.2 12.6 99.4 288.2 79.2 Jul 2, 11:00 AM 14.4 430.6 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 11:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 289.0 80.7 Jul 2, 11:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.6 429.9 2.8 596.8 12.6 99.3 288.3 79.5 Jul 2, 3:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 4:00 PM 14.3 433.6 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 5:00 PM 14.3 433.6 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 5:00 PM 14.3 433.6 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 5:00 PM 14.3 433.6 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.5 2.7 601.2 12.6 99.0 287.7 78.7 Jul 2, 7:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.7 78.7 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.7 78.1 Jul 2, 8:00 PM 14.7 443.1 2.6 608.8 12.4 98.8 287.2 78.2 Jul 2, 1:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 2, 1:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 2, 1:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 2, 1:00 DM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 2, 1:00 DM 14.8 441.0 2.6 604.4 12.4 98.8 287.5 78.6 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 281.1 78.9 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 281.1 78.5 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 281.1 78.5 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 281.1 78.5 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.6 287.5 78.6 Jul 3, 3:00 AM 15.0 AM 15.0 430.5 2.7 598.1 12.6 98.6 287.5 78.6 Jul 3, 3:00 AM 15.0 AM 15.0 430.5 2.7 5	Jul 2, 1:00 AM	14.5	461.3	2.6	630.5	12.4	99.3	287.0	78.6
Jul 2, 4:00 AM	Jul 2, 2:00 AM	14.5	462.0	2.6	631.0	12.3	99.3	287.0	77.9
Jul 2, 5:00 AM 14.4 455.1 2.7 627.5 12.5 99.4 288.0 79.2 Jul 2, 6:00 AM 14.9 440.7 2.8 616.3 12.7 99.5 289.1 80.6 Jul 2, 7:00 AM 14.4 441.2 2.9 614.2 12.6 99.5 288.4 80.1 Jul 2, 8:00 AM 14.6 431.5 2.9 604.2 12.6 99.4 288.5 80.1 Jul 2, 9:00 AM 14.3 436.9 2.9 608.1 12.5 99.4 288.2 79.2 Jul 2, 10:00 AM 14.3 430.0 2.9 597.2 12.6 99.4 288.4 79.6 Jul 2, 10:00 PM 14.7 423.7 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 1:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 7	Jul 2, 3:00 AM	14.5	465.6	2.6	636.1	12.4	99.4	287.1	78.8
Jul 2, 6:00 AM 14.9 440.7 2.8 616.3 12.7 99.5 289.1 80.6 Jul 2, 7:00 AM 14.4 441.2 2.9 614.2 12.6 99.5 288.4 80.1 Jul 2, 8:00 AM 14.6 431.5 2.9 604.2 12.6 99.4 288.5 80.1 Jul 2, 9:00 AM 14.3 436.9 2.9 608.1 12.5 99.4 288.2 79.2 Jul 2, 10:00 AM 14.3 430.0 2.9 597.2 12.6 99.4 288.2 79.2 Jul 2, 11:00 AM 14.7 423.7 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 12:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 288.3 79.1 Jul 2, 2:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.3 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12	Jul 2, 4:00 AM	15.2	457.6	2.6	633.0	12.6	99.4	287.9	79.6
Jul 2, 7:00 AM 14.4 441.2 2.9 614.2 12.6 99.5 288.4 80.1 Jul 2, 8:00 AM 14.6 431.5 2.9 604.2 12.6 99.4 288.5 80.1 Jul 2, 10:00 AM 14.3 436.9 2.9 608.1 12.5 99.4 288.2 79.2 Jul 2, 11:00 AM 14.4 430.6 2.9 597.2 12.6 99.4 288.2 79.2 Jul 2, 11:00 PM 14.7 423.7 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 1:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 288.2 79.2 Jul 2, 1:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.9 Jul 2, 4:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4	Jul 2, 5:00 AM	14.4	455.1	2.7	627.5	12.5	99.4	288.0	79.2
Jul 2, 8:00 AM 14.6 431.5 2.9 604.2 12.6 99.4 288.5 80.1 Jul 2, 9:00 AM 14.3 436.9 2.9 608.1 12.5 99.4 288.2 79.2 Jul 2, 10:00 AM 14.3 430.0 2.9 597.2 12.6 99.4 288.4 79.6 Jul 2, 11:00 AM 14.4 430.6 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 12:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 288.0 80.7 Jul 2, 100 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 200 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.9 Jul 2, 300 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 500 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 </td <td>Jul 2, 6:00 AM</td> <td>14.9</td> <td>440.7</td> <td>2.8</td> <td>616.3</td> <td>12.7</td> <td>99.5</td> <td>289.1</td> <td>80.6</td>	Jul 2, 6:00 AM	14.9	440.7	2.8	616.3	12.7	99.5	289.1	80.6
Jul 2, 9:00 AM 14.3 436.9 2.9 608.1 12.5 99.4 288.2 79.2 Jul 2, 10:00 AM 14.3 430.0 2.9 597.2 12.6 99.4 288.4 79.6 Jul 2, 11:00 AM 14.4 430.6 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 12:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 289.0 80.7 Jul 2, 1:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.5 Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 6:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0	Jul 2, 7:00 AM	14.4	441.2	2.9	614.2	12.6	99.5	288.4	80.1
Jul 2, 10:00 AM 14.3 430.0 2.9 597.2 12.6 99.4 288.4 79.6 Jul 2, 11:00 AM 14.4 430.6 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 12:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 289.0 80.7 Jul 2, 1:00 PM 14.3 426.4 2.9 597.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.9 Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12	Jul 2, 8:00 AM	14.6	431.5	2.9	604.2	12.6	99.4	288.5	80.1
Jul 2, 11:00 AM 14.4 430.6 2.9 598.2 12.5 99.4 288.2 79.2 Jul 2, 12:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 289.0 80.7 Jul 2, 1:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.5 Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.	Jul 2, 9:00 AM	14.3	436.9	2.9	608.1	12.5	99.4	288.2	79.2
Jul 2, 12:00 PM 14.7 423.7 2.9 594.3 12.8 99.4 289.0 80.7 Jul 2, 1:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.9 Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.	Jul 2, 10:00 AM	14.3	430.0	2.9	597.2	12.6	99.4	288.4	79.6
Jul 2, 1:00 PM 14.3 426.4 2.9 593.1 12.5 99.3 288.3 79.1 Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.5 Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.1 Jul 2, 9:00 PM 14.7 443.5 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4	Jul 2, 11:00 AM	14.4	430.6	2.9	598.2	12.5	99.4	288.2	79.2
Jul 2, 2:00 PM 14.3 430.9 2.9 597.9 12.6 99.3 288.3 79.9 Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.1 Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.	Jul 2, 12:00 PM	14.7	423.7	2.9	594.3	12.8	99.4	289.0	80.7
Jul 2, 3:00 PM 14.6 429.9 2.8 596.8 12.6 99.2 288.4 79.5 Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.1 Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 3, 12:00 AM 15.4 431.5 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 1:00 AM 14.8 436.4 2.6 597.3 12.	Jul 2, 1:00 PM	14.3	426.4	2.9	593.1	12.5	99.3	288.3	79.1
Jul 2, 4:00 PM 14.5 427.4 2.9 597.4 12.7 99.1 289.5 80.1 Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.1 Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 3, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 2:00 AM 14.8 436.4 2.6 599.7 12	Jul 2, 2:00 PM	14.3	430.9	2.9	597.9	12.6	99.3	288.3	79.9
Jul 2, 5:00 PM 14.3 433.0 2.9 600.8 12.5 99.1 288.0 78.8 Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.1 Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 2, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 287.5 78.8 Jul 3, 2:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.4 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12	Jul 2, 3:00 PM	14.6	429.9	2.8	596.8	12.6	99.2	288.4	79.5
Jul 2, 6:00 PM 14.3 433.6 2.9 601.7 12.5 99.0 287.7 78.7 Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.2 Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 3, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 2:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.6 Jul 3, 3:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12	Jul 2, 4:00 PM		427.4	2.9	597.4	12.7	99.1	289.5	80.1
Jul 2, 7:00 PM 15.1 433.5 2.7 601.2 12.6 99.0 288.2 79.5 Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.1 Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 2, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.6 Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.6 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12	Jul 2, 5:00 PM	14.3	433.0	2.9	600.8	12.5	99.1	288.0	78.8
Jul 2, 8:00 PM 14.7 443.5 2.6 609.6 12.4 98.9 287.1 78.1 Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 2, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.6 Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.4 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0		14.3	433.6	2.9	601.7	12.5	99.0	287.7	78.7
Jul 2, 9:00 PM 14.7 440.9 2.6 604.2 12.4 98.8 287.2 78.2 Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 2, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.6 Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.6 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0	Jul 2, 7:00 PM	15.1	433.5	2.7	601.2	12.6	99.0	288.2	79.5
Jul 2, 10:00 PM 14.7 443.1 2.6 606.8 12.4 98.8 287.3 78.1 Jul 2, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.6 Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.6 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0	Jul 2, 8:00 PM	14.7	443.5	2.6	609.6	12.4	98.9	287.1	78.1
Jul 2, 11:00 PM 14.8 441.0 2.6 604.4 12.4 98.8 287.4 78.2 Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.8 Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.4 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0	Jul 2, 9:00 PM								78.2
Jul 3, 12:00 AM 15.4 431.5 2.6 597.3 12.5 98.8 288.1 78.9 Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.8 Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.6 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0									78.1
Jul 3, 1:00 AM 14.8 436.4 2.6 599.7 12.5 98.8 287.5 78.8 Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.4 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0									78.2
Jul 3, 2:00 AM 14.9 439.4 2.6 603.2 12.4 98.7 287.5 78.4 Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0									78.9
Jul 3, 3:00 AM 15.2 437.3 2.5 601.8 12.5 98.6 287.5 78.6 Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0									78.8
Jul 3, 4:00 AM 15.0 430.5 2.7 598.1 12.6 98.6 288.1 79.0									78.4
									78.6
Jul 3, 5:00 AM 14.7 435.5 2.7 601.1 12.5 98.5 287.5 78.5	Jul 3, 4:00 AM								79.0
	Jul 3, 5:00 AM	14.7	435.5	2.7	601.1	12.5	98.5	287.5	78.5

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 3, 6:00 AM	15.3	431.3	2.8	603.1	12.8	98.5	288.3	80.3
Jul 3, 7:00 AM	14.6	437.0	2.8	605.6	12.6	98.5	287.8	79.0
Jul 3, 8:00 AM	14.9	441.5	2.8	615.8	12.8	98.5	288.4	80.0
Jul 3, 9:00 AM	15.6 C	440.6 C	2.8 C	621 C	13.1	97.9	293.9	80.7
Jul 3, 10:00 AM	14.8	451.4	2.8	628.7	12.9	97.8	292.7	79.4
Jul 3, 11:00 AM	15.7	452.8	2.7	636.0	12.9	98.4	292.4	80.4
Jul 3, 12:00 PM	14.8	458.0	3.0	644.7	12.8	98.4	290.0	80.0
Jul 3, 1:00 PM	15.1	461.1	2.8	645.4	12.8	98.4	289.5	79.9
Jul 3, 2:00 PM	15.0	460.6	2.8	644.7	12.7	98.3	288.8	79.4
Jul 3, 3:00 PM	15.1	460.3	2.8	645.6	12.6	98.3	289.0	79.1
Jul 3, 4:00 PM	15.6	457.1	2.9	648.0	12.8	98.3	289.3	80.3
Jul 3, 5:00 PM	15.2	461.1	2.8	644.0	12.6	98.3	288.5	78.7
Jul 3, 6:00 PM	15.8	449.7	2.8	633.5	12.7	98.3	288.8	79.2
Jul 3, 7:00 PM	15.2	452.2	2.8	632.2	12.8	98.3	288.2	80.1
Jul 3, 8:00 PM	15.1	449.4	2.8	629.8	12.7	98.3	287.9	79.4
Jul 3, 9:00 PM	15.1	451.5	2.8	631.3	12.7	98.3	288.2	79.8
Jul 3, 10:00 PM	15.1	448.3	2.8	626.7	12.7	98.3	288.2	79.8
Jul 3, 11:00 PM	15.3	446.6	2.8	625.8	12.8	98.3	288.6	80.1
Jul 4, 12:00 AM	15.5	438.6	2.9	619.3	12.8	98.4	288.3	80.2
Jul 4, 1:00 AM	15.1	444.4	2.8	621.8	12.8	98.4	287.8	80.2
Jul 4, 2:00 AM	15.1	438.7	2.8	613.2	12.7	98.4	287.7	79.5
Jul 4, 3:00 AM	15.1	425.9	2.8	595.3	12.6	98.4	287.6	79.1
Jul 4, 4:00 AM	15.9	410.7	2.8	581.0	12.6	98.4	287.5	79.2
Jul 4, 5:00 AM	15.3	407.4	2.8	570.4	12.3	98.4	286.2	77.4
Jul 4, 6:00 AM	15.3	404.3	2.8	566.0	12.2	98.4	285.3	77.1
Jul 4, 7:00 AM	15.8	373.8	2.8	527.3	12.4	98.4	286.4	77.8
Jul 4, 8:00 AM	15.2	365.8	2.8	513.2	12.2	98.4	285.7	77.0
Jul 4, 9:00 AM	15.2	379.6	2.8	531.4	12.2	98.4	285.6	76.5
Jul 4, 10:00 AM	15.4	343.7	2.7	480.7	12.3	98.4	286.7	77.2
Jul 4, 11:00 AM	15.2	351.8	2.9	494.9	12.5	98.4	287.4	78.2
Jul 4, 12:00 PM	14.9	372.7	3.0	527.3	12.6	98.5	287.3	79.4
Jul 4, 1:00 PM	15.0	388.3	3.0	548.3	12.7	98.4	286.9	79.6
Jul 4, 2:00 PM	14.9	402.8	2.9	566.6	12.5	98.4	287.4	78.7
Jul 4, 3:00 PM	15.2	397.1	2.7	552.8	12.6	98.3	287.8	79.2
Jul 4, 4:00 PM	15.1	387.5	2.7	539.4	12.6	98.3	288.6	78.8
Jul 4, 5:00 PM	15.0	390.1	2.8	545.1	12.6	98.2	287.2	79.2
Jul 4, 6:00 PM	15.0	389.4	2.8	545.1	12.7	98.2	287.9	79.3
Jul 4, 7:00 PM	15.1	390.6	2.8	546.1	12.7	98.2	288.7	79.6
Jul 4, 8:00 PM	15.8	383.0	2.7	537.8	12.8	98.2	289.1	79.9
Jul 4, 9:00 PM	14.9	377.1	3.0	531.5	12.5	98.2	285.3	78.9
Jul 4, 10:00 PM	14.9	361.4	2.9	506.6	12.4	98.2	285.3	78.3
Jul 4, 11:00 PM	14.8	355.8	2.9	497.2	12.5	98.2	286.3	78.7
Jul 5, 12:00 AM	15.5	338.6	2.9	478.7	12.8	98.1	287.1	80.0
Jul 5, 1:00 AM	14.9	350.8	2.9	490.8	12.5	98.1	286.2	78.5
Jul 5, 2:00 AM	15.2	322.4	2.8	452.1	12.3	98.0	285.4	77.0
Jul 5, 3:00 AM	15.3	313.2	2.8	440.4	12.2	98.0	285.4	76.6
Jul 5, 4:00 AM	15.7	306.8	2.9	434.2	12.7	98.0	286.5	79.3
Jul 5, 5:00 AM	15.1	322.5	2.9	452.2	12.4	98.0	285.9	78.0
Jul 5, 6:00 AM	15.5	320.6	2.8	451.0	12.5	98.0	285.7	78.4
Jul 5, 7:00 AM	15.1	321.7	2.9	452.5	12.5	98.0	285.7	78.2
Jul 5, 8:00 AM	15.0	316.4	2.9	444.3	12.3	98.0	285.3	77.2
Jul 5, 9:00 AM	14.9	318.0	3.0	449.3	12.3	98.0	285.4	77.3
Jul 5, 10:00 AM	14.9	312.1	3.0	441.0	12.4	98.0	285.6	77.6
Jul 5, 11:00 AM	14.8	306.4	3.0	433.2	12.5	97.9	285.2	78.4

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O	SO2_wet	O2_wet	SO2	Stack Velocity	Stack Pressure	StackTemperature	Normalized Wet
·	(%)	(PPM/hr)	(%Wet)	(Dry_O2corr) (PPM/hr)	(m/s)	(kPa)	(°C)	Flow (m³/sec)
Jul 5, 12:00 PM	15.1	308.6	3.0	436.8	12.4	98.0	285.4	77.6
Jul 5, 1:00 PM	15.0	316.9	3.0	448.0	12.4	98.0	285.2	77.7
Jul 5, 2:00 PM	14.8	337.7	2.9	474.6	12.3	98.0	285.6	77.4
Jul 5, 3:00 PM	15.7	325.2	2.7	456.5	12.5	98.0	284.8	78.5
Jul 5, 4:00 PM	15.0	313.6	2.9	439.7	12.1	98.0	284.3	76.0
Jul 5, 5:00 PM	15.1	309.0	2.8	430.6	12.1	97.9	284.2	75.9
Jul 5, 6:00 PM	15.2 C	293.5 C	2.7 C	408 C	12.1	97.9	284.5	76.1
Jul 5, 7:00 PM	15.2	280.0	2.8	392.0	12.0	97.9	284.1	75.5
Jul 5, 8:00 PM	15.2	271.6	2.7	378.1	12.0	97.9	283.5	75.3
Jul 5, 9:00 PM	15.1	287.8	2.7	400.8	12.1	97.9	284.1	75.8
Jul 5, 10:00 PM	15.0	303.7	2.8	422.6	12.3	98.0	284.9	77.4
Jul 5, 11:00 PM	15.6	296.6	2.8	416.5	12.6	98.0	285.9	79.3
Jul 6, 12:00 AM	15.0	309.9	2.8	432.2	12.6	98.0	285.5	78.9
Jul 6, 1:00 AM	14.9	313.0	2.8	435.4	12.5	98.0	285.4	78.6
Jul 6, 2:00 AM	15.0	300.4	2.8	417.8	12.5	98.0	285.6	78.4
Jul 6, 3:00 AM	15.0	295.4	2.8	411.3	12.6	97.9	285.8	78.9
Jul 6, 4:00 AM	15.6	290.3	2.8	408.9	12.8	97.9	286.4	80.2
Jul 6, 5:00 AM	15.1	284.1	2.8	396.0	12.6	97.9	285.5	78.7
Jul 6, 6:00 AM	15.8	275.0	2.7	385.4	12.7	98.0	285.7	79.6
Jul 6, 7:00 AM	15.2	283.3	2.8	396.7	12.6	98.0	285.5	79.0
Jul 6, 8:00 AM	15.1	264.2	2.7	368.0	12.4	98.1	285.1	78.2
Jul 6, 9:00 AM	15.0	273.7	2.7	380.7	12.5	98.1	285.3	78.6
Jul 6, 10:00 AM	15.0	282.7	2.7	393.0	12.4	98.1	285.3	78.2
Jul 6, 11:00 AM	15.0	284.1	2.8	389.0	12.4	98.2	285.1	77.8
Jul 6, 12:00 PM	15.0	274.1	2.7	383.0	12.5	98.2	285.3	78.8
Jul 6, 1:00 PM	15.1	262.1	2.8	367.0	12.4	98.2	284.8	78.3
Jul 6, 2:00 PM	15.0	266.3	2.8	371.0	12.3	98.2	284.4	77.2
Jul 6, 3:00 PM	15.1	250.4	2.7	349.0	12.1	98.2	284.1	76.5
Jul 6, 4:00 PM	15.6	234.4	2.7	329.0	12.3	98.2	284.7	77.3
Jul 6, 5:00 PM	15.0	239.4	2.7	333.0	12.2	98.2	283.9	76.9
Jul 6, 6:00 PM	15.0	239.1	2.7	332.0	12.1	98.2	284.1	76.3
Jul 6, 7:00 PM	15.5	238.4	2.8	336.0	12.3	98.3	285.2	77.6
Jul 6, 8:00 PM	14.9	245.2	2.8	342.0	12.2	98.3	284.5	76.7
Jul 6, 9:00 PM	14.9	253.0	2.8	352.0	12.2	98.4	284.9	77.0
Jul 6, 10:00 PM	15.0	256.4	2.8	357.0	12.3	98.4	285.2	77.8
Jul 6, 11:00 PM	15.6	247.2	2.7	347.0	12.7	98.5	286.0	80.0
Jul 7, 12:00 AM	14.9	236.2	2.9	332.0	12.7	98.6	286.6	80.1
Jul 7, 1:00 AM	14.9	228.2	2.9	320.0	12.7	98.6	286.3	80.0
Jul 7, 2:00 AM	14.9	243.3	2.8	339.0	12.5	98.6	286.1	79.0
Jul 7, 3:00 AM	14.9	250.8	2.8	349.0	12.5	98.6	285.9	79.1
Jul 7, 4:00 AM	15.5	237.7	2.8	334.0	12.7	98.6	286.7	80.2
Jul 7, 5:00 AM	14.9	240.2	2.8	334.0	12.5	98.6	286.1	78.8
Jul 7, 6:00 AM	14.8	233.9	2.8	325.0	12.4	98.7	285.4	78.4
Jul 7, 7:00 AM	15.5	229.9	2.8	322.0	12.6	98.7	286.1	79.6
Jul 7, 8:00 AM	14.9	235.5	2.8	327.0	12.4	98.7	285.3	78.2
Jul 7, 9:00 AM	14.9	233.6	2.7	324.0	12.3	98.7	285.4	78.1
Jul 7, 10:00 AM	14.9	237.0	2.8	330.0	12.3	98.7	285.4	77.6
Jul 7, 11:00 AM	14.9	227.2	2.8	316.0	12.3	98.8	285.2	77.8
Jul 7, 12:00 PM	15.6	230.2	2.8	323.0	12.5	98.8	286.1	78.8
Jul 7, 1:00 PM	15.0	234.3	2.8	327.0	12.3	98.8	284.9	77.7
Jul 7, 2:00 PM	14.9	242.3	2.8	337.0	12.2	98.8	285.1	77.4
Jul 7, 3:00 PM	15.0	246.6	2.7	343.0	12.3	98.8	285.1	77.8
Jul 7, 4:00 PM	15.2	240.9	2.8	336.0	12.3	98.8	285.6	77.9
Jul 7, 5:00 PM	15.3	242.1	2.8	339.0	12.4	98.7	285.6	78.3
Jul 7, 6:00 PM	14.7	262.9	2.9	367.0	12.3	98.7	285.5	78.0

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 7, 7:00 PM	14.8	258.6	2.8	359.0	12.2	98.7	285.3	77.2
Jul 7, 8:00 PM	14.9	257.1	2.8	358.0	12.3	98.7	285.8	78.0
Jul 7, 9:00 PM	14.9	250.8	2.8	349.0	12.5	98.8	286.2	78.7
Jul 7, 10:00 PM	15.0	240.7	2.8	335.0	12.4	98.8	286.3	78.4
Jul 7, 11:00 PM	15.6	236.6	2.8	333.0	12.7	98.8	287.3	80.0
Jul 8, 12:00 AM	15.0	244.9	2.8	342.0	12.5	98.8	286.2	78.9
Jul 8, 1:00 AM	15.0	242.7	2.8	338.0	12.5	98.8	286.2	78.8
Jul 8, 2:00 AM	15.0	238.0	2.8	332.0	12.4	98.7	286.1	78.6
Jul 8, 3:00 AM	14.9	224.4	2.8	312.0	12.5	98.7	286.0	78.8
Jul 8, 4:00 AM	15.6	207.3	2.8	292.0	12.4	98.8	286.1	78.6
Jul 8, 5:00 AM	15.2	186.4	2.8	262.0	12.2	98.8	284.7	77.4
Jul 8, 6:00 AM	16.0	165.7	2.8	234.0	12.3	98.8	284.8	77.8
Jul 8, 7:00 AM	15.3	167.9	2.9	237.0	12.2	98.9	284.3	77.3
Jul 8, 8:00 AM	14.9	180.9	5.6	313.0	12.2	98.8	284.3	77.1
Jul 8, 9:00 AM	15.0	149.7	2.9	207.1	12.0	98.8	283.9	76.1
Jul 8, 10:00 AM	15.0	172.0	3.0	242.9	12.0	98.8	283.8	76.3
Jul 8, 11:00 AM	15.1	302.0	2.9	424.2	12.3	98.8	285.4	77.6
Jul 8, 12:00 PM	15.2	352.1	2.9	496.9	12.5	98.8	285.8	78.9
Jul 8, 1:00 PM	14.6	372.6	2.9	520.4	12.2	98.8	284.1	77.4
Jul 8, 2:00 PM	14.6	377.5	2.9	527.0	12.1	98.8	283.8	77.1
Jul 8, 3:00 PM	15.2	375.8	2.8	527.0	12.2	98.7	284.2	77.5
Jul 8, 4:00 PM	14.5	379.2	3.0	533.3	12.2	98.7	284.2	77.2
Jul 8, 5:00 PM	14.6	384.4	2.9	537.6	12.2	98.6	284.1	76.9
Jul 8, 6:00 PM	14.6	381.6	2.9	533.4	12.3	98.6	284.0	77.8
Jul 8, 7:00 PM	15.4	373.1	2.8	525.1	12.3	98.5	284.6	77.9
Jul 8, 8:00 PM	14.9	362.8	3.0	512.1	12.4	98.6	284.6	78.4
Jul 8, 9:00 PM	15.0	375.1	3.0	528.9	12.2	98.6	282.8	77.4
Jul 8, 10:00 PM	15.0	374.3	2.9	526.7	12.5	98.6	283.8	79.0
Jul 8, 11:00 PM	14.8	381.9	2.9	535.8	12.7	98.6	286.0	80.3
Jul 9, 12:00 AM	15.4	387.1	2.9	548.9	12.8	98.6	286.6	80.5
Jul 9, 1:00 AM	14.8	398.8	2.9	559.4	12.7	98.5	286.1	79.8
Jul 9, 2:00 AM	15.0	389.5	2.9	547.2	12.7	98.5	286.3	79.7
Jul 9, 3:00 AM	15.0 15.7	397.3	2.9 2.9	558.4 528.5	12.6 12.7	98.4 98.4	285.9 286.0	79.1 80.1
Jul 9, 4:00 AM Jul 9, 5:00 AM	15.1	372.1 377.3	2.9	531.3	12.7	98.4	285.1	78.7
Jul 9, 6:00 AM	15.3	361.8	2.9	510.1	12.5	98.4	285.2	76.7 79.6
Jul 9, 7:00 AM	15.6	383.3	2.9	543.0	12.7	98.4	285.9	79.0 79.9
Jul 9, 8:00 AM	15.1	396.1	2.9	559.0	12.7	98.4	285.2	79.5 79.1
Jul 9, 9:00 AM	15.1	402.2	2.9	566.0	12.5	98.4	285.3	78.6
Jul 9, 10:00 AM	15.1	317.4	2.9	446.6	12.3	98.4	284.1	77.7
Jul 9, 11:00 AM	15.5	348.0	2.8	490.9	12.1	98.4	283.7	76.7
Jul 9, 12:00 PM	15.5	407.1	2.9	576.6	12.1	98.4	283.5	76.3
Jul 9, 1:00 PM	16.0	392.5	2.8	557.2	12.4	98.4	284.6	78.5
Jul 9, 2:00 PM	15.5	401.0	2.9	566.3	12.1	98.4	283.0	76.8
Jul 9, 3:00 PM	16.1	396.9	2.8	562.7	12.2	98.4	283.3	77.5
Jul 9, 4:00 PM	15.3	406.3	3.0	576.9	12.3	98.4	283.5	77.5
Jul 9, 5:00 PM	15.2	417.1	3.0	589.8	12.3	98.3	283.6	77.5
Jul 9, 6:00 PM	15.7	419.2	2.9	593.0	12.7	98.3	284.5	79.8
Jul 9, 7:00 PM	15.1	423.1	2.9	596.8	12.4	98.3	284.1	78.3
Jul 9, 8:00 PM	15.0	424.4	3.0	598.4	12.1	98.3	282.0	77.0
Jul 9, 9:00 PM	15.1	420.1	2.9	592.5	12.4	98.3	284.1	78.2
Jul 9, 10:00 PM	15.1	418.6	2.9	589.7	12.5	98.3	284.3	78.6
Jul 9, 11:00 PM	15.7	412.4	2.9	583.3	12.6	98.3	284.4	79.3
Jul 10, 12:00 AM	15.3	403.8	3.0	573.9	12.6	98.2	285.3	79.0
Jul 10, 1:00 AM	15.1	415.6	2.9	585.4	12.5	98.2	284.7	78.8

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 10, 2:00 AM	15.1	408.5	2.9	574.6	12.5	98.0	284.8	78.6
Jul 10, 3:00 AM	15.1	410.2	2.9	577.6	12.6	97.9	284.6	79.1
Jul 10, 4:00 AM	15.8	397.0	2.9	564.6	12.8	97.9	285.7	80.0
Jul 10, 5:00 AM	15.1	399.4	2.9	563.6	12.6	97.7	284.5	79.1
Jul 10, 6:00 AM	15.4	399.7	2.9	564.2	12.6	97.6	284.3	79.1
Jul 10, 7:00 AM	15.3	386.5	2.9	547.3	12.7	97.7	284.0	79.6
Jul 10, 8:00 AM	15.0	390.3	3.0	551.1	12.6	97.6	283.4	78.7
Jul 10, 9:00 AM	15.0	384.8	2.9	542.1	12.4	97.6	283.4	77.8
Jul 10, 10:00 AM	15.0	379.2	3.1	539.0	12.4	97.6	282.8	77.8
Jul 10, 11:00 AM	15.1	370.9	2.9	523.3	12.3	97.5	282.5	77.1
Jul 10, 12:00 PM	15.1	366.4	3.0	517.7	12.3	97.5	282.3	77.2
Jul 10, 1:00 PM	15.8	378.1	2.9	535.9	12.4	97.5	282.5	78.0
Jul 10, 2:00 PM	15.2	372.2	3.0	527.9	12.1	97.5	281.8	75.8
Jul 10, 3:00 PM	15.3	369.8	2.9	521.8	12.0	97.4	281.1	75.4
Jul 10, 4:00 PM	15.9	362.2	2.9	516.1	12.2	97.5	282.2	76.4
Jul 10, 5:00 PM	15.1	366.1	2.8	513.7	12.0	97.5	281.6	75.7
Jul 10, 6:00 PM	15.2	363.0	2.8	508.2	12.0	97.5	281.6	75.5
Jul 10, 7:00 PM	15.6	354.5	2.8	499.2	12.3	97.6	282.9	77.3
Jul 10, 8:00 PM	15.0	355.3	2.9	498.2	12.1	97.6	282.0	76.3
Jul 10, 9:00 PM	15.0	361.3	2.8	505.5	12.3	97.6	282.2	77.3
Jul 10, 10:00 PM	15.0	362.0	2.8	506.0	12.3	97.6	282.2	77.1
Jul 10, 11:00 PM	15.0	366.5	2.8	512.3	12.3	97.6	282.5	77.3
Jul 11, 12:00 AM	15.0	370.0	2.9	519.2	12.4	97.6	283.0	77.6
Jul 11, 1:00 AM	15.7	359.9	2.8	508.3	12.6	97.6	283.6	78.8
Jul 11, 2:00 AM	15.0	369.2	2.8	515.8	12.5	97.6	283.2	78.5
Jul 11, 3:00 AM	15.3	367.3	2.8	514.5	12.4	97.7	283.0	78.0
Jul 11, 4:00 AM	15.4	364.8	2.9	515.2	12.5	97.8	283.1	78.6
Jul 11, 5:00 AM	14.9	371.4	2.8	519.5	12.4	97.9	282.3	78.3
Jul 11, 6:00 AM	15.1	364.5	2.8	509.9	12.4	98.0	282.5	78.3
Jul 11, 7:00 AM	15.3	362.0	2.9	508.9	12.4	98.1	282.8	78.3
Jul 11, 8:00 AM	14.8	368.9	2.9	516.5	12.3	98.3	282.2	77.8
Jul 11, 9:00 AM	14.9	373.2	2.8	521.5	12.3	98.4	282.2	78.2
Jul 11, 10:00 AM	14.9	369.3	2.9	517.0	12.3	98.4	283.2	78.1
Jul 11, 11:00 AM	14.9	372.6	2.8	520.4	12.2	98.5	282.2	77.4
Jul 11, 12:00 PM	15.6	364.0	2.8	513.8	12.4	98.6	283.1	78.5
Jul 11, 1:00 PM	14.9	376.2	2.8	525.2	12.1	98.6	282.0	76.7
Jul 11, 2:00 PM	15.0	367.3	2.8	513.1	12.1	98.7	282.4	77.0
Jul 11, 3:00 PM Jul 11, 4:00 PM	15.4 15.2	368.4 374.8	2.8 2.9	516.7	12.2 12.2	98.7 98.7	282.4 283.0	77.5 77.7
Jul 11, 5:00 PM	15.1	378.6	2.8	528.2 529.8	12.2	98.7	282.9	78.0
Jul 11, 6:00 PM	15.7	375.8	2.7	529.6	12.3	98.8	283.5	78.8
Jul 11, 7:00 PM	15.1	377.3	2.9	530.5	12.4	98.8	283.4	78.3
Jul 11, 8:00 PM	15.1	375.0	2.9	527.4	12.3	98.8	283.4	78.0
Jul 11, 9:00 PM	15.1	378.5	2.8	531.4	12.3	98.9	283.5	78.4
Jul 11, 10:00 PM	15.3	381.0	2.8	534.7	12.4	98.9	283.7	78.6
Jul 11, 11:00 PM	15.4	381.6	2.8	536.9	12.5	98.9	284.2	79.4
Jul 12, 12:00 AM	15.7	374.5	2.9	531.4	12.6	99.0	284.9	80.1
Jul 12, 1:00 AM	15.3	377.8	2.8	530.6	12.5	99.0	284.4	79.2
Jul 12, 2:00 AM	15.2	379.8	2.8	532.7	12.6	99.0	284.5	79.8
Jul 12, 3:00 AM	15.2	377.1	2.8	528.3	12.6	99.0	284.9	80.2
Jul 12, 4:00 AM	15.8	371.3	2.9	526.5	12.7	99.0	285.4	80.7
Jul 12, 5:00 AM	15.2	378.9	2.8	531.7	12.5	99.0	284.7	79.6
Jul 12, 6:00 AM	15.8	372.9	2.8	526.8	12.8	99.1	285.0	81.0
Jul 12, 7:00 AM	15.2	386.6	2.8	542.6	12.7	99.1	284.7	80.6
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Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 12, 8:00 AM	15.2	390.6	2.9	548.9	12.5	99.1	284.8	79.7
Jul 12, 9:00 AM	15.2	399.4	2.8	559.0	12.5	99.2	284.9	79.8
Jul 12, 10:00 AM	15.2	410.5	2.8	576.0	12.4	99.2	283.9	79.2
Jul 12, 11:00 AM	15.2	404.2	2.8	565.9	12.5	99.2	283.8	79.5
Jul 12, 12:00 PM	15.5	397.9	2.9	562.2	12.6	99.2	284.6	80.4
Jul 12, 1:00 PM	15.1	405.3	2.8	567.6	12.5	99.2	283.6	79.3
Jul 12, 2:00 PM	15.0	410.3	2.8	573.0	12.4	99.1	283.5	79.3
Jul 12, 3:00 PM	15.1	407.7	2.8	569.2	12.3	99.1	283.4	78.6
Jul 12, 4:00 PM	15.6	401.1	2.8	565.0	12.5	99.0	283.9	79.7
Jul 12, 5:00 PM	14.9	419.8	2.8	584.7	12.3	99.0	283.4	78.1
Jul 12, 6:00 PM	14.9	428.9	2.8	597.6	12.2	99.0	283.2	77.8
Jul 12, 7:00 PM	15.7	418.0	2.8	588.0	12.4	99.1	283.9	79.0
Jul 12, 8:00 PM	15.1	416.3	2.8	583.4	12.3	99.1	283.2	78.1
Jul 12, 9:00 PM	15.1	402.3	2.8	563.0	12.4	99.1	283.1	78.8
Jul 12, 10:00 PM	15.1	400.0	2.8	559.3	12.4	99.1	283.3	78.8
Jul 12, 11:00 PM	15.3	409.9	2.8	573.9	12.4	99.1	283.4	78.8
Jul 13, 12:00 AM	15.5	410.5	2.9	580.0	12.5	99.1	284.0	79.5
Jul 13, 1:00 AM	15.1	416.3	2.8	583.3	12.4	99.1	283.3	78.9
Jul 13, 2:00 AM	15.1	412.8	2.8	577.8	12.4	99.1	283.5	79.1
Jul 13, 3:00 AM	15.1	402.6	2.8	562.9	12.4	99.1	283.5	79.0
Jul 13, 4:00 AM	15.7	400.5	2.9	566.5	12.5	99.1	284.1	79.7
Jul 13, 5:00 AM	15.0	408.8	2.8	571.7	12.4	99.2	283.4	79.1
Jul 13, 6:00 AM	15.7	413.6	2.8	581.9	12.5	99.2	283.9	79.9
Jul 13, 7:00 AM	15.0	423.2	2.8	592.7	12.5	99.2	283.6	79.5
Jul 13, 8:00 AM	15.1	424.5	2.9	595.4	12.5	99.3	283.6	80.0
Jul 13, 9:00 AM	15.1	430.5	2.8	602.3	12.5	99.3	283.7	79.6
Jul 13, 10:00 AM	15.1	438.9	2.8	614.9	12.4	99.3	283.6	79.3
Jul 13, 11:00 AM	15.2	441.1	2.8	617.5	12.4	99.3	283.8	79.1
Jul 13, 12:00 PM	15.7	439.4	2.8	619.4	12.5	99.2	284.0	79.9
Jul 13, 1:00 PM	15.1	446.2	2.9	626.7	12.4	99.2	283.6	78.8
Jul 13, 2:00 PM	15.1	443.7	2.8	619.7	12.2	99.2	283.2	77.9
Jul 13, 3:00 PM	15.1	445.3	2.8	622.1	12.3	99.2	283.3	78.3
Jul 13, 4:00 PM	15.4	443.3	2.9	625.4	12.5	99.1	283.5	79.6
Jul 13, 5:00 PM	15.1	446.9	2.8	625.0	12.3	99.1	282.9	78.3
Jul 13, 6:00 PM	15.5	422.4	2.7	591.4	12.2	99.1	283.1	77.6
Jul 13, 7:00 PM	15.5	428.0	2.8	601.9	12.3	99.1	283.7	78.5
Jul 13, 8:00 PM	15.1	459.5	2.8	644.0	12.3	99.0	282.9	78.3
Jul 13, 9:00 PM	15.2	467.2	2.8	653.8	12.3	99.0	282.8	78.2
Jul 13, 10:00 PM	15.2	460.7	2.8	644.9	12.4	99.0	283.4	78.6
Jul 13, 11:00 PM	15.5	462.0	2.8	649.2	12.4	99.0	283.2	78.9
Jul 14, 12:00 AM	15.6	452.3	2.9	639.1	12.4	99.0	283.4	79.1
Jul 14, 1:00 AM	15.2	445.6	2.8	624.9	12.3	99.0	282.7	78.2
Jul 14, 2:00 AM	15.1	444.6	2.8	621.6	12.3	98.9	282.7	78.5
Jul 14, 3:00 AM	15.5	443.7	2.7	621.7	12.5	98.9	283.0	79.3
Jul 14, 4:00 AM	14.9	446.1	2.9	626.4	12.3	98.8	282.8	78.2
Jul 14, 5:00 AM	15.2	454.6	2.8	637.3	12.3	98.8	282.6	78.5
Jul 14, 6:00 AM	15.8	449.4	2.8	634.9	12.5	98.8	283.2	79.6
Jul 14, 7:00 AM	15.2	446.8	2.8	626.1	12.4	98.8	282.8	78.7
Jul 14, 8:00 AM	15.2	455.2	2.9	639.2	12.3	98.8	282.8	78.3
Jul 14, 9:00 AM	15.2	435.4	2.8	609.8	12.2	98.8	282.6	77.9
Jul 14, 10:00 AM	15.2	447.1	2.8	627.0	12.4	98.7	282.5	78.7
Jul 14, 11:00 AM	15.3	450.0	2.8	630.2	12.2	98.7	282.5	77.8
Jul 14, 12:00 PM	15.2	455.9	2.8	640.4	12.3	98.6	282.3	78.2
Jul 14, 1:00 PM	15.9	445.3	2.8	629.1	12.4	98.5	282.7	78.4

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 14, 2:00 PM	15.3	435.1	2.8	608.8	12.1	98.4	281.7	76.8
Jul 14, 3:00 PM	15.4	436.2	2.8	611.6	12.0	98.4	281.3	76.4
Jul 14, 4:00 PM	15.6	425.9	2.8	600.7	12.3	98.4	282.1	77.9
Jul 14, 5:00 PM	15.3	412.5	2.8	577.8	12.0	98.4	281.4	76.2
Jul 14, 6:00 PM	15.8	433.0	2.7	607.7	12.1	98.3	280.9	76.7
Jul 14, 7:00 PM	15.5	426.3	2.8	600.0	12.0	98.3	281.4	76.3
Jul 14, 8:00 PM	15.4	425.6	2.8	597.4	12.1	98.3	281.0	76.5
Jul 14, 9:00 PM	15.4	432.3	2.8	605.8	12.1	98.3	281.6	76.5
Jul 14, 10:00 PM	15.4	432.6	2.8	606.0	12.2	98.2	282.3	77.1
Jul 14, 11:00 PM	15.4	421.3	2.8	589.8	12.3	98.2	282.7	77.5
Jul 15, 12:00 AM	16.0	404.1	2.8	572.6	12.2	98.2	282.7	77.3
Jul 15, 1:00 AM	15.4	405.0	2.8	568.4	12.1	98.2	281.6	76.8
Jul 15, 2:00 AM	15.4	411.9	2.8	577.4	12.1	98.2	281.8	76.4
Jul 15, 3:00 AM	15.6	411.1	2.8	577.2	12.2	98.2	281.8	77.4
Jul 15, 4:00 AM	15.9	399.7	2.8	565.3	12.2	98.1	282.0	77.0
Jul 15, 5:00 AM	15.5	381.0	2.8	536.1	12.1	98.2	281.4	76.8
Jul 15, 6:00 AM	16.3	355.0	2.8	505.8	12.3	98.2	282.7	77.8
Jul 15, 7:00 AM	15.7	331.7	2.8	468.9	12.1	98.2	281.9	76.3
Jul 15, 8:00 AM	15.7	319.8	2.9	453.1	12.1	98.2	281.9	76.3
Jul 15, 9:00 AM	15.8	255.8	2.8	361.9	12.0	98.2	282.1	75.7
Jul 15, 10:00 AM	15.8	227.9	2.9	322.9	12.1	98.2	282.2	76.3
Jul 15, 11:00 AM	15.7	234.6	2.9	332.0	12.1	98.1	282.3	76.6
Jul 15, 12:00 PM	15.7	231.5	2.8	326.5	12.4	98.0	284.3	77.8
Jul 15, 1:00 PM	16.3	240.6	2.8	341.9	12.5	98.0	284.2	78.6
Jul 15, 2:00 PM	15.6	252.6	2.9	357.5	12.3	97.8	282.5	77.6
Jul 15, 3:00 PM	15.4	252.7	2.8	355.1	12.7	97.5	281.8	79.5
Jul 15, 4:00 PM	15.3	247.0	3.0	351.0	12.1	97.8	279.7	76.3
Jul 15, 5:00 PM	15.6	244.5	2.9	345.3	12.0	97.8	281.2	75.8
Jul 15, 6:00 PM	15.5	244.0	2.9	344.5	12.2	97.9	281.9	76.8
Jul 15, 7:00 PM	16.0	238.9	2.8	338.6	12.3	97.9	282.7	77.8
Jul 15, 8:00 PM	15.4	232.1	3.0	329.2	12.3	98.0	282.5	77.4
Jul 15, 9:00 PM	15.3	238.5	2.9	336.5	12.3	98.0	281.9	77.5
Jul 15, 10:00 PM	15.2	237.9	2.9	335.9	12.3	98.0	282.1	77.6
Jul 15, 11:00 PM	15.1	239.3	3.0	338.8	12.4	98.0	282.6	78.5
Jul 16, 12:00 AM	14.8	228.0	3.4	330.5	12.8	97.9	283.8	80.8
Jul 16, 1:00 AM	15.1	252.4	3.1	358.9	12.7	97.9	283.4	79.6
Jul 16, 2:00 AM	15.1	269.2	2.9	378.5	12.4	97.8	282.6	78.3
Jul 16, 3:00 AM	15.1	272.0	2.9	382.7	12.4	97.7	282.7	78.2
Jul 16, 4:00 AM	15.0	271.0	2.9	382.0	12.4	97.7	282.6	78.1
Jul 16, 5:00 AM Jul 16, 6:00 AM	15.1	265.2	2.9	373.5	12.6	97.7	282.8	79.2
Jul 16, 7:00 AM	15.2	264.3	2.9 2.9	372.5	12.5 12.5	97.6	283.0 282.9	78.6 78.6
Jul 16, 8:00 AM	15.2 15.2	253.5 250.7	2.9	357.0 354.1	12.5	97.6 97.5	282.9	
Jul 16, 9:00 AM	15.2		2.9	357.5	12.5			78.5 77.8
Jul 16, 10:00 AM	15.2	254.1 238.2	2.9	335.8	12.4	97.5 97.5	282.8 283.0	77.5 77.5
Jul 16, 11:00 AM	15.4	236.2	2.9	320.9	12.4	97.5	283.6	77.5 77.9
Jul 16, 12:00 PM	15.3	232.6	2.9	328.7	11.9	97.7	281.8	74.9
Jul 16, 1:00 PM	15.3	232.5	2.9	327.2	11.6	97.8	278.5	74.9
Jul 16, 2:00 PM	15.2	231.4	2.9	326.0	11.5	97.9	278.1	73.3
Jul 16, 3:00 PM	15.3	223.3	2.9	314.9	11.8	97.9	279.4	75.1 75.1
Jul 16, 4:00 PM	15.3	228.4	2.9	323.3	12.2	97.9	282.3	76.9
Jul 16, 5:00 PM	15.3	241.6	2.9	340.8	12.2	97.9	282.7	77.1
Jul 16, 6:00 PM	15.2	248.2	2.9	349.7	12.3	97.9	282.9	77.2
Jul 16, 7:00 PM	15.9	252.8	2.9	359.4	12.4	97.9	283.3	78.0
22 2, 7.00	. 5.0		0	333.1		30	200.0	. 3.0

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 16, 8:00 PM	15.3	256.8	2.9	362.6	12.3	98.0	283.0	77.6
Jul 16, 9:00 PM	15.1	270.2	2.9	380.6	12.3	97.9	282.7	77.7
Jul 16, 10:00 PM	14.9	268.6	3.1	383.4	12.5	97.9	283.2	78.8
Jul 16, 11:00 PM	15.0	267.3	3.2	382.9	12.6	97.9	284.1	79.2
Jul 17, 12:00 AM	15.5	263.2	3.0	374.2	12.4	98.0	283.3	78.4
Jul 17, 1:00 AM	15.2	250.4	2.9	353.9	12.5	97.9	281.5	78.8
Jul 17, 2:00 AM	15.1	256.7	2.9	362.0	12.5	97.9	281.5	79.0
Jul 17, 3:00 AM	15.1	267.0	2.9	376.0	12.6	97.9	282.5	79.1
Jul 17, 4:00 AM	15.7	260.2	2.9	369.9	12.6	97.9	283.3	79.4
Jul 17, 5:00 AM	15.1	262.9	2.9	370.4	12.5	98.0	282.3	78.7
Jul 17, 6:00 AM	15.0	279.6	2.9	393.3	12.4	98.0	282.3	78.6
Jul 17, 7:00 AM	15.6	271.8	2.8	382.1	12.4	98.1	282.6	78.4
Jul 17, 8:00 AM	15.0	266.0	2.8	370.4	12.2	98.1	281.5	77.5
Jul 17, 9:00 AM	15.1	271.4	2.7	377.1	12.2	98.2	281.6	77.1
Jul 17, 10:00 AM	14.9	279.0	2.7	387.4	12.1	98.1	281.5	76.8
Jul 17, 11:00 AM	15.5	277.5	2.7	386.3	12.3	98.2	282.0	77.7
Jul 17, 12:00 PM	14.9	281.6	2.8	393.0	12.2	98.2	281.7	77.0
Jul 17, 1:00 PM	15.0	284.8	2.7	395.1	12.1	98.2	281.0	76.4
Jul 17, 2:00 PM	15.1	292.4	2.7	405.4	12.0	98.1	281.0	76.0
Jul 17, 3:00 PM	15.0	287.9	2.7	399.3	12.0	98.1	281.4	75.8
Jul 17, 4:00 PM	15.6	278.4	2.7	389.8	12.2	98.1	282.0	77.0
Jul 17, 5:00 PM	15.0	283.6	2.7	393.9	12.0	98.1	281.1	76.1
Jul 17, 6:00 PM	15.7	278.7	2.6	388.8	12.2	98.2	282.0	77.4
Jul 17, 7:00 PM	15.1	272.3	2.8	380.2	12.1	98.2	281.8	76.4
Jul 17, 8:00 PM	15.1	270.2	2.8	377.1	12.2	98.2	281.7	77.0
Jul 17, 9:00 PM	15.2	276.4	2.7	384.9	12.2	98.3	282.0	77.1
Jul 17, 10:00 PM	15.1	289.4	2.7	402.7	12.3	98.3	282.2	77.8
Jul 17, 11:00 PM	15.6	292.8	2.7	408.3	12.4	98.3	282.7	78.5
Jul 18, 12:00 AM	14.7	307.3	2.8	428.3	12.2	98.4	282.2	77.6
Jul 18, 1:00 AM	14.5	311.9	2.7	431.0	12.1	98.4	281.4	76.8
Jul 18, 2:00 AM	14.5	320.3	2.7	442.4	12.1	98.4	281.5	76.8
Jul 18, 3:00 AM	14.6	312.5	2.7	431.5	11.9	98.4	281.1	75.7
Jul 18, 4:00 AM	15.4	301.7	2.7	421.8	12.0	98.4	281.3	76.2
Jul 18, 5:00 AM	14.8	299.0	2.7	414.0	11.7	98.5	280.4	74.7
Jul 18, 6:00 AM	14.9	299.2	2.7	414.6	11.7	98.5	280.0	74.7
Jul 18, 7:00 AM	15.3	295.8	2.7	411.8	11.9	98.6	280.9	75.9
Jul 18, 8:00 AM	14.9	299.1	2.7	414.6	11.8	98.6	280.8	75.3
Jul 18, 9:00 AM	14.9	290.9	2.7	402.3	11.8	98.7	280.9	75.2
Jul 18, 10:00 AM	14.7	378.6	2.9	529.0	12.0	98.7	281.6	76.5
Jul 18, 11:00 AM	14.9	417.5	2.9	584.7	12.1	98.8	282.4	77.3
Jul 18, 12:00 PM	14.9	429.3	3.0	604.9	12.3	98.8	282.9	77.9
Jul 18, 1:00 PM	14.5	450.9	2.9	630.2	12.3	98.8	282.3	78.0
Jul 18, 2:00 PM	14.4	461.4	2.9	643.6	12.3	98.8	282.0	78.1
Jul 18, 3:00 PM	14.4	480.1	2.9	669.6	12.3	98.8	282.5	78.1
Jul 18, 4:00 PM	15.1	475.6	2.9	669.9	12.4	98.8	283.5	79.0
Jul 18, 5:00 PM	14.4	483.4	2.9	674.9	12.2	98.8	282.8	77.9
Jul 18, 6:00 PM	15.1	474.4	2.9	666.6	12.4	98.8	283.5	78.7
Jul 18, 7:00 PM	14.5	481.1	2.9	673.4	12.4	98.9	282.8	78.7
Jul 18, 8:00 PM	14.4	471.6	3.0	660.1	12.4	98.9	283.0	78.9
Jul 18, 9:00 PM	14.4	475.7	2.9	664.4	12.4	98.9	283.0	78.9
Jul 18, 10:00 PM	14.4	481.3	2.9	671.6	12.4	99.0	283.2	78.9
Jul 18, 11:00 PM	14.4	469.5	2.9	655.3	12.4	99.0	283.4	79.1
Jul 19, 12:00 AM	14.7	457.2	2.9	641.7	12.6	99.0	283.7	80.3
Jul 19, 1:00 AM	14.7	480.2	3.0	674.3	12.8	99.1	284.0	81.2

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 19, 2:00 AM	14.4	484.7	2.9	676.6	12.5	99.1	283.5	79.7
Jul 19, 3:00 AM	14.4	483.6	2.9	675.1	12.5	99.1	283.6	79.8
Jul 19, 4:00 AM	14.8	473.9	3.0	666.9	12.8	99.1	284.3	81.3
Jul 19, 5:00 AM	14.3	478.2	2.9	668.0	12.6	99.1	283.5	80.4
Jul 19, 6:00 AM	14.5	477.6	2.9	667.1	12.7	99.2	283.5	80.6
Jul 19, 7:00 AM	14.9	475.5	2.9	667.0	12.6	99.2	284.1	80.6
Jul 19, 8:00 AM	14.3	488.5	3.0	682.8	12.6	99.3	283.4	80.2
Jul 19, 9:00 AM	14.3	494.3	2.9	687.5	12.4	99.3	283.4	79.3
Jul 19, 10:00 AM	14.3	487.5	2.9	679.3	12.5	99.3	283.5	79.7
Jul 19, 11:00 AM	14.3	493.7	2.9	687.1	12.5	99.3	283.7	79.5
Jul 19, 12:00 PM	15.0	490.7	2.9	690.8	12.6	99.2	284.2	80.4
Jul 19, 1:00 PM	14.3	523.9	2.9	730.3	12.5	99.2	283.3	79.5
Jul 19, 2:00 PM	14.3	525.6	2.9	732.2	12.5	99.2	283.4	79.4
Jul 19, 3:00 PM	14.5	501.5	2.9	700.1	12.5	99.2	283.4	79.4
Jul 19, 4:00 PM	14.9	492.6	2.9	693.0	12.6	99.1	284.1	80.2
Jul 19, 5:00 PM	14.3	509.0	2.9	708.4	12.4	99.1	283.1	79.1
Jul 19, 6:00 PM	15.1	513.1	2.8	714.8	12.5	99.1	283.4	79.7
Jul 19, 7:00 PM	14.4	514.9	2.8	715.1	12.4	99.0	282.8	79.2
Jul 19, 8:00 PM	14.5	513.0	2.9	713.7	12.4	99.0	283.0	79.2
Jul 19, 9:00 PM	14.5	521.8	2.8	724.3	12.4	99.0	282.8	78.8
Jul 19, 10:00 PM	14.5	517.3	2.9	719.6	12.4	99.1	283.1	78.8
Jul 19, 11:00 PM	14.7	511.4	2.9	715.2	12.5	99.1	283.5	79.7
Jul 20, 12:00 AM	15.0	507.1	2.9	715.3	12.7	99.1	283.9	80.8
Jul 20, 1:00 AM	14.4	519.7	2.9	726.4	12.5	99.0	283.0	79.6
Jul 20, 2:00 AM	14.5	519.8	2.9	725.2	12.6	99.0	283.2	80.1
Jul 20, 3:00 AM	14.9	518.3	2.9	725.4	12.6	99.0	283.4	80.2
Jul 20, 4:00 AM	14.5	522.1	3.0	734.1	12.6	99.0	283.6	79.8
Jul 20, 5:00 AM	14.5	520.8	2.9	727.5	12.6	99.0	283.3	80.0
Jul 20, 6:00 AM	14.6	517.6	2.9	723.1	12.6	99.0	283.6	79.9
Jul 20, 7:00 AM	15.0	510.4	2.9	716.7	12.8	99.0	284.3	81.2
Jul 20, 8:00 AM	14.5	515.8	2.9	722.2	12.6	99.0	283.2	80.0
Jul 20, 9:00 AM	14.6	526.5	2.9	735.4	12.5	99.0	283.3	79.4
Jul 20, 10:00 AM	14.5	535.8	2.9	748.8	12.3	99.0	283.2	78.5
Jul 20, 11:00 AM	14.8	533.8	2.9	747.0	12.5	99.0	283.3	79.3
Jul 20, 12:00 PM	15.1	524.3	3.0	740.3	12.5	99.0	283.6	79.7
Jul 20, 1:00 PM	14.7	529.6	2.9	741.8	12.6	98.9	283.1	80.1
Jul 20, 2:00 PM	14.6	532.3	2.9	744.2	12.6	98.9	283.9	79.9
Jul 20, 3:00 PM	14.6	528.3	2.9	738.4	12.5	98.9	284.2	79.7
Jul 20, 4:00 PM	15.3	521.3	2.9	736.6	12.7	98.9	284.7	80.8
Jul 20, 5:00 PM	14.8	549.6	2.9	770.4	12.6	98.8	284.0	80.1
Jul 20, 6:00 PM	15.2	586.4	2.9	823.9	12.6	98.8	284.1	80.1
Jul 20, 7:00 PM	15.2	585.3	2.9	824.7	12.7	98.8	284.5	80.4
Jul 20, 8:00 PM	14.8	586.1	2.9	823.7	12.6	98.8	284.0	79.7
Jul 20, 9:00 PM	14.8	591.2	2.9	829.3	12.6	98.8	283.9	79.8
Jul 20, 10:00 PM	14.8	595.3	2.9	835.0	12.6	98.8	284.1	79.6
Jul 20, 11:00 PM	15.0	591.5	2.9	830.1	12.6	98.8	283.9	79.9
Jul 21, 12:00 AM	15.4	585.1	2.9	828.6	12.7	98.8	284.6	80.6
Jul 21, 1:00 AM	14.8	599.3	2.9	841.0	12.6	98.8	283.7	80.3
Jul 21, 2:00 AM	14.8	593.2	2.9	830.8	12.6	98.8	283.8	80.1
Jul 21, 3:00 AM	14.8	603.2	2.9	844.1	12.6	98.8	283.9	80.3
Jul 21, 4:00 AM	15.4	593.0	2.9	838.6	12.8	98.8	284.7	81.4
Jul 21, 5:00 AM	14.7	601.2	2.9	841.9	12.6	98.8	284.0	80.1
Jul 21, 6:00 AM	15.2	599.9	2.8	840.9	12.7	98.9	284.3	80.8
Jul 21, 7:00 AM	14.8	605.2	2.9	849.7	12.6	98.9	283.7	79.8

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O	SO2_wet	O2_wet	SO2	Stack Velocity	Stack Pressure	•	
	(%)	(PPM/hr)	(%Wet)	(Dry_O2corr) (PPM/hr)	(m/s)	(kPa)	(°C)	Flow (m³/sec)
Jul 21, 8:00 AM	14.6	610.7	2.9	855.9	12.5	98.9	283.0	79.7
Jul 21, 9:00 AM	14.7	607.9	2.9	851.2	12.5	98.9	283.2	79.6
Jul 21, 10:00 AM	14.7	605.4	2.9	849.9	12.4	98.9	283.0	79.0
Jul 21, 11:00 AM	14.8	613.9	2.9	859.9	12.4	98.9	283.2	79.2
Jul 21, 12:00 PM	14.8	603.5	2.9	848.0	12.4	98.9	283.4	78.9
Jul 21, 1:00 PM	15.4	587.1	2.9	831.1	12.6	98.9	283.7	80.3
Jul 21, 2:00 PM	14.8	579.2	3.0	816.8	12.4	98.9	282.8	79.1
Jul 21, 3:00 PM	14.8	570.8	3.0	805.0	12.5	98.9	282.7	79.4
Jul 21, 4:00 PM	15.5	557.6	2.9	791.5	12.5	98.8	283.6	79.5
Jul 21, 5:00 PM	15.0	559.3	2.9	784.1	12.2	98.8	282.4	77.7
Jul 21, 6:00 PM	15.1	553.0	2.9	775.9	12.2	98.8	282.5	77.6
Jul 21, 7:00 PM	15.7	544.9	2.9	771.1	12.2	98.8	282.4	77.7
Jul 21, 8:00 PM	15.1	547.7	2.9	772.2	12.2	98.8	282.2	77.3
Jul 21, 9:00 PM	15.1	561.4	2.9	789.9	12.3	98.8	282.6	78.2
Jul 21, 10:00 PM	15.1	566.1	2.9	795.6	12.3	98.8	282.9	78.0
Jul 21, 11:00 PM	15.3	572.3	2.9	805.4	12.4	98.8	283.2	78.9
Jul 22, 12:00 AM	15.5	563.4	3.0	799.8	12.5	98.8	283.8	79.2
Jul 22, 1:00 AM	15.0	576.9	2.9	811.4	12.4	98.9	283.0	78.6
Jul 22, 2:00 AM	15.0	566.5	2.9	795.2	12.4	98.8	283.1	78.9
Jul 22, 3:00 AM	14.8	559.4	2.9	783.5	12.4	98.8	283.2	78.7
Jul 22, 4:00 AM	15.3	553.5	2.9	782.3	12.5	98.8	283.8	79.3
Jul 22, 5:00 AM	14.6	563.2	2.9	787.7	12.4	98.7	283.4	78.7
Jul 22, 6:00 AM	15.2	561.8	2.9	791.2	12.5	98.8	284.4	79.5
Jul 22, 7:00 AM	14.6	571.7	3.0	801.7	12.5	98.8	283.8	79.0
Jul 22, 8:00 AM	14.7	570.9	2.9	800.2	12.5	98.8	283.8	79.0
Jul 22, 9:00 AM	14.9	570.9	2.9	800.1	12.6	98.8	283.9	79.7
Jul 22, 10:00 AM	15.1	573.4	2.9	807.1	12.5	98.8	284.0	79.3
Jul 22, 11:00 AM	15.2	576.0	2.9	809.6	12.5	98.8	284.3	79.5
Jul 22, 12:00 PM	15.8	572.8	2.9	815.9	12.7	98.7	285.1	80.5
Jul 22, 1:00 PM	15.1	593.7	2.9	835.0	12.5	98.7	283.9	79.4
Jul 22, 2:00 PM	15.1	575.0	2.9	807.5	12.5	98.6	283.7	78.9
Jul 22, 3:00 PM	15.5	568.5	2.8	801.4	12.6	98.6	283.8	79.5
Jul 22, 4:00 PM	15.0	561.0	3.0	794.5	12.5	98.6	284.1	79.3
Jul 22, 5:00 PM	15.0	568.5	2.9	799.2	12.5	98.5	283.6	79.4
Jul 22, 6:00 PM	15.1	569.3	2.9	801.2	12.3	98.5	283.2	78.2
Jul 22, 7:00 PM	15.8	562.7	2.9	798.3	12.7	98.5	283.9	80.2
Jul 22, 8:00 PM	15.1	562.1	3.0	797.7	12.6	98.5	283.6	79.9
Jul 22, 9:00 PM	15.2	569.8	2.9	804.1	12.5	98.5	283.5	79.5
Jul 22, 10:00 PM	15.0	562.3	2.9	790.0	12.4	98.6	283.0	78.9
Jul 22, 11:00 PM	15.4	553.7	2.8	779.0	12.5	98.6	283.2	79.2
Jul 23, 12:00 AM	15.0	550.7	3.1	782.1	12.6	98.6	283.5	79.9
Jul 23, 1:00 AM	14.7	558.4	3.0	787.3	12.6	98.6	283.3	79.6
Jul 23, 2:00 AM	14.6	566.5	3.0	796.2	12.6	98.6	283.2	79.7
Jul 23, 3:00 AM	14.7	565.4	2.9	791.5	12.5	98.6	283.0	79.4
Jul 23, 4:00 AM	15.3	556.5	3.0	789.2	12.8	98.6	283.8	81.0
Jul 23, 5:00 AM	14.6	559.2	3.0	786.5	12.7	98.7	283.7	80.7
Jul 23, 6:00 AM	14.9	556.3	3.0	783.7	12.8	98.7	284.2	80.8
Jul 23, 7:00 AM	15.0	555.7	3.0	785.3	12.9	98.7	284.8	81.6
Jul 23, 8:00 AM	14.6	565.2	3.0	797.3	12.7	98.8	284.3	80.4
Jul 23, 9:00 AM	14.6	565.6	3.0	795.5	12.7	98.8	284.3	80.5
Jul 23, 10:00 AM	14.7	562.4	3.0	792.3	12.6	98.9	284.3	79.8
Jul 23, 11:00 AM	14.7	561.0	3.0	789.2	12.7	98.9	284.8	80.3
Jul 23, 12:00 PM	15.3	547.8	3.0	776.8	12.8	98.9	284.8	80.9
Jul 23, 1:00 PM	14.8	552.6	2.9	774.2	12.4	98.8	283.3	78.5

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 23, 2:00 PM	14.9	549.9	2.9	769.7	12.5	98.8	283.4	79.1
Jul 23, 3:00 PM	15.3	543.2	2.8	763.3	12.4	98.8	283.3	78.9
Jul 23, 4:00 PM	15.0	535.2	3.0	758.0	12.4	98.8	284.0	78.8
Jul 23, 5:00 PM	14.9	547.3	2.9	767.0	12.3	98.7	283.3	78.0
Jul 23, 6:00 PM	15.4	545.1	2.8	765.7	12.3	98.7	283.6	78.3
Jul 23, 7:00 PM	14.9	545.6	3.1	775.3	12.5	98.7	283.5	79.6
Jul 23, 8:00 PM	15.0	530.8	3.1	754.2	12.4	98.7	283.1	78.9
Jul 23, 9:00 PM	15.1	534.7	3.0	757.2	12.5	98.8	283.2	79.7
Jul 23, 10:00 PM	15.1	535.3	3.0	757.9	12.6	98.8	283.9	80.0
Jul 23, 11:00 PM	15.1	541.7	3.0	766.8	12.6	98.8	284.0	80.0
Jul 24, 12:00 AM	15.8	532.2	3.0	760.3	12.6	98.8	284.2	79.9
Jul 24, 1:00 AM	15.0	538.1	3.1	768.0	12.8	98.8	284.6	80.8
Jul 24, 2:00 AM	15.2	542.3	3.0	768.7	12.5	98.7	283.2	79.4
Jul 24, 3:00 AM	15.5	541.7	3.0	769.9	12.6	98.7	283.3	79.6
Jul 24, 4:00 AM	15.2	535.4	3.2	768.3	12.7	98.6	284.1	80.3
Jul 24, 5:00 AM	15.1	546.4	3.0	774.1	12.5	98.6	283.1	79.5
Jul 24, 6:00 AM	15.7	537.6	3.0	766.9	12.6	98.7	283.7	80.1
Jul 24, 7:00 AM	15.2	545.7	3.0	774.0	12.5	98.7	282.9	79.1
Jul 24, 8:00 AM	15.2	544.1	3.0	773.5	12.5	98.7	283.0	79.5
Jul 24, 9:00 AM	15.2	550.9	3.0	781.6	12.5	98.7	282.9	79.6
Jul 24, 10:00 AM	15.2	553.7	3.0	786.2	12.4	98.7	282.8	79.0
Jul 24, 11:00 AM	15.1	552.2	3.0	781.5	12.4	98.7	283.1	78.8
Jul 24, 12:00 PM	15.8	535.0	3.0	763.5	12.4	98.7	283.2	79.0
Jul 24, 1:00 PM	15.4	541.3	3.0	772.3	12.3	98.7	283.1	78.4
Jul 24, 2:00 PM	15.2	547.4	3.0	776.3	12.4	98.6	282.4	78.5
Jul 24, 3:00 PM	15.3	547.3	3.0	776.1	12.5	98.7	282.6	79.2
Jul 24, 4:00 PM	15.4	535.0	3.0	762.1	12.4	98.6	283.4	78.7
Jul 24, 5:00 PM	15.1	550.7	2.9	777.2	12.2	98.6	282.3	77.4
Jul 24, 6:00 PM	15.2	551.3	2.9	775.7	12.2	98.7	282.8	77.5
Jul 24, 7:00 PM	15.6	526.6	2.9	747.0	12.3	98.7	283.1	78.2
Jul 24, 8:00 PM	15.0	526.9	2.9	742.4	12.1	98.8	282.4	76.9
Jul 24, 9:00 PM	15.0	529.3	2.9	744.4	12.1	98.8	282.2	77.1
Jul 24, 10:00 PM	14.9	534.7	2.9	750.8	12.3	98.9	282.7	78.0
Jul 24, 11:00 PM	15.5	532.3	2.9	753.7	12.5	98.9	283.4	79.2
Jul 25, 12:00 AM	14.7	538.5	3.1	761.3	12.4	98.9	283.2	79.1
Jul 25, 1:00 AM	14.7	539.2	3.0	759.7	12.5	99.0	283.2	79.4
Jul 25, 2:00 AM	14.6	548.5	3.0	772.0	12.5	99.0	283.4	79.7
Jul 25, 3:00 AM	14.6	524.8	3.0	738.5	12.4	98.9	282.9	78.9
Jul 25, 4:00 AM	15.5	473.2	3.0	673.5	12.2	98.9	282.8	77.9
Jul 25, 5:00 AM	14.9	427.9	3.0	603.9	11.9	99.0	281.8	76.2
Jul 25, 6:00 AM	15.5	395.0	3.0	561.4	12.1	99.0	282.1	76.9
Jul 25, 7:00 AM	15.0	386.0	3.0	545.1	11.8	99.1	281.0	75.2
Jul 25, 8:00 AM	15.0	362.9	3.0	513.4	11.8	99.1	281.4	75.6
Jul 25, 9:00 AM	14.9	306.4	3.0	432.0	11.8	99.2	281.3	75.2
Jul 25, 10:00 AM	14.9	255.8	3.0	360.9	11.8	99.2	280.9	75.6
Jul 25, 11:00 AM	14.8	257.8	3.0	363.0	11.9	99.2	281.4	76.2
Jul 25, 12:00 PM	15.1	254.1	3.0	359.3	12.1	99.2	282.0	77.1
Jul 25, 1:00 PM	15.2	248.7	3.0	352.5	12.2	99.2	283.1	78.0
Jul 25, 2:00 PM	14.8	257.4	3.0	362.8	12.1	99.2	282.5	77.2
Jul 25, 3:00 PM	14.9	264.5	3.0	373.1	12.1	99.1	282.5	77.5
Jul 25, 4:00 PM	15.5	263.5	3.0	375.1	12.3	99.1	283.2	78.3
Jul 25, 5:00 PM	14.9	266.8	3.0	376.8	12.2	99.1	282.6	77.6
Jul 25, 6:00 PM	15.0	287.3	3.0	406.0	12.4	99.1	283.0	78.9
Jul 25, 7:00 PM	15.6	299.9	3.0	426.4	12.6	99.1	284.2	80.1

Source: FCC Regenerator Overheard via CO Boiler



	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow
	(70)	(1.1.1.1.1.1)	(701101)	(PPM/hr)	(111/0)	(111 4)	(3)	(m³/sec)
Jul 25, 8:00 PM	14.6	314.8	3.0	444.3	12.4	99.1	283.4	79.2
Jul 25, 9:00 PM	14.5	310.6	3.0	436.8	12.4	99.2	283.2	79.3
Jul 25, 10:00 PM	14.5	282.1	3.0	397.3	12.1	99.2	281.8	77.6
Jul 25, 11:00 PM	14.5	248.2	3.0	349.6	12.1	99.2	281.4	77.6
Jul 26, 12:00 AM	15.1	255.4	3.0	362.2	12.5	99.3	283.6	79.7
Jul 26, 1:00 AM	14.5	265.5	3.0	373.1	12.4	99.3	283.4	78.9
Jul 26, 2:00 AM	14.5	262.9	3.0	369.2	12.3	99.3	283.5	78.5
Jul 26, 3:00 AM	14.6	254.6	3.0	357.8	12.3	99.3	283.4	78.8
Jul 26, 4:00 AM	15.2	247.2	3.0	351.0	12.5	99.3	284.2	79.6
Jul 26, 5:00 AM	14.7	251.0	3.0	353.2	12.3	99.3	283.8	78.5
Jul 26, 6:00 AM	14.7	252.1	3.0	354.7	12.4	99.3	283.7	79.2
Jul 26, 7:00 AM	15.3	251.9	2.9	356.1	12.6	99.4	284.1	80.1
Jul 26, 8:00 AM	14.6	263.8	3.1	372.8	12.4	99.4	283.8	79.4
Jul 26, 9:00 AM	14.8	264.6	3.0	372.6	12.3	99.4	283.6	78.8
Jul 26, 10:00 AM	14.6	264.2	3.0	371.6	12.3	99.4	283.6	78.3
Jul 26, 11:00 AM	14.8	260.8	3.0	367.3	12.3	99.4	283.7	78.5
Jul 26, 12:00 PM	15.4	256.4	2.9	363.3	12.3	99.4	283.6	78.5
Jul 26, 1:00 PM	14.7	257.1	3.0	363.3	12.2	99.3	282.9	78.1
Jul 26, 2:00 PM	14.7	254.0	3.0	357.5	12.2	99.3	282.2	78.1
Jul 26, 3:00 PM	15.3	253.1	2.9	357.4	12.4	99.2	282.6	79.3
Jul 26, 4:00 PM	14.8	264.3	2.9	371.5	12.3	99.2	283.0	78.4
Jul 26, 5:00 PM	14.7	269.2	2.9	376.4	12.3	99.2	282.4	78.3
Jul 26, 6:00 PM	15.5	267.2	2.8	376.6	12.5	99.2	283.2	80.0
Jul 26, 7:00 PM	14.8	270.3	2.9	379.2	12.3	99.2	282.4	78.7
Jul 26, 8:00 PM	14.8	270.5	2.9	380.4	12.3	99.1	282.3	78.6
Jul 26, 9:00 PM	14.8	270.2	2.9	379.1	12.3	99.2	282.6	78.6
Jul 26, 10:00 PM	14.8	266.2	2.9	372.9	12.3	99.2	282.6	78.7
Jul 26, 11:00 PM	15.6	260.7	2.9	368.3	12.5	99.2	283.5	79.9
Jul 27, 12:00 AM	14.8	255.8	3.0	360.2	12.4	99.2	282.4	79.0
Jul 27, 1:00 AM	14.8	257.5	2.9	361.2	12.4	99.2	282.3	79.1
Jul 27, 2:00 AM	14.8	257.5	2.9	361.1	12.4	99.2	282.3	79.3
Jul 27, 3:00 AM	14.8	257.7	2.9	361.2	12.4	99.2	282.5	78.9
Jul 27, 4:00 AM	15.7	241.1	2.9	342.3	12.6	99.2	283.2	80.4
Jul 27, 5:00 AM	14.8	245.6	2.9	344.5	12.3	99.2	281.8	78.9
Jul 27, 6:00 AM	14.8	242.9	2.9	340.5	12.4	99.2	281.9	79.2
Jul 27, 7:00 AM	15.6	237.7	2.9	336.3	12.5	99.3	282.5	80.2
Jul 27, 8:00 AM	14.9	247.9	2.9	348.1	12.2	99.3	281.4	78.3
Jul 27, 9:00 AM	14.9	253.4	2.9	354.7	12.2	99.3	281.4	78.5
Jul 27, 10:00 AM	14.9	256.9	2.9	360.2	12.2	99.3	281.4	78.1
Jul 27, 11:00 AM	15.6	256.9	2.8	362.4	12.5	99.3	282.3	79.7
Jul 27, 12:00 PM	14.8	259.6	2.9	364.8	12.2	99.3	281.6	77.9
Jul 27, 1:00 PM	14.7	261.4	2.9	365.3	12.1	99.3	281.2	77.3
Jul 27, 2:00 PM	14.7	256.7	2.9	358.5	12.2	99.2	281.3	78.0
Jul 27, 3:00 PM	15.0	249.4	2.8	349.1	12.1	99.2	281.3	77.6
Jul 27, 4:00 PM	15.2	240.2	2.9	338.8	12.2	99.2	282.1	78.2
Jul 27, 5:00 PM	14.7	239.5	2.9	334.5	12.0	99.1	281.3	76.9
Jul 27, 6:00 PM	15.2	230.5	2.8	322.6	12.1	99.1	281.6	77.5
Jul 27, 7:00 PM	14.8	217.7	2.9	305.4	12.1	99.1	281.8	77.2
Jul 27, 8:00 PM	14.6	218.3	2.9	305.1	12.1	99.0	281.2	77.3
Jul 27, 9:00 PM	14.6	220.9	2.9	308.2	12.1	99.0	281.2	77.0
Jul 27, 10:00 PM	14.6	228.3	2.9	318.5	12.1	99.0	281.6	77.4
Jul 27, 11:00 PM	15.5	228.7	2.8	322.5	12.3	99.0	282.5	78.4
Jul 28, 12:00 AM	15.0	227.0	2.9	319.7	12.2	99.1	281.7	77.6
Jul 28, 1:00 AM	15.1	248.6	2.9	350.3	12.3	99.1	281.9	78.6

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Jul 28, 2:00 AM	15.2	251.8	2.9	354.8	12.4	99.1	282.3	79.2
Jul 28, 3:00 AM	15.3	253.4	2.9	356.9	12.5	99.1	282.8	79.7
Jul 28, 4:00 AM	15.6	261.3	2.9	371.5	12.2	99.1	282.6	77.8
Jul 28, 5:00 AM	15.1	225.1	2.9	316.7	12.0	99.0	281.4	77.0
Jul 28, 6:00 AM	15.1	221.8	2.9	311.2	12.0	99.0	281.2	77.0
Jul 28, 7:00 AM	15.7	221.6	2.9	313.8	12.1	99.1	282.1	77.5
Jul 28, 8:00 AM	15.0	228.0	2.9	321.1	12.2	99.1	281.4	77.9
Jul 28, 9:00 AM	15.0	230.8	2.9	323.7	11.8	99.1	281.3	75.7
Jul 28, 10:00 AM	14.9	237.6	2.9	333.7	12.1	99.1	281.5	77.5
Jul 28, 11:00 AM	15.3	236.1	2.8	331.6	12.3	99.0	281.9	78.3
Jul 28, 12:00 PM	15.3	227.0	2.9	321.4	12.2	99.0	282.2	78.0
Jul 28, 1:00 PM	15.0	219.0	2.9	307.0	12.0	99.0	281.3	76.7
Jul 28, 2:00 PM	14.9	209.1	2.9	292.5	12.0	98.9	281.1	76.5
Jul 28, 3:00 PM	15.0	207.9	2.8	290.5	11.9	98.9	280.8	75.9
Jul 28, 4:00 PM	15.4	199.7	2.9	281.9	11.8	98.8	281.1	75.5
Jul 28, 5:00 PM	15.3	199.5	2.8	279.6	11.9	98.7	280.9	75.7
Jul 28, 6:00 PM	15.3	203.3	2.9	286.5	11.9	98.7	281.6	75.7
Jul 28, 7:00 PM	15.1	202.7	2.9	284.4	11.8	98.7	280.5	75.4
Jul 28, 8:00 PM	15.3	202.9	2.9	286.4	11.9	98.7	280.9	75.8
Jul 28, 9:00 PM	15.4	213.7	2.9	301.4	12.0	98.7	281.0	76.4
Jul 28, 10:00 PM	15.5	221.8	2.9	313.2	12.0	98.7	281.6	76.7
Jul 28, 11:00 PM	16.2	225.4	2.9	321.2	12.3	98.7	282.2	77.9
Jul 29, 12:00 AM	15.3	227.6	2.9	321.2	12.1	98.7	281.2	77.0
Jul 29, 1:00 AM	15.3	223.1	2.9	314.5	12.1	98.6	281.4	77.1
Jul 29, 2:00 AM	15.3	230.8	2.9	324.8	12.2	98.6	281.6	77.8
Jul 29, 3:00 AM	15.5	246.1	2.8	347.0	12.4	98.5	281.9	78.9
Jul 29, 4:00 AM	15.4	242.3	3.0	343.8	12.3	98.5	282.1	78.3
Jul 29, 5:00 AM	14.8	246.9	3.0	348.2	12.2	98.5	281.6	77.8
Jul 29, 6:00 AM	14.9	242.3	3.0	341.7	12.2	98.5	282.0	77.7
Jul 29, 7:00 AM	15.7	228.8	3.0	325.9	12.5	98.6	282.8	79.2
Jul 29, 8:00 AM	15.0	228.7	3.0	324.0	12.3	98.6	282.0	77.8
Jul 29, 9:00 AM	15.1	223.6	3.0	315.7	12.5	98.6	282.1	79.7
Jul 29, 10:00 AM	15.1	227.4	3.0	321.2	12.2	98.6	283.2	77.6
Jul 29, 11:00 AM	15.1	231.7	3.0	327.4	12.2	98.6	282.1	77.4
Jul 29, 12:00 PM	15.4	232.5	3.0	330.5	12.3	98.5	282.3	77.9
Jul 29, 1:00 PM	15.8	228.3	2.9	325.0	12.5	98.5	282.5	79.6
Jul 29, 2:00 PM	15.3	232.6	3.0	330.2	12.3	98.4	281.5	78.3
Jul 29, 3:00 PM	15.8	222.6	2.9	317.1	12.2	98.4	279.8	77.8
Jul 29, 4:00 PM	15.5	215.6	3.0	308.0	12.2	98.3	280.2	77.6
Jul 29, 5:00 PM	15.4	210.3	3.0	298.8	12.0	98.3	279.7	76.6
Jul 29, 6:00 PM	15.5	195.7	3.0	278.3	12.0	98.2	279.5	76.3
Jul 29, 7:00 PM	15.7	181.3	3.0	258.5	12.0	98.2	279.3	76.4
Jul 29, 8:00 PM	15.7	176.6	3.0	252.6	12.0	98.2	279.0	76.2
Jul 29, 9:00 PM	15.6	190.5	3.0	271.5	12.2	98.2	279.7	77.3
Jul 29, 10:00 PM	15.6	272.4	3.0	388.0	12.5	98.2	282.2	79.2
Jul 29, 11:00 PM	15.4	367.1	3.0	521.7	12.6	98.2	283.1	79.7
Jul 30, 12:00 AM	16.0	457.6	2.9	653.9	12.7	98.2	283.1	80.5
Jul 30, 1:00 AM	15.6	445.7	2.7	623.2	12.5	98.1	281.3	79.0
Jul 30, 2:00 AM	15.6	461.3	2.7	644.7	12.4	98.1	281.5	78.7
Jul 30, 3:00 AM	15.5	510.6	2.7	713.3	12.4	98.1	281.6	78.7
Jul 30, 4:00 AM	16.3	501.4	2.7	709.0	12.7	98.0	282.5	80.4
Jul 30, 5:00 AM	15.5	521.0	2.7	728.3	12.4	98.0	281.7	78.6
Jul 30, 6:00 AM	15.6	528.6	2.7	738.6	12.5	98.0	281.8	79.0
Jul 30, 7:00 AM	16.2	532.4	2.7	750.2	12.6	98.1	282.2	79.8

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow
				(PPM/hr)				(m³/sec)
Jul 30, 8:00 AM	15.6	529.1	2.8	744.4	12.3	98.1	281.0	78.1
Jul 30, 9:00 AM	15.5	491.3	2.9	694.7	12.6	98.1	282.1	79.6
Jul 30, 10:00 AM	15.4	496.4	2.9	701.7	12.6	98.0	282.0	79.3
Jul 30, 11:00 AM	15.9	485.9	2.8	687.5	12.6	98.0	282.2	79.6
Jul 30, 12:00 PM	15.6	470.9	3.0	671.0	12.6	98.0	282.5	79.3
Jul 30, 1:00 PM	15.4	458.3 421.4	2.9	647.2	12.6	98.0 97.9	282.7 283.5	79.4
Jul 30, 2:00 PM Jul 30, 3:00 PM	15.6 15.5	403.0	2.8 2.8	591.5 565.2	12.5 12.6	97.9	284.0	78.7 79.2
Jul 30, 4:00 PM	15.3	409.4	2.9	578.2	12.4	97.9	282.3	78.5
Jul 30, 5:00 PM	15.2	405.6	2.9	571.1	12.3	97.8	281.6	77.9
Jul 30, 6:00 PM	15.7	395.2	2.8	557.3	12.5	97.8	281.7	79.0
Jul 30, 7:00 PM	15.7	396.8	2.8	557.9	12.3	97.9	280.5	77.6
Jul 30, 8:00 PM	15.3	402.3	2.8	562.4	12.2	97.9	279.9	77.5
Jul 30, 9:00 PM	15.4	410.0	2.7	572.5	12.2	97.9	280.7	77.2
Jul 30, 10:00 PM	15.5	418.2	2.7	582.9	12.3	97.9	280.2	77.7
Jul 30, 11:00 PM	15.7	413.4	2.7	577.5	12.3	97.9	280.9	78.0
Jul 31, 12:00 AM	16.1	407.5	2.7	575.3	12.5	97.9	281.4	79.1
Jul 31, 1:00 AM	15.4	422.2	2.7	589.4	12.3	97.9	280.5	77.6
Jul 31, 2:00 AM	15.4	424.0	2.7	591.4	12.4	97.9	280.6	78.1
Jul 31, 3:00 AM	15.6	434.2	2.7	606.7	12.3	97.9	280.7	77.9
Jul 31, 4:00 AM	15.8	424.2	2.8	597.7	12.4	98.0	281.1	78.4
Jul 31, 5:00 AM	15.4	431.5	2.7	602.1	12.3	98.1	280.6	78.0
Jul 31, 6:00 AM	16.2	425.4	2.7	598.9	12.3	98.1	281.4	78.0
Jul 31, 7:00 AM	15.4	430.1	2.7	600.0	12.2	98.2	280.9	77.2
Jul 31, 8:00 AM	15.3	439.1	2.7	613.7	12.1	98.2	280.9	76.7
Jul 31, 9:00 AM	15.4	439.3	2.7	612.7	12.0	98.2	280.6	76.3
Jul 31, 10:00 AM	15.5	431.0	2.7	602.1	11.8	98.3	280.7	75.2
Jul 31, 11:00 AM	15.5	433.1	2.7	604.6	11.8	98.4	280.6	75.1
Jul 31, 12:00 PM	16.5	434.8	2.6	612.3	11.9	98.4	280.9	75.4
Jul 31, 1:00 PM	15.7	423.7	2.7	594.9	11.8	98.3	280.5	74.8
Jul 31, 2:00 PM	15.6	415.8	2.7	581.3	11.7	98.3	280.2	74.1
Jul 31, 3:00 PM	16.1	406.2	2.6	569.6	11.7	98.3	280.5	74.6
Jul 31, 4:00 PM	16.1	399.0	2.8	564.4	11.8	98.3	280.9	74.6
Jul 31, 5:00 PM	15.6	402.3	2.9	571.3	11.8	98.3	280.9	74.8
Jul 31, 6:00 PM	15.6	408.8	3.0	582.0	11.7	98.3	281.3	74.5
Jul 31, 7:00 PM	16.0	409.8	2.9	585.0	12.0	98.3	281.6	76.0
Jul 31, 8:00 PM	15.7	414.3	3.0	593.7	11.9	98.3	282.0	75.7
Jul 31, 9:00 PM	15.4	427.3	3.0	607.4	11.9	98.4	281.9	75.3
Jul 31, 10:00 PM	15.4	432.3	3.0	614.6	11.9	98.4	281.9	75.7
Jul 31, 11:00 PM	15.6	430.5	3.0	612.8	11.9	98.5	282.0	75.7
Aug 1, 12:00 AM	15.8	426.8	3.0	611.6	12.1	98.4	282.7	76.9
Aug 1, 1:00 AM	15.2	440.2	3.0	624.1	12.0	98.5	282.0	76.0
Aug 1, 2:00 AM	15.2	439.3	3.0	623.2	11.9	98.5	282.1	75.6
Aug 1, 3:00 AM	15.3	438.0	3.0	621.9	12.0	98.4	282.1	75.9
Aug 1, 4:00 AM	16.1	454.0	3.0	652.7	12.2	98.5	282.6	77.2
Aug 1, 5:00 AM	15.3	469.9	2.9	664.2	11.9	98.5	281.6	75.4
Aug 1, 6:00 AM Aug 1, 7:00 AM	16.2	453.1 456.9	2.8 2.8	641.7 641.6	11.9 11.8	98.5 98.5	282.1 281.2	75.8 75.1
Aug 1, 7:00 AM Aug 1, 8:00 AM	15.5 15.6	449.9		633.7	11.8	98.5	281.5	75.1 74.9
Aug 1, 8:00 AM Aug 1, 9:00 AM	15.6	460.6	2.8 2.8	647.6	11.8	98.6	281.5	74.9 75.1
Aug 1, 9.00 AM	15.7	450.6	2.8	635.1	11.8	98.6	281.3	75.1 74.9
Aug 1, 10:00 AM	15.8	445.7	2.8	627.7	11.7	98.6	281.3	74.9
Aug 1, 11:00 AW Aug 1, 12:00 PM	16.6	435.0	2.8	620.7	12.0	98.6	282.4	76.1
Aug 1, 1:00 PM	15.9	441.6	2.8	622.4	11.6	98.5	281.4	74.0
			2.0	522. 1	0	23.0	201.1	

Source: FCC Regenerator Overheard via CO Boiler



Aug 1, 200 PM	Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug. 1, 300 PM	Aug 1. 2:00 PM	15.8	451.3	2.8	,	11.6	98.5	280.5	73.6
Aug. 1, 4:00 PM	-	15.7	462.4	2.8	650.4	11.6	98.4	280.6	73.6
Aug 1, 600 PM	Aug 1, 4:00 PM	16.4	443.9	2.8	632.3	11.8	98.4	281.3	74.8
Aug 1, 6:00 PM 16.5 470.3 2.7 659.1 11.6 89.4 280.7 73.5 Aug 1, 7:00 PM 16.5 474.0 2.9 689.1 11.7 89.4 281.6 74.5 Aug 1, 1:00 PM 15.5 474.0 2.9 689.1 11.7 89.4 281.6 74.5 Aug 1, 1:00 PM 16.4 472.8 2.8 674.3 11.6 89.4 281.6 74.5 Aug 1, 1:00 PM 16.4 472.8 2.8 674.3 11.6 89.4 281.6 74.5 Aug 1, 1:00 PM 16.4 472.8 2.8 672.5 11.9 89.4 281.4 75.5 Aug 1, 1:00 PM 16.4 472.8 3.0 695.2 12.0 98.4 281.6 75.5 Aug 2, 1:00 AM 15.4 480.6 3.0 698.9 12.0 98.4 281.6 75.3 Aug 2, 1:00 AM 15.5 487.1 3.0 693.7 12.1 98.4 281.6 75.3 Aug 2, 2:00 AM 15.4 485.7 3.0 693.7 12.1 98.4 281.6 75.3 Aug 2, 2:00 AM 15.4 485.7 3.0 692.0 12.0 98.3 282.2 75.8 Aug 2, 2:00 AM 15.4 485.4 30.0 687.1 12.0 98.3 282.2 75.8 Aug 2, 2:00 AM 15.5 499.9 3.0 697.4 11.9 98.3 281.6 75.5 Aug 2, 2:00 AM 15.5 499.1 2.8 699.1 11.9 98.3 281.6 75.7 Aug 2, 2:00 AM 15.6 499.1 2.8 699.1 11.9 98.3 281.6 75.7 Aug 2, 2:00 AM 15.6 499.1 2.8 699.1 11.9 98.3 281.6 75.7 Aug 2, 2:00 AM 15.6 499.1 2.8 699.1 11.9 98.3 281.6 75.7 Aug 2, 2:00 AM 15.6 604.0 2.7 74.9 11.6 98.3 281.6 75.7 Aug 2, 2:00 AM 15.6 604.0 2.7 704.9 11.6 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 498.3 2.7 687.6 11.7 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 498.3 2.7 687.6 11.7 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 498.3 2.7 687.6 11.7 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 498.3 2.7 687.6 11.7 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 698.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 698.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 698.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 698.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 1:00 AM 15.4 608.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 2:00 PM 15.3 52.9 548.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 2:00 PM 15.4 608.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 2:00 PM 15.5 608.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 2:00 PM 15.4 608.8 2.7 709.4 11.6 98.3 280.5 73.4 Aug 2, 2:00 PM 15.5 608.8 2.7 709.4 11.6 98.3 270.9 74.4 Aug 2, 2:00 PM 15.4 608.8 2.7 709.4 11.6 98.3 270.9 74.4 Aug 2, 2:00 PM 15.5 608.8 2.7 709.	•								73.1
Aug1, 7:00 PM Aug1, 1:00 PM 16.4 488.8 2.7 651.3 11.8 98.4 281.6 74.5 Aug1, 1:00 PM 15.5 474.0 2.9 681.1 11.7 98.4 280.8 74.5 Aug1, 1:00 PM 16.4 472.8 2.8 674.3 11.6 98.4 280.8 74.5 Aug1, 1:00 PM 16.4 472.8 2.8 672.5 11.9 98.4 280.4 75.5 Aug1, 1:100 PM 16.4 497.9 3.0 605.2 12.0 98.4 281.1 76.1 Aug2, 1:00 AM 15.4 490.6 3.0 699.9 12.0 98.4 281.8 76.3 Aug2, 1:00 AM 15.5 497.1 3.0 693.7 12.1 98.4 282.5 76.7 Aug2, 2:00 AM 15.4 486.7 3.0 692.0 12.0 98.3 282.2 75.8 Aug2, 2:00 AM 15.4 488.4 3.0 687.1 12.0 98.3 282.2 75.8 Aug2, 2:00 AM 15.4 488.4 3.0 687.1 12.0 98.3 282.5 76.7 Aug2, 2:00 AM 15.5 499.9 3.0 697.4 11.9 98.3 282.5 76.7 Aug2, 2:00 AM 15.5 499.9 3.0 697.4 11.9 98.3 281.5 75.3 Aug2, 2:00 AM 15.5 499.1 12.8 12.8 12.1 98.3 281.5 75.3 Aug2, 2:00 AM 15.5 499.1 12.8 12.8 12.1 98.3 281.5 75.3 Aug2, 2:00 AM 15.5 499.1 12.8 12.8 12.1 98.3 281.5 75.3 Aug2, 2:00 AM 15.5 499.1 12.8 12.8 12.1 19.9 83.3 281.5 75.3 Aug2, 2:00 AM 15.5 604.0 2.7 749.9 11.6 98.3 280.6 74.3 Aug2, 1:00 AM 15.4 489.3 2.7 697.6 11.7 98.3 280.6 74.3 Aug2, 1:00 AM 15.5 604.0 2.7 749.9 11.6 98.3 280.6 74.3 Aug2, 2:00 AM 15.4 499.3 2.7 697.6 11.7 98.3 280.6 74.3 Aug2, 1:00 AM 15.4 499.3 2.7 697.6 11.7 98.3 280.6 74.4 Aug2, 1:00 AM 15.4 499.3 2.7 700.4 11.6 98.3 280.6 74.4 Aug2, 1:00 AM 15.4 499.3 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 1:00 AM 15.4 580.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00 AM 15.5 560.8 2.7 700.4 11.6 98.3 280.9 74.2 Aug2, 2:00									73.5
Aug 1, 800 PM	-			2.7					74.9
Aug 1, 900 PM Aug 1, 1000 PM 16.6 478.8 2.8 674.3 11.6 98.4 280.6 74.5 Aug 1, 11100 PM 15.4 472.8 3.0 688.2 12.0 98.4 281.1 78.3 Aug 2, 1200 AM 15.4 489.6 3.0 689.9 12.0 98.4 281.1 78.3 Aug 2, 1200 AM 15.4 489.6 3.0 689.9 12.0 98.4 281.1 78.3 Aug 2, 100 AM 15.4 489.6 3.0 689.7 12.1 98.4 282.5 78.3 Aug 2, 200 AM 15.4 488.7 3.0 682.0 12.0 98.3 281.2 75.8 Aug 2, 200 AM 15.4 488.7 3.0 686.3 12.1 98.3 282.5 76.8 Aug 2, 400 AM 16.1 477.1 3.0 686.3 12.1 98.3 282.5 76.8 Aug 2, 200 AM 15.4 489.4 3.0 689.5 11.9 98.3 281.6 76.5 Aug 2, 200 AM 15.4 489.4 3.0 689.5 11.9 98.3 281.6 76.5 Aug 2, 200 AM 15.5 489.4 3.0 689.5 11.9 98.3 281.6 76.5 Aug 2, 200 AM 15.5 489.4 3.0 689.5 11.9 98.3 281.6 76.5 Aug 2, 200 AM 15.5 489.4 3.0 689.5 11.9 98.3 281.6 75.5 Aug 2, 200 AM 15.5 507.9 2.7 711.8 11.7 98.3 280.6 74.1 Aug 2, 200 AM 15.5 507.9 2.7 711.8 11.7 98.3 280.6 74.1 Aug 2, 100 AM 15.4 499.3 2.7 697.6 11.7 98.3 280.6 74.4 Aug 2, 100 AM 15.4 499.3 2.7 697.6 11.7 98.3 280.6 74.4 Aug 2, 200 PM 15.3 500.9 2.7 724.4 11.7 41.7 98.3 280.4 74.2 Aug 2, 200 PM 15.3 500.9 2.7 724.4 11.7 98.3 280.9 74.4 Aug 2, 200 PM 15.3 500.9 2.7 724.4 11.7 98.3 280.9 74.4 Aug 2, 200 PM 15.3 500.9 15.4 500.9 15.4 500.9 15.4 500.9 15.4 500.9 15.5 507.9 2.7 724.4 11.7 98.3 280.9 74.4 Aug 2, 200 PM 15.3 500.9 15.4 500.9 15.4 500.9 15.5 500.9 2.7 724.4 11.7 98.3 280.4 74.1 74.9 2.20 PM 15.3 500.9 15.4 500.9 15.4 500.9 15.4 500.9 15.4 500.9 15.5 500.9 2.7 78.4 11.7 98.3 280.0 73.2 Aug 2, 200 PM 15.3 500.9 15.4 500.9 15.4 500.9 15.5 500.9 2.7 78.4 11.6 98.2 270.9 78.4 3.9 3.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0									74.3
Aug 1, 10:00 PM	Aug 1, 9:00 PM			2.8		11.6			74.0
Aug 1, 11:00 PM	-								75.9
Aug 2, 1200 AM 15.4 490.6 3.0 699.9 12.0 98.4 281.8 76.5 Aug 2, 200 AM 15.5 487.1 3.0 683.7 12.1 98.4 282.5 76.5 Aug 2, 200 AM 15.4 483.4 3.0 687.1 12.0 98.3 282.2 75.8 Aug 2, 300 AM 15.4 486.7 3.0 692.0 12.0 683.3 281.9 75.7 Aug 2, 400 AM 16.1 477.1 3.0 686.3 12.1 98.3 282.5 76.8 Aug 2, 500 AM 15.3 490.9 3.0 697.4 111.9 98.3 281.6 75.7 Aug 2, 400 AM 15.4 489.4 3.0 695.5 111.9 98.3 281.6 75.7 Aug 2, 700 AM 16.2 491.1 2.8 699.1 11.9 98.3 281.6 75.7 Aug 2, 700 AM 15.5 507.9 2.7 711.8 11.7 98.3 281.6 75.7 Aug 2, 900 AM 15.6 504.0 2.7 74.9 11.6 98.3 281.5 75.3 Aug 2, 900 AM 15.6 504.0 2.7 749.9 11.6 98.3 281.5 75.3 Aug 2, 1000 AM 15.5 507.9 2.7 771.8 11.7 98.3 280.4 74.4 Aug 2, 9100 AM 15.5 508.8 2.7 709.4 11.6 98.3 280.2 73.8 Aug 2, 1000 AM 15.4 508.8 2.7 709.4 11.6 98.3 280.2 73.8 Aug 2, 1000 PM 15.3 510.7 2.7 711.7 11.7 98.3 280.4 74.4 Aug 2, 200 PM 15.3 500.9 2.7 724.4 11.7 98.3 280.4 74.4 Aug 2, 200 PM 15.3 521.9 2.7 726.2 11.6 98.3 279.9 74.6 Aug 2, 400 PM 16.3 544.5 27 765.7 11.3 98.2 280.3 75.4 Aug 2, 400 PM 16.3 544.5 27 765.7 11.3 98.2 280.3 75.4 Aug 2, 400 PM 16.3 544.5 2.7 765.7 11.9 98.2 280.3 75.4 Aug 2, 400 PM 16.3 544.5 27 765.7 11.9 98.2 280.3 75.4 Aug 2, 400 PM 16.3 544.5 2.7 765.7 11.9 98.2 280.3 75.4 Aug 2, 600 PM 15.4 585.9 2.7 885.1 11.6 98.2 277.3 75.2 Aug 2, 600 PM 15.4 585.9 2.7 885.1 11.6 98.2 279.9 74.6 Aug 2, 600 PM 15.4 585.9 2.7 885.1 11.6 98.2 279.9 73.8 Aug 2, 800 PM 15.3 605.6 2.8 847.3 11.6 98.2 279.9 73.8 Aug 2, 100 PM 15.4 585.9 2.7 885.1 11.6 98.2 279.9 73.8 Aug 2, 100 PM 15.4 615.0 2.7 859.1 11.6 98.2 279.9 73.8 Aug 2, 100 PM 15.3 605.6 2.8 847.3 11.6 98.2 279.9 73.8 Aug 2, 100 PM 15.4 615.0 2.7 859.1 11.6 98.2 279.9 73.8 Aug 2, 100 PM 15.4 615.0 2.7 859.1 11.6 98.2 279.9 73.8 Aug 2, 100 PM 15.4 615.0 2.7 859.1 11.6 98.2 279.9 73.8 Aug 3, 100 AM 15.4 615.3 605.6 2.8 847.3 11.6 98.2 279.9 73.8 Aug 3, 100 AM 15.4 615.3 605.6 2.7 785.8 11.6 98.1 279.9 73.8 Aug 3, 100 AM 15.4 640.2 2.7 785.8 11.6 98.1 279.9 73.8 Aug 3, 100 AM 15.4 640.2 2.7 785.8 11.6 98.2 279.9 74.4 Aug 3, 100 AM	-	15.4	487.9	3.0	695.2	12.0	98.4	281.1	76.1
Aug 2, 200 AM	-	15.4	490.6	3.0	699.9	12.0	98.4	281.8	76.3
Aug 2, 200 AM 15.4 488.4 3.0 687.1 12.0 88.3 282.2 75.8 Aug 2, 300 AM 15.4 486.7 3.0 682.0 12.0 98.3 281.9 75.7 Aug 2, 400 AM 16.1 477.1 3.0 686.3 12.1 98.3 281.6 75.7 Aug 2, 400 AM 15.3 490.9 3.0 687.4 11.9 98.3 281.6 75.7 Aug 2, 600 AM 15.4 489.4 3.0 685.3 11.9 98.3 281.5 75.8 Aug 2, 700 AM 16.2 491.1 2.8 689.1 11.9 88.3 281.9 75.6 Aug 2, 700 AM 16.2 491.1 2.8 689.1 11.9 88.3 281.9 75.6 Aug 2, 700 AM 15.5 507.9 2.7 718.1 11.7 98.3 280.6 74.4 Aug 2, 900 AM 15.5 507.9 2.7 718.8 11.7 98.3 280.6 74.4 Aug 2, 900 AM 15.5 507.9 2.7 718.8 11.7 98.3 280.6 74.4 Aug 2, 900 AM 15.5 507.9 2.7 718.9 11.6 98.3 280.6 74.4 Aug 2, 100.0 AM 15.4 469.3 2.7 709.4 11.6 98.3 280.4 74.3 Aug 2, 110.0 AM 15.4 508.8 2.7 709.4 11.6 98.3 280.2 73.8 Aug 2, 120.0 PM 15.3 510.7 2.7 711.7 11.7 98.3 280.9 74.2 Aug 2, 100 PM 15.3 510.7 2.7 711.7 11.7 98.3 280.9 74.2 Aug 2, 200 PM 15.3 520.9 2.7 724.4 11.7 98.3 280.9 74.2 Aug 2, 300 PM 15.3 520.9 2.7 726.2 11.6 98.3 27.9 74.4 Aug 2, 300 PM 15.3 520.9 2.7 726.2 11.6 98.3 27.9 74.4 Aug 2, 300 PM 15.3 545.5 27 765.0 11.9 98.2 277.3 72.2 Aug 2, 400 PM 16.3 544.5 2.7 765.0 11.9 98.2 277.3 72.2 Aug 2, 400 PM 16.3 544.5 2.7 765.0 11.9 98.2 280.3 75.3 Aug 2, 400 PM 16.3 544.5 2.7 765.0 11.9 98.2 280.3 75.3 Aug 2, 400 PM 16.4 565.9 2.7 865.8 11.1 98.1 281.5 74.3 Aug 2, 700 PM 16.2 587.8 2.7 865.3 11.9 98.1 281.5 74.3 Aug 2, 700 PM 16.2 587.8 2.7 865.3 11.9 98.1 281.5 74.3 Aug 2, 700 PM 16.2 587.8 2.7 865.3 11.9 98.1 281.5 74.3 Aug 2, 700 PM 16.2 587.8 2.7 865.3 11.9 98.1 281.5 74.3 Aug 2, 100 PM 15.4 615.0 2.7 859.9 11.6 98.2 279.9 74.4 Aug 2, 700 PM 16.2 587.8 2.7 859.1 11.6 98.2 279.9 74.4 Aug 2, 700 PM 16.2 587.8 2.7 859.1 11.6 98.2 279.9 74.4 Aug 2, 700 PM 16.2 587.8 2.7 859.1 11.6 98.2 279.9 74.4 Aug 2, 700 PM 16.2 587.8 2.7 859.1 11.6 98.2 279.9 74.4 Aug 2, 700 PM 16.2 587.8 2.7 859.1 11.6 98.2 279.9 74.4 Aug 2, 700 PM 16.2 587.8 2.7 859.1 11.6 98.2 279.9 74.4 Aug 3, 700 AM 16.4 615.0 2.7 859.9 11.6 98.2 279.9 74.4 Aug 3, 700 AM 16.4 615.0 2.7 759.6 11.6 98.1 279.9 74.4 Aug 3, 700 AM 16.4 615.0 2.	-	15.5	487.1	3.0	693.7	12.1	98.4	282.5	76.7
Aug 2, 300 AM	-	15.4	483.4	3.0	687.1	12.0	98.3	282.2	75.8
Aug 2, 400 AM	-	15.4	486.7	3.0	692.0	12.0	98.3	281.9	75.7
Aug 2, 6:00 AM	-	16.1	477.1	3.0	686.3	12.1	98.3	282.5	76.8
Aug 2, 7:00 AM 16.2 491.1 2.8 699.1 11.9 98.3 281.9 75.6 Aug 2, 8:00 AM 15.5 507.9 2.7 711.8 11.7 98.3 280.6 74.1 Aug 2, 9:00 AM 15.6 504.0 2.7 704.9 11.6 98.3 280.5 73.8 Aug 2, 10:00 AM 15.4 499.3 2.7 697.6 11.7 98.3 280.4 74.2 Aug 2, 11:00 AM 15.4 508.8 2.7 709.4 11.6 98.3 280.4 74.2 Aug 2, 11:00 AM 15.4 508.8 2.7 709.4 11.6 98.3 280.4 74.2 Aug 2, 11:00 AM 15.3 510.7 2.7 711.7 11.7 98.3 280.9 74.2 Aug 2, 11:00 PM 15.3 50.9 2.7 726.2 11.6 98.3 279.9 74.4 Aug 2, 3:00 PM 15.3 521.9 2.7 726.2 11.6 98.3 279.9 74.4 Aug 2, 3:00 PM 15.3 521.9 2.7 726.2 11.6 98.3 279.9 74.4 Aug 2, 3:00 PM 15.3 521.9 2.7 765.7 11.3 98.2 277.3 72.3 Aug 2, 5:00 PM 15.4 508.8 2.7 765.7 11.3 98.2 277.3 72.3 Aug 2, 5:00 PM 15.4 508.9 2.7 767.0 11.9 98.2 280.3 75.5 Aug 2, 5:00 PM 15.4 508.9 2.7 815.7 11.7 98.1 281.5 74.3 Aug 2, 6:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 8:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 8:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 279.9 73.5 Aug 2, 9:00 PM 15.4 615.0 2.7 869.1 11.6 98.2 280.0 73.8 Aug 2, 9:00 PM 15.4 615.0 2.7 869.1 11.6 98.2 279.9 73.5 Aug 2, 9:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 279.9 73.5 Aug 2, 9:00 PM 15.4 615.0 2.7 869.1 11.6 98.2 279.9 73.5 Aug 2, 10:00 PM 15.4 615.0 2.7 869.1 11.6 98.2 279.9 73.5 Aug 2, 10:00 PM 15.4 615.0 2.7 869.1 11.6 98.2 279.9 73.5 Aug 3, 10:00 AM 15.4 615.0 2.7 869.1 11.6 98.2 279.9 73.5 Aug 3, 10:00 AM 15.4 615.0 2.7 865.3 11.7 98.2 279.9 74.4 Aug 3, 10:00 AM 15.4 696.0 2.7 866.3 11.7 98.2 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 869.1 11.6 98.2 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 869.1 11.6 98.2 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 869.0 11.6 98.2 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 786.6 11.6 98.1 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 786.6 11.6 98.1 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 786.6 11.6 98.1 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 786.4 11.6 98.2 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 786.4 11.6 98.2 279.9 74.4 Aug 3, 20:00 AM 15.4 680.0 2.7 786.4 11.6 98.2 279.9 74.4 Aug 3, 20:00 AM 15.4 640.0 2.7 78	Aug 2, 5:00 AM	15.3	490.9	3.0	697.4	11.9	98.3	281.6	75.7
Aug 2, 500 AM 15.5 507.9 2.7 711.8 11.7 98.3 280.6 74.1 Aug 2, 900 AM 15.6 504.0 2.7 704.9 11.6 98.3 280.5 73.8 Aug 2, 10:00 AM 15.4 499.3 2.7 697.6 11.7 98.3 280.4 74.2 Aug 2, 11:00 AM 15.4 508.8 2.7 709.4 11.6 98.3 280.2 73.8 Aug 2, 11:00 AM 15.3 501.7 2.7 711.7 11.7 98.3 280.9 74.2 Aug 2, 11:00 PM 15.3 50.9 2.7 724.4 11.7 98.3 280.9 74.2 Aug 2, 20:00 PM 15.3 521.9 2.7 724.4 11.7 98.3 280.9 74.2 Aug 2, 20:00 PM 15.3 521.9 2.7 726.2 11.6 98.3 279.9 74.0 Aug 2, 20:00 PM 15.3 521.9 2.7 726.2 11.6 98.3 279.9 74.0 Aug 2, 20:00 PM 15.3 544.5 2.7 767.0 11.9 98.2 277.3 72.3 Aug 2, 50:00 PM 15.4 595.9 2.7 815.7 11.7 98.1 281.5 74.2 Aug 2, 50:00 PM 15.4 595.9 2.7 815.7 11.7 98.1 281.5 74.3 Aug 2, 50:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.4 615.0 2.7 858.1 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.4 615.0 2.7 858.1 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 280.0 73.8 Aug 2, 50:00 PM 15.4 615.0 2.7 858.1 11.6 98.2 279.6 73.6 Aug 2, 10:00 PM 15.4 615.0 2.7 858.1 11.6 98.2 279.9 73.5 Aug 2, 50:00 Aug 2, 50:00 Aug 15.3 604.5 2.7 856.3 11.7 98.1 279.9 73.4 Aug 3, 10:00 Aug 15.3 604.5 2.7 856.3 11.7 98.1 279.9 73.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 832.8 11.7 98.1 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 832.8 11.7 98.1 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 832.8 11.7 98.1 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 832.8 11.7 98.1 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 832.8 11.7 98.1 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 832.8 11.7 98.1 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 759.6 11.6 98.2 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 759.6 11.6 98.2 278.9 74.4 Aug 3, 50:00 Aug 15.4 598.0 2.7 759.6 11.6 98.2 278.9 74.4 Aug 3, 50:00 Aug 15.4 590.0 2.7 759.6 11.6 98.2 278.8 74.4 Aug 3, 50:00 Aug 15.4 590.0 2.7 758.2 11.8 98.2 278.9	Aug 2, 6:00 AM	15.4	489.4	3.0	695.5	11.9	98.3	281.5	75.3
Aug 2, 9:00 AM	Aug 2, 7:00 AM	16.2	491.1	2.8	699.1	11.9	98.3	281.9	75.6
Aug 2, 10:00 AM	Aug 2, 8:00 AM	15.5	507.9	2.7	711.8	11.7	98.3	280.6	74.1
Aug 2, 11:00 AM 15.4 508.8 2.7 709.4 11.6 98.3 280.2 73.8 Aug 2, 12:00 PM 15.3 50.9 2.7 724.4 11.7 98.3 280.9 74.2 Aug 2, 10:00 PM 15.3 50.9 2.7 724.4 11.7 98.3 280.9 74.2 Aug 2, 2:00 PM 15.3 50.9 2.7 724.4 11.7 98.3 280.4 74.4 Aug 2, 2:00 PM 15.3 52.9 2.7 765.7 11.3 98.2 277.3 72.3 Aug 2, 4:00 PM 16.3 544.5 2.7 765.7 11.3 98.2 277.3 72.3 Aug 2, 4:00 PM 16.3 544.5 2.7 767.0 11.9 98.2 280.3 75.3 Aug 2, 5:00 PM 15.4 570.7 2.7 798.0 11.7 98.1 281.5 74.3 Aug 2, 7:00 PM 16.2 587.8 2.7 826.3 11.9 98.1 281.5 74.3 Aug 2, 7:00 PM 16.2 587.8 2.7 826.3 11.9 98.1 281.5 73.3 Aug 2, 8:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 279.6 73.6 Aug 2, 1:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.6 73.6 Aug 2, 1:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 1:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 1:00 PM 15.4 615.0 2.7 859.9 11.6 98.2 279.9 73.5 Aug 3, 1:200 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 73.5 Aug 3, 1:200 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 73.4 Aug 3, 1:200 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 73.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 279.9 74.4 Aug 3, 1:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.4 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 279.3 74.8 Aug 3, 2:00 AM 15.4 598.0 2.7 785.6 11.6 98.1 279.3 74.8 Aug 3, 5:00 AM 15.4 598.0 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 598.0 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 598.0 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 565.2 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 565.2 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 565.2 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 565.2 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 565.0 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 560.0 2.7 785.6 11.6 98.1 279.3 74.4 Aug 3, 5:00 AM 15.4 560.0 2.7 785.6 11.6 98.2 277.9 74.4 Aug 3, 5:00 AM 15.4 560.0 2.7 785.0 11.6 98.2 277.9 74.4 Aug 3, 5:00 AM 15.4 560.0 2.7 785.0 11.6 98.2 277.9 74.4 Aug 3, 5:00 AM 15.4 560.0 2.7 785.9 11.8 98.2 278	Aug 2, 9:00 AM	15.6	504.0	2.7	704.9	11.6	98.3	280.5	73.9
Aug 2, 12:00 PM 15.3 510.7 2.7 711.7 11.7 98.3 280.9 74.2 Aug 2, 1:00 PM 15.3 520.9 2.7 724.4 11.7 98.3 280.4 74.1 Aug 2, 2:00 PM 15.3 521.9 2.7 726.2 11.6 98.3 229.9 74.4 Aug 2, 3:00 PM 15.2 548.8 2.7 765.7 11.3 98.2 277.3 72.3 Aug 2, 6:00 PM 16.3 544.5 2.7 767.0 11.9 98.2 280.3 75.3 Aug 2, 6:00 PM 15.4 585.9 2.7 815.7 11.7 98.1 281.5 74.3 Aug 2, 7:00 PM 16.2 587.8 2.7 826.3 11.9 98.1 281.5 75.3 Aug 2, 10:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 279.6 73.6 Aug 2, 10:00 PM 15.4 617.3 2.7 858.1 11.6 98.2 279.9	Aug 2, 10:00 AM	15.4	499.3	2.7	697.6	11.7	98.3	280.4	74.3
Aug 2, 1:00 PM	Aug 2, 11:00 AM	15.4	508.8	2.7	709.4	11.6	98.3	280.2	73.8
Aug 2, 2:00 PM	Aug 2, 12:00 PM	15.3	510.7	2.7	711.7	11.7	98.3	280.9	74.2
Aug 2, 3:00 PM 15.2 548.8 2.7 765.7 11.3 98.2 277.3 72.3 Aug 2, 4:00 PM 16.3 544.5 2.7 767.0 11.9 98.2 280.3 75.5 Aug 2, 5:00 PM 15.4 570.7 2.7 796.0 11.7 98.2 281.3 74.0 Aug 2, 6:00 PM 15.4 585.9 2.7 815.7 11.7 98.1 281.5 74.3 Aug 2, 7:00 PM 16.2 587.8 2.7 826.3 11.9 98.1 281.5 75.3 Aug 2, 8:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 279.6 73.6 Aug 2, 9:00 PM 15.3 615.4 617.3 2.7 858.1 11.6 98.2 279.6 73.6 Aug 2, 10:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 11:00 PM 15.4 615.0 2.7 859.1 11.6 98.2 279.9 73.5 Aug 3, 1:00 AM 16.2 606.6 2.7 856.9 11.6 98.2 279.9 73.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 279.9 74.4 Aug 3, 1:00 AM 15.4 588.0 2.7 843.0 11.6 98.2 279.9 74.4 Aug 3, 1:00 AM 15.4 588.0 2.7 843.0 11.6 98.2 278.3 74.1 Aug 3, 2:00 AM 15.4 588.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 587.5 2.7 843.0 11.8 98.1 279.3 74.8 Aug 3, 3:00 AM 15.4 587.5 2.7 844.0 11.8 98.1 279.3 74.8 Aug 3, 3:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 279.9 73.5 Aug 3, 4:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 798.1 11.6 98.1 279.9 73.5 Aug 3, 7:00 AM 15.3 552.6 2.8 773.4 11.6 98.1 279.9 73.5 Aug 3, 7:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 73.8 Aug 3, 7:00 AM 15.4 565.2 2.7 798.1 11.6 98.1 279.9 73.5 Aug 3, 7:00 AM 15.4 565.2 2.7 798.1 11.6 98.2 277.9 74.1 Aug 3, 7:00 AM 15.4 565.2 2.7 798.1 11.6 98.2 277.9 74.1 Aug 3, 7:00 AM 15.4 565.2 2.7 798.1 11.6 98.2 277.9 74.1 Aug 3, 7:00 AM 15.4 565.2 2.7 758.1 11.6 98.2 277.9 74.1 Aug 3, 7:00 AM 15.4 560.0 2.7 753.1 11.6 98.2 277.9 74.1 Aug 3, 7:00 AM 15.4 560.0 2.7 753.1 11.6 98.2 278.8 75.2 Aug 3, 7:00 AM 15.4 560.0 2.7 753.1 11.6 98.2 278.8 75.2 Aug 3, 7:00 AM 15.4 560.0 2.7 753.1 11.6 98.2 278.8 75.2 Aug 3, 7:00 AM 15.4 560.0 2.7 753.1 11.6 98.2 278.8 75.2 Aug 3, 7:00 AM 15.4 560.0 2.7 753.1 11.6 98.2 278.8 75.2 Aug 3, 7:00 AM 15.4 560.0 2.7 753.1 11.6 98.2 278.8 75.2 Aug 3, 7:00 PM 15.3 559.9 2.7 759.4 11.5 98.2 278.2 77.9 74.1 Aug 3, 7:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 779.2 74.1 Aug 3, 7:00 PM 15.3 561.8 2.7 76	Aug 2, 1:00 PM	15.3	520.9	2.7	724.4	11.7	98.3	280.4	74.1
Aug 2, 4:00 PM 16.3 544.5 2.7 767.0 11.9 98.2 280.3 75.3 Aug 2, 5:00 PM 15.4 570.7 2.7 796.0 11.7 98.1 281.3 74.0 Aug 2, 6:00 PM 15.4 585.9 2.7 826.3 11.9 98.1 281.5 74.3 Aug 2, 8:00 PM 16.2 587.8 2.7 826.3 11.9 98.1 281.5 75.3 Aug 2, 8:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 10:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 279.6 73.6 Aug 2, 11:00 PM 15.4 617.3 2.7 855.9 11.6 98.2 280.0 73.7 Aug 3, 1:00 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 2:00 AM 15.4 598.0 2.7 843.0 11.6 98.2 278.3 7	Aug 2, 2:00 PM	15.3	521.9	2.7	726.2	11.6	98.3	279.9	74.0
Aug 2, 5:00 PM 15.4 570.7 2.7 796.0 11.7 98.2 281.3 74.0 Aug 2, 6:00 PM 15.4 585.9 2.7 815.7 11.7 98.1 281.5 74.3 Aug 2, 7:00 PM 16.2 587.8 2.7 826.3 11.9 98.1 281.5 75.3 Aug 2, 9:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 290.0 73.8 Aug 2, 9:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 279.6 73.6 Aug 2, 11:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 3, 12:00 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.3 604.5 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 4:00 AM 15.4 577.5 2.7 804.0 11.	Aug 2, 3:00 PM	15.2	548.8	2.7	765.7	11.3	98.2	277.3	72.3
Aug 2, 6:00 PM 15.4 585.9 2.7 815.7 11.7 98.1 281.5 74.3 Aug 2, 7:00 PM 16.2 587.8 2.7 826.3 11.9 98.1 281.5 75.3 Aug 2, 8:00 PM 15.3 665.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 8:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 279.6 73.8 Aug 2, 9:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 11:00 PM 15.4 615.0 2.7 855.9 11.6 98.2 279.9 73.5 Aug 3, 12:00 AM 16.2 666.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 279.9 74.4 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 4:00 AM 16.2 553.7 2.7 864.4 11.9 98.1 279.3 74.8 Aug 3, 4:00 AM 15.3 550.0 AM 15.3 550.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 277.9 73.9 Aug 3, 7:00 AM 15.4 560.0 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.4 560.0 2.7 75.4 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 560.0 2.7 754.7 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 560.0 2.7 754.7 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 560.0 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.4 560.0 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.4 560.0 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.4 560.0 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 9:00 AM 15.3 559.9 2.7 779.4 11.5 98.2 278.3 74.1 Aug 3, 9:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.3 73.5 Aug 3, 9:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.3 73.5 Aug 3, 9:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.3 73.5 Aug 3, 9:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 9:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 9:00 PM 15.3 561.8 2.7 762.8 11.8 98.2 279.2 75.0 Aug 3, 9:00 PM 16.1 541.1 2.7 767.5 11.5 98.2 278.2 73.5 Aug 3, 9:00 PM 16.1 541.1 2.7 767.5	Aug 2, 4:00 PM	16.3	544.5	2.7	767.0	11.9	98.2	280.3	75.3
Aug 2, 7:00 PM Aug 2, 8:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 9:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 279.6 73.6 Aug 2, 10:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 11:00 PM 15.4 615.0 2.7 855.9 11.6 98.2 279.9 73.6 Aug 2, 11:00 PM 16.2 606.6 2.7 855.9 11.6 98.2 279.9 73.4 Aug 3, 1:00 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 577.5 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 4:00 AM 15.2 555.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 279.4 75.4 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 775.9 11.8 98.2 278.0 73.9 Aug 3, 6:00 AM 15.4 565.0 2.7 775.9 11.8 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 560.0 2.7 775.9 11.8 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 560.0 2.7 775.9 11.8 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 775.9 11.8 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 775.9 11.8 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 775.9 11.8 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 775.9 11.8 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 776.7 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 560.0 2.7 776.7 11.6 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 776.7 11.6 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 776.7 11.6 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 776.7 11.6 98.2 277.9 74.1 Aug 3, 10:00 AM 15.3 561.4 2.7 779.4 11.5 98.2 278.0 73.5 Aug 3, 10:00 AM 15.3 561.4 2.7 779.4 11.5 98.2 278.0 73.5 Aug 3, 10:00 PM 15.3 561.4 2.7 779.4 11.5 98.2 278.0 73.5 Aug 3, 10:00 PM 15.3 561.4 2.7 779.4 11.5 98.2 278.0 73.5 Aug 3, 10:00 PM 15.3 561.4 2.7 779.4 11.5 98.2 278.0 74.1 Aug 3, 6:00 PM 15.3 561.4 2.7 779.4 11.6 98.2 278.0 74.1 Aug 3, 6:00 PM 15.3 561.4 2.7 779.9 11.7 98.1 279.1 74.1	Aug 2, 5:00 PM	15.4	570.7	2.7	796.0	11.7	98.2	281.3	74.0
Aug 2, 8:00 PM 15.3 605.6 2.8 847.3 11.6 98.2 280.0 73.8 Aug 2, 9:00 PM 15.3 615.4 27 888.1 11.6 98.2 279.6 73.6 Aug 2, 10:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 11:00 PM 15.4 615.0 2.7 859.1 11.6 98.2 280.0 73.7 Aug 2, 11:00 PM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 278.3 74.1 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 4:00 AM 16.2 553.7 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.8 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.8 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 8:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 8:00 AM 15.4 565.2 2.7 785.4 11.6 98.2 277.9 74.4 Aug 3, 8:00 AM 15.4 565.2 2.7 785.4 11.6 98.2 277.9 74.4 Aug 3, 8:00 AM 15.4 560.2 2.7 75.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.4 560.2 2.7 75.9 11.8 98.2 277.9 74.4 Aug 3, 8:00 AM 15.4 560.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 1:00 AM 15.4 560.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 1:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 1:00 AM 15.4 540.2 2.7 758.2 11.8 98.2 278.0 73.7 Aug 3, 1:00 AM 15.4 540.2 2.7 758.2 11.8 98.2 278.0 73.7 Aug 3, 1:00 AM 15.4 540.2 2.7 758.2 11.8 98.2 278.0 73.7 Aug 3, 1:00 AM 15.4 540.2 2.7 758.2 11.8 98.2 278.0 74.1 Aug 3, 1:00 AM 15.3 559.9 2.7 779.4 11.5 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.2 78.3 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.2 78.3 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.2 78.3 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.2 778.3 73.5 Aug 3, 3:00 PM 15.3 561.8 2.7 768.5 11.6 98.1 278.1 278.1 73.7 Aug 3, 6:00 PM 15.3 561.8 2.7 769.9 11.7 98.1 279.1 74.1	Aug 2, 6:00 PM	15.4	585.9	2.7	815.7	11.7	98.1	281.5	74.3
Aug 2, 9:00 PM 15.3 615.4 2.7 858.1 11.6 98.2 279.6 73.6 Aug 2, 10:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 11:00 PM 15.4 615.0 2.7 855.9 11.6 98.2 280.0 73.7 Aug 3, 1:00 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 278.3 74.1 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 577.5 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 5:00 AM 16.2 553.7 2.7 792.4 11.9 98.1 279.4 75.4 Aug 3, 6:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 7	Aug 2, 7:00 PM	16.2	587.8	2.7	826.3	11.9	98.1	281.5	75.3
Aug 2, 10:00 PM 15.4 617.3 2.7 859.1 11.6 98.2 279.9 73.5 Aug 2, 11:00 PM 15.4 615.0 2.7 855.9 11.6 98.2 280.0 73.7 Aug 3, 1:00 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 278.3 74.1 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 577.5 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 5:00 AM 16.2 553.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 7:00 AM 15.4 565.2 2.7 778.1 11.6 98.1 278.0 73.9 Aug 3, 9:00 AM 15.3 552.6 2.8 773.4 11.	Aug 2, 8:00 PM	15.3	605.6	2.8	847.3	11.6	98.2	280.0	73.8
Aug 2, 11:00 PM 15.4 615.0 2.7 855.9 11.6 98.2 280.0 73.7 Aug 3, 12:00 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 278.3 74.1 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 598.0 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 4:00 AM 16.2 553.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.4 560.2 2.7 767.3 11.	Aug 2, 9:00 PM	15.3	615.4	2.7	858.1	11.6	98.2	279.6	73.6
Aug 3, 12:00 AM 16.2 606.6 2.7 856.3 11.7 98.2 279.9 74.4 Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 278.3 74.1 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 577.5 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 4:00 AM 16.2 553.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.	Aug 2, 10:00 PM	15.4	617.3	2.7	859.1	11.6	98.2	279.9	73.5
Aug 3, 1:00 AM 15.3 604.5 2.7 843.0 11.6 98.2 278.3 74.1 Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 577.5 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 4:00 AM 16.2 553.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 277.9 73.9 Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.	Aug 2, 11:00 PM	15.4	615.0	2.7	855.9	11.6	98.2	280.0	73.7
Aug 3, 2:00 AM 15.4 598.0 2.7 832.8 11.7 98.1 278.8 74.6 Aug 3, 3:00 AM 15.4 577.5 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 4:00 AM 16.2 553.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 16.1 551.1 2.7 75.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 10:00 AM 15.4 560.0 2.7 754.7 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 11:00 AM 15.9 539.0 2.7 758.2 11.8 98.2 278.3 74.1 Aug 3, 12:00 PM 15.3 551.4 2.7 824.4 11.6 98.2 278.0 73.5 Aug 3, 10:00 PM 15.3 551.4 2.7 759.4 11.5 98.2 278.0 73.5 Aug 3, 10:00 PM 15.3 551.4 2.7 759.4 11.6 98.2 278.0 73.5 Aug 3, 10:00 PM 15.3 551.4 2.7 758.2 11.8 98.2 278.0 74.1 Aug 3, 10:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 763.7 11.8 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 763.7 11.8 98.2 278.3 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 4:00 PM 15.3 551.4 2.7 763.7 11.8 98.2 278.3 73.5 Aug 3, 4:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 279.1 74.1 Aug 3, 6:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 279.1 74.1 Aug 3, 6:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 279.1 74.1	Aug 3, 12:00 AM	16.2	606.6	2.7	856.3	11.7	98.2	279.9	74.4
Aug 3, 3:00 AM 15.4 577.5 2.7 804.0 11.8 98.1 279.3 74.8 Aug 3, 4:00 AM 16.2 553.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 9:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.3 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.3 591.4 2.7 758.2 11	Aug 3, 1:00 AM	15.3	604.5	2.7	843.0	11.6	98.2	278.3	74.1
Aug 3, 4:00 AM 16.2 553.7 2.7 782.4 11.9 98.1 279.4 75.4 Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.3 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11	Aug 3, 2:00 AM	15.4	598.0	2.7	832.8	11.7	98.1	278.8	74.6
Aug 3, 5:00 AM 15.3 570.2 2.7 795.6 11.6 98.1 277.9 73.9 Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11	Aug 3, 3:00 AM	15.4	577.5	2.7	804.0	11.8	98.1	279.3	74.8
Aug 3, 6:00 AM 15.4 565.2 2.7 788.1 11.6 98.1 278.0 73.9 Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.3 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 3:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11	Aug 3, 4:00 AM	16.2	553.7	2.7	782.4	11.9	98.1	279.4	75.4
Aug 3, 7:00 AM 16.1 551.1 2.7 775.9 11.8 98.2 278.8 75.2 Aug 3, 8:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.2 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 16.1 541.1 2.7 763.7 11	Aug 3, 5:00 AM	15.3	570.2	2.7	795.6	11.6	98.1	277.9	73.9
Aug 3, 8:00 AM 15.3 552.6 2.8 773.4 11.6 98.2 277.9 74.1 Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.3 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 5:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11	Aug 3, 6:00 AM	15.4		2.7	788.1	11.6	98.1	278.0	73.9
Aug 3, 9:00 AM 15.4 550.0 2.7 767.3 11.6 98.2 277.9 73.8 Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.3 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11	Aug 3, 7:00 AM	16.1	551.1	2.7	775.9	11.8	98.2	278.8	75.2
Aug 3, 10:00 AM 15.4 540.2 2.7 754.7 11.6 98.3 278.0 73.7 Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	Aug 3, 8:00 AM	15.3	552.6	2.8	773.4	11.6	98.2	277.9	74.1
Aug 3, 11:00 AM 15.4 540.2 2.7 753.1 11.6 98.2 278.3 74.1 Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	Aug 3, 9:00 AM	15.4	550.0	2.7	767.3	11.6	98.2	277.9	73.8
Aug 3, 12:00 PM 15.9 539.0 2.7 758.2 11.8 98.2 279.2 74.9 Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	Aug 3, 10:00 AM	15.4	540.2	2.7	754.7	11.6	98.3	278.0	73.7
Aug 3, 1:00 PM 15.3 591.4 2.7 824.4 11.6 98.2 278.0 74.1 Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	Aug 3, 11:00 AM	15.4	540.2	2.7	753.1	11.6	98.2	278.3	74.1
Aug 3, 2:00 PM 15.3 559.9 2.7 779.4 11.5 98.2 278.2 73.5 Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	Aug 3, 12:00 PM	15.9		2.7	758.2		98.2	279.2	74.9
Aug 3, 3:00 PM 15.3 551.4 2.7 767.5 11.5 98.2 278.3 73.5 Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	-								74.1
Aug 3, 4:00 PM 16.1 541.1 2.7 763.7 11.8 98.2 279.2 75.0 Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	•								73.5
Aug 3, 5:00 PM 15.3 561.8 2.7 782.8 11.6 98.1 278.1 73.7 Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	-								73.5
Aug 3, 6:00 PM 16.1 541.2 2.7 759.9 11.7 98.1 279.1 74.1	-								75.0
·	-								73.7
Aug 3, 7:00 PM 15.4 548.5 2.7 764.6 11.6 98.1 278.3 73.6	-								74.1
	Aug 3, 7:00 PM	15.4	548.5	2.7	764.6	11.6	98.1	278.3	73.6

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 3, 8:00 PM	15.4	553.2	2.7	773.0	11.6	98.1	278.6	74.0
Aug 3, 9:00 PM	15.3	551.4	2.7	767.7	11.7	98.2	279.5	74.3
Aug 3, 10:00 PM	15.1	559.3	2.7	776.5	11.7	98.2	279.5	74.2
Aug 3, 11:00 PM	15.9	544.2	2.6	760.8	11.8	98.2	280.5	75.1
Aug 4, 12:00 AM	15.0	553.3	2.8	773.5	11.8	98.2	279.9	74.9
Aug 4, 1:00 AM	15.1	575.4	2.7	800.2	11.8	98.3	279.5	75.1
Aug 4, 2:00 AM	15.1	569.1	2.7	790.4	11.8	98.3	279.9	75.1
Aug 4, 3:00 AM	15.0	563.0	2.7	781.7	11.8	98.3	280.0	74.9
Aug 4, 4:00 AM	15.9	549.5	2.7	771.1	11.9	98.3	280.8	75.8
Aug 4, 5:00 AM	15.0	560.7	2.7	778.6	11.8	98.3	279.6	75.2
Aug 4, 6:00 AM	15.1	553.0	2.7	767.6	11.6	98.3	279.5	74.0
Aug 4, 7:00 AM	15.9	539.2	2.7	755.6	11.9	98.4	280.2	75.4
Aug 4, 8:00 AM	15.1	553.2	2.7	769.9	11.7	98.4	279.4	74.6
Aug 4, 9:00 AM	15.2	556.0	2.7	772.0	11.6	98.5	279.3	74.3
Aug 4, 10:00 AM	15.2	548.9	2.7	763.9	11.6	98.5	279.4	74.1
Aug 4, 11:00 AM	15.4	556.3	2.7	773.8	11.5	98.5	279.0	73.2
Aug 4, 12:00 PM	15.8	549.7	2.7	771.7	11.5	98.5	279.4	73.6
Aug 4, 1:00 PM	15.2	562.2	2.7	781.3	11.4	98.6	278.4	72.8
Aug 4, 2:00 PM	15.2	566.5	2.7	786.7	11.4	98.6	278.6	72.7
Aug 4, 3:00 PM	15.1	564.9	2.7	783.8	11.3	98.6	278.8	72.4
Aug 4, 4:00 PM	16.1	555.8	2.7	781.7	11.5	98.6	279.2	73.3
Aug 4, 5:00 PM	15.3	584.0	2.7	812.6	11.3	98.6	278.3	72.4
Aug 4, 6:00 PM	15.3	625.6	2.7	870.4	11.5	98.6	278.8	73.3
Aug 4, 7:00 PM	16.1	611.5	2.7	859.1	11.6	98.6	279.6	74.3
Aug 4, 8:00 PM	15.3	606.6	2.8	848.9	11.5	98.6	279.1	73.7
Aug 4, 9:00 PM	15.3	598.1	2.7	834.5	11.6	98.6	279.5	74.2
Aug 4, 10:00 PM	15.3	614.4	2.7	856.5	11.7	98.7	279.6	74.4
Aug 4, 11:00 PM	15.5	612.8	2.7	855.7	11.7	98.7	279.8	74.5
Aug 5, 12:00 AM	16.0	595.8	2.7	838.5	11.8	98.7	280.4	75.4
Aug 5, 1:00 AM	15.3	603.1	2.7	840.6	11.6	98.7	279.6	74.2
Aug 5, 2:00 AM	15.4	597.7	2.7	834.3	11.7	98.7	279.6	74.6
Aug 5, 3:00 AM	15.5	579.3	2.7	808.4	11.7	98.6	279.8	74.6
Aug 5, 4:00 AM	16.1	567.7	2.7	801.7	11.9	98.6	280.5	75.6
Aug 5, 5:00 AM	15.2	586.1	2.7	815.9	11.6	98.6	279.4	74.0
Aug 5, 6:00 AM	15.8	579.3	2.6	809.8	11.7	98.5	279.8	74.5
Aug 5, 7:00 AM	15.5	582.4	2.7	815.6	11.8	98.5	279.8	75.0
Aug 5, 8:00 AM	15.6	584.9	2.7	818.1	11.7	98.6	279.4	74.9
Aug 5, 9:00 AM	15.6	583.1	2.7	814.3	11.8	98.6	279.6	75.0
Aug 5, 10:00 AM	15.3	588.8	2.7	821.2	11.6	98.6	279.6	73.9
Aug 5, 11:00 AM	15.3	581.7	2.7	809.5	11.5	98.6	279.2	73.7
Aug 5, 12:00 PM	16.3	562.5	2.7	793.2	11.7	98.6	279.7	74.3
Aug 5, 1:00 PM	15.6	560.3	2.7	781.8	11.4	98.5	278.6	72.6
Aug 5, 2:00 PM	15.7	552.5	2.7	772.6	11.5	98.5	278.7	73.2
Aug 5, 3:00 PM	15.9	540.5	2.7	758.2	11.6	98.4	278.8	73.9
Aug 5, 4:00 PM	16.5	529.0	2.7	748.5	11.8	98.5	279.9	75.0
Aug 5, 5:00 PM	15.6	546.3	2.7	764.1	11.5	98.5	279.0	73.6
Aug 5, 6:00 PM	16.3	532.5	2.7	750.8	11.8	98.4	280.0	74.9
Aug 5, 7:00 PM	15.5	532.3	2.7	743.8	11.5	98.5	279.1	73.6
Aug 5, 8:00 PM	15.5	537.8	2.7	753.2	11.6	98.5	279.3	74.3
Aug 5, 9:00 PM	15.5	541.5	2.7	757.3	11.6	98.5	279.3	74.1
Aug 5, 10:00 PM	15.5	545.9	2.7	762.8	11.6	98.5	279.3	74.2
Aug 5, 11:00 PM	15.5	545.6	2.7	762.3	11.6	98.6	279.2	73.9
Aug 6, 12:00 AM	16.0	537.5	2.7	756.6	11.8	98.6	280.3	75.1
Aug 6, 1:00 AM	15.3	552.3	2.7	770.6	11.6	98.5	278.8	73.9

Source: FCC Regenerator Overheard via CO Boiler



Aug. 6, 200 AM	Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 6, 400 AM	Aug 6, 2:00 AM	15.2	552.4	2.7	769.3	11.7	98.5	279.2	74.4
Aug 6, 400 AM	-	15.2	544.5	2.7	758.0	11.8	98.6	279.6	75.0
Aug 6, 600 MM	Aug 6, 4:00 AM	15.8	522.6	2.7	734.9	11.8	98.5	280.1	75.3
Aug 6, 600 MM	•								73.5
Aug 6, 2000 MM	=			2.7					72.9
Aug 6, 800 MM	-			2.7		11.5		278.8	73.5
Aug 6, 1000 AM	=	15.4	484.0	2.7	675.3	11.2	98.7	277.9	72.0
Aug 6, 1000 AM	•			2.7		11.2			72.0
Aug 6, 11:00 AM	=								72.4
Aug 6, 1200 PM 15.2 330.3 2.7 459.5 11.2 98.6 278.0 72.0 Aug 6, 200 PM 15.2 327.4 2.7 458.3 11.3 98.5 278.2 71.9 Aug 6, 200 PM 15.5 335.2 2.7 486.2 11.3 98.5 278.5 72.1 Aug 6, 300 PM 15.5 341.2 2.7 475.5 11.5 98.4 278.7 73.5 Aug 6, 400 PM 15.8 344.5 2.7 486.0 11.7 98.5 279.6 74.5 Aug 6, 500 PM 15.0 354.7 2.7 492.4 11.6 98.4 279.0 74.0 Aug 6, 500 PM 15.0 362.0 2.7 502.3 11.6 98.4 279.2 74.0 Aug 6, 500 PM 15.7 353.9 2.7 496.4 11.8 98.4 279.0 75.0 Aug 6, 500 PM 15.7 353.9 2.7 496.4 11.8 98.4 229.0 75.0 Aug 6, 500 PM 14.9 381.6 2.7 501.7 11.6 98.4 229.3 73.2 Aug 6, 900 PM 14.9 381.6 2.7 501.9 11.5 98.5 279.2 73.8 Aug 6, 11.00 PM 15.0 379.8 2.7 522.3 11.6 98.6 279.3 73.8 Aug 6, 11.00 PM 15.0 383.8 2.7 532.1 11.5 98.6 279.3 73.8 Aug 7, 1200 AM 15.6 379.8 2.7 532.1 11.5 98.6 279.3 73.8 Aug 7, 1200 AM 14.8 390.6 2.7 532.1 11.5 98.6 279.2 73.7 Aug 7, 200 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 15.6 384.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 15.6 384.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 15.6 384.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 15.6 384.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 15.6 384.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 15.6 384.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.1 73.3 Aug 7, 400 AM 14.8 394.1 2.7 541.1 11.5 98.5 279.3 73.8 Aug 7, 400 AM 14.8 394.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 400 AM 14.8 394.4 2.9 553.7 11.5 98.5 279.3 73.8 Aug 7, 100 AM 14.8 394.3 2.7 544.5 11.5 98.6 279.3 73.8 Aug 7, 100 AM 14.8 394.3 2.7 544.1 11.5 98.6 279.3 73.8 Aug 7, 100 AM 14.8 394.3 2.7 541.1 11.5 98.5 279.3 73.8 Aug 7, 100 AM 14.8 394.3 2.7 541.1 11.5 98.5 279.3 73.8 Aug 7, 100 AM 14.8 394.3 2.7 541.1 11.5 98.5 279.3 73.8 Aug 7, 100 AM 14.8 394.3 2.7 541.1 11.5 98.5 279.3 73.8 Aug 7, 100 AM 14.8 384.8 2.7 555.7 11.5 98.5 279.3 73.8 Aug 7, 100 AM 14.8 384.8 2.7 565.4 11.5 98.6 279.3 73.8 Aug 7, 100 PM 14.6 386.8 2.7 565.5 11.5 98.6 279.0 73.2 Aug 7, 100 PM 14.6 386.8 2.7 565.5 11.5 98.6 279.0 73.2 Aug 7, 100 PM 14.6 386.	=	16.1	319.8	2.7	449.0	11.3	98.7	278.4	72.6
Aug 6, 200 PM 15.5 335.2 2.7 465.2 11.3 98.5 278.5 72.1 Aug 6, 300 PM 15.5 341.2 2.7 475.5 11.5 98.4 278.7 73.5 Aug 6, 40.0 PM 15.8 341.2 2.7 475.5 11.5 98.4 278.7 73.5 Aug 6, 40.0 PM 15.0 354.7 2.7 482.4 11.6 98.4 279.0 74.0 Aug 6, 500 PM 15.0 362.0 2.7 502.3 11.6 98.4 279.2 74.0 Aug 6, 70.0 PM 15.7 363.3 2.7 485.4 11.8 98.4 280.0 75.0 Aug 6, 70.0 PM 15.7 363.3 2.7 485.4 11.8 98.4 280.0 75.0 Aug 6, 70.0 PM 14.9 361.6 2.7 501.9 11.5 98.5 279.2 73.6 Aug 6, 10.0 PM 14.9 368.6 2.7 510.9 11.5 98.5 279.2 73.6 Aug 6, 10.0 PM 15.0 376.5 2.7 522.3 11.6 98.6 279.3 73.8 Aug 6, 110.0 PM 15.0 376.5 2.7 522.3 11.6 98.6 279.3 73.8 Aug 7, 120.0 AM 15.6 379.8 2.7 532.1 11.7 98.6 278.9 73.2 Aug 7, 120.0 AM 15.6 379.8 2.7 532.1 11.7 98.6 279.2 73.7 Aug 7, 120.0 AM 14.8 380.6 2.7 537.7 11.5 98.5 279.2 73.7 Aug 7, 20.0 AM 14.8 380.6 2.7 537.7 11.5 98.5 279.2 73.7 Aug 7, 20.0 AM 14.8 380.6 2.7 538.1 11.5 98.5 279.3 73.3 Aug 7, 40.0 AM 15.6 379.8 2.7 537.7 11.5 98.5 279.3 73.3 Aug 7, 20.0 AM 14.8 380.6 2.7 540.5 11.5 98.5 279.3 73.3 Aug 7, 40.0 AM 15.6 384.6 2.7 538.1 11.5 98.5 279.3 73.3 Aug 7, 40.0 AM 15.6 384.6 2.7 538.1 11.5 98.5 279.3 73.3 Aug 7, 40.0 AM 15.6 384.6 2.7 538.1 11.5 98.5 279.3 73.3 Aug 7, 40.0 AM 15.6 384.6 2.7 538.1 11.5 98.5 279.3 73.3 Aug 7, 40.0 AM 14.8 380.6 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 40.0 AM 15.4 389.8 2.8 546.0 11.8 98.6 280.2 77.3 73.8 Aug 7, 70.0 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 70.0 AM 14.8 408.8 2.7 559.4 11.5 98.6 279.0 73.2 Aug 7, 10.0 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 10.0 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 10.0 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 10.0 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 10.0 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 10.0 PM 14.8 382.9 3.1 527.7 11.8 98.6 279.2 73.4 Aug 7, 10.0 PM 14.8 382.9 3.1 527.7 11.8 98.6 279.2 73.4 Aug 7, 10.0 PM 14.8 382.9 3.1 527.7 548.4 11.5 98.6 279.2 74.2 Aug 7, 10.0 PM 14.6 386.0 3.0 533.9 11.8 98.6 279.2 74.2 Aug 7, 10.0 PM 14.6 386.0 3.0 565.5 11.	=	15.2	330.3	2.7	459.5	11.2	98.6	278.0	72.0
Aug 6, 200 PM 15.5 335.2 2.7 465.2 11.3 98.5 278.5 72.1 Aug 6, 300 PM 15.5 341.2 2.7 475.5 11.5 98.4 278.7 73.5 Aug 6, 40.0 PM 15.8 344.5 2.7 486.0 11.7 98.5 279.6 74.5 Aug 6, 500 PM 15.0 354.7 2.7 482.4 11.6 98.4 279.0 74.0 Aug 6, 500 PM 15.0 362.0 2.7 502.3 11.6 98.4 279.0 74.0 Aug 6, 700 PM 15.7 353.9 2.7 489.4 11.8 98.4 280.0 75.0 Aug 6, 700 PM 15.7 353.9 2.7 489.4 11.8 98.4 280.0 75.0 Aug 6, 800 PM 14.9 381.6 2.7 501.7 11.6 98.4 279.3 73.9 Aug 6, 900 PM 14.9 381.6 2.7 501.9 11.5 98.5 279.2 73.6 Aug 6, 100 PM 15.0 376.5 2.7 522.3 11.6 98.6 279.3 73.8 Aug 6, 110.0 PM 15.0 376.5 2.7 522.3 11.6 98.6 279.3 73.8 Aug 7, 120 0.4 Aug 1.5 0.5 383.8 2.7 532.1 11.5 98.6 279.3 73.8 Aug 7, 120 0.4 Aug 1.5 0.5 383.8 2.7 532.1 11.5 98.6 279.3 73.8 Aug 7, 120 0.4 Aug 1.4 9 387.3 2.7 532.1 11.5 98.5 279.2 73.7 Aug 7, 20.0 Aug 1.4 9 387.3 2.7 532.1 11.5 98.5 279.2 74.7 Aug 7, 100 Aug 1.4 9 387.3 2.7 532.1 11.5 98.5 279.2 74.7 Aug 7, 200 Aug 1.4 8 380.6 2.7 537.7 11.5 98.5 279.3 73.3 Aug 7, 300 Aug 1.4 8 380.6 2.7 540.5 11.5 98.5 279.3 73.3 Aug 7, 400 Aug 1.5 0.4 40.7 1.0 Aug 1.	-	15.2	327.4	2.7	454.3	11.3	98.5	278.2	71.9
Aug 6, 3:00 PM	=	15.2	335.2	2.7	465.2	11.3	98.5	278.5	72.1
Aug 6, 400 PM	-	15.5	341.2	2.7	475.5	11.5	98.4	278.7	73.5
Aug 6, 800 PM	=	15.8	344.5	2.7	484.0	11.7	98.5	279.6	74.5
Aug 6, 7:00 PM	Aug 6, 5:00 PM	15.0	354.7	2.7	492.4	11.6	98.4	279.0	74.0
Aug 6,800 PM 14.9 361.6 2.7 501.7 11.6 98.4 279.3 73.8 Aug 6,900 PM 14.9 368.6 2.7 510.9 11.5 98.5 279.2 73.8 Aug 6,100 PM 15.0 376.5 2.7 522.3 11.6 98.6 278.9 73.8 Aug 6,110 PM 15.0 376.5 2.7 522.3 11.6 98.6 278.9 73.8 Aug 7,120 AM 15.6 379.8 2.7 531.2 11.7 98.6 280.2 74.7 Aug 7,100 AM 14.9 387.3 2.7 537.7 11.5 98.5 279.2 73.7 Aug 7,200 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.2 73.7 Aug 7,200 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.8 Aug 7,300 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.8 Aug 7,800 AM 15.6 384.6 2.7 538.1 11.7 98.5 280.1 74.5 Aug 7,800 AM 14.7 413.9 2.7 571.9 11.6 98.5 279.3 73.8 Aug 7,800 AM 14.7 413.9 2.7 571.9 11.6 98.5 279.3 73.8 Aug 7,700 AM 15.4 389.8 2.8 566.0 11.8 98.6 280.4 75.4 Aug 7,800 AM 14.7 389.4 2.8 553.7 11.5 98.6 279.0 73.2 Aug 7,900 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 416.8 2.7 577.5 11.5 98.6 279.0 73.2 Aug 7,100 AM 14.8 416.8 37.9 31.1 527.7 11.8 98.6 279.0 73.2 Aug 7,200 PM 14.8 389.3 3.0 536.7 11.7 98.6 279.5 75.1 Aug 7,200 PM 14.8 360.3 3.0 536.7 11.7 98.6 279.5 75.1 Aug 7,200 PM 14.6 360.3 3.0 533.9 11.8 98.6 279.5 74.4 Aug 7,200 PM 14.6 360.3 3.0 533.9 11.8 98.6 279.9 74.2 Aug 7,200 PM 14.6 360.3 3.0 542.8 11.7 98.6 279.0 73.2 Aug 7,200 PM 14.6 360.3 3.0 542.8 11.7 98.6 279.0 73.2 Aug 7,200 PM 14.6 360.3 3.0 542.8 11.7 98.6 279.0 73.2 Aug 7,200 PM 14.6 360.3 3.0 542.8 11.7 98.6 279.0 73.2 Aug 7,200 PM 14.6 360.3 3.0 542.8 11.9 98.5 280.5 76.2 Aug 7,200 PM 14.6 360.3 3.0 540.8 11.8 98.4 280.5 74.8 Aug 7,200 PM 14.6 363.5 2.8 540.1 11.5 98.5 279.5 74.2 Aug 7,200 PM 14.6 363.5 2.8 540.1 11.5 98.5 279.5 74.2 Aug 7,200 PM 14.6 363.5 2.7 556.5 11.8 98.4 280.0 74.8 Aug 8,200 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.0 74.8 Aug 8	Aug 6, 6:00 PM	15.0	362.0	2.7	502.3	11.6	98.4	279.2	74.0
Aug 6, 9:00 PM 14.9 368.6 2.7 510.9 11.5 98.5 279.2 73.6 Aug 6, 10:00 PM 15.0 376.5 2.7 522.3 11.6 98.6 279.3 73.8 Aug 6, 10:00 PM 15.0 383.8 2.7 532.1 11.5 98.6 278.9 73.2 Aug 7, 11:00 PM 15.0 383.8 2.7 532.1 11.5 98.6 278.9 73.2 Aug 7, 12:00 AM 15.6 379.8 2.7 531.2 11.7 98.6 280.2 74.7 Aug 7, 1:00 AM 14.9 387.3 2.7 537.7 11.5 98.5 279.2 73.7 Aug 7, 2:00 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.1 73.5 Aug 7, 2:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 2:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 7:00 AM 14.7 395.8 2.8 546.0 11.8 98.6 280.4 75.4 Aug 7, 8:00 AM 14.7 398.4 2.8 563.7 11.5 98.7 279.2 73.5 Aug 7, 8:00 AM 14.8 416.8 2.7 577.5 11.5 98.6 279.0 73.2 Aug 7, 7:00 AM 14.8 416.8 2.7 577.5 11.5 98.6 279.0 73.2 Aug 7, 1:00 AM 14.8 416.8 2.7 577.5 11.5 98.6 279.0 73.2 Aug 7, 1:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 279.6 73.2 Aug 7, 1:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 279.6 73.2 Aug 7, 1:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 279.6 73.2 Aug 7, 1:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 279.6 73.8 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.1 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.1 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.1 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.1 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 1:00 PM 14.6 386.0 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 1:00 PM 14.6 386.5 2.7 550.5 11.5 98.5 279.6 73.9 Aug 7, 1:00 PM 14.6 386.5 2.7 550.5 11.5 98.5 279.6 73.9 Aug 7, 1:00 PM 14.6 384.5 2.7 550.5 11.5 98.5 279.6 73.9 Aug 7, 1:00 PM 14.6 384.5 2.7 550.5 11.5 98.5 2	Aug 6, 7:00 PM	15.7	353.9	2.7	495.4	11.8	98.4	280.0	75.0
Aug 6, 10:00 PM 15.0 376.5 2.7 522.3 11.6 98.6 279.3 73.8 Aug 6, 11:00 PM 15.0 383.8 2.7 532.1 11.5 98.6 278.9 732.2 Aug 7, 12:00 AM 15.6 379.8 2.7 531.2 11.7 98.6 280.2 74.7 Aug 7, 1:00 AM 14.9 387.3 2.7 537.7 11.5 98.5 279.2 73.7 Aug 7, 2:00 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.2 73.7 Aug 7, 2:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 3:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 3:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 7:00 AM 15.4 399.8 2.8 546.0 11.8 98.5 279.3 73.8 Aug 7, 7:00 AM 14.8 408.8 2.7 571.9 11.6 98.5 280.4 754.4 Aug 7, 9:00 AM 14.8 408.8 2.7 565.4 11.5 98.6 280.4 754.4 Aug 7, 10:00 AM 15.3 394.3 2.7 588.4 11.5 98.6 279.0 73.2 Aug 7, 10:00 AM 15.3 394.3 2.7 588.4 11.5 98.6 278.9 73.2 Aug 7, 11:00 AM 15.3 394.3 2.7 588.4 11.5 98.6 279.3 73.8 Aug 7, 10:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 10:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 10:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.5 75.1 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.5 75.4 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.5 75.4 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.5 279.5 74.4 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.8 98.6 279.5 75.4 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.6 98.5 279.5 74.4 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.8 98.6 279.5 75.4 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.6 98.5 279.5 74.4 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.6 98.5 279.0 73.3 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.6 98.5 279.0 73.3 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.6 98.5 279.5 74.4 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.8 98.6 279.5 74.4 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.6 98.5 279.0 73.3 Aug 7, 2:00 PM 14.6 369.2 3.0 533.9 11.6 98.5 279.9 74.2 Aug 7, 2:00 PM 14.6 369.3 2.7 565.5 11.8 98.6 279.9 73.3 Aug 7, 2:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.9 73.8 Aug 7, 2:00 PM 14.6 384.5 2.7 565.5 11.	Aug 6, 8:00 PM	14.9	361.6	2.7	501.7	11.6	98.4	279.3	73.9
Aug 7, 1200 AM 15.0 383.8 2.7 532.1 11.5 98.6 278.9 73.2 Aug 7, 1200 AM 14.8 390.6 2.7 531.2 11.7 98.6 280.2 74.7 34.9 7, 110.0 AM 14.9 387.3 2.7 537.7 11.5 98.5 279.1 73.5 Aug 7, 200 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.1 73.5 Aug 7, 300 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 400 AM 15.6 384.6 2.7 588.1 11.7 98.5 280.1 74.5 Aug 7, 500 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.3 Aug 7, 500 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 500 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 500 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 500 AM 14.7 398.8 2.8 546.0 11.8 98.6 279.3 73.8 Aug 7, 700 AM 15.4 389.8 2.8 546.0 11.8 98.6 280.4 75.4 Aug 7, 800 AM 14.7 398.4 2.8 553.7 11.5 98.7 279.2 73.5 Aug 7, 10.00 AM 14.8 416.8 2.7 577.5 11.5 98.6 279.0 73.2 Aug 7, 10.00 AM 14.8 416.8 2.7 577.5 11.5 98.6 278.9 73.2 Aug 7, 10.00 AM 15.3 394.3 2.7 548.4 11.5 98.6 279.0 73.2 Aug 7, 10.00 AM 14.8 392.9 3.1 527.7 11.8 98.6 279.1 75.0 Aug 7, 10.00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.1 75.0 Aug 7, 10.00 PM 14.6 386.0 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 20.0 PM 14.6 386.0 3.0 536.7 11.7 98.6 279.2 74.4 Aug 7, 40.00 PM 14.6 386.0 3.0 533.9 11.8 98.6 279.2 74.4 Aug 7, 50.0 PM 14.6 386.0 3.0 533.9 11.8 98.6 279.2 74.4 Aug 7, 90.0 PM 14.6 386.2 3.0 533.9 11.8 98.6 279.2 74.4 Aug 7, 90.0 PM 14.6 386.5 2.8 512.0 12.0 98.5 278.9 75.4 Aug 7, 90.0 PM 14.6 386.5 2.8 512.0 12.0 98.5 278.9 75.4 Aug 7, 90.0 PM 14.6 386.5 2.8 512.0 12.0 98.5 279.6 73.9 Aug 7, 90.0 PM 14.6 384.5 2.7 575.5 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.0 11.7 98.5 279.0 73.4 Aug 7, 90.0 PM 14.6 384.5 2.7 565.0 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.0 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.0 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.5 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.5 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.5 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.5 11.5 98.5 279.0 73.3 Aug 7, 90.0 PM 14.6 384.5 2.7 565.5 11.5 98.5 279.0	Aug 6, 9:00 PM	14.9	368.6	2.7	510.9	11.5	98.5	279.2	73.6
Aug 7, 12:00 AM 15.6 379.8 2.7 531.2 11.7 98.6 280.2 74.7 Aug 7, 1:00 AM 14.9 387.3 2.7 537.7 11.5 98.5 279.2 73.7 Aug 7, 2:00 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.3 73.3 Aug 7, 4:00 AM 15.6 384.6 2.7 538.1 11.7 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 541.1 11.5 98.5 229.3 73.8 Aug 7, 6:00 AM 14.7 413.9 2.7 571.9 11.6 98.5 279.3 73.8 Aug 7, 7:00 AM 15.4 388.8 2.8 564.0 11.8 98.6 280.4 75.4 Aug 7, 10:00 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 11:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.9	Aug 6, 10:00 PM	15.0	376.5	2.7	522.3	11.6	98.6	279.3	73.8
Aug 7, 1:00 AM 14.9 387.3 2.7 537.7 11.5 98.5 279.2 73.7 Aug 7, 2:00 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.1 73.5 Aug 7, 3:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 4:00 AM 15.6 384.6 2.7 538.1 11.7 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 7:00 AM 15.4 389.8 2.8 546.0 11.8 98.6 280.4 75.4 Aug 7, 8:00 AM 14.7 398.4 2.8 533.7 11.5 98.7 279.2 73.5 Aug 7, 9:00 AM 14.8 416.8 2.7 566.4 11.5 98.6 279.0 73.2 Aug 7, 10:00 AM 14.8 416.8 2.7 566.4 11.5 98.6 278.9 73.2 Aug 7, 10:00 AM 14.8 38.9 2.7 566.4 11.5 98.6 278.9 73.2 Aug 7, 10:00 AM 14.8 37.2 3 3.9 3.3 2.7 548.4 11.5 98.6 278.9 73.2 Aug 7, 10:00 AM 14.8 37.2 3 3.9 3.0 536.7 11.5 98.6 279.5 75.1 Aug 7, 10:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 10:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.1 75.0 Aug 7, 3:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.6 366.0 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 6:00 PM 14.6 366.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 6:00 PM 14.6 365.2 2.8 512.0 12.0 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 278.5 79.5 74.4 Aug 7, 7:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 73.3 Aug 7, 9:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 73.3 Aug 7, 9:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 73.3 Aug 7, 9:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 73.3 Aug 7, 9:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 73.4 Aug 7, 9:00 PM 14.6 383.5 2.7 525.1 11.5 98.5 279.5 73.4 Aug 7, 9:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 73.3 Aug 7, 9:00 PM 14.6 383.5 2.7 555.1 11.5 98.5 279.5 73.4 Aug 7, 9:00 PM 14.6 383.5 2.7 555.1 11.5 98.5 279.5 73.4 Aug 7, 9:00 PM 14.6 383.5 2.7 555.1 11.5 98.5 279.5 73.4 Aug 7, 9:00 PM 14.6 383.5 2.7 555.1 11.5 98.5 279.5 73.4 Aug 7, 9:00 PM 14.6 383.5 2.7 555.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 383.5 2.7 555.5 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 73.3 Aug 7, 9:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 73.3 Aug 7, 9:00 PM 14.6 393.0 2	Aug 6, 11:00 PM	15.0	383.8	2.7	532.1	11.5	98.6	278.9	73.2
Aug 7, 2:00 AM 14.8 390.6 2.7 540.5 11.5 98.5 279.1 73.5 Aug 7, 3:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 4:00 AM 15.6 384.6 2.7 538.1 11.7 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.8 Aug 7, 6:00 AM 14.7 413.9 2.7 571.9 11.6 98.5 279.3 73.8 Aug 7, 7:00 AM 15.4 389.8 2.8 546.0 11.8 98.6 280.4 75.4 Aug 7, 8:00 AM 14.7 398.4 2.8 553.7 11.5 98.7 279.2 73.5 Aug 7, 9:00 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 1:00 AM 15.3 394.3 2.7 575.5 11.5 98.6 278.9 73.2 Aug 7, 1:00 AM 15.3 394.3 2.7 565.4 11.5 98.6 278.9 73.2 Aug 7, 1:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.9 73.2 Aug 7, 1:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.2 74.7 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 279.9 74.2 Aug 7, 5:00 PM 14.6 360.3 3.0 532.8 11.8 98.6 279.9 74.2 Aug 7, 5:00 PM 14.6 362.2 3.0 533.9 11.8 98.6 279.9 74.2 Aug 7, 5:00 PM 14.6 362.2 3.0 533.9 11.8 98.6 279.5 75.0 Aug 7, 5:00 PM 14.6 362.2 3.0 533.9 11.8 98.6 279.5 75.0 Aug 7, 5:00 PM 14.6 362.2 3.0 533.9 11.8 98.6 279.5 75.0 Aug 7, 5:00 PM 14.6 362.2 3.0 533.9 11.8 98.6 279.5 75.0 Aug 7, 5:00 PM 14.6 362.2 3.0 533.9 11.8 98.6 279.5 75.0 Aug 7, 5:00 PM 14.6 362.2 3.0 533.9 11.8 98.6 279.5 75.0 Aug 7, 5:00 PM 14.6 362.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 362.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.5 73.0 Aug 7, 6:00 PM 14.6 364.5 2.7 533.9 11.8 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 364.5 2.7 533.9 11.8 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 364.5 2.7 533.9 11.8 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 364.5 2.7 530.5 11.5 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 364.5 2.7 530.5 11.5 98.5 279.9 73.3 Aug 7, 6:00 PM 14.6 364.5 2.7 530.5 11.5 98.5 279.9 73.8 Aug 7, 6:00 PM 14.6 364.5 2.7 530.5 11.5 98.5 279.0 73.3 Aug 7, 6:00 PM 14.6 364.5 2.7 530.5 11.5 98.5 279.9 73.8 Aug 8, 1:00 AM 14.6 413.5 2.7 542.0 11.7 98.5 279.0	Aug 7, 12:00 AM	15.6	379.8	2.7	531.2	11.7	98.6	280.2	74.7
Aug 7, 3:00 AM 14.8 391.1 2.7 541.1 11.5 98.5 279.3 73.3 Aug 7, 4:00 AM 15.6 384.6 2.7 538.1 11.7 98.5 280.1 74.5 Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.6 Aug 7, 6:00 AM 14.7 395.7 2.7 571.9 11.6 98.5 279.3 73.8 Aug 7, 6:00 AM 14.7 413.9 2.7 571.9 11.6 98.5 279.3 73.8 Aug 7, 7:00 AM 15.4 389.8 2.8 546.0 11.8 98.6 280.4 75.4 Aug 7, 8:00 AM 14.7 398.4 2.8 553.7 11.5 98.7 279.2 73.5 Aug 7, 9:00 AM 14.8 416.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 9:00 AM 14.8 416.8 2.7 577.5 11.5 98.6 279.0 73.2 Aug 7, 10:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.9 73.2 Aug 7, 11:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.6 73.8 Aug 7, 11:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.1 75.0 Aug 7, 11:00 PM 14.6 386.0 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 11:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.6 366.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.6 367.6 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 5:00 PM 14.6 369.2 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 7:00 PM 14.6 369.2 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 7:00 PM 14.6 369.2 3.0 511.0 11.6 98.5 279.5 75.1 Aug 7, 7:00 PM 14.6 369.2 3.0 511.0 11.6 98.5 279.5 75.4 Aug 7, 7:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 7:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 7:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 7:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.0 73.3 Aug 7, 7:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 279.0 73.3 Aug 7, 7:00 PM 14.6 363.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 7:00 PM 14.6 363.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 7:00 PM 14.6 363.5 2.7 533.9 11.6 98.5 279.9 73.2 Aug 7, 1:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 1:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 1:00 PM 14.6 363.5 2.7 565.5 11.8 98.5 279.9 73.4 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 280.2 74.8 Aug 8, 1:00 AM 14.6 413.5 2.7 565.5 11.8 98.4 280.0 78.8 Aug 8, 1:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 1:00 AM 14.8 414.9 2.7 568.9 11.8 98.4 280.0 78.8 Aug 8, 1:00 AM 14.8 414.9 2.7 569.9 11.8 98.4	Aug 7, 1:00 AM	14.9	387.3	2.7	537.7	11.5	98.5	279.2	73.7
Aug 7, 4:00 AM	Aug 7, 2:00 AM	14.8	390.6	2.7	540.5	11.5	98.5	279.1	73.5
Aug 7, 5:00 AM 14.7 395.7 2.7 547.1 11.5 98.5 279.3 73.6 Aug 7, 6:00 AM 14.7 413.9 2.7 571.9 11.6 98.5 279.3 73.8 Aug 7, 7:00 AM 15.4 389.8 2.8 546.0 11.8 98.6 280.4 75.4 Aug 7, 8:00 AM 14.7 398.4 2.8 553.7 11.5 98.7 279.2 73.5 Aug 7, 9:00 AM 14.8 418.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 9:00 AM 14.8 416.8 2.7 577.5 11.5 98.6 279.0 73.2 Aug 7, 11:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.9 73.2 Aug 7, 11:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.9 73.2 Aug 7, 11:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 1:00 PM 14.6 386.0 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 4:00 PM 15.5 375.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 5:00 PM 14.6 360.6 3.0 517.0 11.6 98.5 278.9 74.2 Aug 7, 6:00 PM 14.6 367.6 3.0 517.0 11.7 98.5 279.5 74.4 Aug 7, 7:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.6 384.5 2.7 533.9 11.8 98.5 279.0 73.3 Aug 7, 8:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 8:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 8:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 8:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 8:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 8:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 10:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 10:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 10:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 10:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.3 Aug 7, 10:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.0 Aug 8, 10:00 AM 14.7 40.9 5 2.7 561.0 11.9 98.5 299.9 75.0 Aug 8, 10:00 AM 14.7 40.9 5 2.7 561.0 11.9 98.5 299.9 75.0 Aug 8, 10:00 AM 14.7 40.9 5 2.7 561.0 11.9 98.5 299.9 75.0 Aug 8, 2:00 AM 14.7 40.9 5 2.7 566.5 11.8 98.4 290.2 74.8 Aug 8, 2:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 2:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 290.0 74.8 Aug 8, 6:00 AM 14.8 414.9 2.7 574.7	Aug 7, 3:00 AM	14.8	391.1	2.7	541.1	11.5	98.5	279.3	73.3
Aug 7, 6:00 AM	Aug 7, 4:00 AM	15.6	384.6	2.7	538.1	11.7	98.5	280.1	74.5
Aug 7, 7:00 AM Aug 7, 8:00 AM Aug 8,	Aug 7, 5:00 AM	14.7	395.7	2.7	547.1	11.5	98.5	279.3	73.6
Aug 7, 8:00 AM 14.7 398.4 2.8 553.7 11.5 98.7 279.2 73.5 Aug 7, 9:00 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 10:00 AM 14.8 416.8 2.7 577.5 11.5 98.6 278.9 73.2 Aug 7, 11:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.6 73.8 Aug 7, 12:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 1:00 PM 14.6 386.0 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 4:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 6:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11	Aug 7, 6:00 AM	14.7	413.9	2.7	571.9	11.6	98.5	279.3	73.8
Aug 7, 9:00 AM 14.8 408.8 2.7 565.4 11.5 98.6 279.0 73.2 Aug 7, 10:00 AM 14.8 416.8 2.7 577.5 11.5 98.6 278.9 73.2 Aug 7, 11:00 PM 15.3 394.3 2.7 548.4 11.5 98.6 278.6 73.8 Aug 7, 12:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 1:00 PM 14.6 386.0 3.0 536.7 11.7 98.6 279.1 74.7 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 5:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5	Aug 7, 7:00 AM	15.4	389.8	2.8	546.0	11.8	98.6	280.4	75.4
Aug 7, 10:00 AM Aug 7, 11:00 AM Aug 7, 11:00 AM Aug 7, 12:00 PM Aug 8, 12:00 AM Aug 8, 12:00 A	Aug 7, 8:00 AM	14.7	398.4	2.8	553.7	11.5	98.7	279.2	73.5
Aug 7, 11:00 AM 15.3 394.3 2.7 548.4 11.5 98.6 278.6 73.8 Aug 7, 12:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 4:00 PM 15.5 375.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 5:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 8:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 280.5 7	Aug 7, 9:00 AM	14.8	408.8	2.7	565.4	11.5	98.6	279.0	73.2
Aug 7, 12:00 PM 14.8 372.9 3.1 527.7 11.8 98.6 279.5 75.1 Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 4:00 PM 15.5 375.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 6:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 6:00 PM 14.6 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73	Aug 7, 10:00 AM	14.8	416.8	2.7	577.5	11.5	98.6	278.9	73.2
Aug 7, 1:00 PM 14.5 381.9 3.0 536.7 11.7 98.6 279.1 75.0 Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 4:00 PM 15.5 375.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 5:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 6:00 PM 15.4 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.0 73.9 Aug 7, 10:00 PM 14.6 383.0 2.7 533.9 11.6	Aug 7, 11:00 AM	15.3	394.3	2.7	548.4	11.5	98.6	278.6	73.8
Aug 7, 2:00 PM 14.6 386.0 3.0 542.8 11.7 98.6 279.2 74.7 Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 4:00 PM 15.5 375.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 5:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 7:00 PM 15.4 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.0 73.3 Aug 7, 10:00 PM 14.6 384.5 2.7 533.9 11.6 98.5 279.0 73.9 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.	Aug 7, 12:00 PM	14.8	372.9	3.1	527.7	11.8	98.6	279.5	75.1
Aug 7, 3:00 PM 14.7 377.5 3.0 531.4 11.6 98.5 278.9 74.2 Aug 7, 4:00 PM 15.5 375.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 5:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 7:00 PM 15.4 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.2 73.6 Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.2 73.6 Aug 8, 12:00 AM 15.5 401.9 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 10:00 AM 14.6 413.5 2.7 561.0 11	Aug 7, 1:00 PM	14.5	381.9	3.0	536.7	11.7	98.6	279.1	75.0
Aug 7, 4:00 PM 15.5 375.2 3.0 533.9 11.8 98.6 279.8 75.0 Aug 7, 5:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 7:00 PM 15.4 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.2 73.6 Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.6 73.9 Aug 8, 12:00 AM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 2:00 AM 14.6 413.5 2.7 571.2 11	Aug 7, 2:00 PM	14.6	386.0	3.0	542.8	11.7	98.6	279.2	74.7
Aug 7, 5:00 PM 14.6 367.6 3.0 517.0 11.6 98.5 278.6 74.3 Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 7:00 PM 15.4 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.2 73.6 Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.6 73.9 Aug 7, 11:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 2:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 565.5 11	Aug 7, 3:00 PM	14.7	377.5	3.0	531.4	11.6	98.5	278.9	74.2
Aug 7, 6:00 PM 14.6 369.2 3.0 519.0 11.7 98.5 279.5 74.4 Aug 7, 7:00 PM 15.4 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.2 73.6 Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.2 73.6 Aug 7, 11:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 3:00 AM 14.7 419.9 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12	Aug 7, 4:00 PM	15.5	375.2	3.0	533.9	11.8	98.6	279.8	75.0
Aug 7, 7:00 PM 15.4 363.5 2.8 512.0 12.0 98.5 280.5 76.2 Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.2 73.6 Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.6 73.9 Aug 7, 11:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11	Aug 7, 5:00 PM	14.6	367.6	3.0	517.0	11.6	98.5	278.6	74.3
Aug 7, 8:00 PM 14.7 379.6 2.7 525.1 11.5 98.5 279.0 73.3 Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.2 73.6 Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.6 73.9 Aug 7, 11:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 5:00 AM 14.8 414.9 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11	Aug 7, 6:00 PM	14.6	369.2	3.0	519.0	11.7	98.5	279.5	74.4
Aug 7, 9:00 PM 14.6 384.5 2.7 530.5 11.5 98.5 279.2 73.6 Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.6 73.9 Aug 7, 11:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 7, 7:00 PM	15.4	363.5	2.8	512.0	12.0	98.5	280.5	76.2
Aug 7, 10:00 PM 14.5 387.4 2.7 533.9 11.6 98.5 279.6 73.9 Aug 7, 11:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 7, 8:00 PM	14.7	379.6	2.7	525.1	11.5	98.5	279.0	73.3
Aug 7, 11:00 PM 14.6 393.0 2.7 542.0 11.7 98.5 279.9 74.2 Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 7, 9:00 PM	14.6	384.5	2.7	530.5	11.5	98.5	279.2	73.6
Aug 8, 12:00 AM 15.5 401.9 2.7 561.0 11.9 98.5 280.8 75.5 Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 7, 10:00 PM	14.5	387.4	2.7	533.9	11.6	98.5	279.6	73.9
Aug 8, 1:00 AM 14.6 413.5 2.7 571.2 11.8 98.4 279.9 75.0 Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 7, 11:00 PM	14.6	393.0	2.7	542.0	11.7	98.5	279.9	74.2
Aug 8, 2:00 AM 14.7 409.5 2.7 565.5 11.8 98.4 280.1 75.0 Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 8, 12:00 AM		401.9	2.7	561.0		98.5		75.5
Aug 8, 3:00 AM 14.7 411.9 2.7 568.9 11.8 98.4 280.2 74.8 Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 8, 1:00 AM								75.0
Aug 8, 4:00 AM 15.6 411.1 2.7 574.5 12.0 98.4 281.1 76.1 Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 8, 2:00 AM								75.0
Aug 8, 5:00 AM 14.8 414.9 2.7 574.7 11.8 98.4 280.0 74.8 Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	=	14.7							74.8
Aug 8, 6:00 AM 14.8 418.9 2.7 579.9 11.7 98.4 279.0 74.6	Aug 8, 4:00 AM								76.1
-	=								74.8
Aug 8, 7:00 AM 15.5 413.4 2.9 584.6 12.0 98.4 280.3 76.1	=								74.6
	Aug 8, 7:00 AM	15.5	413.4	2.9	584.6	12.0	98.4	280.3	76.1

Source: FCC Regenerator Overheard via CO Boiler



Aug. 8.000 AM 14.7 420.0 3.0 593.4 11.8 99.4 270.7 79.4 Aug. 8.000 AM 14.8 417.4 3.0 580.0 11.9 99.4 270.7 75.7 Aug. 1.000 AM 14.8 417.4 3.0 580.0 11.9 99.4 270.0 75.5 Aug. 1.100 AM 14.8 415.5 3.0 590.3 11.9 99.4 270.8 75.7 Aug. 1.100 AM 15.1 419.9 3.0 593.4 11.9 98.4 270.8 75.7 Aug. 1.100 AM 15.5 426.8 2.8 600.8 11.8 98.4 270.8 75.7 Aug. 1.200 PM 15.0 41.3 2.7 613.1 11.5 98.3 278.6 75.7 Aug. 1.200 PM 15.0 41.3 2.7 613.1 11.5 98.3 278.6 75.7 Aug. 2.200 PM 15.1 447.1 2.7 620.4 11.5 98.3 278.6 75.4 Aug. 2.200 PM 15.1 447.1 2.7 620.4 11.5 98.3 278.6 75.4 Aug. 2.200 PM 15.0 44.5 2.7 617.3 11.5 98.3 278.4 73.4 Aug. 2.200 PM 15.0 44.5 2.7 617.3 11.5 98.3 278.4 73.4 Aug. 2.200 PM 15.0 44.5 2.7 617.3 11.5 98.3 278.4 73.4 Aug. 2.200 PM 15.0 44.5 2.7 617.3 11.5 98.3 278.4 73.4 Aug. 2.200 PM 15.0 44.5 2.7 617.3 11.5 98.3 278.4 73.4 Aug. 2.200 PM 15.0 44.5 2.0 10.0 11.7 98.3 278.4 73.4 Aug. 2.200 PM 15.0 44.5 2.0 10.0 11.7 98.3 278.1 75.4 Aug. 2.200 PM 15.0 44.5 2.0 10.0 11.7 98.3 278.1 75.4 Aug. 2.200 PM 15.0 44.5 2.0 10.0 11.7 98.3 278.1 75.4 Aug. 2.200 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.8 73.4 Aug. 2.200 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.8 73.4 Aug. 2.200 PM 15.2 427.3 2.9 600.7 11.6 98.2 278.5 73.3 Aug. 2.100 PM 15.2 427.1 2.8 550.8 11.4 98.2 278.6 73.3 Aug. 2.100 PM 15.2 427.1 2.8 550.8 11.4 98.2 278.6 73.3 Aug. 2.100 PM 15.2 427.1 2.8 550.8 11.4 98.2 278.6 73.3 Aug. 2.100 PM 15.2 427.1 2.8 550.8 11.4 98.2 278.6 73.3 Aug. 2.100 PM 15.2 427.1 2.8 550.8 11.4 98.2 278.8 73.3 Aug. 2.100 PM 15.2 427.1 2.8 550.8 11.4 98.2 278.8 73.3 Aug. 2.100 PM 15.2 427.1 2.8 550.8 11.4 98.2 278.8 73.3 Aug. 2.200 AM 15.3 40.6 1.2 2.8 557.0 11.5 98.2 278.8 73.3 Aug. 2.200 AM 15.3 40.6 1.2 2.8 557.0 11.5 98.2 278.8 73.3 Aug. 2.200 AM 15.3 30.0 1.5 3.0 50.0 2.8 559.8 11.5 98.0 2.2 278.8 73.3 Aug. 2.200 AM 15.3 30.0 2.8 559.8 11.5 98.0 2.2 278.8 73.3 Aug. 2.200 AM 15.3 30.0 2.8 559.8 11.5 98.0 2.2 278.8 73.3 Aug. 2.200 AM 15.5 350.0 2.8 559.8 11.5 99.0 2.278.8 73.3 Aug. 2.200 AM 15.5 350.0 2.8 559.8 11.5 99.0 2.278.8 73.3 Aug. 2.200 AM	Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug. 8, 900 AM Aug. 1, 100 AM	Aug 8. 8:00 AM	14.7	420.0	3.0		11.8	98.4	279.7	75.4
Aug. 1:000 AM	-	14.8	417.4	3.0	589.0	11.9	98.4	279.7	75.7
Aug 8, 1200 PM	Aug 8, 10:00 AM	14.8	418.5	3.0	590.3	11.9	98.4	279.8	75.5
Aug 8, 1/200 PM	•								75.7
Aug 8, 100 PM 15.0 441.3 2.7 613.1 11.5 88.3 278.4 73.4 Aug 8, 200 PM 15.0 444.5 2.7 617.3 11.5 88.3 278.4 73.4 Aug 8, 200 PM 15.0 444.5 2.7 617.3 11.5 88.3 278.4 73.4 Aug 8, 200 PM 15.0 444.5 2.7 617.3 11.5 88.3 278.4 73.4 Aug 8, 200 PM 15.0 446.9 3.0 632.2 11.7 98.3 279.1 74.7 Aug 8, 200 PM 15.0 446.9 3.0 632.2 11.7 98.3 279.1 74.7 Aug 8, 200 PM 15.0 449.3 3.0 621.0 11.7 98.3 279.2 74.6 Aug 8, 200 PM 15.2 422.2 2.9 600.7 11.6 98.2 278.7 73.3 Aug 8, 100 PM 15.2 424.1 2.8 500.8 Aug 8, 100 PM 15.2 424.1 2.8 500.8 Aug 8, 100 PM 15.2 424.1 2.8 500.8 Aug 9, 100 Aug 8, 200 PM 15.3 Aug 8, 200 PM 15.3 Aug 8, 200 PM 15.3 404.3 2.8 567.0 11.5 98.2 278.6 73.8 Aug 9, 200 AM 15.3 404.1 2.8 571.9 11.6 98.2 278.6 73.8 Aug 9, 200 AM 15.3 404.1 2.8 571.9 11.6 98.2 278.6 73.8 Aug 9, 200 AM 15.3 408.1 2.8 571.9 11.6 98.2 278.6 73.8 Aug 9, 200 AM 15.3 408.1 2.8 571.9 11.6 98.2 278.6 73.8 Aug 9, 200 AM 15.3 408.1 2.8 571.9 11.6 98.2 278.6 73.8 Aug 9, 200 AM 15.3 389.4 2.8 571.9 11.6 98.0 278.1 73.3 Aug 9, 200 AM 15.1 389.4 2.8 571.9 11.6 98.0 278.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 15.5 389.4 2.8 574.8 11.6 98.0 279.1 73.3 Aug 9, 200 AM 16.1 16.1 389.9 2.8 589.8 11.6 380.0 279.1 73.8 Aug 9, 100 AM 16.1 16.1 389.9 2.8 589.8 11.8 98.0 279.1 73.8 Aug 9, 100 AM 16.1 16.1 17.7 18.8 18.9	=								75.1
Aug 8, 200 PM Aug 8, 200 PM 15.0 444.1 2.7 670.4 11.5 98.3 278.6 73.3 Aug 8, 400 PM 15.8 437.7 2.9 670.3 11.5 98.3 278.7 73.4 Aug 8, 600 PM 15.0 444.5 2.7 670.3 11.5 98.3 278.7 75.4 Aug 8, 600 PM 15.0 448.9 3.0 63.2 11.7 98.3 279.7 75.4 Aug 8, 600 PM 15.0 430.0 3.0 621.0 11.7 98.3 279.2 74.4 Aug 8, 600 PM 15.0 430.0 3.0 621.0 11.7 98.3 279.2 74.4 Aug 8, 600 PM 15.2 427.2 2.9 607.8 11.8 98.2 278.8 74.3 Aug 8, 600 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.8 74.3 Aug 8, 600 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 600 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 100 PM 15.2 438.3 2.8 644.7 11.5 98.2 278.5 73.3 Aug 8, 100 PM 15.2 438.3 2.8 644.7 11.5 98.2 278.5 73.3 Aug 8, 100 PM 15.9 496.6 2.7 576.5 11.5 98.2 278.6 73.8 Aug 9, 100 AM 15.3 404.3 2.8 567.0 11.5 98.2 278.6 73.8 Aug 9, 100 AM 15.3 404.3 2.8 567.0 11.5 98.1 278.2 78.8 Aug 9, 200 AM 15.3 390.4 2.8 567.0 11.5 98.1 278.2 78.8 Aug 9, 200 AM 15.3 390.4 2.8 569.8 11.5 98.0 278.5 73.3 Aug 9, 500 AM 15.4 398.4 2.8 569.8 11.5 98.0 278.5 73.3 Aug 9, 500 AM 15.5 390.4 2.8 569.8 11.5 98.0 278.5 73.3 Aug 9, 500 AM 15.5 393.4 2.8 569.8 11.5 98.0 279.0 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 98.0 279.0 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 98.0 279.0 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 97.9 278.8 73.3 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 98.0 279.0 73.0 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.5 98.0 279.0 73.0 Aug 9, 500 AM 15.5 395.4 2.8 569.8 11.9 97.7 281.5 75.2 Aug 9, 100 AM 15.8 366.6 2.7 480.3 11.5 97.7 281.5 75.2 Aug 9, 100 AM 15.8 366.6 2.7 566.6 11.5 98.0 279.0 78.0 Aug 9, 100 AM 15.	-								73.6
Aug 8, 300 PM Aug 8, 400 PM 15.0 444.5 2.7 617.3 11.5 98.3 278.4 73.4 Aug 8, 500 PM 15.0 446.9 3.0 632.2 11.7 98.3 278.1 74.7 Aug 8, 500 PM 15.0 448.9 3.0 632.2 11.7 98.3 278.1 74.7 Aug 8, 500 PM 15.0 448.9 3.0 632.2 11.7 98.3 278.1 74.7 Aug 8, 500 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 700 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 100 OPM 15.2 427.1 2.8 590.8 11.4 98.2 278.5 73.3 Aug 8, 100 OPM 15.2 422.1 2.8 590.8 11.4 98.2 278.6 73.3 Aug 8, 100 OPM 15.2 422.1 2.8 590.8 11.4 98.2 278.6 73.3 Aug 8, 100 OPM 15.2 422.1 2.8 590.8 11.4 98.2 278.6 73.3 Aug 8, 100 OPM 15.2 422.1 2.8 590.8 11.4 98.2 278.6 73.3 Aug 8, 100 OPM 15.2 422.1 2.8 590.8 11.4 98.2 278.6 73.3 Aug 9, 120 OAM 15.4 404.5 2.9 572.3 11.6 98.2 278.8 73.8 Aug 9, 120 OAM 15.3 404.3 2.8 567.0 11.5 98.1 278.2 73.3 Aug 9, 200 AM 15.3 399.4 2.8 559.4 11.6 98.0 278.5 73.3 Aug 9, 400 AM 15.1 333.9 2.8 559.4 11.6 98.0 278.5 73.3 Aug 9, 600 AM 15.5 386.4 2.9 569.8 11.6 98.0 279.1 73.3 Aug 9, 600 AM 15.5 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.5 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.5 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.5 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.8 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.4 2.9 560.6 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.6 386.7 386.6 2.8 560.0 11.9 97.7 281.5 75.7 281.5 76.7 281.5 282.5 282.5 283.0 283.0 283.0 283.0 283.0 283	-	15.1	447.1	2.7	620.4	11.5	98.3	278.6	73.4
Aug 8, 400 PM Aug 8, 600 PM 15.0 446.9 3.0 3.0 621.0 11.7 98.3 279.7 75.4 Aug 8, 600 PM 15.0 449.0 3.0 621.0 11.7 98.3 279.2 74.5 Aug 8, 600 PM 15.0 439.0 3.0 621.0 11.7 98.3 279.2 74.5 Aug 8, 600 PM 15.9 432.7 2.9 600.7 11.6 98.2 278.7 73.7 Aug 8, 90.0 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.7 73.7 Aug 8, 90.0 PM 15.2 428.3 2.8 614.7 11.5 98.2 278.6 73.3 Aug 8, 100 PM 15.2 422.1 2.8 580.8 11.4 98.2 278.4 72.3 Aug 8, 1100 PM 15.9 409.6 2.7 570.5 11.5 98.2 278.6 73.3 Aug 9, 1100 PM 15.9 409.6 2.7 570.5 11.6 98.2 278.6 73.3 Aug 9, 1200 AM 15.3 404.3 2.8 667.0 11.5 98.1 278.2 73.6 Aug 9, 1200 AM 15.3 408.1 2.8 667.0 11.5 98.1 278.2 73.6 Aug 9, 300 AM 15.3 389.4 2.8 589.8 11.5 98.0 278.5 73.3 Aug 9, 400 AM 15.3 389.4 2.8 589.8 11.5 98.0 278.5 73.3 Aug 9, 400 AM 15.5 385.4 2.8 589.8 11.5 98.0 279.0 73.3 Aug 9, 600 AM 15.5 385.4 2.8 589.8 11.5 98.0 279.0 73.3 Aug 9, 600 AM 15.5 385.4 2.8 584.8 11.5 98.0 279.0 73.3 Aug 9, 800 AM 15.5 385.4 2.8 584.8 11.5 97.9 279.3 73.3 Aug 9, 800 AM 15.5 385.4 2.8 584.8 11.5 97.9 279.3 73.3 Aug 9, 800 AM 15.5 385.4 2.8 584.8 11.5 97.9 279.3 73.3 Aug 9, 800 AM 15.5 381.0 2.8 582.8 382.7 383.7 384.9 389.00 AM 15.5 381.0 2.8 582.8 383.7 389.7 2.8 389.7 2.8 389.7 2.8 389.7 389.	•			2.7		11.5			73.4
Aug 8, 500 PM Aug 8, 700 PM 15.0 440.0 3.0 621.0 11.7 98.3 279.2 74.4 Aug 8, 700 PM 15.9 432.7 2.9 617.8 11.8 98.2 278.8 74.9 Aug 8, 700 PM 15.9 432.7 2.9 617.8 11.8 98.2 278.8 74.9 Aug 8, 700 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 900 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 900 PM 15.2 422.1 2.8 900.8 11.4 98.2 278.6 73.8 Aug 8, 100 PM 15.2 422.1 2.8 900.8 11.4 98.2 278.6 73.8 Aug 9, 100 PM 15.2 422.1 2.8 900.8 11.4 98.2 278.6 73.8 Aug 9, 1200 AM 15.4 404.5 2.9 672.3 11.6 98.2 278.6 73.8 Aug 9, 1200 AM 15.3 404.3 2.8 676.0 11.5 98.1 278.2 73.8 Aug 9, 200 AM 15.3 399.4 2.8 659.8 11.4 98.1 278.3 72.8 Aug 9, 400 AM 15.1 389.9 2.8 659.8 11.6 98.0 278.5 73.3 Aug 9, 600 AM 15.5 385.4 2.8 659.8 11.6 99.0 279.1 73.8 Aug 9, 600 AM 15.5 385.4 2.8 659.8 11.6 99.0 279.0 73.3 Aug 9, 800 AM 15.5 385.4 2.8 659.8 11.6 99.0 279.0 73.3 Aug 9, 800 AM 15.5 385.4 2.8 659.8 11.5 99.0 279.0 73.3 Aug 9, 800 AM 15.5 385.4 2.8 659.8 11.5 99.0 279.0 73.3 Aug 9, 800 AM 15.5 385.4 2.8 659.8 11.5 99.0 279.0 73.3 Aug 9, 800 AM 15.5 385.4 2.8 659.8 11.5 99.0 279.0 73.3 Aug 9, 800 AM 15.5 385.4 2.8 659.8 11.5 97.9 279.8 73.3 Aug 9, 800 AM 15.5 386.0 2.8 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9	• .								75.4
Aug 8, 600 PM 15.0 439.0 3.0 621.0 11.7 98.3 279.2 74.5 Aug 8, 800 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 800 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 800 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.5 73.3 Aug 8, 10.00 PM 15.2 427.1 2.8 590.8 11.4 98.2 278.6 73.3 Aug 8, 10.00 PM 15.9 409.6 2.7 576.5 11.5 98.2 278.6 73.3 Aug 8, 11.00 PM 15.9 409.6 2.7 576.5 11.5 98.2 278.6 73.5 Aug 9, 10.00 AM 15.4 404.5 2.9 572.3 11.6 98.2 278.8 73.6 Aug 9, 10.00 AM 15.3 404.3 2.8 567.0 11.5 98.1 278.2 73.5 Aug 9, 20.00 AM 15.3 408.1 2.8 567.0 11.5 98.1 278.2 73.5 Aug 9, 30.00 AM 15.3 399.4 2.8 567.0 11.5 98.1 278.3 73.8 Aug 9, 30.00 AM 15.3 399.4 2.8 559.8 11.5 98.0 279.1 73.3 Aug 9, 500 AM 15.4 395.4 2.8 559.8 11.5 98.0 279.1 73.3 Aug 9, 500 AM 15.5 365.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 500 AM 15.5 385.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 500 AM 15.5 385.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 600 AM 15.5 385.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 600 AM 15.5 381.0 2.8 524.8 11.5 97.9 279.8 73.3 Aug 9, 500 AM 15.5 381.0 2.8 524.8 11.5 97.9 279.8 73.3 Aug 9, 500 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.5 97.8 279.8 72.8 Aug 9, 100 AM 15.5 381.0 2.8 500.1 11.9 97.7 281.6 75.1 Aug 9, 100 AM 15.2 388.7 2.8 559.1 11.9 97.7 281.6 75.1 Aug 9, 100 AM 15.5 381.6 2.8 537.7 11.9 97.7 281.6 75.1 Aug 9, 200 PM 15.2 388.7 2.8 559.1 11.9 97.7 281.6 75.1 Aug 9, 200 PM 15.2 388.7 2.8 559.1 11.9 97.7 281.6 75.1 Aug 9, 200 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 200 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 200 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 200 PM 14.6 408.1 2.7 568.6 2.8 537.7 11.9 98.3 279.9 76.3 Aug	-	15.0	446.9	3.0	632.2	11.7	98.3	279.1	74.7
Aug 8, 7:00 PM 15:9 432.7 2.9 617.8 11.8 82. 279.8 7.49 Aug 8, 8:00 PM 15:2 437.2 2.9 600.7 11.6 89.2 278.7 73.7 Aug 8, 9:00 PM 15:2 438.3 2.8 614.7 11.5 98.2 278.4 72.3 Aug 8, 10:00 PM 15:2 438.3 2.8 614.7 11.5 98.2 278.4 72.3 Aug 8, 10:00 PM 15:2 42.1 2.8 990.8 11.4 98.2 278.4 72.8 Aug 9, 10:00 PM 15:3 409.6 2.7 576.5 11.5 98.2 278.6 73.8 Aug 9, 12:00 AM 15.4 404.5 2.9 572.3 11.6 98.2 278.8 73.8 Aug 9, 12:00 AM 15.3 404.3 2.8 657.0 11.5 98.1 278.2 73.8 Aug 9, 20:00 AM 15:3 404.3 2.8 657.9 11.5 98.1 278.2 73.8 Aug 9, 20:00 AM 15:3 404.3 2.8 657.9 11.5 98.1 278.2 73.8 Aug 9, 4:00 AM 15:3 408.1 2.8 671.9 11.4 98.1 278.3 72.8 Aug 9, 4:00 AM 15:3 399.4 2.8 558.8 11.5 98.0 278.6 73.3 Aug 9, 5:00 AM 15:4 985.4 2.8 558.8 11.5 98.0 279.0 73.0 Aug 9, 5:00 AM 15:5 385.4 2.8 558.8 11.5 98.0 279.0 73.0 Aug 9, 7:00 AM 15:5 385.4 2.8 568.8 11.5 98.0 279.0 73.0 Aug 9, 0:00 AM 15:5 385.4 2.8 568.8 11.5 98.0 279.0 73.0 Aug 9, 0:00 AM 15:5 384.2 2.8 568.8 11.5 97.9 279.3 73.0 Aug 9, 9:00 AM 15:5 384.2 2.8 568.1 11.5 97.9 279.3 73.0 Aug 9, 9:00 AM 15:5 381.0 2.8 508.1 11.5 97.8 279.8 73.2 Aug 9, 1:00 AM 15:5 381.0 2.8 508.1 11.5 97.8 280.5 72.9 Aug 9, 1:00 AM 15:0 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 1:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 1:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 1:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 1:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 1:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 0:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 0:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.2 Aug 9, 0:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 0:00 AM 15:3 383.0 2.8 509.0 11.9 97.7 281.6 75.1 Aug 9, 0:00 PM 15:3 383.6 2.8 535.1 11.9 97.7 281.5 75.1 Aug 9, 0:00 PM 15:3 383.6 2.8 535.1 11.9 97.8 282.0 75.1 Aug 9, 0:00 PM 15:3 383.6 2.8 535.1 11.9 97.8 282.0 75.1 Aug 9, 0:00 PM 15:3 383.0 38	-	15.0	439.0	3.0	621.0	11.7	98.3	279.2	74.5
Aug 8, 800 PM 15.2 427.2 2.9 600.7 11.6 98.2 278.7 73.7 Aug 8, 900 PM 15.2 438.3 2.8 614.7 11.5 98.2 278.5 73.3 Aug 8, 10.00 PM 15.2 42.1 2.8 590.8 11.4 98.2 278.4 72.9 Aug 8, 11.00 PM 15.9 409.6 2.7 576.5 11.5 98.2 278.6 73.8 Aug 8, 11.00 PM 15.9 409.6 2.7 576.5 11.5 98.2 278.6 73.8 Aug 9, 1200 AM 15.4 404.5 2.9 572.3 11.6 98.2 278.8 73.8 Aug 9, 1200 AM 15.3 404.3 2.8 567.0 11.5 98.1 278.2 73.8 Aug 9, 120 AM 15.3 404.3 2.8 567.0 11.5 98.1 278.2 73.5 Aug 9, 200 AM 15.3 39.4 2.8 559.8 11.5 98.0 278.5 73.3 Aug 9, 300 AM 15.3 39.4 2.8 559.8 11.5 98.0 279.1 73.8 Aug 9, 400 AM 16.1 383.9 2.8 559.8 11.5 98.0 279.1 73.8 Aug 9, 400 AM 15.5 385.4 2.8 559.8 11.5 98.0 279.0 73.3 Aug 9, 500 AM 15.5 385.4 2.8 540.6 11.6 97.0 279.0 73.0 Aug 9, 500 AM 15.5 385.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 800 AM 15.5 385.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 900 AM 15.5 381.0 2.8 524.1 11.5 97.9 279.3 73.3 Aug 9, 900 AM 15.5 381.0 2.8 524.1 11.5 97.9 279.3 73.3 Aug 9, 100.0 AM 15.5 381.0 2.8 524.1 11.5 97.9 279.3 73.3 Aug 9, 100.0 AM 15.5 381.0 2.8 524.1 11.5 97.9 279.3 73.3 Aug 9, 100.0 AM 15.5 381.0 2.8 500.1 11.5 97.8 200.5 72.9 Aug 9, 100.0 AM 15.5 381.0 2.8 500.0 11.9 97.7 281.5 75.1 Aug 9, 120.0 PM 15.2 398.7 2.8 500.0 11.9 97.7 281.5 75.1 Aug 9, 120.0 PM 15.3 393.0 2.8 500.0 11.9 97.7 281.5 75.1 Aug 9, 100 PM 15.3 393.0 2.8 500.0 11.9 97.7 281.5 75.1 Aug 9, 100 PM 15.3 393.0 2 8.8 545.5 11.8 97.7 281.7 74.2 Aug 9, 500 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.7 74.2 Aug 9, 500 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.7 74.2 Aug 9, 500 PM 15.9 381.6 2.8 537.5 11.9 97.8 281.7 74.2 Aug 9, 500 PM 15.9 381.6 2.8 537.5 11.9 97.8 281.7 75.0 Aug 9, 500 PM 15.9 381.6 2.8 537.5 11.9 97.8 281.7 75.0 Aug 9, 500 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.9 73.4 Aug 9, 500 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.9 73.4 Aug 9, 500 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.9 73.4 Aug 9, 500 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.9 73.4 Aug 9, 500 PM 14.6 382.2 279.7 53.8 Aug 9, 1000 PM 14.6 382.2 279.7 53.8 Aug 9, 1000 PM 14.6 382.2 279.	-	15.9	432.7	2.9	617.8	11.8	98.2	279.8	74.9
Aug 8, 900 PM	-								73.7
Aug 8, 10:00 PM	-	15.2	438.3	2.8	614.7	11.5	98.2	278.5	73.3
Aug 9, 12:00 AM 15.4 404.5 2.9 572.3 11.6 98.2 278.8 73.6 Aug 9, 1:00 AM 15.3 404.3 2.8 667.0 11.5 98.1 278.2 73.5 73.8 Aug 9, 2:00 AM 15.3 408.1 2.8 571.9 11.4 98.1 278.3 72.8 Aug 9, 3:00 AM 15.3 399.4 2.8 559.8 11.5 98.0 278.5 73.3 Aug 9, 3:00 AM 15.4 395.4 2.8 559.8 11.5 98.0 278.5 73.3 Aug 9, 5:00 AM 15.4 395.4 2.8 559.8 11.5 98.0 279.0 73.0 Aug 9, 5:00 AM 15.5 385.4 2.8 564.8 11.5 98.0 279.0 73.0 Aug 9, 6:00 AM 15.5 385.4 2.8 564.8 11.5 97.9 279.3 73.0 Aug 9, 8:00 AM 15.5 385.4 2.8 564.8 11.5 97.9 279.3 73.0 Aug 9, 8:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.3 73.0 Aug 9, 8:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.3 73.0 Aug 9, 9:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 10:00 AM 16.0 314.2 2.9 448.7 11.9 97.7 281.6 75.1 Aug 9, 11:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.2 Aug 9, 10:00 PM 15.2 398.7 2.8 569.1 11.9 97.7 281.5 75.2 Aug 9, 10:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.5 75.2 Aug 9, 10:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 F7.1 Aug 9, 2:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.5 75.2 Aug 9, 4:00 PM 15.9 361.6 2.8 59.0 11.9 97.7 281.5 75.2 Aug 9, 4:00 PM 15.9 361.6 2.8 59.0 11.9 97.7 281.6 75.1 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.0 74.2 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.3 Aug 9, 6:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.3 Aug 9, 6:00 PM 15.5 381.0 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 1:00 PM 15.3 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 1:00 PM 15.3 382.4 2.7 566.6 2.8 59.9 11.9 98.3 279.7 73.4 Aug 9, 6:00 PM 14.4 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 1:00 PM 15.3 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 1:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 1:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 73.9 Aug 9, 1:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 73.9 Aug 9, 1:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 75.9 Aug 9, 1:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 75.9 Aug 9, 1:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 75.9 Aug 9, 1:00 PM 14.6 382.4 2.7 566.6 11.9 98.3 280.9 77.0 Aug 10, 1:00 AM 14.4 386.6 3	-	15.2		2.8	590.8	11.4	98.2	278.4	72.9
Aug 9, 12:00 AM 15.4 404.5 2.9 572.3 11.6 98.2 278.8 73.6 Aug 9, 1:00 AM 15.3 404.3 2.8 567.0 11.5 98.1 278.2 73.5 Aug 9, 2:00 AM 15.3 408.1 2.8 571.9 11.4 98.1 278.3 72.8 Aug 9, 3:00 AM 15.3 399.4 2.8 559.8 11.5 98.0 278.5 73.3 Aug 9, 3:00 AM 15.4 395.4 2.8 559.8 11.5 98.0 278.5 73.3 Aug 9, 5:00 AM 15.4 395.4 2.8 559.8 11.5 98.0 279.0 73.0 Aug 9, 5:00 AM 15.5 385.4 2.8 564.8 11.5 98.0 279.0 73.0 Aug 9, 6:00 AM 15.5 385.4 2.8 564.8 11.5 97.9 279.8 73.3 Aug 9, 8:00 AM 15.5 385.4 2.8 564.8 11.5 97.9 279.8 73.3 Aug 9, 8:00 AM 15.5 385.4 2.8 564.8 11.5 97.9 279.8 73.3 Aug 9, 8:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.8 72.9 Aug 9, 8:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 279.8 279.8 72.9 Aug 9, 10:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 10:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.5 Aug 9, 10:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.5 Aug 9, 10:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.5 75.5 Aug 9, 3:00 PM 15.5 366.6 2.8 599.0 11.9 97.7 281.5 75.5 Aug 9, 3:00 PM 15.5 364.8 2.9 564.5 11.8 97.7 281.5 75.5 Aug 9, 3:00 PM 15.9 364.8 2.9 566.6 2.8 529.0 11.8 97.8 282.0 75.1 Aug 9, 4:00 PM 15.9 364.8 2.9 566.6 2.8 529.0 11.8 97.8 281.7 74.2 Aug 9, 6:00 PM 15.5 364.8 2.9 566.6 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 15.5 381.0 2.9 566.6 2.8 529.0 11.8 97.8 281.7 75.0 Aug 9, 1:00 PM 15.3 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 1:00 PM 15.9 364.8 2.9 566.6 11.5 98.0 278.6 72.8 Aug 9, 9:00 PM 15.5 381.0 2.9 566.6 11.6 99.9 279.7 73.4 Aug 9, 6:00 PM 14.4 386.6 3.0 542.5 11.9 98.3 279.7 75.5 Aug 9, 1:00 PM 15.3 382.4 2.7 566.6 11.6 99.9 279.7 73.4 Aug 9, 0:00 PM 14.6 40.6 4 2.7 560.6 11.6 98.2 279.9 73.8 Aug 9, 0:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 73.8 Aug 9, 0:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 73.8 Aug 9, 0:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 73.8 Aug 9, 0:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 73.8 Aug 9, 0:00 PM 14.6 40.8 1 2.7 560.6 11.6 98.2 279.9 75.8 Aug 10, 1:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77.0 54.0 Aug 10, 0:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77	-	15.9	409.6	2.7	576.5	11.5	98.2	278.6	73.5
Aug 9, 1:00 AM 15.3 404.3 2.8 567.0 11.5 98.1 278.2 73.5 Aug 9, 2:00 AM 15.3 408.1 2.8 571.9 11.4 98.1 278.3 72.8 Aug 9, 2:00 AM 15.3 399.4 2.8 559.8 11.5 98.0 278.5 73.3 Aug 9, 4:00 AM 16.1 393.9 2.8 559.8 11.5 98.0 279.1 73.8 Aug 9, 4:00 AM 15.4 395.4 2.8 559.8 11.5 98.0 279.1 73.8 Aug 9, 6:00 AM 15.5 385.4 2.8 569.8 11.5 98.0 279.0 73.3 Aug 9, 6:00 AM 15.5 385.4 2.8 564.8 11.5 98.0 279.0 73.3 Aug 9, 6:00 AM 15.5 385.4 2.8 564.8 11.5 97.9 279.8 73.3 Aug 9, 6:00 AM 15.5 361.0 2.8 504.8 11.5 97.9 279.3 73.3 Aug 9, 8:00 AM 15.5 361.0 2.8 504.8 11.5 97.8 279.8 72.9 Aug 9, 9:00 AM 15.5 361.0 2.8 504.1 11.5 97.8 279.8 72.9 Aug 9, 9:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 1:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.6 75.1 Aug 9, 11:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 1:00 PM 15.3 390.2 2.8 565.5 11.8 97.7 281.5 75.1 Aug 9, 2:00 PM 15.3 390.2 2.8 565.5 11.8 97.7 281.5 75.1 Aug 9, 2:00 PM 15.9 381.6 2.8 537.7 11.9 97.7 281.5 75.2 Aug 9, 4:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.4 Aug 9, 4:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.4 Aug 9, 4:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.4 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.4 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.4 Aug 9, 9:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.6 74.4 Aug 9, 9:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.6 74.4 Aug 9, 9:00 PM 15.5 381.0 2.9 545.5 11.6 97.9 27.9 7.7 7.8 Aug 9, 8:00 PM 15.5 381.0 2.9 545.5 11.6 97.9 27.9 7.7 7.8 Aug 9, 8:00 PM 14.8 382.6 2.9 566.6 11.5 98.0 276.6 72.9 Aug 9, 8:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 8:00 PM 14.6 382.6 2.9 536.6 11.5 98.0 278.6 72.9 73.8 Aug 9, 8:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 8:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 8:00 PM 14.6 366.6 3.0 542.5 11.9 98.3 279.9 75.5 Aug 10, 1:00 AM 14.3 366.6 3.0 542.5 11.9 98.3 279.9 75.5 Aug 10, 1:00 AM 14.3 366.6 3.0 542.5 11.9 98.3 280.0 76.0 Aug 10, 1:00 AM 14.4 366.6 3.0 542.5 11.9 98.3 280.0 77.0 Aug 10, 1:00 AM 14.5 362.6 2.9 497.5 1	-	15.4	404.5	2.9	572.3	11.6	98.2	278.8	73.6
Aug 9, 2:00 AM 15.3 498.1 2.8 571.9 11.4 98.1 278.3 72.8 Aug 9, 3:00 AM 15.3 399.4 2.8 559.8 11.5 98.0 278.5 73.3 Aug 9, 4:00 AM 16.1 393.9 2.8 559.4 11.6 98.0 279.1 73.8 Aug 9, 5:00 AM 15.5 385.4 2.8 554.8 11.5 98.0 279.0 730.4 Aug 9, 5:00 AM 15.5 385.4 2.8 554.8 11.5 97.9 279.8 73.3 Aug 9, 7:00 AM 15.5 385.4 2.8 564.8 11.5 97.9 279.8 73.3 Aug 9, 7:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.8 72.9 Aug 9, 8:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 279.8 229.8 Aug 9, 10:00 AM 15.0 314.2 2.9 448.7 11.5 97.8 280.5 72.9 Aug 9, 10:00 AM 15.0 314.2 2.9 448.7 11.9 97.7 281.6 75.1 Aug 9, 11:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 11:00 PM 15.2 398.7 2.8 559.1 11.9 97.7 281.5 75.2 Aug 9, 11:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 751.4 Aug 9, 3:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 282.0 751.4 Aug 9, 3:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 281.7 74.2 Aug 9, 4:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 281.7 74.2 Aug 9, 4:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 281.7 75.0 Aug 9, 6:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 281.7 75.0 Aug 9, 6:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 281.7 75.0 Aug 9, 6:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 281.7 75.0 Aug 9, 6:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.0 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 279.7 75.1 Aug 9, 8:00 PM 14.6 408.1 2.7 560.6 11.6 98.2 278.9 738.4 Aug 9, 9:00 PM 14.6 408.1 2.7 560.6 11.6 98.2 278.9 738.4 Aug 9, 9:00 PM 14.6 408.1 2.7 560.6 11.6 98.3 279.7 75.2 Aug 9, 1:00 PM 14.8 382.6 2.9 536.6 11.5 98.3 279.7 75.2 Aug 9, 1:00 PM 14.8 386.6 3.0 542.5 11.9 98.3 279.7 75.2 Aug 9, 1:00 PM 14.6 408.1 2.7 560.6 11.6 98.2 278.9 738.4 Aug 9, 1:00 PM 14.6 408.1 2.7 560.6 11.6 98.2 278.9 738.4 Aug 9, 1:00 PM 14.6 408.1 2.7 560.6 11.6 98.3 279.7 75.2 Aug 9, 1:00 PM 14.6 408.1 2.7 560.6 11.6 98.3 279.9 75.5 Aug 10, 1:00 AM 14.3 380.0 3.0 543.1 12.0 98.3 280.0 75.0 Aug 10, 1:00 AM 14.4 386.6 3.0 542.5	-	15.3	404.3	2.8	567.0	11.5	98.1	278.2	73.5
Aug 9, 4:00 AM 16.1 393.9 2.8 559.4 11.6 98.0 279.1 73.8 Aug 9, 5:00 AM 15.4 396.4 2.8 554.8 11.5 98.0 279.0 73.0 Aug 9, 6:00 AM 15.5 385.4 2.8 54.8 11.5 97.9 279.3 73.0 Aug 9, 6:00 AM 15.5 386.4 2.8 54.8 11.5 97.9 279.3 73.0 Aug 9, 8:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.8 72.9 Aug 9, 8:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 260.5 72.9 Aug 9, 9:00 AM 16.0 314.2 2.9 448.7 11.9 97.7 281.6 75.1 Aug 9, 1:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 1:00 PM 15.3 390.2 2.8 569.1 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 1:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.0 75.2 Aug 9, 5:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.0 75.2 Aug 9, 5:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.0 75.2 Aug 9, 6:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 27.7 73.4 Aug 9, 6:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 27.7 75.4 Aug 9, 6:00 PM 15.8 382.6 2.9 538.6 11.5 98.1 279.7 75.1 Aug 9, 6:00 PM 14.6 405.4 2.7 560.6 11.5 98.1 279.7 75.1 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.5 98.1 279.7 75.1 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.3 279.9 75.0 Aug 10, 1:00 AM 14.4 386.6 3.0 560.5 560.5 560.5 560.6	-	15.3	408.1	2.8	571.9	11.4	98.1	278.3	72.8
Aug 9, 5:00 AM 15.4 395.4 2.8 554.8 11.5 98.0 279.0 73.0 Aug 9, 5:00 AM 15.5 385.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 5:00 AM 15.5 374.2 2.8 524.8 11.5 97.9 279.8 73.3 Aug 9, 7:00 AM 15.5 374.2 2.8 524.8 11.5 97.8 279.8 72.9 Aug 9, 8:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.8 72.9 Aug 9, 9:00 AM 16.0 314.2 2.9 448.7 11.9 97.7 281.6 75.1 Aug 9, 11:00 AM 15.3 363.0 2.8 599.0 11.9 97.7 281.5 75.1 Aug 9, 11:00 PM 15.3 390.2 2.8 559.1 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.7 72.2 Aug 9, 1:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 282.0 75.1 Aug 9, 4:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 282.0 75.1 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.3 Aug 9, 5:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 72.8 Aug 9, 5:00 PM 15.9 384.8 2.9 518.3 11.9 97.8 281.6 72.8 Aug 9, 7:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.2 Aug 9, 7:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.2 Aug 9, 7:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 5:00 PM 14.8 382.6 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.8 382.6 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.4 382.6 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.4 382.6 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.4 383.0 2.8 546.6 11.5 98.1 279.7 75.1 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.5 98.1 279.7 75.1 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 10:00 PM 14.4 383.0 3.1 546.7 11.9 98.3 279.9 75.9 Aug 10.1:00 AM 14.3 389.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10.1:00 AM 14.4 387.0 3.0 542.5 11.9 98.3 279.9 75.9 Aug 10.1:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 75.9 Aug 10.1:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 75.0 Aug 10.1:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 75.0 Aug 10.1:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 75.0 Aug 10.1:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 75.0 Aug 10.1:00 AM 14.5 367.8 2.8 599.9 12.0 98.5 281.4 76.0 Aug 10.1:00 AM 14.5 367.8 2.8 599.9 12.0 98.5 281.4 76.0 Aug 10.1:00 AM 14.5 367.4 2.8 599.9 12.0 98.5	Aug 9, 3:00 AM	15.3	399.4	2.8	559.8	11.5	98.0	278.5	73.3
Aug 9, 6:00 AM 15.5 385.4 2.8 540.6 11.6 97.9 279.8 73.3 Aug 9, 7:00 AM 15.5 374.2 2.8 524.8 11.5 97.9 279.3 73.0 Aug 9, 7:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.3 73.0 Aug 9, 9:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 9:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 1:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.6 75.1 Aug 9, 1:100 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.5 Aug 9, 1:00 PM 15.3 380.2 2.8 559.1 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.9 381.6 2.8 537.7 11.9 97.7 281.5 75.2 Aug 9, 2:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 3:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.3 Aug 9, 4:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 586.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 15.5 381.0 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.8 382.6 2.9 586.6 11.5 98.1 278.5 73.4 Aug 9, 10:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 386.6 3.0 542.5 11.9 98.3 279.1 74.2 Aug 9, 10:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 386.6 3.0 542.5 11.9 98.3 279.1 74.2 Aug 10, 10:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 10:00 AM 14.3 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.3 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.9 77.0 Aug 10, 10:00 AM 14.4 386.4 3.0 510.7 12.0 98.5 281.4 76.0 Aug 10, 10:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 282.4 77.5 Aug 10, 10:00 AM 14.6 3	Aug 9, 4:00 AM	16.1	393.9	2.8	559.4	11.6	98.0	279.1	73.8
Aug 9, 7:00 AM	-	15.4	395.4	2.8	554.8	11.5	98.0	279.0	73.0
Aug 9, 7:00 AM	=	15.5	385.4	2.8	540.6	11.6	97.9	279.8	73.3
Aug 9, 8:00 AM 15.5 361.0 2.8 508.1 11.5 97.8 279.8 72.9 Aug 9, 9:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 10:00 AM 16.0 344.2 2.9 448.7 11.9 97.7 281.6 75.1 Aug 9, 11:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 12:00 PM 15.2 398.7 2.8 559.1 11.9 97.7 281.5 75.2 Aug 9, 12:00 PM 15.3 390.2 2.8 509.0 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.3 390.2 2.8 509.1 11.9 97.8 282.0 75.1 Aug 9, 2:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 3:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 281.6 74.3 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.3 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.0 Aug 9, 5:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 279.5 73.4 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 15.3 382.4 2.7 560.6 11.6 98.2 279.9 73.8 Aug 9, 1:00 PM 14.3 383.0 3.1 546.7 12.0 98.3 279.7 75.2 Aug 10, 1:00 PM 15.3 382.4 2.7 566.5 11.8 98.3 279.7 75.2 Aug 9, 1:100 PM 15.3 382.4 2.7 566.5 11.8 98.3 279.7 75.2 Aug 10, 1:00 PM 14.3 383.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 383.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 75.0 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.1 Aug 10, 2:00 AM 14.4 386.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 2:00 AM 14.5 364.4 3.0 510.7 12.0 98.5 281.4 76.0 Aug 10, 2:00 AM 14.5 364.4 3.0 510.7 12.0 98.5 282.1 77.0 Aug 10, 1:00 AM 14.5 364.4 3.0	-	15.5	374.2	2.8	524.8	11.5	97.9	279.3	73.0
Aug 9, 9:00 AM 15.6 342.6 2.7 480.3 11.5 97.8 280.5 72.9 Aug 9, 10:00 AM 16.0 314.2 2.9 448.7 11.9 97.7 281.5 75.1 Aug 9, 11:00 PM 15.3 363.0 2.8 599.1 11.9 97.7 281.5 75.1 Aug 9, 1:00 PM 15.2 398.7 2.8 599.1 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.7 74.2 Aug 9, 1:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 3:00 PM 15.2 376.6 2.8 529.0 11.8 97.8 281.6 74.3 Aug 9, 5:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 538.0 11.8 98.1 279.7 7	-	15.5	361.0	2.8	508.1	11.5	97.8	279.8	72.9
Aug 9, 10:00 AM 16.0 314.2 2.9 448.7 11.9 97.7 281.6 75.1 Aug 9, 11:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 11:00 PM 15.2 398.7 2.8 559.1 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.5 75.2 Aug 9, 2:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 3:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 3:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.6 74.3 Aug 9, 4:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.4 Aug 9, 6:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 6:00 PM 14.8 382.6 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.0 278.6 72.8 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 1:00 PM 14.8 382.0 31.5 546.7 12.0 98.3 279.1 75.2 Aug 9, 1:00 PM 15.3 392.4 2.7 563.5 11.8 98.3 279.7 75.2 Aug 11:00 PM 15.3 392.4 2.7 563.5 11.9 98.3 279.7 75.2 Aug 11:00 PM 15.3 392.4 2.7 563.5 11.9 98.3 279.7 75.2 Aug 10, 1:00 AM 14.3 390.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 1:00 AM 14.3 386.6 3.0 542.5 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.0 76.0 Aug 10, 4:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 5:00 AM 14.5 364.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 6:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 6:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 6:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 6:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 6:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 6:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 6:00 AM 14.5 362.8 2.8 509.9 12.0 98.5 282.1 77.0 Aug 10, 6:00 AM 14.5 362.3 2.8 562.8 562.9 11.9 98.6 282.3 75.7	•								72.9
Aug 9, 11:00 AM 15.3 363.0 2.8 509.0 11.9 97.7 281.5 75.1 Aug 9, 12:00 PM 15.2 398.7 2.8 559.1 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.7 74.2 Aug 9, 2:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 3:00 PM 15.2 376.6 2.8 529.0 11.8 97.8 281.6 74.3 Aug 9, 5:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.0 Aug 9, 6:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 7	-			2.9		11.9			
Aug 9, 12:00 PM 15.2 398.7 2.8 559.1 11.9 97.7 281.5 75.2 Aug 9, 1:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.7 74.2 Aug 9, 2:00 PM 15.9 381.6 2.8 529.0 11.8 97.8 282.0 75.1 Aug 9, 3:00 PM 15.2 376.6 2.8 529.0 11.8 97.8 281.7 75.0 Aug 9, 5:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.0 Aug 9, 5:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 16.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.5 98.1 278.5 73	-	15.3	363.0	2.8	509.0	11.9	97.7	281.5	75.1
Aug 9, 1:00 PM 15.3 390.2 2.8 545.5 11.8 97.7 281.7 74.2 Aug 9, 2:00 PM 15.9 381.6 2.8 537.7 11.9 97.8 282.0 75.1 Aug 9, 3:00 PM 15.2 376.6 2.8 529.0 11.8 97.8 281.6 74.3 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.0 Aug 9, 6:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 405.4 2.7 560.6 11.6 98.3 279.1 74	Aug 9, 12:00 PM	15.2	398.7	2.8	559.1	11.9	97.7	281.5	75.2
Aug 9, 3:00 PM 15.2 376.6 2.8 529.0 11.8 97.8 281.6 74.3 Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.0 Aug 9, 6:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 278.5 73.4 Aug 9, 10:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 11:00 PM 15.3 392.4 2.7 563.6 11.7 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76	Aug 9, 1:00 PM	15.3	390.2	2.8	545.5	11.8	97.7	281.7	74.2
Aug 9, 4:00 PM 15.9 364.8 2.9 518.3 11.9 97.8 281.7 75.0 Aug 9, 5:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 278.5 73.4 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 11:00 PM 15.3 392.4 2.7 566.5 11.8 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5	Aug 9, 2:00 PM	15.9	381.6	2.8	537.7	11.9	97.8	282.0	75.1
Aug 9, 5:00 PM 15.0 373.5 2.9 524.5 11.6 97.9 279.7 73.4 Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 278.5 73.4 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 10:100 PM 15.3 392.4 2.7 546.5 11.8 98.3 279.7 75.2 Aug 10, 1:200 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 1	Aug 9, 3:00 PM	15.2	376.6	2.8	529.0	11.8	97.8	281.6	74.3
Aug 9, 6:00 PM 14.8 382.6 2.9 536.6 11.5 98.0 278.6 72.8 Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 278.5 73.4 Aug 9, 10:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 11:00 PM 15.3 392.4 2.7 546.5 11.8 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 386.6 3.0 542.5 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 280.1 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 572.6 <	Aug 9, 4:00 PM	15.9	364.8	2.9	518.3	11.9	97.8	281.7	75.0
Aug 9, 7:00 PM 15.5 381.0 2.9 538.0 11.8 98.1 279.7 75.1 Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 278.5 73.4 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 11:00 PM 15.3 392.4 2.7 546.5 11.8 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 390.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 75.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.6 282.5 76.1 Aug 10, 11:00 AM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 9, 5:00 PM	15.0	373.5	2.9	524.5	11.6	97.9	279.7	73.4
Aug 9, 8:00 PM 14.7 393.5 2.8 546.6 11.5 98.1 278.5 73.4 Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 11:00 PM 15.3 392.4 2.7 546.5 11.8 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 380.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7	Aug 9, 6:00 PM	14.8	382.6	2.9	536.6	11.5	98.0	278.6	72.8
Aug 9, 9:00 PM 14.6 405.4 2.7 560.6 11.6 98.2 278.9 73.8 Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 11:00 PM 15.3 392.4 2.7 546.5 11.8 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 390.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5	Aug 9, 7:00 PM	15.5	381.0	2.9	538.0	11.8	98.1	279.7	75.1
Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 11:00 PM 15.3 392.4 2.7 546.5 11.8 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 390.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9	Aug 9, 8:00 PM	14.7	393.5	2.8	546.6	11.5	98.1	278.5	73.4
Aug 9, 10:00 PM 14.6 408.1 2.7 563.6 11.7 98.3 279.1 74.2 Aug 9, 11:00 PM 15.3 392.4 2.7 546.5 11.8 98.3 279.7 75.2 Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 390.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9	Aug 9, 9:00 PM	14.6	405.4	2.7	560.6	11.6	98.2	278.9	73.8
Aug 10, 12:00 AM 14.3 388.0 3.1 546.7 12.0 98.3 280.6 76.0 Aug 10, 1:00 AM 14.3 390.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3	Aug 9, 10:00 PM	14.6	408.1	2.7	563.6	11.7	98.3	279.1	74.2
Aug 10, 1:00 AM 14.3 390.9 3.0 548.2 11.9 98.3 279.9 75.9 Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3	Aug 9, 11:00 PM	15.3	392.4	2.7	546.5	11.8	98.3	279.7	75.2
Aug 10, 2:00 AM 14.4 386.6 3.0 542.5 11.9 98.3 279.9 76.0 Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 385.4 2.7 531.8 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8	Aug 10, 12:00 AM	14.3	388.0	3.1	546.7	12.0	98.3	280.6	76.0
Aug 10, 3:00 AM 14.4 387.0 3.0 543.1 12.0 98.3 280.1 76.0 Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9	Aug 10, 1:00 AM	14.3	390.9	3.0	548.2	11.9	98.3	279.9	75.9
Aug 10, 4:00 AM 15.2 371.5 3.0 527.6 12.1 98.3 280.9 77.0 Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 2:00 AM	14.4	386.6	3.0	542.5	11.9	98.3	279.9	76.0
Aug 10, 5:00 AM 14.3 364.4 3.0 510.7 12.0 98.3 280.0 76.1 Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 3:00 AM	14.4	387.0	3.0	543.1	12.0	98.3	280.1	76.0
Aug 10, 6:00 AM 15.2 352.6 2.9 497.5 12.2 98.4 282.6 77.5 Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 4:00 AM	15.2	371.5	3.0	527.6	12.1	98.3	280.9	77.0
Aug 10, 7:00 AM 14.5 367.8 2.8 509.9 12.0 98.5 281.4 76.0 Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 5:00 AM	14.3	364.4	3.0	510.7	12.0	98.3	280.0	76.1
Aug 10, 8:00 AM 14.6 361.4 2.8 502.4 12.0 98.5 281.9 76.5 Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 6:00 AM	15.2	352.6	2.9	497.5	12.2	98.4	282.6	77.5
Aug 10, 9:00 AM 14.6 373.7 2.7 516.1 12.1 98.5 282.1 77.0 Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 7:00 AM	14.5	367.8	2.8	509.9	12.0	98.5	281.4	76.0
Aug 10, 10:00 AM 14.5 372.9 2.8 515.3 12.0 98.5 282.4 76.0 Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 8:00 AM	14.6	361.4	2.8	502.4	12.0	98.5	281.9	76.5
Aug 10, 11:00 AM 14.5 385.4 2.7 531.8 12.0 98.6 282.5 76.1 Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 9:00 AM	14.6	373.7	2.7	516.1	12.1	98.5	282.1	77.0
Aug 10, 12:00 PM 14.5 382.3 2.8 528.9 11.9 98.6 282.3 75.7	Aug 10, 10:00 AM	14.5	372.9	2.8	515.3	12.0	98.5	282.4	76.0
•	Aug 10, 11:00 AM	14.5	385.4	2.7	531.8	12.0	98.6	282.5	76.1
Aug 10, 1:00 PM 15.2 387.2 2.8 543.4 12.3 98.5 283.1 77.6	Aug 10, 12:00 PM	14.5	382.3	2.8	528.9	11.9	98.6	282.3	75.7
	Aug 10, 1:00 PM	15.2	387.2	2.8	543.4	12.3	98.5	283.1	77.6

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 10, 2:00 PM	14.4	388.9	2.8	539.6	12.1	98.5	282.4	76.5
Aug 10, 3:00 PM	14.4	384.4	2.8	533.3	12.1	98.5	282.7	76.7
Aug 10, 4:00 PM	15.2	373.3	2.9	524.8	12.3	98.5	283.0	77.8
Aug 10, 5:00 PM	14.5	382.8	2.7	525.6	11.9	98.5	281.9	75.7
Aug 10, 6:00 PM	14.6	386.3	2.7	530.9	11.8	98.5	281.3	75.2
Aug 10, 7:00 PM	15.2	383.9	2.7	532.4	11.9	98.5	280.4	75.9
Aug 10, 8:00 PM	14.4	382.9	2.7	527.9	11.7	98.5	279.2	74.8
Aug 10, 9:00 PM	14.5	379.4	2.7	522.0	11.7	98.6	279.2	74.5
Aug 10, 10:00 PM	14.5	382.5	2.7	526.0	11.7	98.6	279.4	74.7
Aug 10, 11:00 PM	14.5	377.1	2.7	518.6	11.8	98.6	279.3	75.1
Aug 11, 12:00 AM	15.3	367.2	2.7	511.2	11.8	98.6	280.2	75.4
Aug 11, 1:00 AM	14.4	375.1	2.7	515.7	11.7	98.6	279.1	74.7
Aug 11, 2:00 AM	14.5	372.2	2.7	511.4	11.7	98.6	279.1	74.4
Aug 11, 3:00 AM	14.5	370.3	2.7	508.7	11.7	98.5	279.3	74.6
Aug 11, 4:00 AM	15.4	359.4	2.7	499.8	12.0	98.5	280.2	76.4
Aug 11, 5:00 AM	14.5	370.0	2.7	509.1	11.7	98.5	279.4	74.7
Aug 11, 6:00 AM	14.5	372.0	2.7	511.4	11.8	98.5	279.3	75.0
Aug 11, 7:00 AM	15.4	367.2	2.6	509.7	11.9	98.5	279.7	75.8
Aug 11, 8:00 AM	14.6	366.7	2.7	506.0	11.9	98.5	280.5	75.6
Aug 11, 9:00 AM	14.6	369.8	2.6	508.1	11.8	98.5	280.6	75.4
Aug 11, 10:00 AM	14.6	374.8	2.7	515.5	11.9	98.6	280.5	75.5
Aug 11, 11:00 AM	14.6	361.8	2.6	496.9	11.9	98.6	280.9	75.6
Aug 11, 12:00 PM	15.2	353.4	2.7	491.5	12.1	98.5	282.2	77.0
Aug 11, 1:00 PM	14.6	361.4	2.7	497.0	11.9	98.5	281.0	75.6
Aug 11, 2:00 PM	14.6	363.4	2.6	499.0	11.8	98.5	280.8	75.3
Aug 11, 3:00 PM	14.6	370.7	2.6	509.2	11.8	98.5	280.2	74.9
Aug 11, 4:00 PM	15.3	359.9	2.7	502.5	12.0	98.5	280.4	76.1
Aug 11, 5:00 PM	14.4	372.4	2.7	511.2	11.6	98.5	279.1	73.9
Aug 11, 6:00 PM	14.5	372.4	2.7	511.7	11.7	98.5	279.5	74.7
Aug 11, 7:00 PM	15.5	358.1	2.6	496.8	11.8	98.5	280.4	75.1
Aug 11, 8:00 PM	14.6	352.3	2.7	486.7	11.7	98.5	279.4	74.3
Aug 11, 9:00 PM	14.6	350.3	2.7	482.1	11.6	98.5	279.3	74.2
Aug 11, 10:00 PM	14.6	351.8	2.7	484.0	11.7	98.5	279.6	74.5
Aug 11, 11:00 PM	15.4	344.3	2.6	476.3	11.8	98.5	280.4	75.3
Aug 12, 12:00 AM	14.7	342.4	2.8	474.9	11.8	98.5	280.1	75.3
Aug 12, 1:00 AM	14.7	345.8	2.7	476.5	11.8	98.5	279.3	75.1
Aug 12, 2:00 AM	14.7	346.9	2.7	477.8	11.7	98.5	279.3	74.4
Aug 12, 3:00 AM	14.7	340.6	2.7	469.3	11.7	98.6	279.4	74.8
Aug 12, 4:00 AM	15.5	324.5	2.7	452.9	12.0	98.6	280.1	76.2
Aug 12, 5:00 AM	14.6	324.9	2.7	447.5	11.8	98.6	279.3	75.0
Aug 12, 6:00 AM	15.4	321.2	2.6	446.3	12.0	98.6	280.1	76.5
Aug 12, 7:00 AM	14.6	325.5	2.7	448.4	11.8	98.7	279.2	75.2
Aug 12, 8:00 AM	14.6	332.1	2.7	458.5	11.7	98.7	279.1	74.7
Aug 12, 9:00 AM	14.7	322.6	2.7	445.7	11.6	98.7	279.3	74.4
Aug 12, 10:00 AM	14.7	332.4	2.7	460.5	11.6	98.8	279.0	74.1
Aug 12, 11:00 AM	14.7	338.5	2.7	467.9	11.6	98.8	278.9	74.5
Aug 12, 11:00 PM	15.3	335.5	2.7	468.6	12.1	98.8	280.1	77.0
Aug 12, 1:00 PM	14.8	338.3	2.7	469.1	11.7	98.8	279.1	74.6
Aug 12, 2:00 PM	14.9	337.9	2.7	468.4	11.6	98.8	278.7	73.9
Aug 12, 3:00 PM	15.0	339.7	2.7	470.5	MV	98.8	278.9	MV
Aug 12, 4:00 PM	15.6	323.0	2.7	453.1	11.6	98.7	280.2	74.2
Aug 12, 5:00 PM	14.9	333.6	2.7	463.2	11.6	98.7	278.9	74.2
Aug 12, 6:00 PM	14.9	335.0	2.7	464.8	11.6	98.7	279.2	74.4
Aug 12, 7:00 PM	15.7	324.3	2.8	457.2	12.0	98.7	280.9	76.3
3 ,								. 2.0

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 12, 8:00 PM	14.7	335.2	2.9	468.1	11.7	98.7	279.9	74.7
Aug 12, 9:00 PM	14.8	335.1	2.8	466.8	11.8	98.8	279.8	75.2
Aug 12, 10:00 PM	14.8	332.0	2.8	462.3	11.8	98.8	280.1	75.2
Aug 12, 11:00 PM	14.8	340.6	2.8	474.2	11.7	98.8	279.9	75.1
Aug 13, 12:00 AM	15.5	321.3	2.9	453.7	12.0	98.8	280.8	76.6
Aug 13, 1:00 AM	14.7	334.4	2.9	468.9	11.9	98.8	280.1	76.2
Aug 13, 2:00 AM	14.7	328.9	2.9	460.5	12.0	98.8	280.4	76.4
Aug 13, 3:00 AM	14.7	298.3	2.9	418.0	11.9	98.9	280.4	76.3
Aug 13, 4:00 AM	15.6	278.9	2.9	394.2	12.1	98.9	281.1	77.2
Aug 13, 5:00 AM	14.8	355.5	2.7	492.9	11.8	98.9	279.8	75.8
Aug 13, 6:00 AM	15.1	383.0	2.7	531.1	11.9	99.0	279.9	76.0
Aug 13, 7:00 AM	15.3	382.8	2.7	533.9	12.0	99.0	280.7	76.6
Aug 13, 8:00 AM	14.8	394.0	2.7	546.6	11.8	99.0	279.8	75.6
Aug 13, 9:00 AM	14.9	400.2	2.7	553.5	11.8	99.0	279.7	75.9
Aug 13, 10:00 AM	14.8	399.9	2.7	553.8	11.8	99.1	280.0	75.6
Aug 13, 11:00 AM	14.8	399.9	2.7	553.4	11.8	99.1	280.2	75.7
Aug 13, 12:00 PM	15.6	384.5	2.7	538.9	11.8	99.1	281.0	75.7
Aug 13, 1:00 PM	14.8	381.5	2.7	529.0	11.9	99.0	279.9	76.3
Aug 13, 2:00 PM	14.8	380.1	2.7	526.1	MV	99.0	279.9	MV
Aug 13, 3:00 PM	14.9	375.3	2.7	519.3	12.2	99.0	280.1	77.9
Aug 13, 4:00 PM	15.7	352.8	2.7	494.3	11.9	99.0	280.7	75.9
Aug 13, 5:00 PM	14.8	365.8	2.7	506.0	11.6	98.9	279.7	74.5
Aug 13, 6:00 PM	15.6	357.5	2.7	498.9	11.9	98.9	280.2	75.9
Aug 13, 7:00 PM	14.7	351.8	3.0	494.3	11.8	99.0	280.1	75.8
Aug 13, 8:00 PM	14.8	346.3	2.9	486.5	11.8	99.0	280.1	75.8
Aug 13, 9:00 PM	14.9	340.9	2.9	478.4	11.9	99.0	280.9	76.2
Aug 13, 10:00 PM	14.9	338.4	2.9	474.6	12.0	99.0	281.3	76.5
Aug 13, 11:00 PM	14.9	335.8	2.9	471.2	12.1	99.0	281.5	76.9
Aug 14, 12:00 AM	15.8	324.7	2.9	460.1	12.2	99.0	281.8	77.6
Aug 14, 1:00 AM	15.1	329.4	2.9	463.1	12.1	99.0	280.0	77.2
Aug 14, 2:00 AM	15.0	327.1	2.8	456.9	11.8	99.0	278.8	75.9
Aug 14, 3:00 AM	15.0	318.5	2.8	444.5	MV	99.0	278.7	MV
Aug 14, 4:00 AM	16.0	307.7	2.8	435.7	11.6	99.1	279.1	74.8
Aug 14, 5:00 AM	15.3	290.7	2.7	404.7	11.1	99.1	277.2	71.1
Aug 14, 6:00 AM	15.4	284.3	2.7	395.5	11.3	99.1	276.8	72.6
Aug 14, 7:00 AM	16.2	265.3	2.6	373.0	11.9	99.1	277.5	76.2
Aug 14, 8:00 AM	15.5	276.5	2.7	385.7	MV	99.2	276.7	MV
Aug 14, 9:00 AM	15.5	301.4	2.7	420.1	11.8	99.2	276.8	76.1
Aug 14, 10:00 AM	15.4	271.9	2.7	379.2	11.3	99.2	276.5	72.7
Aug 14, 11:00 AM	15.3	289.3	2.7	403.0	11.3	99.3	276.4	72.7
Aug 14, 12:00 PM	15.1	277.7	3.1	442.7	11.3	99.2	277.0	73.1
Aug 14, 1:00 PM	16.1	286.1	2.7	403.7	11.5	99.2	277.6	74.4
Aug 14, 2:00 PM	15.4	296.4	2.7	413.7	11.4	99.2	277.2	73.3
Aug 14, 3:00 PM	15.4	302.0	2.7	421.3	11.4	99.1	277.4	73.6
Aug 14, 4:00 PM	16.1	306.8	2.7	433.4	11.6	99.1	278.4	74.4
Aug 14, 5:00 PM	15.2	318.8	2.7	444.0	11.5	99.1	277.9	73.7
Aug 14, 6:00 PM	15.9	319.3	2.7	447.3	11.6	99.0	278.5	74.4
Aug 14, 7:00 PM	15.5	311.9	2.8	437.9	11.7	99.0	278.5	74.8
Aug 14, 8:00 PM	15.3	310.8	2.8	434.7	11.6	99.1	278.2	74.3
Aug 14, 9:00 PM	15.4	304.3	2.7	424.9	11.5	99.1	278.5	74.1
Aug 14, 10:00 PM	15.3	315.2	2.7	439.5	11.6	99.1	278.6	74.4
Aug 14, 11:00 PM	15.3	311.2	2.7	433.8	11.5	99.1	278.4	74.2
Aug 15, 12:00 AM	16.2	307.8	2.7	434.5	11.8	99.0	279.3	75.7
Aug 15, 1:00 AM	15.3	308.4	2.7	430.5	11.6	99.0	278.2	74.7
Aug 15, 2:00 AM	15.3	309.8	2.7	432.0	11.7	99.0	278.4	74.8

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 15, 3:00 AM	15.2	311.4	2.7	433.9	11.7	99.0	278.4	75.2
Aug 15, 4:00 AM	16.0	305.2	2.7	430.4	11.9	99.0	279.2	76.5
Aug 15, 5:00 AM	15.1	312.3	2.7	434.9	11.7	99.0	278.3	75.5
Aug 15, 6:00 AM	15.3	307.8	2.7	429.0	11.8	99.0	278.4	75.7
Aug 15, 7:00 AM	15.6	305.9	2.8	430.7	11.9	99.1	279.4	76.4
Aug 15, 8:00 AM	15.1	317.6	2.8	443.3	11.7	99.1	278.2	75.3
Aug 15, 9:00 AM	15.4	319.1	2.7	444.2	11.7	99.1	278.4	75.1
Aug 15, 10:00 AM	15.3	316.9	2.7	442.1	11.7	99.1	278.5	75.5
Aug 15, 11:00 AM	15.3	323.3	2.7	449.9	11.6	99.1	278.5	74.9
Aug 15, 12:00 PM	15.9	321.1	2.8	453.7	11.8	99.0	279.3	76.0
Aug 15, 1:00 PM	15.0	334.5	2.7	464.2	11.6	99.0	277.9	74.3
Aug 15, 2:00 PM	15.1	309.7	2.7	429.2	11.4	99.0	277.7	73.4
Aug 15, 3:00 PM	15.0	324.2	2.7	448.8	11.4	98.9	277.9	73.2
Aug 15, 4:00 PM	15.7	301.8	2.8	426.0	11.8	98.9	279.2	75.3
Aug 15, 5:00 PM	14.8	304.8	2.9	427.0	11.7	98.8	278.4	74.9
Aug 15, 6:00 PM	15.4	306.6	2.8	431.0	11.8	98.8	278.9	75.4
Aug 15, 7:00 PM	15.1	299.7	2.9	423.0	11.8	98.8	279.1	75.4
Aug 15, 8:00 PM	14.9	302.0	2.9	424.7	11.7	98.8	278.5	74.9
Aug 15, 9:00 PM	15.0	299.1	2.9	420.5	11.7	98.8	278.8	74.8
Aug 15, 10:00 PM	15.0	294.0	2.9	413.1	11.8	98.8	278.9	75.4
Aug 15, 11:00 PM	15.1	305.4	2.9	429.6	11.9	98.8	279.2	75.9
Aug 16, 12:00 AM	15.0	305.2	2.9	430.5	11.9	98.8	279.4	76.1
Aug 16, 1:00 AM	15.9	299.7	2.9	426.2	12.1	98.7	280.3	77.2
Aug 16, 2:00 AM	15.0	299.8	2.9	422.2	12.0	98.7	279.3	76.5
Aug 16, 3:00 AM	15.1	295.4	2.9	415.6	12.0	98.6	279.5	76.5
Aug 16, 4:00 AM	15.8	294.0	2.9	418.6	12.2	98.6	280.4	77.7
Aug 16, 5:00 AM	15.0	297.6	2.9	418.9	12.0	98.6	279.2	76.5
Aug 16, 6:00 AM	15.1	300.1	2.9	422.7	12.0	98.6	279.5	76.8
Aug 16, 7:00 AM	15.7	291.7	2.9	413.7	12.3	98.6	280.8	78.0
Aug 16, 8:00 AM	15.0	296.5	2.9	417.5	12.0	98.6	279.3	76.3
Aug 16, 9:00 AM	14.9 C	294.0 C	2.9 C	414 C	11.9	98.5	279.0	76.1
Aug 16, 10:00 AM	12.1	272.0	5.7	445.4	12.1	98.5	279.3	77.2
Aug 16, 11:00 AM	16.2	290.2	2.8	411.7	12.3	98.5	280.6	78.6
Aug 16, 12:00 PM	15.0	295.1	3.0	417.7	12.0	98.5	279.4	76.5
Aug 16, 1:00 PM	15.0	291.5	2.9	410.1	12.0	98.4	279.0	76.5
Aug 16, 2:00 PM	15.1	300.2	2.9	421.8	13.62 C	98.4	279.5	86.8 C
Aug 16, 3:00 PM	15.1	299.5	2.9	420.8	12.12 C	98.3	279.4	77.1 C
Aug 16, 4:00 PM	16.0	295.6	2.9	421.0	12.3	98.2	280.3	77.8
Aug 16, 5:00 PM	15.2	305.1	2.9	429.6	12.0	98.2	279.5	76.6
Aug 16, 6:00 PM	15.4	287.6	2.9	406.2	12.3	98.2	279.4	78.0
Aug 16, 7:00 PM	16.2	279.7	2.8	397.0	12.5	98.2	279.4	79.6
Aug 16, 8:00 PM	15.2	277.2	3.0	394.0	12.3	98.2	279.9	78.1
Aug 16, 9:00 PM	15.3	291.2	2.9	411.0	12.2	98.2	278.9	77.7
Aug 16, 10:00 PM	15.2	308.4	2.9	435.0	12.1	98.1	278.9	76.9
Aug 16, 11:00 PM	15.8	304.2	2.8	430.4	12.2	98.1	279.3	77.3
Aug 17, 12:00 AM	15.7	293.1	3.0	418.4	12.2	98.1	279.5	77.2
Aug 17, 1:00 AM	15.4	295.2	2.9	417.3	11.9	98.0	278.7	75.9
Aug 17, 2:00 AM	15.4	283.1	2.9	399.7	12.1	98.0	279.0	76.7
Aug 17, 3:00 AM	15.4 15.9	275.5 272.3	2.9 3.0	389.1 388.9	12.0 12.3	97.9 97.9	279.3 280.4	76.2 78.1
Aug 17, 4:00 AM Aug 17, 5:00 AM			3.0		12.3	97.9	279.4	
Aug 17, 5:00 AM Aug 17, 6:00 AM	15.2 15.2	266.3 279.0	3.0	378.9 397.7	12.2	97.9	280.0	77.0 77.2
Aug 17, 6:00 AM	16.1	279.0	3.0	389.2	12.4	97.9	280.2	77.2 78.4
Aug 17, 7:00 AM	15.3	271.3	3.1	394.0	12.4	97.9	279.8	76.4 77.1
Aug 17, 8:00 AM	15.3	281.2	3.0	400.0	12.2	97.9	279.5	77.1 77.2
Aug 17, 9.00 AIVI	13.3	201.2	3.0	400.0	12.2	91.9	219.5	11.2

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 17, 10:00 AM	15.3	277.9	3.0	395.7	12.2	97.9	279.7	77.2
Aug 17, 11:00 AM	15.3	280.3	3.0	398.5	12.3	97.9	279.8	77.6
Aug 17, 12:00 PM	16.1	273.2	3.0	392.5	12.3	97.9	280.2	77.9
Aug 17, 1:00 PM	15.2	277.2	3.0	393.5	12.1	97.8	279.4	76.8
Aug 17, 2:00 PM	15.2	281.0	3.0	398.4	12.2	97.8	279.5	77.0
Aug 17, 3:00 PM	15.2	284.2	3.0	403.1	12.1	97.7	279.6	76.8
Aug 17, 4:00 PM	15.9	280.5	3.0	401.6	12.3	97.7	280.2	78.0
Aug 17, 5:00 PM	15.3	286.1	2.8	400.8	11.9	97.7	279.6	75.4
Aug 17, 6:00 PM	16.0	281.1	2.7	394.7	12.1	97.7	279.6	76.3
Aug 17, 7:00 PM	15.4	274.5	2.8	384.9	12.0	97.7	279.8	75.7
Aug 17, 8:00 PM	15.3	269.7	2.8	377.4	11.9	97.7	279.3	75.3
Aug 17, 9:00 PM	15.3	275.1	2.7	383.7	11.8	97.7	278.9	74.9
Aug 17, 10:00 PM	15.3	279.2	2.7	389.4	11.9	97.7	279.0	75.2
Aug 17, 11:00 PM	15.5	272.3	2.7	380.6	11.9	97.7	279.2	75.2
Aug 18, 12:00 AM	15.5	254.2	3.0	362.9	12.3	97.7	280.5	77.7
Aug 18, 1:00 AM	15.0	272.9	3.0	385.7	12.1	97.7	279.6	76.6
Aug 18, 2:00 AM	15.2	284.9	2.8	397.5	11.9	97.6	279.2	75.4
Aug 18, 3:00 AM	15.4	272.7	2.7	380.1	12.0	97.6	279.0	75.8
Aug 18, 4:00 AM	15.6	204.4	2.8	286.9	12.1	97.6	277.4	76.8
Aug 18, 5:00 AM	15.6	190.7	2.8	269.3	11.8	97.6	276.9	75.1
Aug 18, 6:00 AM	15.6	196.0	2.9	277.3	11.8	97.6	277.5	74.9
Aug 18, 7:00 AM	16.3	202.2	2.9	288.2	12.1	97.6	279.5	76.3
Aug 18, 8:00 AM	15.7	193.4	2.9	273.6	12.0	97.7	281.3	75.8
Aug 18, 9:00 AM	15.7	194.8	2.8	275.0	12.1	97.7	282.1	76.2
Aug 18, 10:00 AM	15.5	186.1	2.9	263.2	11.7	97.7	279.4	74.1
Aug 18, 11:00 AM	15.5	180.4	2.9	254.9	11.7	97.7	278.2	74.1
Aug 18, 12:00 PM	16.3	237.2	2.9	339.2	12.1	97.6	279.7	76.2
Aug 18, 1:00 PM	15.2	320.6	2.9	452.6	12.0	97.6	279.0	75.7
Aug 18, 2:00 PM	15.1	327.7	2.9	462.1	12.0	97.6	279.6	76.0
Aug 18, 3:00 PM	15.2	333.4	2.9	469.7	12.2	97.6	280.0	77.2
Aug 18, 4:00 PM	16.0	342.1	2.9	487.9	12.3	97.6	280.7	77.4
Aug 18, 5:00 PM	15.1	353.3	2.9	499.0	12.0	97.6	279.1	75.9
Aug 18, 6:00 PM	15.2	359.8	2.9	507.6	12.1	97.6	280.0	76.6
Aug 18, 7:00 PM Aug 18, 8:00 PM	16.0 15.3	353.2 345.8	2.9 3.0	502.9 490.1	12.3 12.2	97.6 97.7	281.0 278.5	77.3 77.1
-						97.8		
Aug 18, 9:00 PM Aug 18, 10:00 PM	15.3 15.2	348.5 364.2	2.9 2.9	493.0 514.1	12.1 12.1	97.8	278.1 278.7	77.1 76.5
Aug 18, 11:00 PM	15.3	354.0	2.9	499.6	12.1	97.8	279.0	76.6
Aug 19, 12:00 AM	15.4	349.3	3.0	496.3	12.1	97.9	279.6	70.0
Aug 19, 1:00 AM	14.7	360.9	3.0	507.2	12.1	97.9	278.9	76.8
Aug 19, 1:00 AM	14.6	374.9	2.9	525.7	12.1	97.9	278.9	76.9
Aug 19, 3:00 AM	14.6	381.3	2.9	534.2	12.1	97.9	279.0	76.9
Aug 19, 4:00 AM	15.4	369.3	2.9	523.1	12.3	97.9	279.9	78.1
Aug 19, 5:00 AM	14.6	378.6	2.9	530.7	12.2	98.0	279.4	77.1
Aug 19, 6:00 AM	14.6	379.9	2.9	531.9	12.1	98.0	279.5	77.0
Aug 19, 7:00 AM	15.5	371.7	2.9	525.0	12.3	98.1	280.4	78.1
Aug 19, 8:00 AM	14.7	379.4	2.9	530.1	12.1	98.1	279.3	76.8
Aug 19, 9:00 AM	14.7	380.1	2.8	529.2	12.1	98.2	279.1	76.8
Aug 19, 10:00 AM	14.7	376.0	2.9	524.1	12.4	98.2	279.4	78.7
Aug 19, 11:00 AM	14.7	372.2	2.8	517.6	12.1	98.3	279.4	77.0
Aug 19, 12:00 PM	15.4	370.5	2.8	519.9	12.3	98.3	280.3	78.1
Aug 19, 1:00 PM	14.6	382.0	2.9	534.9	12.3	98.3	280.2	78.0
Aug 19, 2:00 PM	14.5	387.5	2.8	538.4	12.2	98.3	279.6	77.5
Aug 19, 3:00 PM	14.5	393.9	2.8	546.7	12.2	98.4	279.9	77.3

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 19, 4:00 PM	15.3	390.6	2.8	549.1	12.4	98.4	280.8	78.8
Aug 19, 5:00 PM	14.4	408.0	2.8	566.4	12.1	98.4	279.6	77.4
Aug 19, 6:00 PM	14.4	391.5	3.0	548.3	12.2	98.5	280.5	77.8
Aug 19, 7:00 PM	15.1	377.9	3.0	535.2	12.4	98.5	281.4	78.8
Aug 19, 8:00 PM	14.3	383.3	3.1	539.3	12.3	98.6	280.6	78.0
Aug 19, 9:00 PM	14.3	389.2	3.0	545.8	12.2	98.7	280.8	78.0
Aug 19, 10:00 PM	14.2	383.3	3.0	536.8	12.3	98.7	281.1	78.2
Aug 19, 11:00 PM	14.4	361.6	3.0	507.1	12.4	98.8	281.1	78.8
Aug 20, 12:00 AM	15.2	374.8	3.0	533.0	12.5	98.8	282.1	79.8
Aug 20, 1:00 AM	14.1	391.7	3.0	548.4	12.3	98.8	281.0	78.1
Aug 20, 2:00 AM	14.2	394.4	3.0	551.8	12.3	98.8	281.0	78.1
Aug 20, 3:00 AM	14.1	394.4	3.0	551.6	12.2	98.8	281.1	78.0
Aug 20, 4:00 AM	15.0	389.2	3.0	551.3	12.5	98.8	281.8	79.4
Aug 20, 5:00 AM	14.2	399.1	3.0	557.7	12.3	98.8	280.9	78.6
Aug 20, 6:00 AM	14.7	404.2	2.9	564.4	12.2	98.9	281.1	78.2
Aug 20, 7:00 AM	14.5	398.4	3.0	558.2	12.4	98.9	281.1	79.2
Aug 20, 8:00 AM	14.3	394.3	3.0	550.7	12.3	99.0	280.4	78.5
Aug 20, 9:00 AM	14.4	389.2	2.9	542.9	12.2	99.0	280.3	78.2
Aug 20, 10:00 AM	14.3	397.2	2.9	553.0	12.2	99.0	280.4	78.1
Aug 20, 11:00 AM	14.3	400.5	3.0	548.0	12.2	99.0	280.4	78.2
Aug 20, 12:00 PM	15.2	385.7	2.9	542.0	12.3	99.0	280.7	78.6
Aug 20, 1:00 PM	14.4	384.5	3.0	539.0	12.0	99.0	279.6	76.9
Aug 20, 2:00 PM	14.5	364.7	2.9	510.0	11.9	98.9	279.1	76.5
Aug 20, 3:00 PM	14.4	353.9	2.9	494.0	11.9	98.9	279.3	76.0
Aug 20, 4:00 PM	15.2	352.1	2.9	496.0	12.2	99.0	280.1	77.9
Aug 20, 5:00 PM	14.4	361.5	2.9	505.0	12.0	98.9	279.3	76.8
Aug 20, 6:00 PM	14.6	351.3	2.9	492.0	12.0	98.9	279.7	76.9
Aug 20, 7:00 PM	14.4 M	364.8 M	3.0 C	512 C	12.1	98.9	279.9	77.3
Aug 20, 8:00 PM	14.4	366.6	3.0	515.1	12.0	99.0	279.7	77.2
Aug 20, 9:00 PM	14.4	376.3	3.0	527.4	12.1	99.1	280.0	77.6
Aug 20, 10:00 PM	14.5	371.1	3.0	520.1	12.2	99.1	280.2	78.2
Aug 20, 11:00 PM	15.0	372.9	2.9	524.2	12.4	99.1	280.7	79.1
Aug 21, 12:00 AM	14.8	370.9	3.0	524.6	12.4	99.1	281.0	79.2
Aug 21, 1:00 AM	14.4	371.3	3.0	520.3	12.3	99.1	280.4	78.5
Aug 21, 2:00 AM	14.4	369.3	3.0	517.2	12.2	99.1	280.5	78.2
Aug 21, 3:00 AM	14.6	368.4	3.0	516.9	12.3	99.1	280.5	78.7
Aug 21, 4:00 AM	15.1	368.3	3.0	521.2	12.4	99.1	281.2	79.3
Aug 21, 5:00 AM	14.4	383.0	3.0	536.6	12.2	99.1	280.2	78.3
Aug 21, 6:00 AM	14.4	388.4	3.0	543.6	12.3	99.1	280.5	78.6
Aug 21, 7:00 AM	15.2	390.0	2.9	551.0	12.5	99.1	281.1	79.8
Aug 21, 8:00 AM	14.4	400.7	3.0	562.3	12.2	99.2	280.1	78.4
Aug 21, 9:00 AM	14.5	406.3	2.9	569.0	12.1	99.2	279.9	77.9
Aug 21, 10:00 AM	14.5	405.1	3.0	568.6	12.2	99.2	279.1	78.5
Aug 21, 11:00 AM	14.6	406.4	2.9	569.4	12.1	99.3	278.8	77.7
Aug 21, 12:00 PM	14.9	399.6	2.9	562.3	12.1	99.2	278.8	77.6
Aug 21, 1:00 PM	15.0	387.1	3.0	547.0	12.0	99.2	278.9	77.3
Aug 21, 2:00 PM	14.6	382.3	2.9	535.9	11.9	99.2	277.9	76.7
Aug 21, 3:00 PM	14.8	381.3	2.9	535.4	12.0	99.2	278.1	77.2
Aug 21, 4:00 PM	15.3	369.2	3.0	524.4	12.0	99.1	278.9	77.1
Aug 21, 5:00 PM	14.6	368.1	3.0	517.7	12.0	99.1	278.1	76.9
Aug 21, 6:00 PM	14.8	367.7	3.0	517.9	11.9	99.1	278.4	76.8
Aug 21, 7:00 PM	15.3	363.3	3.0	515.4	12.1	99.1	279.2	77.8
Aug 21, 8:00 PM	14.6	377.0	3.0	531.3	12.0	99.2	278.4	76.9
Aug 21, 9:00 PM	14.5	380.0	3.0	534.5	12.0	99.2	278.9	77.4
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Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 21, 10:00 PM	14.5	388.2	3.0	545.4	12.2	99.2	279.2	78.5
Aug 21, 11:00 PM	14.6	388.3	3.0	546.5	12.2	99.2	279.3	78.6
Aug 22, 12:00 AM	15.3	380.0	3.0	540.6	12.4	99.3	280.3	79.6
Aug 22, 1:00 AM	14.5	388.2	3.0	545.7	12.2	99.2	279.5	78.5
Aug 22, 2:00 AM	14.5	392.1	3.0	551.1	12.3	99.2	279.7	78.9
Aug 22, 3:00 AM	14.5	390.5	3.0	549.1	12.2	99.2	279.7	78.4
Aug 22, 4:00 AM	15.4	355.4	3.0	505.9	12.3	99.2	279.9	79.0
Aug 22, 5:00 AM	14.7	345.4	3.0	486.2	12.0	99.3	278.4	77.1
Aug 22, 6:00 AM	15.0	332.2	3.0	468.6	11.9	99.3	278.2	76.7
Aug 22, 7:00 AM	16.3	324.7	2.9	465.5	12.0	99.4	279.2	77.4
Aug 22, 8:00 AM	14.8	314.8	3.0	445.0	11.7	99.4	277.0	75.4
Aug 22, 9:00 AM	15.0	254.7	2.9	357.4	11.6	99.4	276.7	75.1
Aug 22, 10:00 AM	15.0	220.7	2.9	309.5	11.6	99.4	277.6	75.2
Aug 22, 11:00 AM	15.1	204.1	2.9	286.5	11.5	99.4	276.7	74.6
Aug 22, 12:00 PM	15.9	213.7	2.9	302.9	11.7	99.4	277.2	75.8
Aug 22, 1:00 PM	15.0	205.2	3.0	290.9	11.6	99.4	276.9	75.1
Aug 22, 2:00 PM	15.1	193.2	3.0	273.1	11.5	99.3	276.7	74.2
Aug 22, 3:00 PM	15.7	191.3	2.9	271.4	11.8	99.3	277.0	76.0
Aug 22, 4:00 PM	15.4	195.9	2.9	277.5	11.7	99.2	277.7	75.6
Aug 22, 5:00 PM	15.3	198.2	2.8	277.2	11.6	99.2	276.6	74.7
Aug 22, 6:00 PM	15.8	204.6	2.7	287.3	11.6	99.2	276.7	74.9
Aug 22, 7:00 PM	15.6	202.3	2.8	285.0	11.6	99.2	277.2	74.7
Aug 22, 8:00 PM	15.3	202.9	2.8	284.7	11.6	99.3	276.7	74.8
Aug 22, 9:00 PM	15.3	205.9	2.8	288.4	11.5	99.3	276.7	74.6
Aug 22, 10:00 PM	15.4	209.1	2.8	292.7	11.6	99.4	277.0	74.7
Aug 22, 11:00 PM	15.4	208.0	2.8	291.2	11.5	99.4	276.9	74.3
Aug 23, 12:00 AM	15.9	203.4	2.8	288.0	11.8	99.4	277.8	76.2
Aug 23, 1:00 AM	15.3	203.1	2.8	284.9	11.6	99.4	276.8	74.9
Aug 23, 2:00 AM	15.3	204.0	2.8	285.4	11.5	99.4	276.7	74.6
Aug 23, 3:00 AM	15.2	207.4	2.8	289.8	11.5	99.4	276.7	74.4
Aug 23, 4:00 AM	16.1	199.9	2.8	283.4	11.8	99.4	277.6	76.4
Aug 23, 5:00 AM	15.2	216.8	2.8	303.2	11.5	99.4	276.6	74.6
Aug 23, 6:00 AM	15.2	215.7	2.8	301.4	11.5	99.5	276.9	74.2
Aug 23, 7:00 AM	16.1	205.8	2.7	290.4	11.8	99.5	278.1	75.9
Aug 23, 8:00 AM	15.3	197.1	2.8	276.8	11.6	99.5	277.2	74.9
Aug 23, 9:00 AM	15.4	194.2	2.7	271.7	11.5	99.6	276.9	74.4
Aug 23, 10:00 AM	15.5	191.9	2.8	269.5	11.6	99.6	277.3	74.8
Aug 23, 11:00 AM	15.6	192.5	2.8	270.1	11.5	99.6	277.3	74.6
Aug 23, 12:00 PM	16.5	185.7	2.7	263.3	11.7	99.6	277.9	75.8
Aug 23, 1:00 PM	15.5	189.2	2.8	266.7	11.6	99.5	277.5	75.2
Aug 23, 2:00 PM	15.6	193.2	2.7	271.0	11.6	99.5	277.0	74.9
Aug 23, 3:00 PM	15.6	190.1	2.8	267.0	11.6	99.5	277.2	74.8
Aug 23, 4:00 PM	16.5	187.2	2.8	266.4	11.7	99.5	277.9	75.6
Aug 23, 5:00 PM	15.5	183.7	2.8	257.7	11.6	99.4	277.0	74.8
Aug 23, 6:00 PM	16.4	182.5	2.7	258.2	11.7	99.4	277.8	75.7
Aug 23, 7:00 PM	15.5	184.8	2.8	259.4	11.5	99.4	277.2	74.5
Aug 23, 8:00 PM	15.4	187.3	2.8	262.8	11.6	99.4	277.2	74.6
Aug 23, 9:00 PM	15.5	184.1	2.8	258.0	11.6	99.4	277.4	74.7
Aug 23, 10:00 PM	15.4	187.4	2.8	262.2	11.6	99.4	277.6	75.1
Aug 23, 11:00 PM	16.2	186.0	2.7	262.0	11.8	99.4	278.1	75.9
Aug 24, 12:00 AM	15.5	187.7	2.9	265.1	11.6	99.4	277.8	74.9
Aug 24, 1:00 AM	15.5	189.4	2.8	265.6	11.6	99.4	277.5	74.8
Aug 24, 2:00 AM	15.5	190.0	2.8	266.4	11.6	99.4	277.7	75.1
Aug 24, 3:00 AM	15.5	183.0	2.8	256.4	11.7	99.4	277.8	75.4

Source: FCC Regenerator Overheard via CO Boiler



Aug 24, 500 AM 15.3 184.3 2.8 258.0 11.7 99.4 277.5 75.6 Aug 24, 600 AM 15.4 182.4 2.8 25.3 11.5 90.5 277.4 76.4 Aug 24, 700 AM 10.2 182.1 2.7 257.5 11.8 99.5 278.4 76.2 Aug 24, 800 AM 15.5 185.2 2.8 280.1 11.6 99.5 277.5 74.5 Aug 24, 800 AM 15.5 185.2 2.8 280.1 11.6 99.5 277.5 74.5 Aug 24, 900 AM 15.7 190.2 2.7 267.0 11.6 99.5 277.5 74.4 Aug 24, 900 AM 15.6 184.0 2.8 28.90 11.6 99.5 277.5 74.4 Aug 24, 100 AM 15.6 184.0 2.8 28.90 11.6 99.5 277.5 74.4 Aug 24, 100 AM 15.6 184.0 2.8 28.80 11.6 99.5 277.5 75.5 Aug 24, 100 PM 15.6 187.0 2.8 28.80 11.6 99.5 277.5 75.5 Aug 24, 100 PM 15.6 187.0 2.8 28.80 11.6 99.5 277.5 75.5 Aug 24, 200 PM 15.6 187.0 2.8 28.80 11.6 99.5 277.5 75.5 Aug 24, 200 PM 15.6 187.0 2.8 28.80 11.6 99.4 277.4 74.5 Aug 24, 200 PM 15.5 187.0 2.8 28.80 11.6 99.4 277.3 75.5 Aug 24, 200 PM 15.5 189.0 2.8 267.0 11.5 99.4 277.2 74.5 Aug 24, 200 PM 15.5 189.0 2.8 267.0 11.5 99.4 277.2 74.5 Aug 24, 200 PM 15.5 184.0 2.8 28.5 11.6 99.3 277.5 74.4 Aug 24, 400 PM 15.5 184.0 2.8 28.5 11.7 99.3 277.0 74.2 Aug 24, 500 PM 15.5 184.0 2.8 28.5 11.7 99.3 277.0 74.4 Aug 24, 500 PM 15.5 184.0 2.8 28.0 11.5 99.2 277.1 74.4 Aug 24, 500 PM 15.5 184.0 2.8 28.0 11.5 99.2 277.1 74.4 Aug 24, 900 PM 15.5 187.0 2.8 28.0 MM 15.5 99.2 277.1 74.4 Aug 24, 900 PM 15.5 177.0 2.9 29.3 11.5 99.2 277.1 74.4 Aug 24, 900 PM 15.5 187.0 188.8 183.5 2.8 265.5 11.5 99.2 277.5 74.4 Aug 24, 900 PM 15.5 177.0 2.9 29.3 11.5 99.2 277.5 74.4 Aug 24, 900 PM 15.5 187.0 188.8 183.5 2.8 265.9 11.5 99.2 277.5 74.4 Aug 25, 200 AM 15.5 183.0 183.5 2.8 285.9 11.6 99.2 277.5 74.4 Aug 25, 200 AM 15.8 183.5 2.8 285.9 11.6 99.2 277.5 74.4 Aug 25, 200 AM 15.8 183.5 2.8 285.9 11.6 99.2 277.5 74.4 Aug 25, 200 AM 15.8 183.5 2.8 285.9 11.5 99.2 277.5 74.4 Aug 25, 200 AM 15.5 183.5 183.5 2.8 285.9 11.5 99.2 277.5 74.4 Aug 25, 200 AM 15.5 183.5 183.5 2.8 285.9 11.5 99.3 277.5 74.4 Aug 25, 200 AM 15.5 183.5 183.5 2.8 285.9 11.5 99.3 277.5 74.4 Aug 25, 200 AM 15.5 183.5 183.5 2.8 285.9 11.5 99.3 277.5 74.4 Aug 25, 200 AM 15.6 183.5 183.5 2.8 285.9 11.5 99.3 277.5 74	Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 24, 000 AM	Aug 24, 4:00 AM	16.3	178.6	2.8	253.4	11.8	99.4	278.6	76.2
Aug 24, 700 AM 16,2 182,1 27, 257,5 11,8 99,5 277,5 76,1 Aug 24, 900 AM 15,7 190,2 27, 267,0 11,6 99,5 277,5 76,1 Aug 24, 1000 AM 15,7 190,2 27, 267,0 11,6 99,5 277,5 74,4 Aug 24, 1000 AM 15,6 184,0 28, 258,0 11,6 99,5 277,5 74,7 Aug 24, 1100 AM 15,6 184,0 28, 258,0 11,7 90,4 278,3 76,8 Aug 24, 1000 AM 15,7 188,0 28, 268,0 11,7 90,4 277,5 76,1 Aug 24, 1000 AM 15,7 188,0 28, 268,0 11,7 90,4 277,4 Aug 24, 1000 AM 15,7 188,0 28, 267,0 11,5 98,4 277,2 74,3 Aug 24, 1000 AM 15,7 188,0 28, 267,0 11,5 98,4 277,2 74,3 Aug 24, 1000 AM 16,1 184,6 28, 261,5 11,7 90,3 277,9 74,2 Aug 24, 1000 AM 16,1 184,6 28, 261,5 11,7 90,3 277,9 74,2 Aug 24, 1000 AM 15,5 188,0 28, 261,5 11,7 90,3 277,0 74,3 Aug 24, 1000 AM 15,5 188,0 28, 261,5 11,7 90,3 277,0 74,3 Aug 24, 1000 AM 15,5 188,0 28, 264,0 11,5 90,2 277,1 74,0 Aug 24, 1000 AM 15,5 177,0 29, 260,5 11,5 90,2 277,1 74,4 Aug 24, 1000 AM 15,8 181,0 28, 265,5 11,7 90,3 277,7 74,4 Aug 24, 1000 AM 15,8 181,0 28, 265,5 11,5 90,2 277,5 74,4 Aug 24, 1000 AM 15,8 181,0 28, 264,6 11,5 90,2 277,5 74,4 Aug 24, 1000 AM 15,8 181,0 28, 264,6 11,5 90,2 277,7 74,4 Aug 24, 1000 AM 15,8 181,0 28, 264,6 11,5 90,2 277,7 74,4 Aug 24, 1000 AM 15,8 181,0 28, 264,6 11,5 90,2 277,7 74,4 Aug 24, 1000 AM 15,8 181,0 28, 264,6 11,5 90,2 277,7 74,4 Aug 24, 1000 AM 15,8 181,0 28, 264,6 11,5 90,2 277,7 74,4 Aug 24, 1000 AM 15,8 181,0 28, 264,6 11,5 90,2 277,7 74,4 Aug 24, 1000 AM 15,8 Aug 25, 1000 AM 15,8 Aug 26, 1000 AM 15,8 Aug 27, 264,8 Aug 28, 1000 AM 15,8 Aug 28, 1000 AM 1	Aug 24, 5:00 AM	15.3	184.3	2.8	258.0	11.7	99.4	277.5	75.6
Aug 24, 800 AM	Aug 24, 6:00 AM	15.4	182.4	2.8	255.3	11.5	99.4	277.5	74.5
Aug 24, 1000 AM 15.7 190.2 2.7 267.0 11.6 99.5 277.5 7.4.9 Aug 24, 1100 AM 15.6 194.0 2.8 259.0 11.6 99.5 277.5 7.4.7 Aug 24, 1100 AM 15.6 194.0 2.8 259.0 11.6 99.5 277.5 76.1 Aug 24, 1200 PM 15.8 182.2 2.8 258.8 11.7 99.4 278.3 78.8 Aug 24, 120 PM 15.7 189.9 2.8 262.8 11.8 99.4 277.4 74.9 Aug 24, 120 PM 15.7 189.9 2.8 262.8 11.8 99.4 277.2 74.5 Aug 24, 200 PM 15.7 189.9 2.8 262.8 11.8 99.4 277.2 74.5 Aug 24, 200 PM 15.8 198.2 2.7 266.2 11.5 99.3 277.5 74.9 Aug 24, 200 PM 15.1 194.6 2.8 261.5 11.7 93.3 277.5 74.9 Aug 24, 200 PM 15.1 194.6 2.8 261.5 11.7 93.3 277.0 74.3 Aug 24, 200 PM 15.5 194.0 2.8 268.6 11.5 99.3 277.0 74.3 Aug 24, 200 PM 15.5 198.6 2.8 264.6 11.5 99.2 277.1 74.0 Aug 24, 200 PM 15.5 198.6 2.8 264.6 11.5 99.2 277.1 74.0 Aug 24, 200 PM 15.5 198.6 2.8 264.6 11.5 99.2 277.1 74.0 Aug 24, 200 PM 15.5 198.6 2.8 268.5 11.5 99.2 277.5 74.1 Aug 24, 200 PM 15.5 177.0 2.9 250.3 11.5 99.2 277.5 74.1 Aug 24, 200 PM 15.8 181.0 2.8 268.5 11.5 99.3 277.0 74.3 Aug 24, 100.0 PM 15.8 181.0 2.8 268.5 11.5 99.3 277.1 74.4 Aug 24, 100.0 PM 15.8 181.0 2.8 268.5 11.5 99.3 277.1 74.4 Aug 24, 100.0 PM 15.8 181.0 2.8 268.5 11.5 99.3 277.1 74.4 Aug 24, 100.0 PM 15.8 181.0 2.8 268.5 11.5 99.2 277.5 74.1 Aug 24, 200 PM 15.8 181.0 2.8 268.5 11.5 99.2 277.5 74.1 Aug 24, 200 PM 15.8 181.0 2.8 268.5 11.5 99.2 277.5 74.1 Aug 25, 120.0 AM 15.8 181.3 2.8 28.2 284.8 11.6 99.2 277.7 74.9 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.8 183.5 2.8 284.8 11.6 99.2 277.7 74.4 Aug 25, 120.0 AM 15.6 182.9 2.7 28.2 280.0 AM 15.6 182.9 2.7 28.2 280	Aug 24, 7:00 AM	16.2	182.1	2.7	257.5	11.8	99.5	278.4	76.2
Aug 24, 100 0 AM	Aug 24, 8:00 AM	15.5	185.2	2.8	260.1	11.6	99.5	277.3	75.1
Aug 24, 100 0 AM	Aug 24, 9:00 AM	15.7	190.2	2.7	267.0	11.6	99.5	277.5	74.9
Aug 24, 12:00 PM 16.3 182.2 2.8 258.8 11.7 99.4 278.3 75.8 Aug 24, 100 PM 15.6 187.0 2.8 262.8 11.6 99.4 277.4 74.9 Aug 24, 200 PM 15.7 188.9 2.8 267.0 11.5 99.4 277.2 74.5 Aug 24, 300 PM 15.8 188.2 2.7 266.2 11.6 99.3 277.5 74.8 Aug 24, 300 PM 15.8 188.2 2.7 266.2 11.6 99.3 277.5 74.9 Aug 24, 300 PM 15.5 184.0 2.8 285.0 11.5 99.3 277.7 74.3 75.2 Aug 24, 400 PM 15.5 184.0 2.8 285.0 11.5 99.3 277.0 74.3 Aug 24, 600 PM 15.5 184.0 2.8 285.0 11.5 99.3 277.0 74.3 Aug 24, 600 PM 15.5 186.6 2.8 264.6 11.5 99.2 277.1 74.0 Aug 24, 700 PM 16.4 180.5 2.7 255.1 11.6 99.2 277.1 74.0 Aug 24, 700 PM 16.4 180.5 2.7 255.1 11.6 99.2 277.5 74.1 Aug 24, 900 PM 15.5 188.9 2.8 285.5 11.5 99.3 277.0 74.3 Aug 24, 100 PM 15.6 188.9 2.8 285.5 11.5 99.2 277.3 74.9 Aug 24, 100 PM 15.8 188.9 2.8 285.5 11.5 99.3 277.7 74.4 Aug 24, 100 PM 15.8 181.0 2.8 254.8 11.6 99.2 277.3 74.9 Aug 24, 120 PM 15.8 181.0 2.8 254.8 11.6 99.2 277.7 75.1 Aug 24, 200 Aug 25, 120 Aug 25, 120 Aug 24, 120 Aug 25, 120	Aug 24, 10:00 AM	15.6	184.7	2.8	259.7	11.6	99.5		74.7
Aug 24, 12:00 PM 16.3 182.2 2.8 258.8 11.7 99.4 278.3 75.8 Aug 24, 100 PM 15.6 187.0 2.8 262.8 11.6 99.4 277.4 74.9 Aug 24, 200 PM 15.7 188.9 2.8 267.0 11.5 99.4 277.2 74.5 Aug 24, 300 PM 15.8 188.2 2.7 266.2 11.6 99.3 277.5 74.8 Aug 24, 300 PM 15.8 188.2 2.7 266.2 11.6 99.3 277.5 74.9 Aug 24, 300 PM 15.5 184.0 2.8 285.0 11.5 99.3 277.7 74.3 75.2 Aug 24, 400 PM 15.5 184.0 2.8 285.0 11.5 99.3 277.0 74.3 Aug 24, 600 PM 15.5 184.0 2.8 285.0 11.5 99.3 277.0 74.3 Aug 24, 600 PM 15.5 186.6 2.8 264.6 11.5 99.2 277.1 74.0 Aug 24, 700 PM 16.4 180.5 2.7 255.1 11.6 99.2 277.1 74.0 Aug 24, 700 PM 16.4 180.5 2.7 255.1 11.6 99.2 277.5 74.1 Aug 24, 900 PM 15.5 188.9 2.8 285.5 11.5 99.3 277.0 74.3 Aug 24, 100 PM 15.6 188.9 2.8 285.5 11.5 99.2 277.3 74.9 Aug 24, 100 PM 15.8 188.9 2.8 285.5 11.5 99.3 277.7 74.4 Aug 24, 100 PM 15.8 181.0 2.8 254.8 11.6 99.2 277.3 74.9 Aug 24, 120 PM 15.8 181.0 2.8 254.8 11.6 99.2 277.7 75.1 Aug 24, 200 Aug 25, 120 Aug 25, 120 Aug 24, 120 Aug 25, 120	Aug 24, 11:00 AM	15.6	184.0	2.8	258.0	11.6	99.5		75.1
Aug 24, 200 PM 15,7 199,9 2,8 267,0 11,5 99,4 277,2 74,5 Aug 24,400 PM 15,8 199,2 27,7 266,2 11,6 99,3 277,5 74,9 Aug 24,400 PM 16,1 194,6 2,8 261,5 11,7 99,3 277,9 75,2 Aug 24,600 PM 16,5 184,0 2,8 268,0 11,5 99,3 277,0 74,3 Aug 24,600 PM 16,5 184,0 2,8 268,0 11,5 99,3 277,1 74,0 Aug 24,700 PM 16,4 190,5 2,7 265,1 11,6 99,2 277,1 74,0 Aug 24,700 PM 16,4 190,5 2,7 265,1 11,6 99,2 277,5 74,1 Aug 24,700 PM 16,5 188,9 2,8 265,5 11,5 99,2 277,5 74,1 Aug 24,900 PM 15,6 188,9 2,8 265,5 11,5 99,2 277,5 74,1 Aug 24,100 PM 15,6 188,9 2,8 265,5 11,5 99,2 277,5 74,1 Aug 24,100 PM 16,6 173,9 2,7 246,4 11,7 99,2 278,0 76,8 Aug 24,1100 PM 16,6 173,9 2,7 246,4 11,7 99,2 277,7 75,1 Aug 25,1200 AM 15,9 178,6 2,9 259,9 11,6 99,2 277,7 75,1 Aug 25,1200 AM 15,8 183,6 2,8 258,9 11,6 99,2 277,7 74,4 Aug 25,200 AM 15,8 183,5 2,8 258,4 11,6 99,2 277,7 74,4 Aug 25,200 AM 15,8 183,5 2,8 258,4 11,6 99,2 277,7 74,5 Aug 25,200 AM 15,8 183,5 2,8 258,4 11,6 99,2 277,7 74,5 Aug 25,500 AM 15,8 183,5 2,8 264,5 11,7 99,2 277,7 74,5 Aug 25,500 AM 15,8 183,6 2,8 264,5 11,7 99,2 277,8 75,1 Aug 25,500 AM 15,8 183,6 2,8 264,5 11,7 99,2 277,8 75,1 Aug 25,500 AM 15,8 183,6 2,8 264,5 11,7 99,2 277,8 75,1 Aug 25,500 AM 15,6 192,9 2,7 259,3 11,8 99,3 277,5 75,2 Aug 25,500 AM 15,6 182,9 2,7 259,3 11,8 99,3 277,5 74,4 Aug 25,500 AM 15,6 182,9 2,7 259,3 11,8 99,3 277,5 74,4 Aug 25,500 AM 15,6 182,9 2,7 259,3 11,8 99,3 277,5 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,3 11,5 99,5 277,6 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,3 11,5 99,5 277,6 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,3 11,5 99,5 277,6 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,3 11,5 99,5 277,6 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,3 11,5 99,5 277,6 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,3 11,5 99,5 277,6 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,3 11,5 99,5 277,6 74,4 Aug 25,500 AM 15,6 192,3 2,8 261,4 11,5 99,4 277,5 74,4 Aug 25,500 PM 15,6 193,6 2,8 271,9 11,5 99,5 277,6 74,4 Aug 25,500 PM 15,6 193,6 2,8 271,9 11,5 99,5 277,6 74,4 Aug 25,500 PM 15,6 193,6 2,8 271,9 11,5 99,3 277,5 75,5 Aug 25,500 PM 15,6 193,6	Aug 24, 12:00 PM	16.3	182.2	2.8	258.8	11.7	99.4	278.3	75.8
Aug 24, 100 PM	Aug 24, 1:00 PM	15.6	187.0	2.8	262.8	11.6	99.4	277.4	74.9
Aug 24, 4:00 PM	Aug 24, 2:00 PM	15.7	189.9	2.8	267.0	11.5	99.4	277.2	74.5
Aug 24, 6:00 PM	Aug 24, 3:00 PM	15.8	189.2	2.7	266.2	11.6	99.3	277.5	74.9
Aug 24, 600 PM	Aug 24, 4:00 PM	16.1	184.6	2.8	261.5	11.7	99.3	277.9	75.2
Aug 24, 700 PM Aug 24, 700 PM Aug 24, 800 PM 15.5 177.0 2.9 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	Aug 24, 5:00 PM	15.5	184.0	2.8	258.0	11.5	99.3	277.0	74.3
Aug 24, 800 PM	Aug 24, 6:00 PM	15.5	188.6	2.8	264.6	11.5	99.2	277.1	74.0
Aug 24, 9:00 PM Aug 24, 10:00 PM 15.6 188.9 2.8 254.8 11.6 99.2 277.3 74.9 Aug 24, 11:00 PM 16.6 173.9 2.7 246.4 11.7 99.2 278.0 75.6 Aug 25, 12:00 AM 15.9 15.8 183.6 2.8 258.9 11.6 99.2 277.7 75.1 Aug 25, 10:00 AM 15.8 183.5 2.8 258.9 11.6 99.2 277.7 74.9 Aug 25, 2:00 AM 15.8 183.5 2.8 258.9 11.6 99.2 277.7 74.9 Aug 25, 2:00 AM 15.8 183.5 2.8 258.9 11.6 99.2 277.7 74.9 Aug 25, 3:00 AM 15.8 183.5 2.8 258.9 11.6 99.2 277.7 74.9 Aug 25, 3:00 AM 15.8 183.5 2.8 268.4 11.6 99.2 277.7 74.9 Aug 25, 3:00 AM 15.8 188.0 2.8 268.5 11.7 99.2 277.8 75.1 Aug 25, 5:00 AM 15.6 182.9 2.7 259.3 11.8 99.3 277.5 76.2 Aug 25, 5:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.5 74.7 Aug 25, 2:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.5 74.7 Aug 25, 2:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.5 74.7 Aug 25, 2:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.5 74.7 Aug 25, 2:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.5 74.7 Aug 25, 2:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.5 74.7 Aug 25, 2:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.5 74.7 Aug 25, 2:00 AM 15.6 185.9 2.8 268.0 11.5 99.5 277.6 74.2 Aug 25, 2:00 AM 15.6 195.0 2.8 273.8 11.5 99.5 277.6 74.4 Aug 25, 1:00 AM 15.6 193.0 2.8 272.4 11.5 99.4 277.6 74.4 Aug 25, 2:00 PM 15.6 193.0 2.8 272.4 11.5 99.4 277.4 4.4 Aug 25, 2:00 PM 15.6 193.0 2.8 277.1 11.5 99.4 277.4 278.4 Aug 25, 2:00 PM 15.6 193.0 2.8 277.1 28 28 286.6 11.6 99.3 277.4 74.4 Aug 25, 2:00 PM 15.6 193.0 2.8 277.1 11.5 99.4 277.4 74.4 Aug 25, 2:00 PM 15.6 193.0 2.8 277.1 11.5 99.4 277.4 74.4 Aug 25, 2:00 PM 15.6 193.0 2.8 277.1 28 28 29.6 29.6 29.6 29.6 29.6 29.7 29.7 29.7 29.9 29.7 29.9 29.9 20.8 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	Aug 24, 7:00 PM	16.4	180.5	2.7	255.1	11.6	99.2	278.1	75.0
Aug 24, 10:00 PM	Aug 24, 8:00 PM	15.5	177.0	2.9	250.3	11.5	99.2	277.5	74.1
Aug 24, 10:00 PM	Aug 24, 9:00 PM	15.6	188.9	2.8	265.5	11.5	99.3	277.1	74.4
Aug 25, 12:00 AM	Aug 24, 10:00 PM	15.8	181.0	2.8	254.8	11.6		277.3	74.9
Aug 25, 1:00 AM	Aug 24, 11:00 PM	16.6	173.9	2.7	246.4	11.7	99.2	278.0	75.6
Aug 25, 200 AM	Aug 25, 12:00 AM	15.9	178.6	2.9	253.9	11.6	99.2	277.7	75.1
Aug 25, 3:00 AM	Aug 25, 1:00 AM	15.8	183.6	2.8		11.6	99.2	277.4	74.7
Aug 25, 3:00 AM	Aug 25, 2:00 AM	15.8	183.5	2.8	258.4	11.6	99.2	277.7	74.9
Aug 25, 5:00 AM 15.7 186.7 2.8 262.8 11.7 99.3 277.5 75.2 Aug 25, 6:00 AM 16.5 182.9 2.7 259.3 11.8 99.3 278.3 76.1 Aug 25, 7:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.6 74.7 Aug 25, 9:00 AM 15.6 182.3 2.8 269.8 11.5 99.5 277.6 74.2 Aug 25, 10:00 AM 15.6 192.3 2.8 269.8 11.5 99.5 277.6 74.2 Aug 25, 10:00 AM 15.6 193.6 2.8 271.9 11.5 99.5 277.8 74.3 Aug 25, 10:00 PM 16.2 192.0 2.8 272.8 11.7 99.4 278.4 75.2 Aug 25, 10:00 PM 15.6 193.6 2.8 272.4 11.5 99.4 277.3 74.1 Aug 25, 20:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.3	Aug 25, 3:00 AM	15.8	188.0	2.8	264.5	11.7		277.8	75.1
Aug 25, 5:00 AM 15.7 186.7 2.8 262.8 11.7 99.3 277.5 75.2 Aug 25, 6:00 AM 16.5 182.9 2.7 259.3 11.8 99.3 278.3 76.1 Aug 25, 7:00 AM 15.6 185.9 2.8 261.3 11.6 99.4 277.6 74.7 Aug 25, 9:00 AM 15.6 182.3 2.8 269.8 11.5 99.5 277.6 74.2 Aug 25, 10:00 AM 15.6 192.3 2.8 269.8 11.5 99.5 277.6 74.2 Aug 25, 10:00 AM 15.6 193.6 2.8 271.9 11.5 99.5 277.8 74.3 Aug 25, 10:00 PM 16.2 192.0 2.8 272.8 11.7 99.4 278.4 75.2 Aug 25, 10:00 PM 15.6 193.6 2.8 272.4 11.5 99.4 277.3 74.1 Aug 25, 20:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.3	Aug 25, 4:00 AM	16.6	184.5	2.8	263.0	11.9	99.2	278.4	76.4
Aug 25, 7:00 AM Aug 25, 8:00 AM Aug 25, 9:00 AM Aug 25, 10:00 AM Aug 26, 10:00	-						99.3		75.2
Aug 25, 7:00 AM Aug 25, 8:00 AM Aug 25, 9:00 AM Aug 25, 10:00 AM Aug 26, 10:00	Aug 25, 6:00 AM	16.5	182.9	2.7	259.3	11.8	99.3	278.3	76.1
Aug 25, 9:00 AM 15.6 192.3 2.8 269.8 11.5 99.5 277.5 74.1 Aug 25, 10:00 AM 15.5 195.0 2.8 273.8 11.5 99.5 277.8 74.3 Aug 25, 11:00 AM 15.6 193.6 2.8 271.9 11.5 99.5 277.6 74.0 Aug 25, 12:00 PM 16.2 192.0 2.8 272.8 11.7 99.4 278.4 75.2 Aug 25, 1:00 PM 15.6 193.6 2.8 272.4 11.5 99.4 277.3 74.1 Aug 25, 2:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.4 74.4 Aug 25, 3:00 PM 15.8 195.1 2.8 274.5 11.4 99.3 277.5 73.5 Aug 25, 5:00 PM 16.3 189.2 2.8 268.6 11.6 99.3 277.4 73.8 Aug 25, 5:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.7 74.1 Aug 25, 5:00 PM 15.6 190.5 2.8 270.2	Aug 25, 7:00 AM			2.8			99.4	277.5	74.7
Aug 25, 9:00 AM 15.6 192.3 2.8 269.8 11.5 99.5 277.5 74.1 Aug 25, 10:00 AM 15.5 195.0 2.8 273.8 11.5 99.5 277.8 74.3 Aug 25, 11:00 AM 15.6 193.6 2.8 271.9 11.5 99.5 277.6 74.0 Aug 25, 12:00 PM 16.2 192.0 2.8 272.8 11.7 99.4 278.4 75.2 Aug 25, 1:00 PM 15.6 193.6 2.8 272.4 11.5 99.4 277.3 74.1 Aug 25, 2:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.4 74.4 Aug 25, 3:00 PM 15.8 195.1 2.8 274.5 11.4 99.3 277.5 73.5 Aug 25, 5:00 PM 16.3 189.2 2.8 268.6 11.6 99.3 277.4 73.8 Aug 25, 5:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.7 74.1 Aug 25, 5:00 PM 15.6 190.5 2.8 270.2	Aug 25, 8:00 AM	15.5		2.8			99.4		74.2
Aug 25, 10:00 AM Aug 25, 11:00 AM Aug 26, 11:00 AM Aug 26	-			2.8	269.8	11.5	99.5	277.5	
Aug 25, 12:00 PM 16.2 192.0 2.8 272.8 11.7 99.4 278.4 75.2 Aug 25, 1:00 PM 15.6 193.6 2.8 272.4 11.5 99.4 277.3 74.1 Aug 25, 2:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.4 74.4 Aug 25, 3:00 PM 15.8 195.1 2.8 274.5 11.4 99.3 277.5 73.5 Aug 25, 4:00 PM 16.3 189.2 2.8 268.6 11.6 99.3 278.2 74.9 Aug 25, 5:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.4 73.8 Aug 25, 6:00 PM 15.7 192.2 2.8 270.2 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.3 278.2 74.8 Aug 25, 9:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 26, 10:00 PM 15.8 190.3 2.8 261.0	Aug 25, 10:00 AM	15.5	195.0	2.8	273.8	11.5	99.5		74.3
Aug 25, 1:00 PM 15.6 193.6 2.8 272.4 11.5 99.4 277.3 74.1 Aug 25, 2:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.4 74.4 Aug 25, 3:00 PM 15.8 195.1 2.8 274.5 11.4 99.3 277.5 73.5 Aug 25, 4:00 PM 16.3 189.2 2.8 268.6 11.6 99.3 278.2 74.9 Aug 25, 5:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.4 73.8 Aug 25, 6:00 PM 15.7 192.2 2.8 270.2 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.2 278.2 74.8 Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 10:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 26, 11:00 PM 15.8 193.0 2.8 276.0	Aug 25, 11:00 AM	15.6	193.6	2.8	271.9	11.5	99.5	277.6	74.0
Aug 25, 2:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.4 74.4 Aug 25, 3:00 PM 15.8 195.1 2.8 274.5 11.4 99.3 277.5 73.5 Aug 25, 4:00 PM 16.3 189.2 2.8 268.6 11.6 99.3 278.2 74.9 Aug 25, 6:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.4 73.8 Aug 25, 6:00 PM 15.7 192.2 2.8 270.2 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.2 278.2 74.8 Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 10:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0	Aug 25, 12:00 PM	16.2	192.0	2.8	272.8	11.7	99.4	278.4	75.2
Aug 25, 2:00 PM 15.6 193.0 2.8 271.1 11.5 99.4 277.4 74.4 Aug 25, 3:00 PM 15.8 195.1 2.8 274.5 11.4 99.3 277.5 73.5 Aug 25, 4:00 PM 16.3 189.2 2.8 268.6 11.6 99.3 278.2 74.9 Aug 25, 5:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.4 73.8 Aug 25, 6:00 PM 15.7 192.2 2.8 267.6 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.2 278.2 74.8 Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 10:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 26, 11:00 PM 15.8 195.9 2.8 276.0	Aug 25, 1:00 PM	15.6	193.6	2.8	272.4	11.5	99.4	277.3	74.1
Aug 25, 4:00 PM 16.3 189.2 2.8 268.6 11.6 99.3 278.2 74.9 Aug 25, 5:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.4 73.8 Aug 25, 6:00 PM 15.7 192.2 2.8 270.2 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.2 278.2 74.8 Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 9:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 26, 10:00 PM 15.8 193.0 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 10:00 AM 15.6 213.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 2:00 AM 15.6 213.7 2.8 300.8	Aug 25, 2:00 PM	15.6	193.0	2.8	271.1	11.5	99.4	277.4	74.4
Aug 25, 5:00 PM 15.6 190.5 2.8 267.6 11.4 99.3 277.4 73.8 Aug 25, 6:00 PM 15.7 192.2 2.8 270.2 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.2 278.2 74.8 Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 9:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 25, 11:00 PM 15.8 195.9 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 3:00 AM 15.6 20.2 2.8 281.4	Aug 25, 3:00 PM	15.8	195.1	2.8	274.5	11.4	99.3	277.5	73.5
Aug 25, 6:00 PM 15.7 192.2 2.8 270.2 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.2 278.2 74.8 Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 9:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 25, 11:00 PM 15.8 195.9 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0	Aug 25, 4:00 PM	16.3	189.2	2.8	268.6	11.6	99.3	278.2	74.9
Aug 25, 6:00 PM 15.7 192.2 2.8 270.2 11.5 99.2 277.7 74.1 Aug 25, 7:00 PM 16.6 187.2 2.7 265.4 11.6 99.2 278.2 74.8 Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 9:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 25, 11:00 PM 15.8 195.9 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0	Aug 25, 5:00 PM	15.6	190.5	2.8	267.6	11.4	99.3	277.4	73.8
Aug 25, 8:00 PM 15.8 179.9 2.9 254.8 11.6 99.3 278.0 74.6 Aug 25, 9:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 25, 11:00 PM 15.8 195.9 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.3 74.4 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3									74.1
Aug 25, 9:00 PM 15.8 190.3 2.8 268.4 11.4 99.3 277.8 73.8 Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 25, 11:00 PM 15.8 195.9 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8	Aug 25, 7:00 PM	16.6	187.2	2.7	265.4	11.6	99.2	278.2	74.8
Aug 25, 10:00 PM 15.8 193.0 2.8 271.8 11.5 99.3 278.0 74.0 Aug 25, 11:00 PM 15.8 195.9 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7	Aug 25, 8:00 PM	15.8	179.9	2.9	254.8	11.6	99.3	278.0	74.6
Aug 25, 11:00 PM 15.8 195.9 2.8 276.0 11.5 99.3 278.0 74.1 Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 25, 9:00 PM	15.8	190.3	2.8	268.4	11.4	99.3	277.8	73.8
Aug 26, 12:00 AM 16.6 193.7 2.8 276.1 11.7 99.3 278.8 75.4 Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 25, 10:00 PM	15.8	193.0	2.8	271.8	11.5	99.3	278.0	74.0
Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 25, 11:00 PM	15.8	195.9	2.8	276.0	11.5	99.3	278.0	74.1
Aug 26, 1:00 AM 15.6 213.7 2.8 300.8 11.6 99.3 278.2 74.7 Aug 26, 2:00 AM 15.6 200.2 2.8 281.4 11.6 99.2 278.3 74.7 Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 26, 12:00 AM			2.8			99.3	278.8	75.4
Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 26, 1:00 AM	15.6	213.7	2.8	300.8	11.6	99.3	278.2	74.7
Aug 26, 3:00 AM 16.1 196.4 2.7 276.8 11.6 99.2 278.5 74.9 Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2				2.8					74.7
Aug 26, 4:00 AM 15.8 199.7 2.9 283.0 11.6 99.2 278.8 74.7 Aug 26, 5:00 AM 15.5 199.8 2.8 280.3 11.6 99.2 278.3 74.4 Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 26, 3:00 AM	16.1	196.4	2.7	276.8	11.6		278.5	74.9
Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2		15.8		2.9			99.2		74.7
Aug 26, 6:00 AM 15.7 204.9 2.7 287.8 11.6 99.2 278.4 74.5 Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 26, 5:00 AM	15.5	199.8	2.8	280.3	11.6	99.2	278.3	74.4
Aug 26, 7:00 AM 16.0 219.9 2.8 311.7 11.7 99.3 279.1 75.2	Aug 26, 6:00 AM	15.7		2.7		11.6	99.2	278.4	74.5
		16.0	219.9	2.8	311.7	11.7	99.3	279.1	75.2
	Aug 26, 8:00 AM	15.4		2.8	353.3	11.5	99.3	278.3	74.2
		15.6 C	252.9 C	2.8 C	356 C	11.5	99.3	278.4	73.9

Source: FCC Regenerator Overheard via CO Boiler



Aug. 25, 1000 AM	Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 26, 1100 AM	Aug 26, 10:00 AM	15.7	284.7	2.8		11.8	99.3	278.6	76.0
Aug 28, 1010 PM	Aug 26, 11:00 AM	15.8	235.3	2.8	331.1	11.6	99.3	279.3	74.8
Aug 28, 200 PM 15.5 Aug 28, 400 PM 16.3 Aug 28, 400 PM 16.5 Aug 28, 500 PM 15.5 Aug 28, 500 PM 15.7 Aug 27, 500 PM 15.8 Aug 28, 500 PM 15.7 Aug 28, 500 PM 15.7 Aug 27, 500 AM 15.8 Aug 28, 500 PM 15.8 Aug 27, 500 AM 15.9 Aug 28, 500 AM 15.9	Aug 26, 12:00 PM	15.5 M	339.3 M	2.9 M	482 M	11.8	99.3	280.0	75.8
Aug 28, 200 PM 15.5 Aug 28, 400 PM 16.3 Aug 28, 400 PM 16.5 Aug 28, 500 PM 15.5 Aug 28, 500 PM 15.7 Aug 27, 500 PM 15.8 Aug 28, 500 PM 15.7 Aug 28, 500 PM 15.7 Aug 27, 500 AM 15.8 Aug 28, 500 PM 15.8 Aug 27, 500 AM 15.9 Aug 28, 500 AM 15.9	Aug 26, 1:00 PM								75.3
Aug 28, 300 PM Aug 28, 500 PM 16.5 388.9 18.2 389.9 18.3 389.9 18.5 389.9 18.6 389.9 2.8 583.8 11.9 39.1 279.2 275.5 34.0 28.5 39.0 28 553.1 11.7 39.1 279.2 275.5 34.0 28.5 39.0 28 553.1 11.7 39.0 28.6 39.0 28.6 570.0 39.0 39.0 28.6 570.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0 3	-								75.3
Aug 28, 400 PM	-	15.6	368.9	2.8	518.2	11.8	99.1	279.5	75.8
Aug 28, 500 PM Aug 28, 500 PM 15.5 394.0 2.8 553.1 11.7 99.0 279.6 75. Aug 28, 700 PM 15.5 394.7 2.8 11.9 99.0 279.6 75. Aug 28, 700 PM 15.5 337.3 2.7 47.9 11.9 99.0 279.6 75. Aug 28, 900 PM 15.7 337.7 2.8 470.0 11.8 99.0 279.6 75. Aug 28, 900 PM 15.7 337.7 2.8 470.1 11.9 99.0 279.6 76. Aug 28, 100 PM 15.7 334.9 2.8 492.7 11.9 99.0 279.9 76. Aug 28, 11.00 PM 15.7 342.9 2.8 492.7 11.9 99.0 279.9 76. Aug 27, 12.00 AM 15.8 334.6 2.8 472.7 12.1 99.0 280.8 77. Aug 27, 12.00 AM 15.6 340.5 2.8 470.1 12.0 98.0 279.9 76. Aug 27, 12.00 AM 15.6 340.5 2.8 470.1 12.0 98.0 279.9 76. Aug 27, 100 AM 15.6 340.5 2.8 470.1 12.0 98.0 279.9 76. Aug 27, 100 AM 15.6 340.5 2.8 470.1 12.0 98.0 279.9 76. Aug 27, 100 AM 15.7 34.0 15.8 34.0 2.8 479.8 12.0 98.9 280.0 76. Aug 27, 400 AM 15.7 34.0 15.8 34.0 2.8 479.8 12.0 98.9 280.0 76. Aug 27, 100 AM 15.9 340.6 2.8 479.8 12.0 98.9 280.0 76. Aug 27, 100 AM 15.7 346.4 2.9 482.8 487.9 12.0 98.9 280.0 76. Aug 27, 100 AM 15.7 346.4 2.9 482.8 487.9 12.0 98.9 280.0 76. Aug 27, 100 AM 15.7 346.4 2.9 482.8 487.8 12.2 98.9 280.0 76. Aug 27, 100 AM 15.7 36.1 2.9 487.4 2.9 482.8 487.9 12.0 98.9 280.0 76. Aug 27, 100 AM 15.7 36.1 2.9 487.4 2.9 482.8 487.9 12.0 98.9 280.0 76. Aug 27, 100 AM 15.7 36.1 2.9 487.4 2.9 482.8 48.7 11.9 98.9 280.0 76. Aug 27, 100 AM 15.7 36.1 2.9 487.4 2.9 488.7 2.9 488.8 2.9 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	_		395.9	2.8		11.9	99.1	280.4	76.5
Aug 26, 600 PM	-								75.0
Aug 28, 70,0 PM	-			2.8		11.7	99.0	279.6	75.3
Aug 26, 800 PM	-	16.5	337.3	2.7	477.9	11.9	99.0	280.6	76.3
Aug 28, 900 PM	-	15.6	335.8	2.9	476.0	11.8	99.0	279.6	75.9
Aug 27, 100 PM 15.7 342.9 2.8 482.7 11.9 99.0 279.9 76. Aug 28, 11:00 PM 15.6 349.4 2.8 492.8 12.0 99.0 280.2 76. Aug 27, 12:00 AM 15.8 349.4 2.8 492.8 12.0 99.0 280.2 76. Aug 27, 12:00 AM 16.2 341.5 2.8 484.7 12.1 99.0 280.8 77. Aug 27, 200 AM 15.6 340.5 2.8 479.1 12.0 99.9 280.8 77. Aug 27, 300 AM 15.7 343.9 2.8 479.1 12.0 99.9 280.1 76. Aug 27, 300 AM 15.7 343.9 2.8 479.8 12.0 99.9 280.1 76. Aug 27, 500 AM 15.9 340.0 2.8 479.8 12.0 99.9 280.0 76. Aug 27, 500 AM 15.9 340.0 2.8 479.8 12.0 99.9 280.0 76. Aug 27, 500 AM 15.9 340.0 2.8 479.8 12.0 99.9 280.0 76. Aug 27, 500 AM 15.9 345.6 2.8 467.9 12.0 99.9 280.0 76. Aug 27, 500 AM 15.7 346.4 2.9 492.5 12.1 99.9 280.0 76. Aug 27, 500 AM 15.7 361.1 2.9 497.4 12.2 99.9 280.0 76. Aug 27, 100 AM 15.7 361.1 2.9 497.4 12.2 99.9 280.6 77. Aug 27, 100 AM 15.7 361.1 2.9 497.4 12.2 99.9 280.6 77. Aug 27, 100 AM 15.7 361.1 2.9 497.4 12.2 98.9 280.6 77. Aug 27, 100 AM 15.7 361.1 2.9 497.4 12.2 98.9 280.6 77. Aug 27, 100 AM 15.7 363.0 2.9 515.0 12.1 99.9 280.6 77. Aug 27, 100 AM 15.7 362.0 2.7 508.7 12.1 99.9 280.6 77. Aug 27, 100 PM 15.7 362.0 2.7 508.7 12.1 99.7 281.1 77. Aug 27, 100 PM 15.8 342.6 2.7 495.7 12.1 99.7 281.1 77. Aug 27, 100 PM 15.8 342.6 2.9 485.9 11.8 96.5 279.1 76. Aug 27, 500 PM 15.8 342.4 2.8 484.5 11.8 96.5 279.1 75. Aug 27, 500 PM 15.8 342.4 2.8 484.5 11.8 96.5 279.1 75. Aug 27, 500 PM 15.8 342.4 2.8 483.5 11.8 96.5 279.1 75. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 96.5 277.7 75. Aug 27, 500 PM 15.8 33.1 2.8 476.2 11.8 96.5 277.7 75. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 96.5 279.1 75. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 96.5 279.1 75. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 96.5 279.1 75. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 96.5 279.1 75. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 96.5 279.7 75. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 96.5 279.7 75. Aug 28, 500 PM 15.8 347.7 2.8 491.5 11.8 96.5 277.7 75. Aug 28, 500 PM 15.8 347.7 2.8 491.5 11.8 96.5 277.7 75. Aug 28, 500 PM 15.8 347.7 2.8 491.5 11.8 96.5	-								76.3
Aug 27, 1200 AM 15.6 349.4 2.8 491.8 12.0 99.0 280.2 76. Aug 27, 1200 AM 15.8 334.6 2.8 472.7 12.1 99.0 280.8 77. Aug 27, 1200 AM 15.6 344.5 2.8 494.7 12.1 99.0 280.8 77. Aug 27, 200 AM 15.6 340.5 2.8 479.1 12.0 98.9 279.9 76. Aug 27, 200 AM 15.6 340.5 2.8 479.1 12.0 98.9 279.9 76. Aug 27, 300 AM 15.7 334.9 2.8 475.9 12.2 98.9 280.7 77. Aug 27, 500 AM 15.9 340.0 2.8 479.8 12.0 98.9 280.0 76. Aug 27, 600 AM 15.9 345.6 2.8 479.9 12.0 98.9 280.0 76. Aug 27, 600 AM 15.9 345.6 2.8 479.9 12.0 98.9 280.0 76. Aug 27, 600 AM 15.9 345.6 2.8 479.9 12.0 98.9 280.0 76. Aug 27, 700 AM 16.6 334.7 2.8 478.9 12.0 98.9 280.0 76. Aug 27, 700 AM 15.7 364.4 2.9 462.5 12.1 98.9 280.5 77. Aug 27, 100 AM 15.7 361.1 2.9 497.4 12.2 98.9 280.6 77. Aug 27, 100 AM 15.7 363.0 2.9 515.0 12.1 98.9 280.6 77. Aug 27, 100 AM 15.7 363.0 2.9 515.0 12.1 98.9 280.6 77. Aug 27, 100 AM 16.0 362.6 2.8 514.7 12.2 98.8 280.8 77. Aug 27, 100 AM 16.3 357.7 2.9 510.6 12.2 98.8 280.8 77. Aug 27, 100 PM 15.7 363.0 2.9 515.0 12.1 98.7 280.1 77. Aug 27, 100 PM 15.8 352.5 2.7 485.7 12.1 98.7 280.1 77. Aug 27, 100 PM 15.8 352.5 2.7 485.7 12.1 98.7 280.1 77. Aug 27, 100 PM 15.8 352.5 2.7 485.7 12.1 98.7 280.1 77. Aug 27, 100 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 200 PM 15.8 352.5 2.7 485.7 11.9 98.6 280.4 76. Aug 27, 300 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 500 PM 15.8 342.6 2.9 485.9 11.8 98.5 277.9 79. Aug 27, 100 PM 15.8 342.6 2.9 485.9 11.8 98.5 277.7 79. Aug 27, 100 PM 15.8 342.6 2.9 485.9 11.8 98.5 277.7 79. Aug 27, 100 PM 15.8 344.4 2.8 444.5 11.8 98.5 277.7 75. Aug 27, 200 PM 15.8 344.7 2.8 444.1 2.9 485.9 11.8 98.5 277.7 75. Aug 27, 200 PM 15.8 344.1 2.9 485.9 11.8 98.5 277.7 75. Aug 27, 200 PM 15.8 344.4 2.8 444.5 11.8 98.5 277.7 75. Aug 27, 200 PM 15.8 344.1 2.8 444.1 2.9 485.9 11.8 98.5 277.7 75. Aug 27, 200 PM 15.8 344.1 2.9 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9 2.0 2.0 485.9	-	15.7	342.9	2.8	482.7	11.9	99.0	279.9	76.3
Aug 27, 12:00 AM	-	15.6	349.4	2.8	491.8	12.0	99.0	280.2	76.6
Aug 27, 200 AM 15.6 340.5 2.8 479.1 12.0 98.9 279.9 76. Aug 27, 300 AM 16.5 333.6 2.8 475.9 12.2 98.9 280.7 77. Aug 27, 400 AM 16.5 333.6 2.8 475.9 12.2 98.9 280.7 77. Aug 27, 500 AM 15.9 340.0 2.8 479.8 12.0 98.9 280.0 76. Aug 27, 500 AM 15.9 340.0 2.8 479.8 12.0 98.9 280.0 76. Aug 27, 600 AM 15.9 340.0 2.8 479.8 12.0 98.9 280.0 76. Aug 27, 700 AM 16.6 334.7 2.8 478.8 12.2 98.9 280.0 76. Aug 27, 800 AM 15.7 346.4 2.9 492.5 12.1 98.9 280.6 77. Aug 27, 900 AM 15.7 346.4 2.9 492.5 12.1 98.9 280.6 77. Aug 27, 900 AM 15.7 363.0 2.9 497.4 12.2 98.9 280.6 77. Aug 27, 100 AM 16.0 362.6 2.8 514.7 12.2 98.9 280.6 77. Aug 27, 1100 AM 16.3 367.7 2.9 510.6 12.1 98.9 280.6 77. Aug 27, 1200 PM 16.3 367.7 2.9 510.6 12.2 98.7 281.1 77. Aug 27, 100 PM 15.8 362.0 2.7 498.7 12.1 98.7 280.1 77. Aug 27, 200 PM 15.8 362.5 2.7 496.7 12.1 98.7 280.1 77. Aug 27, 300 PM 15.8 342.6 2.7 488.7 11.9 98.6 280.4 76. Aug 27, 400 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 500 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 500 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 500 PM 15.8 344.1 2.7 487.2 11.8 98.5 278.7 75. Aug 27, 500 PM 15.8 344.1 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 500 PM 15.8 344.1 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 800 PM 15.8 344.1 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 800 PM 15.8 346.1 2.7 487.2 11.8 98.5 278.7 75. Aug 27, 800 PM 15.8 346.1 2.7 487.2 11.8 98.5 277.2 73. Aug 27, 800 PM 15.8 331.1 2.8 475.4 11.7 98.5 277.2 73. Aug 27, 100 PM 15.8 331.1 2.8 475.4 11.7 98.5 277.7 75. Aug 27, 800 PM 15.8 337.1 2.8 495.5 11.5 98.5 277.7 75. Aug 28, 100 AM 15.7 338.9 2.8 477.0 11.8 98.5 277.7 75. Aug 28, 100 AM 15.8 337.1 2.8 475.4 11.7 98.5 277.7 75. Aug 28, 100 AM 15.8 337.1 2.8 475.4 11.7 98.5 277.7 75. Aug 28, 100 AM 15.7 338.9 2.8 478.1 11.8 98.5 277.3 75. Aug 28, 100 AM 15.7 339.9 2.8 477.0 11.6 98.5 277.7 75. Aug 28, 100 AM 15.8 337.1 2.8 475.4 11.7 98.5 277.7 75. Aug 28, 100 AM 15.6 337.5 2.9 499.4 12.0 98.7 279.8 76. Aug 28, 100 AM 15.7 339.3 2.9 490.9 12.0 98.7 279.8 76. Aug 28, 100 AM 15.7 339.3 2.	-	15.8		2.8					77.2
Aug 27, 200 AM	Aug 27, 1:00 AM	16.2	341.5	2.8	484.7	12.1	99.0	280.8	77.5
Aug 27, 400 AM 16.5 333.6 2.8 475.9 12.2 98.9 280.0 76. Aug 27, 600 AM 15.9 345.6 2.8 487.9 12.0 98.9 280.0 76. Aug 27, 700 AM 16.6 334.7 2.8 487.9 12.0 98.9 280.0 76. Aug 27, 700 AM 16.6 334.7 2.8 488.8 12.2 98.9 281.2 78. Aug 27, 800 AM 15.7 361.1 2.9 497.4 12.2 98.9 280.6 77. Aug 27, 800 AM 15.7 361.1 2.9 497.4 12.2 98.9 280.6 77. Aug 27, 10.00 AM 15.7 361.1 2.9 497.4 12.2 98.9 280.6 77. Aug 27, 10.00 AM 15.7 363.0 2.9 515.0 12.1 98.9 280.6 77. Aug 27, 110.00 AM 16.0 362.6 2.8 514.7 12.2 98.8 280.8 77. Aug 27, 1200 PM 16.3 367.7 2.9 510.6 12.2 98.7 280.1 77. Aug 27, 100 PM 16.3 367.7 2.9 510.6 12.2 98.7 281.1 77. Aug 27, 100 PM 15.8 352.5 2.7 498.7 12.1 98.7 280.1 77. Aug 27, 200 PM 15.8 362.6 2.8 548.9 11.8 98.6 280.4 76. Aug 27, 200 PM 15.8 344.4 2.8 484.5 11.8 98.6 279.0 75. Aug 27, 600 PM 15.8 344.4 2.8 484.5 11.8 98.6 279.0 75. Aug 27, 500 PM 15.8 344.1 2.8 484.5 11.8 98.6 279.0 75. Aug 27, 500 PM 15.8 342.1 2.8 487.5 11.9 98.5 278.8 76. Aug 27, 500 PM 15.8 342.1 2.8 483.5 11.8 98.6 279.1 75. Aug 27, 700 PM 15.8 342.1 2.8 483.5 11.8 98.6 279.7 75. Aug 27, 700 PM 15.8 342.1 2.8 483.5 11.8 98.5 279.1 75. Aug 27, 700 PM 15.8 342.1 2.8 483.5 11.8 98.5 279.1 75. Aug 27, 100 PM 15.8 336.1 2.8 494.5 11.5 98.5 277.8 76. Aug 27, 100 PM 15.8 336.1 2.8 498.5 11.8 98.5 277.8 76. Aug 27, 100 PM 15.8 336.1 2.8 498.5 11.8 98.5 277.8 76. Aug 27, 100 PM 15.8 336.1 2.8 498.5 11.8 98.5 277.7 75. Aug 27, 100 PM 15.8 336.1 2.8 498.5 11.8 98.5 277.7 75. Aug 27, 100 PM 15.8 336.1 2.8 498.5 11.8 98.5 277.7 75. Aug 28, 200 AM 15.7 334.9 2.8 498.5 11.8 98.5 277.7 75. Aug 28, 200 AM 15.7 334.9 2.8 498.5 11.8 98.5 277.7 75. Aug 28, 200 AM 15.7 334.9 2.8 498.5 11.8 98.5 277.7 75. Aug 28, 200 AM 15.7 334.9 2.8 498.5 11.8 98.5 277.7 75. Aug 28, 200 AM 15.7 332.0 2.8 498.5 11.8 98.6 279.9 76. Aug 28, 200 AM 15.7 332.0 2.8 498.5 11.9 98.5 277.7 75. Aug 28, 200 AM 15.7 332.0 2.8 498.7 11.9 98.6 279.9 76. Aug 28, 200 AM 15.7 332.0 2.8 498.7 11.9 98.6 279.9 76. Aug 28, 200 AM 15.7 332.0 2.8 477.0 2.8 499.9 12.0 98.7 279.8 76. Aug 28, 200	Aug 27, 2:00 AM	15.6	340.5	2.8	479.1	12.0	98.9	279.9	76.9
Aug 27, 5:00 AM	Aug 27, 3:00 AM	15.7	334.9	2.8	471.3	12.0	98.9	280.1	76.9
Aug 27, 600 AM	Aug 27, 4:00 AM	16.5	333.6	2.8	475.9	12.2	98.9	280.7	77.8
Aug 27, 7:00 AM 16.6 334.7 2.8 478.8 12.2 98.9 281.2 78.8 Aug 27, 8:00 AM 15.7 361.1 2.9 497.4 12.2 98.9 280.6 77.4 Aug 27, 9:00 AM 15.7 363.0 2.9 515.0 12.1 98.9 280.6 77.4 Aug 27, 10:00 AM 15.7 363.0 2.9 515.0 12.1 98.9 280.6 77.4 Aug 27, 10:00 AM 16.0 362.6 2.8 514.7 12.2 98.8 280.8 77.4 Aug 27, 10:00 AM 16.3 357.7 2.9 510.6 12.2 98.7 281.1 77.4 Aug 27, 1:00 PM 16.3 357.7 2.9 510.6 12.2 98.7 281.1 77.4 Aug 27, 1:00 PM 15.8 352.5 2.7 495.7 12.1 98.7 280.1 77.4 Aug 27, 2:00 PM 15.8 352.5 2.7 495.7 12.1 98.7 281.2 76.4 Aug 27, 3:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 278.7 75.4 Aug 27, 5:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75.4 Aug 27, 7:00 PM 16.6 33.9 2.7 487.2 11.8 98.5 279.1 75.4 Aug 27, 7:00 PM 15.8 342.1 2.8 484.5 11.8 98.6 278.7 75.4 Aug 27, 7:00 PM 15.8 342.1 2.8 484.5 11.8 98.5 279.1 75.4 Aug 27, 7:00 PM 15.8 342.1 2.8 484.5 11.8 98.5 279.1 75.4 Aug 27, 7:00 PM 15.8 342.1 2.8 484.5 11.8 98.5 279.1 75.4 Aug 27, 7:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 279.1 75.4 Aug 27, 9:00 PM 15.8 342.1 2.8 484.5 11.8 98.5 277.7 27.3 Aug 27, 9:00 PM 15.8 332.1 2.8 476.2 11.6 98.4 276.8 74.4 Aug 27, 11:00 PM 15.8 332.1 2.8 476.2 11.6 98.4 276.8 74.4 Aug 27, 11:00 PM 15.8 332.1 2.8 476.2 11.6 98.5 277.7 75.4 Aug 27, 9:00 PM 15.8 332.1 2.8 476.2 11.6 98.5 277.7 75.4 Aug 27, 9:00 PM 15.8 332.1 2.8 476.2 11.6 98.5 277.7 75.4 Aug 28, 1:00 AM 15.7 332.9 2.8 476.1 11.9 98.5 277.7 75.4 Aug 28, 1:00 AM 15.7 332.0 2.8 476.1 11.9 98.5 277.7 75.4 Aug 28, 1:00 AM 15.7 332.0 2.8 476.1 11.9 98.5 277.7 75.4 Aug 28, 1:00 AM 15.7 332.0 2.8 476.1 11.9 98.5 277.7 75.4 Aug 28, 1:00 AM 15.7 332.0 2.8 476.1 11.9 98.5 277.7 75.4 Aug 28, 1:00 AM 15.7 332.0 2.8 476.1 11.9 98.5 277.7 75.4 Aug 28, 1:00 AM 15.7 332.0 2.8 476.1 11.8 98.5 277.0 75.4 Aug 28, 1:00 AM 15.7 332.0 2.8 476.1 11.8 98.5 277.0 75.4 Aug 28, 3:00 AM 15.7 332.0 2.8 476.1 11.8 98.5 277.0 75.4 Aug 28, 3:00 AM 15.7 332.0 2.8 477.1 2.8 476.2 11.8 98.6 279.1 76.4 Aug 28, 3:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.1 79.5 76.4 Aug 28, 3:00 AM 15.7 332.0 2.8 477.0 11.8 98.7 279.5 76	Aug 27, 5:00 AM	15.9	340.0	2.8	479.8	12.0	98.9	280.0	76.8
Aug 27, 8:00 AM	Aug 27, 6:00 AM	15.9	345.6	2.8	487.9	12.0	98.9	280.0	76.6
Aug 27, 10:00 AM 15.7 351.1 2.9 497.4 12.2 98.9 280.6 77.3 Aug 27, 10:00 AM 16.7 363.0 2.9 515.0 12.1 98.9 280.6 77.4 Aug 27, 11:00 AM 16.0 362.6 2.8 514.7 12.2 98.8 280.8 77.4 Aug 27, 11:00 PM 16.3 357.7 2.9 510.6 12.2 98.7 281.1 77.3 Aug 27, 1:00 PM 15.8 352.5 2.7 495.7 12.1 98.7 280.1 77.4 Aug 27, 2:00 PM 15.8 352.5 2.7 495.7 12.1 98.7 280.4 76.4 Aug 27, 3:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 280.4 76.4 Aug 27, 3:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75.4 Aug 27, 2:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 279.0 75.4 Aug 27, 7:00 PM 15.8 344.4 2.8 484.5 11.9 98.5 278.8 76.4 Aug 27, 8:00 PM 15.8 342.1 2.8 483.4 11.9 98.5 278.8 76.4 Aug 27, 8:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 277.2 73.4 Aug 27, 8:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73.4 Aug 27, 1:00 PM 15.8 338.1 2.8 494.5 11.5 98.5 277.2 73.4 Aug 27, 1:00 PM 15.8 338.1 2.8 496.2 11.8 98.5 277.2 73.4 Aug 27, 1:00 PM 15.8 337.1 2.8 476.2 11.8 98.5 277.5 74.4 Aug 28, 1:20 OM 15.8 337.1 2.8 476.2 11.8 98.5 277.5 74.4 Aug 28, 1:20 OM 15.8 337.1 2.8 476.2 11.8 98.5 277.5 74.4 Aug 28, 1:20 OM 15.8 337.1 2.8 476.2 11.8 98.5 277.5 74.4 Aug 28, 1:20 OM 15.8 337.1 2.8 476.2 11.6 98.4 276.8 74.4 Aug 28, 1:20 OM 15.8 337.1 2.8 476.2 11.8 98.5 277.5 74.4 Aug 28, 1:20 OM 15.8 337.1 2.8 476.2 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.8 337.1 2.8 476.2 11.9 98.5 277.5 74.4 Aug 28, 1:20 OM 15.7 334.9 2.8 475.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 334.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 334.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 336.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 334.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 334.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 334.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 336.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 336.9 2.8 478.1 11.8 98.5 277.7 75.5 Aug 28, 1:20 OM 15.7 336.9 2.8 478.1 11.8 98.5 277.9 75.5 Aug 28, 1:20 OM 15.7 336.9 2.8 478.1 11.8 98.6 279.1 76.5 Aug 28, 1:20 OM 15.7 336.9 2.8 478.1 11.8 98.6 279.1 76.5 Aug 28, 1:20	Aug 27, 7:00 AM	16.6	334.7	2.8	478.8	12.2	98.9	281.2	78.0
Aug 27, 10:00 AM 15.7 363.0 2.9 515.0 12.1 98.9 280.6 77. Aug 27, 11:00 AM 16.0 362.6 2.8 514.7 12.2 98.8 280.8 77. Aug 27, 12:00 PM 16.3 357.7 2.9 510.6 12.2 98.7 281.1 77. Aug 27, 12:00 PM 15.7 362.0 2.7 508.7 12.1 98.7 280.1 77. Aug 27, 2:00 PM 15.8 352.5 2.7 495.7 12.1 98.7 280.1 77. Aug 27, 2:00 PM 15.8 352.5 2.7 495.7 12.1 98.7 280.1 76. Aug 27, 3:00 PM 16.4 346.2 2.7 488.7 11.9 98.6 280.4 76. Aug 27, 4:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 5:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 279.0 75. Aug 27, 7:00 PM 15.8 344.4 2.8 484.5 11.8 98.5 278.7 75. Aug 27, 7:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.8 76. Aug 27, 7:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.8 76. Aug 27, 8:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73. Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74. Aug 27, 11:00 PM 15.8 338.1 2.8 475.4 11.7 98.5 277.5 74. Aug 27, 11:00 PM 15.8 338.1 2.8 475.4 11.7 98.5 277.5 74. Aug 27, 11:00 PM 15.8 338.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 10:00 AM 15.8 337.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 10:00 AM 15.8 337.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 10:00 AM 15.8 337.1 2.8 475.4 11.7 98.5 277.7 75. Aug 28, 10:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.7 75. Aug 28, 10:00 AM 15.7 33.9 2.8 472.0 11.6 98.5 277.3 75. Aug 28, 20:00 AM 15.7 33.9 2.8 472.0 11.6 98.5 277.3 75. Aug 28, 20:00 AM 15.7 33.9 2.8 473.2 11.8 98.6 279.3 75. Aug 28, 20:00 AM 15.7 33.9 2.8 473.2 11.8 98.6 279.3 75. Aug 28, 20:00 AM 15.7 33.9 2.8 473.2 11.8 98.6 279.3 75. Aug 28, 20:00 AM 15.7 33.9 2.9 48.9 2.8 473.2 11.8 98.6 279.3 75. Aug 28, 20:00 AM 15.7 33.9 2.9 48.9 2.0 98.7 279.4 76. Aug 28, 20:00 AM 15.7 33.9 3.2 9 48.9 9 12.0 98.7 279.4 76. Aug 28, 20:00 AM 15.7 33.9 3.2 9 48.9 9 12.0 98.7 279.4 76. Aug 28, 20:00 AM 15.7 33.9 3.2 9 48.9 9 12.0 98.7 279.5 76. Aug 28, 20:00 AM 15.7 33.9 3.9 2.9 48.9 9 12.0 98.7 279.4 76. Aug 28, 20:00 AM 15.7 33.9 3.0 2.9 48.9 9 12.0 98.7 279.4 76. Aug 28, 20:00 AM 15.7 33.4 8.8 2.9 471.0 11.8 98.7 279.8 76. Aug 28, 20:00 PM 15.8 33.4 2.8 483.6 11.9 98.7 279.8 76. Aug 28, 2	Aug 27, 8:00 AM	15.7	346.4	2.9	492.5	12.1	98.9	280.5	77.3
Aug 27, 11:00 AM 16.0 362.6 2.8 514.7 12.2 98.8 280.8 77. Aug 27, 12:00 PM 16.3 357.7 2.9 510.6 12.2 98.7 281.1 77. Aug 27, 1:00 PM 15.7 362.0 2.7 508.7 12.1 98.7 280.1 77. Aug 27, 2:00 PM 15.8 352.5 2.7 495.7 12.1 98.7 280.2 76. Aug 27, 3:00 PM 16.4 346.2 2.7 488.7 11.9 98.6 280.4 76. Aug 27, 3:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 278.7 75. Aug 27, 5:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 6:00 PM 15.8 346.1 2.7 487.2 11.8 98.5 278.7 75. Aug 27, 6:00 PM 15.8 346.1 2.7 487.2 11.8 98.5 279.1 75. Aug 27, 7:00 PM 15.8 342.1 2.8 483.4 11.9 98.5 278.8 76. Aug 27, 9:00 PM 15.8 342.1 2.8 483.4 11.9 98.5 278.7 75. Aug 27, 9:00 PM 15.8 331.1 2.8 483.4 11.9 98.5 277.2 73. Aug 27, 9:00 PM 15.8 331.1 2.8 476.2 11.6 98.4 276.8 74. Aug 27, 10:00 PM 15.8 333.1 2.8 476.2 11.6 98.4 276.8 74. Aug 27, 10:00 PM 15.8 337.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 12:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.7 75. Aug 28, 12:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.2 75. Aug 28, 12:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 75. Aug 28, 12:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 75. Aug 28, 4:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 76. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 76. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 76. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 76. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 76. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 77. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 76. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 77. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 77. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 77. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 77. Aug 28, 8:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 279.3 77. Aug 28, 8:00 AM 15.7 346.8 2.9 479.4 12.0 98.7 279.5 76. Aug 28, 8:00 AM 15.7 346.8 2.9 479.4 12.0 98.7 279.5 76. Aug 28, 8:00 AM 15.7 346.8 2.9 479.4 12.0 9	Aug 27, 9:00 AM	15.7	351.1	2.9	497.4	12.2	98.9	280.6	77.6
Aug 27, 1:00 PM 15.8 35.2 2.7 495.7 12.1 98.7 281.1 77. Aug 27, 2:00 PM 15.8 35.2 2.7 495.7 12.1 98.7 280.1 77. Aug 27, 2:00 PM 15.8 35.2 2.7 495.7 12.1 98.7 280.1 77. Aug 27, 2:00 PM 15.8 35.2 2.7 495.7 12.1 98.7 281.2 76. Aug 27, 3:00 PM 16.4 346.2 2.7 488.7 11.9 98.6 280.4 76. Aug 27, 4:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 5:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 5:00 PM 15.8 344.4 2.8 484.5 11.8 98.5 279.1 75. Aug 27, 7:00 PM 16.6 339.9 2.7 483.4 11.9 98.5 278.8 76. Aug 27, 7:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75. Aug 27, 9:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73. Aug 27, 10:00 PM 15.8 333.1 2.8 476.2 11.6 98.4 276.8 74. Aug 27, 11:00 PM 15.8 337.1 2.8 475.4 11.7 98.5 277.7 75. Aug 27, 11:00 PM 15.8 337.1 2.8 475.4 11.7 98.5 277.7 75. Aug 28, 1:00 AM 16.3 338.7 2.8 482.2 11.9 98.5 277.3 75. Aug 28, 1:00 AM 15.9 338.9 2.8 472.0 11.6 98.5 277.3 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.3 75. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 3:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.7 74. Aug 28, 3:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.7 74. Aug 28, 3:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 6:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 279.1 76. Aug 28, 8:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 279.1 76. Aug 28, 8:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 279.1 76. Aug 28, 8:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 279.1 76. Aug 28, 8:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 279.1 76. Aug 28, 8:00 AM 15.7 332.0 2.8 463.6 12.0 98.6 279.1 76. Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 8:00 AM 15.8 315.6 2.9 447.4 11.5 98.7 276.2 74. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2	Aug 27, 10:00 AM	15.7	363.0	2.9	515.0	12.1	98.9	280.6	77.1
Aug 27, 1:00 PM 15.7 362.0 2.7 508.7 12.1 98.7 280.1 77. Aug 27, 2:00 PM 15.8 352.5 2.7 498.7 12.1 98.7 281.2 76. Aug 27, 3:00 PM 16.4 346.2 2.7 488.7 11.9 98.6 280.4 76. Aug 27, 4:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 6:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 7:00 PM 16.6 339.9 2.7 483.4 11.9 98.5 278.7 75. Aug 27, 8:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75. Aug 27, 9:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.7 73. Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 7	Aug 27, 11:00 AM	16.0	362.6	2.8	514.7	12.2	98.8	280.8	77.6
Aug 27, 2:00 PM Aug 27, 3:00 PM 16.4 346.2 2.7 488.7 11.9 98.6 280.4 76. Aug 27, 4:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 5:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 5:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 279.0 75. Aug 27, 6:00 PM 15.8 346.1 2.7 487.2 11.8 98.5 279.1 75. Aug 27, 7:00 PM 16.6 339.9 2.7 483.4 11.9 98.5 278.8 76. Aug 27, 9:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75. Aug 27, 9:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75. Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74. Aug 27, 11:00 PM 15.8 337.1 2.8 482.2 11.9 98.5 277.5 74. Aug 28, 1:00 AM 15.8 337.1 2.8 482.2 11.9 98.5 277.7 75. Aug 28, 2:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.7 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.0 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.0 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.0 75. Aug 28, 2:00 AM 15.7 334.9 2.8 473.2 11.8 98.6 279.1 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 279.1 76. Aug 28, 6:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 279.1 76. Aug 28, 6:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 279.3 75. Aug 28, 6:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 279.1 76. Aug 28, 9:00 AM 15.7 336.2 2.8 477.5 12.1 98.6 279.1 76. Aug 28, 9:00 AM 15.7 336.2 2.8 477.5 12.1 98.6 279.1 76. Aug 28, 9:00 AM 15.7 339.3 2.9 489.9 12.0 98.7 279.8 76. Aug 28, 9:00 AM 15.7 339.3 2.9 489.9 12.0 98.7 279.8 76. Aug 28, 9:00 AM 15.7 339.3 2.9 489.9 12.0 98.7 279.8 76. Aug 28, 10:00 AM 15.7 339.3 2.9 489.9 12.0 98.7 279.8 76. Aug 28, 10:00 AM 15.7 339.3 2.9 489.9 12.0 98.7 279.8 76. Aug 28, 10:00 AM 15.7 339.3 2.9 489.9 12.0 98.7 279.8 76. Aug 28, 10:00 AM 15.7 339.3 2.9 489.9 3.0 477.1 3.0 3.0 471.0 3.0 482.0 477.1 3.0 482.0 477.1 3.0 482.0 477.1 3.0 483.4 483.5 483.6	Aug 27, 12:00 PM	16.3	357.7	2.9	510.6	12.2	98.7	281.1	77.7
Aug 27, 3:00 PM 16.4 346.2 2.7 488.7 11.9 98.6 280.4 76. Aug 27, 4:00 PM 15.8 342.6 2.9 485.9 11.8 98.6 279.0 75. Aug 27, 5:00 PM 15.8 344.4 2.8 484.5 11.8 98.6 278.7 75. Aug 27, 6:00 PM 15.8 346.1 2.7 487.2 11.8 98.5 279.1 75. Aug 27, 7:00 PM 16.6 339.9 2.7 483.4 11.9 98.5 278.8 76. Aug 27, 8:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75. Aug 27, 10:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73. Aug 27, 11:00 PM 15.8 337.1 2.8 476.2 11.6 98.4 276.8 74. Aug 28, 10:00 AM 16.3 338.7 2.8 475.4 11.7 98.5 277.7 <td< td=""><td>Aug 27, 1:00 PM</td><td>15.7</td><td>362.0</td><td>2.7</td><td>508.7</td><td>12.1</td><td>98.7</td><td>280.1</td><td>77.2</td></td<>	Aug 27, 1:00 PM	15.7	362.0	2.7	508.7	12.1	98.7	280.1	77.2
Aug 27, 4:00 PM	Aug 27, 2:00 PM	15.8	352.5	2.7	495.7	12.1	98.7	281.2	76.8
Aug 27, 5:00 PM	Aug 27, 3:00 PM	16.4	346.2	2.7	488.7	11.9	98.6	280.4	76.1
Aug 27, 6:00 PM 15.8 346.1 2.7 487.2 11.8 98.5 279.1 75.1 Aug 27, 7:00 PM 16.6 339.9 2.7 483.4 11.9 98.5 278.8 76.1 Aug 27, 7:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75.1 Aug 27, 9:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73.1 Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74.4 Aug 27, 11:00 PM 15.8 338.1 2.8 475.4 11.7 98.5 277.5 74.1 Aug 28, 12:00 AM 16.3 338.7 2.8 482.2 11.9 98.5 277.7 75.1 Aug 28, 12:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.3 75.1 Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74.1 Aug 28, 3:00 AM 15.9 338.9 2.8 472.0 11.6 98.5 277.0 75.1 Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76.1 Aug 28, 5:00 AM 15.7 336.2 2.8 475.2 11.8 98.6 278.8 75.1 Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76.1 Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.3 77.1 Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.4 76.1 Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76.1 Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76.1 Aug 28, 8:00 AM 15.7 346.8 2.9 482.4 12.0 98.7 279.5 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 279.5 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 279.5 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 279.5 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 279.5 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 279.3 75.1 74.1 74.1 75.1 75.1 75.1 75.1 75.1 75.1 75.1 75	Aug 27, 4:00 PM	15.8	342.6	2.9	485.9	11.8	98.6	279.0	75.2
Aug 27, 7:00 PM 16.6 339.9 2.7 483.4 11.9 98.5 278.8 76.1 Aug 27, 8:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75.1 Aug 27, 9:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73.1 Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74.1 Aug 27, 11:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74.1 Aug 27, 11:00 PM 15.8 338.7 2.8 475.4 11.7 98.5 277.7 75.1 Aug 28, 12:00 AM 16.3 338.7 2.8 482.2 11.9 98.5 277.7 75.1 Aug 28, 1:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.3 75.1 Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74.1 Aug 28, 3:00 AM 15.9 338.9 2.8 472.0 11.6 98.5 277.0 75.1 Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76.1 Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.9 76.1 Aug 28, 5:00 AM 15.7 332.0 2.8 473.2 11.8 98.6 278.8 75.1 Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76.1 Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76.1 Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.4 76.1 Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.4 76.1 Aug 28, 8:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.4 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3 75.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3 75.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3 75.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3 75.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3 75.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3 75.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3 75.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.8 76.1 Aug 28, 10:00 AM 16.1 340.4 2.8 433.6 11.9 98.7 279.3	Aug 27, 5:00 PM	15.8	344.4	2.8	484.5	11.8	98.6	278.7	75.4
Aug 27, 8:00 PM 15.8 342.1 2.8 483.5 11.8 98.5 278.7 75. Aug 27, 9:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73. Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74. Aug 28, 12:00 AM 15.8 337.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 12:00 AM 16.3 338.7 2.8 491.5 11.8 98.5 277.7 75. Aug 28, 1:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.7 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 <td< td=""><td>Aug 27, 6:00 PM</td><td>15.8</td><td>346.1</td><td>2.7</td><td>487.2</td><td>11.8</td><td>98.5</td><td>279.1</td><td>75.0</td></td<>	Aug 27, 6:00 PM	15.8	346.1	2.7	487.2	11.8	98.5	279.1	75.0
Aug 27, 9:00 PM 15.8 351.2 2.8 494.5 11.5 98.5 277.2 73.1 Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74. Aug 27, 11:00 PM 15.8 337.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 12:00 AM 16.3 338.7 2.8 482.2 11.9 98.5 277.7 75. Aug 28, 1:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.3 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5	Aug 27, 7:00 PM	16.6	339.9	2.7	483.4	11.9	98.5	278.8	76.0
Aug 27, 10:00 PM 15.8 338.1 2.8 476.2 11.6 98.4 276.8 74. Aug 27, 11:00 PM 15.8 337.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 12:00 AM 16.3 338.7 2.8 482.2 11.9 98.5 277.7 75. Aug 28, 1:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.3 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 1	Aug 27, 8:00 PM	15.8	342.1	2.8	483.5	11.8	98.5	278.7	75.3
Aug 27, 11:00 PM 15.8 337.1 2.8 475.4 11.7 98.5 277.5 74. Aug 28, 12:00 AM 16.3 338.7 2.8 482.2 11.9 98.5 277.7 75. Aug 28, 1:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.3 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 279.1 76. Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77. Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12	Aug 27, 9:00 PM	15.8	351.2	2.8	494.5	11.5	98.5	277.2	73.9
Aug 28, 12:00 AM 16.3 338.7 2.8 482.2 11.9 98.5 277.7 75. Aug 28, 1:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.3 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77. Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12	Aug 27, 10:00 PM	15.8	338.1	2.8	476.2	11.6	98.4	276.8	74.3
Aug 28, 1:00 AM 15.8 347.7 2.8 491.5 11.8 98.5 277.3 75. Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77. Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76. Aug 28, 9:00 AM 15.7 346.8 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.	Aug 27, 11:00 PM	15.8	337.1	2.8		11.7	98.5	277.5	74.7
Aug 28, 2:00 AM 15.7 334.9 2.8 472.0 11.6 98.5 277.2 74. Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77. Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76. Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76. Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11	Aug 28, 12:00 AM	16.3	338.7	2.8	482.2	11.9	98.5	277.7	75.8
Aug 28, 3:00 AM 15.9 338.9 2.8 478.1 11.8 98.5 277.0 75. Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77. Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76. Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76. Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76. Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 1	Aug 28, 1:00 AM	15.8	347.7	2.8	491.5	11.8	98.5	277.3	75.5
Aug 28, 4:00 AM 16.4 325.4 2.8 463.6 12.0 98.6 278.9 76. Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.8 75. Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76. Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77. Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76. Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76. Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76. Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 1	Aug 28, 2:00 AM	15.7	334.9	2.8	472.0	11.6	98.5	277.2	74.5
Aug 28, 5:00 AM 15.7 336.2 2.8 473.2 11.8 98.6 278.8 75.1 Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76.1 Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77.1 Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76.1 Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76.1 Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76.1 Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76.1 Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75.1 Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74.1 Aug 28, 2:00 PM 15.8 293.7 2.9 416.6	Aug 28, 3:00 AM	15.9	338.9	2.8	478.1	11.8	98.5	277.0	75.3
Aug 28, 6:00 AM 15.7 332.0 2.8 467.3 11.9 98.6 279.1 76.1 Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77.1 Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76.1 Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76.1 Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76.1 Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76.1 Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75.1 Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74.1 Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.1	Aug 28, 4:00 AM	16.4	325.4	2.8	463.6	12.0	98.6	278.9	76.9
Aug 28, 7:00 AM 16.4 334.4 2.8 477.5 12.1 98.6 279.3 77.7 Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76. Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76. Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76. Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	Aug 28, 5:00 AM	15.7	336.2	2.8	473.2	11.8	98.6	278.8	75.6
Aug 28, 8:00 AM 15.6 337.5 2.9 479.4 12.0 98.7 279.4 76. Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76. Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76. Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	Aug 28, 6:00 AM	15.7	332.0	2.8	467.3	11.9	98.6	279.1	76.0
Aug 28, 9:00 AM 15.7 339.3 2.9 480.9 12.0 98.7 279.5 76. Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76. Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76. Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	-	16.4	334.4	2.8	477.5		98.6	279.3	77.0
Aug 28, 10:00 AM 15.7 346.8 2.9 492.4 12.0 98.7 279.8 76. Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76. Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	Aug 28, 8:00 AM								76.8
Aug 28, 11:00 AM 16.1 340.4 2.8 483.6 11.9 98.7 278.8 76. Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	Aug 28, 9:00 AM	15.7							76.5
Aug 28, 12:00 PM 16.0 329.0 3.0 471.0 11.8 98.7 277.3 75. Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	-								76.7
Aug 28, 1:00 PM 15.8 315.6 2.9 447.7 11.5 98.7 276.2 74. Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	-			2.8					76.2
Aug 28, 2:00 PM 15.8 293.7 2.9 416.6 11.6 98.7 276.2 74.	-								75.4
-									74.0
Aug 28, 3:00 PM 16.3 271.6 2.8 386.9 11.7 98.7 276.8 75.	-								74.4
	Aug 28, 3:00 PM	16.3	271.6	2.8	386.9	11.7	98.7	276.8	75.2

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 28, 4:00 PM	16.3	292.0	2.9	417.9	11.9	98.7	277.6	76.3
Aug 28, 5:00 PM	16.0	302.6	2.8	427.7	11.8	98.7	278.3	75.8
Aug 28, 6:00 PM	16.0	311.0	2.8	438.9	11.8	98.8	278.1	75.6
Aug 28, 7:00 PM	16.6	292.1	2.8	416.3	11.6	98.8	275.9	73.0
Aug 28, 7:00 PM	15.7	291.0	2.8	411.3	11.7	98.9	277.3	74.3 75.4
• .								
Aug 28, 9:00 PM	15.6	286.1	2.8	402.5	11.8	98.9	278.5	75.6
Aug 28, 10:00 PM	15.6	281.6	2.8	395.4	11.8	99.0	278.6	76.0
Aug 28, 11:00 PM	15.5	282.1	2.8	395.8	11.9	99.0	279.2	76.2
Aug 29, 12:00 AM	16.3	279.1	2.8	397.9	12.1	99.1	279.8	77.8
Aug 29, 1:00 AM	15.4	281.4	2.9	397.4	11.9	99.1	279.0	76.3
Aug 29, 2:00 AM	15.4	284.1	2.9	401.2	12.0	99.1	279.5	76.8
Aug 29, 3:00 AM	15.6	279.9	2.8	395.5	11.9	99.1	279.2	76.4
Aug 29, 4:00 AM	16.0	284.9	2.9	406.7	12.1	99.1	279.7	77.3
Aug 29, 5:00 AM	15.5	299.8	2.8	420.8	11.8	99.2	279.2	76.1
Aug 29, 6:00 AM	16.2	297.1	2.8	420.9	12.0	99.2	279.1	77.0
Aug 29, 7:00 AM	15.3	300.2	2.9	423.7	12.0	99.3	279.4	77.0
Aug 29, 8:00 AM	15.2	300.9	2.9	424.5	11.9	99.3	279.4	76.7
Aug 29, 9:00 AM	15.3	301.5	2.9	425.2	11.9	99.3	279.4	76.5
Aug 29, 10:00 AM	15.4	299.3	2.9	423.0	11.9	99.4	279.8	76.6
Aug 29, 11:00 AM	16.0	289.6	2.8	410.8	12.1	99.3	280.5	77.4
Aug 29, 12:00 PM	15.6	298.5	3.0	425.0	12.0	99.3	280.9	77.0
Aug 29, 1:00 PM	15.5	316.5	2.9	447.7	12.0	99.3	280.3	76.9
Aug 29, 2:00 PM	15.4	301.5	3.0	428.5	12.0	99.3	280.0	77.0
Aug 29, 3:00 PM	15.6	293.6	3.0	417.6	11.9	99.3	279.2	76.7
Aug 29, 4:00 PM	16.1	305.3	3.0	438.1	11.9	99.3	278.5	76.7
Aug 29, 5:00 PM	15.4	286.2	3.0	407.0	11.9	99.3	278.5	76.5
Aug 29, 6:00 PM	15.4	276.2	3.0	392.6	11.8	99.3	278.7	76.1
Aug 29, 7:00 PM	16.1	264.4	3.0	379.1	12.0	99.3	278.5	76.9
Aug 29, 8:00 PM	15.2	261.8	3.0	372.2	11.9	99.2	279.1	76.3
Aug 29, 9:00 PM	15.3	259.4	3.0	368.5	12.0	99.2	279.2	77.2
Aug 29, 10:00 PM	15.2	258.3	3.0	366.4	11.9	99.2	279.2	76.6
Aug 29, 11:00 PM	15.4	251.0	3.0	356.4	12.0	99.2	279.1	76.9
Aug 30, 12:00 AM	15.8	260.4	3.0	373.0	12.1	99.2	279.4	77.6
Aug 30, 1:00 AM	15.1	263.7	3.0	373.9	12.0	99.2	279.3	77.0
Aug 30, 2:00 AM	15.1	259.0	3.0	366.6	11.9	99.2	278.8	76.3
Aug 30, 3:00 AM	15.1	262.6	3.0	371.7	11.9	99.1	279.4	76.6
Aug 30, 4:00 AM	15.9	250.8	3.0	358.8	12.1	99.0	279.2	77.8
Aug 30, 5:00 AM	15.1	260.5	3.0	368.9	12.0	99.0	279.4	77.1
Aug 30, 6:00 AM	15.9	261.5	3.0	373.9	12.1	99.0	279.4	77.8
Aug 30, 7:00 AM	15.3	244.5	3.0	347.0	12.1	99.0	279.0	77.8
Aug 30, 8:00 AM	16.4	240.0	3.0	345.7	12.3	99.0	278.8	78.7
Aug 30, 9:00 AM	18.0	225.2	2.9	331.2	11.7	99.0	278.0	75.3
Aug 30, 10:00 AM	23.2	120.2	3.4	197.0	5.9	98.8	248.9	39.6
Aug 30, 11:00 AM	24.9	61.8	3.7	107.3	4.3	98.8	228.8	30.3
Aug 30, 12:00 PM	24.7	52.1	4.0	93.0	4.4	98.7	226.8	30.8
Aug 30, 1:00 PM	25.7 R	37.5 R	4.0	68 R	4.2	98.7	221.2	29.6
Aug 30, 2:00 PM	26.0 R	35.0 R	3.8	62 R	4.1	98.6	220.7	29.4
Aug 30, 3:00 PM	25.7 R	31.4 R	4.0	57 R	4.2	98.6	220.7	29.8
Aug 30, 4:00 PM	23.8 R	28.2 R	4.2	64 R	4.1	98.5	220.1	29.4
Aug 30, 5:00 PM	25.9 R	28.0 R	3.8	50 R	4.1	98.5	220.0	29.6
Aug 30, 6:00 PM	26.8 R	25.1 R	3.9	46 R	4.2	98.4	220.7	30.1
Aug 30, 7:00 PM	24.9 R	21.8 R	4.0	41 R	4.3	98.3	221.8	30.3
Aug 30, 8:00 PM	24.1 R	21.7 R	3.9	44 R	4.2	98.3	221.6	29.8
Aug 30, 9:00 PM	26.2 R	14.8 R	3.8	26 R	4.1	98.4	221.3	29.4
Aug 30, 10:00 PM	26.1 R	14.0 R	3.8	25 R	4.1	98.3	221.7	29.3
7.44 00, 10.00 I W	I 20.11X	14.010	5.0	20 1	7.1	30.3	221.1	23.3

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Aug 30, 11:00 PM	25.8 R	12.9 R	3.8	(FFIW/III) 23 R	4.1	98.3	222.5	29.4
Aug 30, 11:00 PM	23.8 R	9.2 R	4.2	23 R 29 R	4.1	98.4	221.9	29.4
-	25.6 R	9.2 R 6.5 R		12 R			221.9	
Aug 31, 1:00 AM			4.1 4.4		4.3	98.4	221.9	30.8
Aug 31, 2:00 AM	25.0 R	5.0 R		9 R	4.4	98.3		31.0
Aug 31, 3:00 AM	25.0 R	4.3 R	4.4	8 R	4.2	98.3	222.1	30.0
Aug 31, 4:00 AM	24.9 R	3.5 R	4.3	7 R	4.2	98.2	222.8	29.8
Aug 31, 5:00 AM	25.4 R	2.7 R	4.2	5 R	4.2	98.2	222.7	29.5
Aug 31, 6:00 AM	24.9 R	2.5 R	4.1	5 R	4.3	98.2 98.2	222.8	30.3
Aug 31, 7:00 AM	25.4 R	2.4 R	4.1	4 R	4.3	98.2	220.0	30.5
Aug 31, 8:00 AM	24.9 R 21.3 R	1.4 R 1.9 R	4.3 3.7	3 R 6 R	4.3	98.3	220.5 222.8	30.5 30.3
Aug 31, 9:00 AM	16.0 R	91.3 R	3.6	221 R	4.3	98.3	224.4	30.3
Aug 31, 10:00 AM	24.5 R	91.3 R 0.8 R	4.2	221 R	4.3	98.3	223.6	29.8
Aug 31, 11:00 AM Aug 31, 12:00 PM	24.3 R	1.9 R	4.4	4 R	3.9	98.3	218.2	28.0
Aug 31, 1:00 PM	28.1 R	58.9 R	3.5	105 R	4.0	98.3	216.1	28.9
Aug 31, 1:00 PM	28.0 R	55.5 R	3.8	103 R	4.0	98.2	216.9	28.8
Aug 31, 3:00 PM	25.9 R	45.0 R	4.6	86 R	4.0	98.2	214.0	28.7
Aug 31, 4:00 PM	24.2 R	40.6 R	4.4	91 R	4.0	98.1	214.1	28.9
Aug 31, 5:00 PM	26.7 R	49.4 R	3.8	90 R	4.0	98.1	215.6	28.6
Aug 31, 6:00 PM	26.6 R	49.6 R	3.8	89 R	4.0	98.1	215.9	28.7
Aug 31, 7:00 PM	26.4 R	45.5 R	4.0	83 R	4.0	98.1	215.2	28.8
Aug 31, 8:00 PM	25.9 R	38.4 R	4.2	81 R	4.2	98.1	216.6	29.9
Aug 31, 9:00 PM	26.2 R	43.7 R	4.1	81 R	4.0	98.2	215.9	29.0
Aug 31, 10:00 PM	26.0 R	41.1 R	4.3	77 R	4.0	98.2	215.5	29.1
Aug 31, 11:00 PM	25.9 R	39.3 R	4.2	73 R	4.1	98.1	215.4	29.3
Sep 1, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 1, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



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Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow (m³/sec)
Sep 2, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 2, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 3, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow
Sep 4, 3:00 PM	PD	PD	PD	(PPM/hr) PD	PD	PD	PD	(m³/sec) PD
Sep 4, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
·	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 7:00 PM Sep 4, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 9.00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 4, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
·	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 4:00 AM	PD						PD	PD
Sep 5, 5:00 AM Sep 5, 6:00 AM	PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD	PD
• •	PD PD	PD	PD	PD	PD	PD	PD PD	PD PD
Sep 5, 7:00 AM Sep 5, 8:00 AM	PD PD	PD	PD	PD	PD	PD	PD PD	PD PD
Sep 5, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 9.00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 11:00 AW	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 5, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 6, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Sep 6, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 7, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 8, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



0	1100	200	00	200	Ct1- \/-1it	Ota ala Danasana	Ctl-T	NI 1: 1 \ \ / - t
Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow (m³/sec)
Sep 9, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 9, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 10, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 3:00 AM Sep 11, 4:00 AM	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD
Sep 11, 5:00 AM Sep 11, 6:00 AM	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD
Sep 11, 6:00 AM Sep 11, 7:00 AM	PD	PD	PD	PD	PD	PD	PD PD	PD
Sep 11, 7:00 AM Sep 11, 8:00 AM	PD	PD	PD	PD PD	PD	PD	PD PD	PD
·	PD	PD	PD	PD	PD	PD	PD PD	PD
Sep 11, 9:00 AM Sep 11, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 11:00 AW	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
36p 11, 2.00 FW	FD	FD	FD	FD	FD	20	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Sep 11, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 11, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 12, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 13, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow
0 40 . 44 .00 PM	55	20	DD	(PPM/hr)	20	20	20	(m³/sec)
Sep 13, 11:00 PM	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD
Sep 14, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 1:00 AM		PD		PD	PD		PD	
Sep 14, 2:00 AM	PD		PD			PD		PD
Sep 14, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 14, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 15, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	LIDO	CO2 wat	O2 wet	202	Stack Velocity	Ctaals Dragging	StackTemperature	Normalized Wet
Component	H2O (%)	SO2_wet (PPM/hr)	(%Wet)	SO2 (Dry_O2corr) (PPM/hr)	(m/s)	Stack Pressure (kPa)	(°C)	Flow (m³/sec)
Sep 16, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 16, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 17, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow
Sep 18, 3:00 PM	PD	PD	PD	(PPM/hr) PD	PD	PD	PD	(m³/sec) PD
Sep 18, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
·	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 8:00 PM	PD PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 9:00 PM	PD PD	PD	PD	PD	PD	PD	PD	PD
Sep 18, 10:00 PM								
Sep 18, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 19, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 20, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow
Con 20, 44,00 DM	PD	PD	PD	(PPM/hr) PD	PD	PD	PD	(m³/sec) PD
Sep 20, 11:00 PM Sep 21, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 11:00 AM Sep 21, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
·	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 1:00 PM Sep 21, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
. ,	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 4:00 PM Sep 21, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 21, 11:00 PM Sep 22, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
·	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 9:00 AM Sep 22, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
•	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 12:00 PM Sep 22, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 2:00 PM	PD	PD	PD	PD	PD	PD	PD PD	PD PD
Sep 22, 3:00 PM Sep 22, 4:00 PM	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD
·	PD	PD	PD	PD	PD	PD	PD	PD
Sep 22, 5:00 PM Sep 22, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
·	PD	PD		PD	PD		PD	
Sep 22, 7:00 PM Sep 22, 8:00 PM	PD	PD	PD PD	PD	PD	PD PD	PD	PD PD
·	PD	PD		PD	PD	PD	PD	PD
Sep 22, 9:00 PM Sep 22, 10:00 PM	PD PD	PD	PD PD	PD PD	PD	PD	PD PD	PD PD
·	PD PD	PD		PD	PD	PD	PD	
Sep 22, 11:00 PM		PD	PD	PD PD				PD PD
Sep 23, 12:00 AM	PD PD	PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD
Sep 23, 1:00 AM Sep 23, 2:00 AM	PD PD	PD	PD	PD PD	PD	PD	PD PD	PD PD
·	PD	PD	PD	PD	PD	PD	PD	PD PD
Sep 23, 3:00 AM		PD		PD PD	PD		PD	
Sep 23, 4:00 AM	PD	PD	PD			PD	PD	PD
Sep 23, 5:00 AM	PD	PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD
Sep 23, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Normalized Wet Flow (m³/sec)
Sep 23, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 23, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 3:00 PM	PD	PD PD	PD	PD PD	PD	PD	PD	PD
Sep 24, 4:00 PM Sep 24, 5:00 PM	PD PD	PD	PD PD	PD	PD PD	PD PD	PD PD	PD PD
Sep 24, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 24, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



Component	H2O	SO2_wet	O2 wet	SO2	Stack Velocity	Stack Pressure	StackTemperature	Normalized Wet
Component	(%)	(PPM/hr)	(%Wet)	(Dry_O2corr) (PPM/hr)	(m/s)	(kPa)	(°C)	Flow (m³/sec)
Sep 25, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 25, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 26, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 27, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Source: FCC Regenerator Overheard via CO Boiler



0	1100	CO0t	00	500	Charle Valarite	Otaali Daaaaaa	Ctl-T	Normalina d Mat
Component	H2O (%)	SO2_wet (PPM/hr)	O2_wet (%Wet)	SO2 (Dry_O2corr) (PPM/hr)	Stack Velocity (m/s)	Stack Pressure (kPa)	StackTemperature (°C)	Flow (m³/sec)
Sep 27, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 28, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 1:00 PM	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD	PD PD
Sep 29, 2:00 PM Sep 29, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 29, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 12:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 1:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 2:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 3:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 4:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 5:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 6:00 AM	PD	PD	PD	PD	PD	PD	PD	PD

O. Reg. 88/22 Section 34 Quarterly Report – Imperial Oil Nanticoke Refinery

CEMS Multi-Component Data Report (1-hour average)

Source: FCC Regenerator Overheard via CO Boiler



Report Period: From 2024-07-01 12:00:00 AM to 2024-10-01 12:00:00 AM

Component	H2O	SO2_wet	O2 wet	SO2	Stack Velocity	Stack Pressure	StackTemperature	Normalized Wet
2011, 2010111	(%)	(PPM/hr)	(%Wet)	(Dry_O2corr)	(m/s)	(kPa)	(°C)	Flow
	(*-/	, ,	(,	(PPM/hr)	(/	(- /	(- /	(m³/sec)
Sep 30, 7:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 8:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 9:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 10:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 11:00 AM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 12:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 1:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 2:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 3:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 4:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 5:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 6:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 7:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 8:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 9:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 10:00 PM	PD	PD	PD	PD	PD	PD	PD	PD
Sep 30, 11:00 PM	PD	PD	PD	PD	PD	PD	PD	PD

Legend

Legena	
Symbol	Name
С	MCS or Flowsic Calibration
M	MCS Maintenance
R	H2O Over Range
MV	Missing Value
PD	Process Down



(Kg/hr) (PPWhr) (PPWhr) Sulfide (Nm3/hr) (m/hr) Temperature (PSIA) Value (NG) SFlow (BTU/scf) (BTU/ft2) F	C	COOM Data C		ahaa Diadida	Ukudanaa	NEL	Flans Valanita	FI	Eleas Deserves	Net Heeting	C	NI	NI45 NII IV/-III	CO2 M
Mat 1966 MA	Component					NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value		North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
Mail	lul 1 12:00 AM						80						80	(Kq/day)
Mail 1999 Mail														
M1 1,000 M2 1,000 M3														
MAT 1900M														
MATERIAN -50														
Mail 1990 M														
Mail 1700 MM														
Mail														
Mat 1,000 AM														
Mil 1,1000 MI														
Mail 1900 Solution														
MAIL TOOP NAME														
July 1199PM														
July 1200 PM														
Mail														
MILTARPH														
Mail Storm														
### 1.40 PM -50														
Mail You Pirk														
Mail 189 PM														
Mail 1,000 PM														
July 1909/PM														
July 1159 PM														
Mail 1700 AM														0.0
Mart 159 MM														0.0
July 2 200 MM														0.0
July 1, 25,00 AM														0.0
July 4 450 MM			SO		SO		SO		SO			SO	SO	0.0
July 2 600 AM			SO		SO		SO	SO	SO	SO	SO	SO	SO	0.0
Mul 2700 MM	Jul 2, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
MJ 2 600 AM	Jul 2, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2 500 AM	Jul 2, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
MJ 2,1109 AM	Jul 2, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
July 1100 PM	Jul 2, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Mail 12 F20 PM \$0	Jul 2, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2 100 PM	Jul 2, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
July 2-200PM -5050505050505050505050 -	Jul 2, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2, 300 PM S0	Jul 2, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2, 400 PM	Jul 2, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2, 500 PM	Jul 2, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2, 600 PM	Jul 2, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2, 700 PM	Jul 2, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2, 800 PM	Jul 2, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2 : 900 PM	Jul 2, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 2, 1000 PM	Jul 2, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
July 2, 11,00 PM	Jul 2, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 3, 12,00 AM								SO		SO		SO	SO	0.0
Jul 3, 100 AM														0.0
Jul 3, 200 AM Jul 3, 300 AM Jul 3, 400 AM Ju														0.0
Jul 3, 300 AM Jul 3, 400 AM Jul 3, 400 AM Jul 3, 400 AM Jul 3, 400 AM Jul 3, 500 AM Ju														0.0
Jul 3, 400 AM														0.0
Jul 3, 500 AM Ju														0.0
Jul 3, 600 AM														0.0
Juli 3,700 AM														0.0
Jul 3, 800 AM														0.0
Juli 3, 900 AM														4.0
Jul 3, 10:00 AM														6.3
Jul 3, 11:00 AM														6.3
Jul 3, 12:00 PM														6.3
Jul 3, 1:00 PM														6.3
Jul 3, 2:00 PM														6.3 6.3
Jul 3, 3:00 PM														6.3
Jul 3, 4:00 PM														6.3
Jul 3, 5:00 PM														6.3
Jul 3, 6:00 PM														6.3
Jul 3, 7:00 PM														6.3
Jul 3, 8:00 PM														6.3
Jul 3, 9:00 PM														6.3
Jul 3, 10:00 PM														6.3
Jul 4, 12:00 AM														6.3
Jul 4, 12:00 AM														6.3
Jul 4, 1:00 AM														6.3
Jul 4, 2:00 AM SO SO <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>6.3</td></td<>														6.3
Jul 4, 3:00 AM														6.3
Jul 4, 4:00 AM														6.3
Jul 4, 5:00 AM SO S														6.3
Jul 4, 6:00 AM SO S														6.3
Jul 4, 7:00 AM														6.3
Jul 4, 8:00 AM SO -														2.4
Jul 4, 9:00 AM SO -														0.0
Jul 4, 10:00 AM SO														0.0
Jul 4, 11:00 AM SO														0.0
	Jul 4, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
	Jul 4, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0



Commont	L COO Mara Bata C	Santana Califola Ca	DiIfi-I-	Underse	NEL	[] \/- i +-	Fl	Flara Danassia	Nat Haatina	C	N = +4= NII I\/==	NI 41- NII IV/-III	CO2 M
Component	SO2 Mass Rate C (Kg/hr)	(PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Jul 4, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 4, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 9:00 AM Jul 5, 10:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 5, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 5, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 8:00 AM Jul 6, 9:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 6, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 6, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 4:00 AM	SO	SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	0.0
Jul 7, 5:00 AM	SO	SO	SO		SO		SO		SO		SO		0.0
Jul 7, 6:00 AM Jul 7, 7:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 7, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 7, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0



Component	SO2 Mass Rate C (Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Jul 8, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 8, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
				SO		SO		SO					0.0
Jul 8, 10:00 PM	SO	SO	SO		SO		SO		SO	SO	SO	SO	0.0
Jul 8, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 9, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 9, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 1:00 PM	SO	SO	SO	SO	SO	SO		SO	SO	SO	SO	SO	
							SO						
Jul 10, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Jul 10, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 10, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Jul 11, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
													0.0
Jul 11, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Jul 11, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 11, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
								SO		SO			
	SO	SO	SO	SO	SO	SO	50		(3()	(10)	50	SOI	
Jul 11, 12:00 PM Jul 11, 1:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	SO SO	SO	SO SO	SO SO	0.0



Component	SO2 Mass Rate C			Hydrogen	NFlow (N==2/h=)	Flare Velocity	Flare	Flare Pressure	Net Heating	Support Gas	North NHVcz	North NHVdil	SO2 Mass
	(Kg/hr)	(PPM/hr)	(PPM/hr)	Sulfide (PPM/hr)	(Nm3/hr)	(m/hr)	Temperature (deg. C)	(PSIA)	Value (BTU/scf)	(NG) SFlow (Sft3/h)	(BTU/scf)	(BTU/ft2)	Rate (Kg/day)
Jul 11, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 11, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 12, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
				SO		SO				SO			
Jul 13, 4:00 AM	SO	SO	SO		SO		SO	SO	SO		SO	SO	0.0
Jul 13, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 13, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
		SO		SO		SO		SO		SO	SO	SO	0.0
Jul 14, 7:00 AM	SO		SO		SO		SO		SO				
Jul 14, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 14, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
22 2, 0.00 /								- 55		- 55	- 55	50	5.0



Component	SO2 Mass Rate C (Kg/hr)	arbonyl Sulfide Ca (PPM/hr)	arbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
	(119/111)	(1 1 100111)	(1 1 100111)	(PPM/hr)	(141113/111)	(117111)	(deg. C)	(1 01/1)	(BTU/scf)	(Sft3/h)	(10/301)	(510/12)	(Kg/day)
Jul 15, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO SO	0.0
Jul 15, 12:00 PM Jul 15, 1:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	0.0
Jul 15, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 15, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 16, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 6:00 AM	SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	SO SO	SO	SO SO	SO SO	SO SO	0.0
Jul 17, 7:00 AM Jul 17, 8:00 AM	SO SO	SO	SO	SO	SO	SO	SO SO	SO	SO SO	SO	SO	SO	0.0
Jul 17, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Jul 17, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 17, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 11:00 AM	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO	SO SO	SO SO	0.0
Jul 18, 12:00 PM Jul 18, 1:00 PM	SO SO	SO SO	SO SO	SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 18, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
1 30. 10, 7.00 1 141	1	00	00	00	55	55	55	55	55	55	55	50	0.0



Component	SO2 Mass Rate ((Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deq. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day
Jul 18, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 18, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 19, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 19, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 19, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 19, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 19, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
													0.
Jul 19, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 19, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 19, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Jul 20, 5:00 PM													0
Jul 20, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Jul 20, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 20, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 21, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 21, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 21, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	c
Jul 21, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
				SO		SO		SO		SO		SO	
Jul 21, 7:00 AM	SO	SO	SO		SO		SO		SO		SO		C
Jul 21, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 21, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 21, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 21, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	O
Jul 21, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	d
Jul 21, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
		SO	SO	SO		SO		SO			SO	SO	
Jul 21, 6:00 PM	SO				SO		SO		SO	SO			0
Jul 21, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Jul 21, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Jul 21, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Jul 21, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Jul 21, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Jul 22, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 22, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 22, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
001 44, 4.00 MIVI		SO											
hil 22 2:00 ***		S()	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Jul 22, 3:00 AM	SO												
Jul 22, 3:00 AM Jul 22, 4:00 AM Jul 22, 5:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0



Component	SO2 Mass Rate Ca (Kg/hr)	arbonyl Sulfide Ca (PPM/hr)	arbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
				(PPM/hr)			(deg. C)		(BTU/scf)	(Sft3/h)			(Kg/day)
Jul 22, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 7:00 AM Jul 22, 8:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 22, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 22, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 12:00 AM	SO	SO	SO	SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO	0.0
Jul 23, 1:00 AM Jul 23, 2:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO SO	0.0
Jul 23, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 23, 9:00 PM Jul 23, 10:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 23, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 2:00 PM Jul 24, 3:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 24, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 24, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 8:00 AM	SO	SO	SO	SO SO	SO	SO SO	SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 25, 9:00 AM Jul 25, 10:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 25, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 11:00 AM Jul 25, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
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Component	SO2 Mass Rate C (Kg/hr)	arbonyl Sulfide Ca (PPM/hr)	arbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
				(PPM/hr)			(deg. C)		(BTU/scf)	(Sft3/h)			(Kg/day)
Jul 25, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 8:00 PM Jul 25, 9:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 25, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 25, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 8:00 AM Jul 26, 9:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 26, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 8:00 PM Jul 26, 9:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 26, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 26, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 8:00 AM Jul 27, 9:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 27, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 7:00 PM Jul 27, 8:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 27, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 27, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 28, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 28, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 28, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 28, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 28, 4:00 AM	32.7	48.0	9.8	8867.0	1164.9	1696.2	18.1	15.4	1502.0	118.7	1466.3	117.6	32.7
Jul 28, 5:00 AM	SO SO	SO SO	SO	SO SO	SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	32.7 32.7
Jul 28, 6:00 AM Jul 28, 7:00 AM	SO	SO SO	SO SO	SO	SO SO	SO	SO	SO	SO SO	SO SO	SO SO	SO SO	32.7
Jul 28, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 4:00 PM Jul 28, 5:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	32.7 32.7
Jul 28, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 28, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 29, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 29, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 29, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 29, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	32.7
Jul 29, 4:00 AM Jul 29, 5:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Jul 29, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
												0	



Component	SO2 Mass Rate C	Carbonyl Sulfide C	arhon Disulfide	Hydrogen	NFlow	Flare Velocity	Flare	Flare Pressure	Net Heating	Support Gas	North NHVcz	North NHVdil	SO2 Mass
Component	(Kg/hr)	(PPM/hr)	(PPM/hr)	Sulfide	(Nm3/hr)	(m/hr)	Temperature	(PSIA)	Value	(NG) SFlow	(BTU/scf)	(BTU/ft2)	Rate
Jul 29, 8:00 AM	SO	SO	SO	(PPM/hr) SO	SO	SO	(deg. C) SO	SO	(BTU/scf) SO	(Sft3/h) SO	SO	SO	(Kg/day) 0.0
Jul 29, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 29, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
	SO	SO	SO	SO	SO	SO		SO	SO	SO	SO	SO	
Jul 29, 11:00 PM						SO	SO						0.0
Jul 30, 12:00 AM	SO	SO	SO	SO	SO		SO	SO	SO	SO	SO	SO	0.0
Jul 30, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 30, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Jul 31, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 1, 11:00 AM												SO	
Aug 1, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO		0.0
Aug 1, 1:00 PM	4.8	32.7	4.2	1400.4	1300.5	2286.9	42.4	14.0	1822.2	110.7	1820.1	160.9	4.8
Aug 1, 2:00 PM	4.8	33.1	3.6	1404.9	1290.1	2312.2	41.6	13.7	1839.9	108.2	1837.7	161.1	9.6
Aug 1, 3:00 PM	3.0	38.4	4.2	1344.3	816.1	1474.6	41.3	13.6	1815.6	103.8	1812.1	101.9	12.6
Aug 1, 4:00 PM	2.3	47.0	5.6	1693.4	532.2	970.1	41.0	13.5	1733.1	101.4	1711.2	63.7	14.9
Aug 1, 5:00 PM	2.3	52.7	5.9	2204.7	377.1	687.0	38.8	13.4	1689.6	104.9	1621.7	44.2	17.2
Aug 1, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 1, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 1, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2



Component	(Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deq. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Aug 1, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 1, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 1, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 7:00 AM	SM	SM	SM	SM	242.4	442.9	22.9	12.8	SM	SM	SM	SM	17.2
Aug 2, 8:00 AM	SM	SM	SM	SM	210.6	369.9	23.2	13.2	SM	SM	SM	SM	17.2
Aug 2, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	17.2
Aug 2, 1:00 PM	SM	SM	SM	SM	234.3	408.8	35.0	13.8	SM	SM	SM	SM	12.4
Aug 2, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.6
Aug 2, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	4.6
Aug 2, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	2.3
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 2, 5:00 PM	SO	SO	SO	SO	SO	SO		SO		SO		SO	
Aug 2, 6:00 PM							SO		SO		SO		0.0
Aug 2, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 2, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 2, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 2, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 2, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
-				SO		SO		SO		SO		SO	0.0
Aug 3, 11:00 AM	SO	SO	SO	SO	SO	SO	SO		SO	SO	SO		
Aug 3, 12:00 PM	SO	SO	SO		SO		SO	SO	SO		SO	SO	0.0
Aug 3, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 3, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
-	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Aug 4, 9:00 AM													0.0
Aug 4, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 4, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
7 tug 5, 2.00 7 tivi	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 3:00 AM			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
	SO	SO	30									001	
Aug 5, 3:00 AM Aug 5, 4:00 AM							SO	SO	SO	SO			
Aug 5, 3:00 AM Aug 5, 4:00 AM Aug 5, 5:00 AM	SO	SO	SO	SO	SO	SO	SO SO	SO	SO	SO SO	SO	SO	0.0
Aug 5, 3:00 AM Aug 5, 4:00 AM Aug 5, 5:00 AM Aug 5, 6:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	SO	SO	SO	SO SO	SO SO	0.0
Aug 5, 3:00 AM Aug 5, 4:00 AM Aug 5, 5:00 AM	SO	SO	SO	SO	SO	SO					SO	SO	0.0



Component	(Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day
Aug 5, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 5, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 5, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 5, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 5, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 5, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 5, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 6, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 6, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 6, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 6, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	O
Aug 6, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 6, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 7, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 7, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 7, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 7, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	O
Aug 7, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 7, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 8, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
-													
Aug 8, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 8, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 8, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 8, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 8, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Aug 8, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Aug 8, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Aug 8, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	(
Aug 8, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 8, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
ray o, o.ou Fivi		SO	SO	SO	SO	SO		SO		SO	SO	SO	0
						50	SO	50	SO	50	50	50	0
Aug 8, 7:00 PM	SO							00					
	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0



Component	SO2 Mass Rate ((Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Aug 8, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
													0.0
Aug 9, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Aug 9, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 9, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
-													
Aug 9, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
		SO		SO		SO				SO		SO	
Aug 10, 8:00 AM	SO		SO		SO		SO	SO	SO		SO		0.0
Aug 10, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
	SO	SO	SO	SO	SO	SO		SO		SO		SO	0.0
Aug 10, 6:00 PM							SO		SO		SO		
Aug 10, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 10, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 4:00 AM						SO		SO		SO		SO	
-	SO	SO	SO	SO	SO		SO		SO		SO		0.0
Aug 11, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 11, 1:00 PM	4.33	45.1	7.7	3292.2	419.4	664.9	30.8	15.0	1375.4	100.5	1298.7	38.7	4.3
Aug 11, 2:00 PM	3.39	43.9	7.5	3010.1	450.9	714.1	30.6	15.0	1372.5	98.2	1333.7	41.5	7.7
Aug 11, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 11, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 11, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 11, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 11, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 11, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 11, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 11, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 11, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 12, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 12, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 12, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 12, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 12, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 12, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.
Aug 12, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 12, 7:00 AM													
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SOI	1.1
Aug 12, 8:00 AM	SO SO	SO SO	SO SO	SO SO	SO	SO SO	SO	SO SO	SO SO	SO SO	SO SO	SO SO	
	SO SO SO	SO SO	SO SO SO	SO SO SO	SO SO SO	SO SO SO	SO SO	SO SO	SO SO	SO SO	SO SO SO	SO SO SO	7.7 7.7 7.7



Component	(Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day
Aug 12, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 12, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	3.4
Aug 12, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 12, 3:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 12, 4:00 PM Aug 12, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 12, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 12, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 12, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 12, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 12, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 12, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 13, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 13, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 13, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 13, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Aug 13, 11:00 PM													0.
Aug 14, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO SO	SO	SO	SO	SO	0.
Aug 14, 5:00 AM	SO	SO	SO	SO	SO	SO	SO		SO	SO	SO	SO	0.
Aug 14, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 14, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 14, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 14, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 14, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 14, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 14, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 15, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 15, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 15, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	C
Aug 15, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 15, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 15, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
J .,	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 15, 11:00 PM												50 11	



Component	SO2 Mass Rate ((Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Aug 16, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 4:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 16, 5:00 AM Aug 16, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 16, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 17, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 4:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 18, 5:00 AM													0.0
Aug 18, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 7:00 AM Aug 18, 8:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 18, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 18, 5:00 PM	3.6	46.1	16.1	3194.0	354.8	551.4	25.0	15.1	1247.4	116.0	1140.8	30.1	3.6
Aug 18, 6:00 PM	3.2	45.1	15.6	2594.1	468.6	728.6	25.4	15.0	1249.2	122.4	1208.6	39.7	6.8
Aug 18, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 18, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 18, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 18, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 18, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.
Aug 19, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
-5,	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 12:00 PM													



Component	SO2 Mass Rate Co (Kg/hr)	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
				(PPM/hr)			(deg. C)		(BTU/scf)	(Sft3/h)			(Kg/day)
Aug 19, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	6.8
Aug 19, 3:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	6.8 6.8
Aug 19, 4:00 PM Aug 19, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	3.2
Aug 19, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 19, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 19, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 19, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 19, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 19, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 20, 8:00 AM	3.3	32.2	3.4	1032.8	1193.4	1880.0	12.7	14.2	1432.5	106.6	1431.2	109.2	3.3
Aug 20, 9:00 AM	2.9	38.4	4.9	1062.3	1061.8	1678.3	16.5	14.4	1442.8	102.2	1403.9	98.0	6.2
Aug 20, 10:00 AM	4.1	40.1	7.2	1118.2	1318.5	2100.5	20.8	14.4	1448.8	108.0	1424.7	122.6	10.3 13.6
Aug 20, 11:00 AM Aug 20, 12:00 PM	3.4	40.6 42.3	7.6 9.6	998.3 977.2	1247.0 1414.9	1999.2 2271.7	23.0 26.4	14.5 14.6	1462.6 1481.2	108.4 104.4	1461.3 1480.0	117.8 135.5	17.4
Aug 20, 1:00 PM	3.7	39.8	12.2	1034.4	1276.1	2056.1	27.3	14.6	1460.8	109.1	1459.4	121.0	21.1
Aug 20, 1:00 PM	1.3	42.4	11.7	910.9	455.2	728.8	26.0	14.6	1423.8	101.2	1338.3	42.8	22.3
Aug 20, 3:00 PM	1.1	47.3	13.3	974.2	403.7	643.6	27.1	14.7	1418.3	101.2	1345.0	38.0	23.5
Aug 20, 4:00 PM	1.6	47.3	13.5	1066.6	467.4	747.6	27.1	14.7	1410.7	108.3	1317.5	43.6	25.1
Aug 20, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 20, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 20, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 20, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 20, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 20, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 20, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	25.1
Aug 21, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	21.8
Aug 21, 9:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	18.9 14.8
Aug 21, 10:00 AM Aug 21, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	11.5
Aug 21, 11:00 AW	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.7
Aug 21, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	4.0
Aug 21, 2:00 PM	1.9	44.9	15.6	1377.4	478.0	764.0	24.7	14.6	1366.7	106.5	1287.8	43.3	4.6
Aug 21, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	3.5
Aug 21, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 21, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 21, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 21, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 21, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 21, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 21, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 21, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO SO	SO	SO	SO SO	SO	1.9
Aug 22, 6:00 AM Aug 22, 7:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	SO SO	SO SO	SO SO	SO SO	1.9 1.9
Aug 22, 7:00 AM Aug 22, 8:00 AM	SO	SO SO	SO SO	SO SO	SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	1.9
Aug 22, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 9.00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	1.9
Aug 22, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 22, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0



Component	(Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deq. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Aug 23, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 6:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 23, 7:00 AM Aug 23, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 23, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 23, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 23, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 23, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 23, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 23, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 23, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 23, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 24, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 24, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 25, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 25, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 25, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 25, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 25, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 25, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 25, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 26, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 26, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 26, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 26, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 26, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 26, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 26, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 26, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0
Aug 26, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
	SO			SO		SO		SO		SO	SO	SO	0
Aug 26, 9:00 AM		SO	SO		SO		SO		SO				0.
Aug 26, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 26, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Aug 26, 12:00 PM	00	20		20							00		
Aug 26, 1:00 PM Aug 26, 1:00 PM Aug 26, 2:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.



0	1 000 Mars Data C		Distribut	Livelenene	NEL	Floor Volocity	FI	Flare December	Net Heating	C	North NILIVer	N1==45 NILIV/=13	CO2 M
Component	SO2 Mass Rate Co (Kg/hr)	arbonyi Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
Aug 26, 4:00 PM	SO	SO	SO	(PPM/hr) SO	SO	SO	(deg. C)	SO	(BTU/scf) SO	(Sft3/h) SO	SO	SO	(Kg/day) 0.0
Aug 26, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 26, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 26, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 26, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 26, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 26, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 26, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 7:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 27, 8:00 AM Aug 27, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 27, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 5:00 AM	SO SO	SO SO	SO SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	0.0
Aug 28, 6:00 AM Aug 28, 7:00 AM	SO	SO	SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	0.0
Aug 28, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 28, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 3:00 AM	SO SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO SO	SO SO	0.0
Aug 29, 4:00 AM Aug 29, 5:00 AM	SO	SO SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 29, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 29, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO SO	0.0
Aug 30, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	30	0.0



Component	(Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Aug 30, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 8:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Aug 30, 9:00 AM Aug 30, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 11:00 AM Aug 30, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 30, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Aug 31, 3:00 PM	2.5	33.1	6.6	751.9	1140.5	1782.9	31.9	15.3	1627.3	123.2	1566.1	124.2	2.5
Aug 31, 4:00 PM	2.1	40.7	9.9	939.0	832.5	1298.7	32.3	15.3	1536.7	123.7	1534.1	86.4	4.6
Aug 31, 5:00 PM	2.4	44.4	10.7	1228.4	714.7	1116.7	31.7	15.3	1467.6	130.0	1464.7	71.0	7.0
Aug 31, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Aug 31, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Aug 31, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Aug 31, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Aug 31, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Aug 31, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	7.0
Sep 1, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	4.
Sep 1, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	2.4
Sep 1, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 1, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 1, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 1, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 1, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 1, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 1, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Sep 2, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Sep 2, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 2, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Sep 2, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 2, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 2, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
Sep 2, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
								00	00	00			
Sep 2, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0



Component	SO2 Mass Rate ((Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Sep 2, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 2, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 3, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 4, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 4, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 4, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 4, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 4, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 4, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
										SO			
Sep 4, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO		SO	SO	0.0
Sep 4, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 4, 8:00 AM	25.9	61.8	17.8	9889.8	824.6	1313.1	22.9	14.7	1619.0	98.1	1463.9	91.5	25.9
Sep 4, 9:00 AM	16.7	76.7	19.6	13535.4	501.5	784.1	26.2	15.0	1490.7	94.6	1445.8	49.9	42.5
Sep 4, 10:00 AM	18.9	81.2	23.3	14546.6	449.7	711.8	29.0	14.9	1425.4	93.6	1357.1	42.8	61.5
Sep 4, 11:00 AM	37.2	78.9	28.2	12502.2	1673.3	3030.0	44.4	14.9	1475.4	89.3	1473.5	169.5	98.7
Sep 4, 12:00 PM	27.4	79.1	40.4	9763.6	1535.0	2877.4	76.2	15.0	1356.4	84.9	1355.4	146.0	126.0
Sep 4, 1:00 PM	15.5	84.1	30.7	11822.9	408.0	684.5	47.7	15.0	1307.6	90.2	1224.8	35.8	141.5
Sep 4, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 4, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	141.5
Sep 5, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	115.7
Sep 5, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	99.0
Sep 5, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	80.1
Sep 5, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	42.9
Sep 5, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	15.5
Sep 5, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 5:00 PM Sep 5, 6:00 PM												SO	
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO		0.0
Sep 5, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 5, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
								00		00			
Sep 6, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0



	1												22211
Component	SO2 Mass Rate Ca (Kg/hr)	arbonyl Sulfide Ca (PPM/hr)	arbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
				(PPM/hr)			(deg. C)		(BTU/scf)	(Sft3/h)			(Kg/day)
Sep 6, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 8:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 6, 9:00 AM Sep 6, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 3:00 PM	SM	SM	SM	SM	437.4	685.6	21.5	14.7	SM	SM	SM	SM	0.0
Sep 6, 4:00 PM	SM	SM	SM	SM	282.2	444.2	22.5	14.7	SM	SM	SM	SM	0.0
Sep 6, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 6, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 2:00 AM Sep 7, 3:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 7, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO SO	0.0
Sep 7, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO		0.0
Sep 7, 7:00 PM Sep 7, 8:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 7, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 7, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 9:00 AM	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	0.0
Sep 8, 10:00 AM Sep 8, 11:00 AM	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	0.0
Sep 8, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 8, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 1:00 AM Sep 9, 2:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 9, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0



Component	(Kg/hr)	Carbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Sep 9, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 9, 11:00 PM Sep 10, 12:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	0.0
Sep 10, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO SO	0.0
Sep 10, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 10, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 12:00 PM Sep 11, 1:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
		SO		SO	SO	SO	SO	SO		SO		SO	
Sep 11, 2:00 PM Sep 11, 3:00 PM	SO SO	SO	SO SO	SO	SO	SO	SO	SO	SO SO	SO	SO SO	SO	0.0
Sep 11, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 11, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 5:00 PM Sep 12, 6:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 12, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 12, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
F ,		SO	SO	SO	SO	SO	SO	SO	SO	SO	SO		
Sep 13, 7:00 AM	SO											SO	0.0



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Component	SO2 Mass Rate Ca (Kg/hr)	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
				(PPM/hr)			(deg. C)		(BTU/scf)	(Sft3/h)			(Kg/day)
Sep 13, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 11:00 AM	SO	SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	0.0
Sep 13, 12:00 PM Sep 13, 1:00 PM	SO SO	SO SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	SO SO	SO	0.0
Sep 13, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 13, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 5:00 AM Sep 14, 6:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 14, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 11:00 AM	SM	SM	SM	SM	0.0	0.0	30.8	15.5	SM	SM	SM	SM	0.0
Sep 14, 12:00 PM	SM	SM	SM	SM	642.0	1147.3	65.4	15.6	SM	SM	SM	SM	0.0
Sep 14, 1:00 PM	SM	SM	SM	SM	1141.2	2036.8	82.1	15.6	SM	SM	SM	SM	0.0
Sep 14, 2:00 PM	SM	SM	SM	SM	948.0	1689.6	81.6	15.6	SM	SM	SM	SM	0.0
Sep 14, 3:00 PM	SM	SM	SM	SM	725.1	1231.1	63.7	15.5	SM	SM	SM	SM	0.0
Sep 14, 4:00 PM	SM	SM	SM	SM	595.2	987.5	57.2	15.6	SM	SM	SM	SM	0.0
Sep 14, 5:00 PM	SM	SM	SM	SM	530.2	872.8	55.1	15.6	SM	SM	SM	SM	0.0
Sep 14, 6:00 PM	SM	SM	SM	SM	458.4	753.3	51.9	15.5	SM	SM	SM	SM	0.0
Sep 14, 7:00 PM	SM	SM	SM	SM	235.5	391.2	45.0	15.0	SM	SM	SM	SM	0.0
Sep 14, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 14, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 1:00 AM Sep 15, 2:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 15, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 5:00 PM Sep 15, 6:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 15, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 15, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 9:00 AM Sep 16, 10:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	SO SO	SO	SO SO	0.0
Sep 16, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO SO	SO	SO SO	SO	0.0
Sep 16, 11:00 AM Sep 16, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 3:00 PM	SM	SM	SM	SM	838.9	1416.7	61.8	15.6	SM	SM	SM	SM	0.0
Sep 16, 4:00 PM	SM	SM	SM	SM	691.7	1135.3	54.8	15.7	SM	SM	SM	SM	0.0
Sep 16, 5:00 PM	SM	SM	SM	SM	892.0	1499.9	60.6	15.6	SM	SM	SM	SM	0.0
Sep 16, 6:00 PM	SM	SM	SM	SM	938.5	1601.8	66.6	15.6	SM	SM	SM	SM	0.0
Sep 16, 7:00 PM	SM	SM	SM	SM	823.6	1432.0	62.1	15.1	SM	SM	SM	SM	0.0
Sep 16, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0



Component	SO2 Mass Rate C (Kg/hr)	arbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Sep 16, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 16, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 1:00 AM Sep 17, 2:00 AM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO	0.0
Sep 17, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO SO	0.0
Sep 17, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 17, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 18, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 19, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 20, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.
Sep 20, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
		SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 6:00 AM	SO												
Sep 20, 6:00 AM Sep 20, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 6:00 AM								SO SO					



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Component	SO2 Mass Rate C (Kg/hr)	Carbonyl Sulfide C (PPM/hr)	Carbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
0. 00.44.00.414				(PPM/hr)			(deg. C)		(BTU/scf)	(Sft3/h)			(Kg/day)
Sep 20, 11:00 AM Sep 20, 12:00 PM	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	SO SO	0.0
Sep 20, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 20, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.0
Sep 21, 12:00 AM	SM	SM	SM	SM	658.0	1023.4	20.2	14.8	SM	SM	SM	SM	0.0
Sep 21, 1:00 AM	SM	SM	SM	SM	648.0	1006.5	18.9	14.7	SM	SM	SM	SM	0.0
Sep 21, 2:00 AM	SM	SM	SM	SM	150.8	234.6	18.5	14.7	SM	SM	SM	SM	0.0
Sep 21, 3:00 AM	SM	SM	SM	SM	122.7	191.6	18.1	14.6	SM	SM	SM	SM	0.0
Sep 21, 4:00 AM	SM	SM	SM	SM	284.5	443.9	17.5	14.6	SM	SM	SM	SM	0.0
Sep 21, 5:00 AM	SM	SM	SM	SM	34.2	53.2	17.3	14.6	SM	SM	SM	SM	0.0
Sep 21, 6:00 AM	SM	SM	SM	SM	0.0	0.0	17.2	14.6	SM	SM	SM	SM	0.0
Sep 21, 7:00 AM	SM	SM	SM	SM	0.0	0.0	17.2	14.6	SM	SM	SM	SM	0.0
Sep 21, 8:00 AM	SM	SM	SM	SM	133.5	297.5	18.1	14.8	SM	SM	SM	SM	0.0
Sep 21, 9:00 AM	SM	SM	SM	SM	431.4	658.6	22.4	15.3	SM	SM	SM	SM	0.0
Sep 21, 10:00 AM	SM SM	SM SM	SM SM	SM SM	455.6	704.5 239.5	27.9 28.8	15.4	SM	SM SM	SM SM	SM SM	0.0
Sep 21, 11:00 AM Sep 21, 12:00 PM				347.1	137.1	781.5	32.2	15.4	SM				0.0
Sep 21, 12:00 PM	0.6 0.7	19.4 19.1	3.7 4.7	347.1 447.4	507.7 567.1	873.5	36.7	15.8 15.7	583.7 849.5	134.2 135.1	614.6 850.0	23.0 32.9	0.6 1.2
Sep 21, 1:00 PM	0.7	21.8	5.1	447.4	411.6	654.1	37.6	15.7	908.7	135.0	922.8	26.1	1.8
Sep 21, 3:00 PM	0.9	20.7	5.2	487.9	687.4	1076.8	37.0	15.5	1042.4	134.5	1041.7	48.7	2.7
Sep 21, 4:00 PM	0.9	23.1	5.9	630.6	506.2	789.8	34.4	15.4	990.6	134.6	990.1	34.3	3.5
Sep 21, 5:00 PM	0.8	22.1	5.8	793.1	338.9	611.7	31.7	15.3	1024.4	134.9	1003.6	23.7	4.3
Sep 21, 6:00 PM	SM	SM	SM	SM	78.8	301.0	29.5	15.3	SM	SM	SM	SM	4.3
Sep 21, 7:00 PM	0.2	24.9	8.2	587.2	133.6	234.8	24.7	14.9	1187.4	136.2	988.6	10.4	4.5
Sep 21, 8:00 PM	0.1	27.7	9.8	625.8	20.7	7.8	21.8	14.7	1256.2	137.2	929.6	2.1	4.6
Sep 21, 9:00 PM	0.0	34.5	9.0	834.8	0.0	2.9	20.5	14.7	1352.3	137.6	920.0	0.2	4.6
Sep 21, 10:00 PM	0.0	27.2	12.4	794.9	0.0	0.0	19.6	14.7	1428.1	137.8	920.0	0.2	4.6
Sep 21, 11:00 PM	0.0	33.9	8.3	756.9	0.0	6.3	18.9	14.6	1410.0	138.2	920.0	0.2	4.6
Sep 22, 12:00 AM	0.0	37.9	6.4	740.1	0.0	0.0	18.3	14.6	1402.3	138.1	920.0	0.2	4.6
Sep 22, 1:00 AM	0.0	26.2	8.1	731.9	16.8	29.5	17.6	14.5	1298.4	138.4	933.8	1.7	4.6
Sep 22, 2:00 AM	0.0	13.6	2.4	677.1	0.0	46.2	17.1	14.5	1239.0	138.4	920.0	0.2	4.6
Sep 22, 3:00 AM	0.0	10.7	0.1	648.6	0.0	0.0	16.8	14.5	1225.7	138.0	920.0	0.2	4.6
Sep 22, 4:00 AM	0.0	10.8	1.6	672.7	0.8	9.0	16.6	14.5	1202.7	138.0	920.8	0.3	4.6
Sep 22, 5:00 AM	0.0	13.5	1.8	690.9	0.0	9.4	16.2	14.4	1165.8	138.1	920.0	0.2	4.6
Sep 22, 6:00 AM	0.0	7.3	0.1	664.2	0.0	19.2	15.9	14.5	1135.3	138.2	920.0	0.2	4.6
Sep 22, 7:00 AM	0.4	11.6	2.0 4.2	666.2 713.6	209.2	338.3 580.5	15.9	14.5	1108.0	138.4	1019.4	15.5 27.4	5.0
Sep 22, 8:00 AM Sep 22, 9:00 AM	0.7 1.3	16.5 13.7	3.6	713.6	372.8 623.4	965.0	17.1 19.2	14.6 14.8	1096.5 1045.4	128.2 138.3	1094.8 1044.6	43.6	5.7 7.0
Sep 22, 10:00 AM	0.8	16.0	2.9	643.2	473.4	727.8	23.5	15.1	966.9	138.0	966.5	31.1	7.8
Sep 22, 11:00 AM	0.8	21.7	4.3	611.4	478.9	733.3	28.9	15.4	948.4	137.1	948.2	31.0	8.6
Sep 22, 12:00 PM	0.7	23.0	5.2	635.8	412.1	655.1	32.9	15.4	972.7	136.7	970.0	27.4	8.7
Sep 22, 1:00 PM	1.1	20.0	4.6	684.6	596.6	928.5	36.0	15.6	1007.1	136.6	1006.5	40.9	9.1
Sep 22, 2:00 PM	1.1	23.4	4.8	690.6	601.6	940.6	36.7	15.5	791.0	136.2	791.8	32.1	9.7
Sep 22, 3:00 PM	SM	SM	SM	SM	450.7	764.3	35.3	15.3	SM	SM	SM	SM	8.8
Sep 22, 4:00 PM	SM	SM	SM	SM	0.8	187.2	30.7	15.1	SM	SM	SM	SM	8.0
Sep 22, 5:00 PM	0.0	14.0	4.1	317.9	8.1	264.7	27.3	15.2	692.6	136.1	920.1	0.8	7.2
Sep 22, 6:00 PM	0.0	15.5	5.0	578.4	0.0	0.0	25.6	15.2	992.1	136.1	920.0	0.2	7.2
Sep 22, 7:00 PM	0.5	17.7	4.5	608.1	289.6	461.9	24.0	15.0	1012.3	135.6	973.3	20.4	7.5
Sep 22, 8:00 PM	0.0	17.6	4.2	549.8	18.2	35.3	22.9	15.0	1020.9	135.6	924.5	1.5	7.4
Sep 22, 9:00 PM	0.0	16.8	4.0	549.8	0.0	0.0	22.3	14.9	1020.0	135.7	920.0	0.2	7.4
Sep 22, 10:00 PM	0.1	17.8	4.7	488.0	25.4	157.8	21.4	14.8	940.9	135.7	924.9	1.9	7.5
Sep 22, 11:00 PM	0.0	20.5	5.4	386.9	0.0	12.7	20.7	14.9	841.0	136.0	920.0	0.2	7.5
Sep 23, 12:00 AM	0.0	7.5	3.6	359.6	10.4	109.4	20.3	14.8	841.7	136.2	917.2	0.8	7.5
Sep 23, 1:00 AM	0.0	0.7	1.6	384.5	3.2	16.8	20.0	14.8	876.6	136.3	919.7	0.4	7.5
Sep 23, 2:00 AM	0.4	3.1	0.7	404.0	373.5	580.3	19.7	14.8	918.8	136.2	931.5	24.0	7.9
Sep 23, 3:00 AM	0.3	9.0	2.2	190.4	437.5	737.5	19.4	14.7	668.8	137.0	802.1	20.3	8.1
Sep 23, 4:00 AM	0.3	9.8	2.8	133.7	882.1	1379.8	18.9	14.7	523.7	137.2	566.0	30.1	8.4
Sep 23, 5:00 AM	0.2	8.4	2.7 3.4	109.9 129.1	752.3	1252.2 476.6	18.6	14.6	421.8	137.4	509.4	21.1	8.7 8.7
Sep 23, 6:00 AM Sep 23, 7:00 AM	0.1	11.9 11.2	3.4	129.1	216.8 152.4	476.6	18.4 18.4	14.6 14.6	398.1 473.5	137.5 137.4	560.4 709.1	5.6 5.2	8.7
Sep 23, 7:00 AM Sep 23, 8:00 AM	0.1	11.2	2.8	193.0	373.2	580.7	18.4	14.6	473.5 321.0	137.4	709.1 521.1	5.2 8.5	8.0
Sep 23, 9:00 AM	0.0	9.0	1.7	202.8	35.8	284.0	19.4	14.7	569.4	137.4	897.5	1.3	6.7
Sep 23, 10:00 AM	0.0	12.4	2.3	218.5	225.2	409.1	19.4	14.7	613.6	137.1	717.6	9.5	6.1
Sep 23, 11:00 AM	0.1	11.3	2.8	249.3	289.6	530.7	23.2	15.1	632.4	136.1	712.9	12.6	5.5
Sep 23, 12:00 PM	0.2	13.4	4.1	277.5	315.9	547.1	27.7	15.1	644.6	135.5	683.2	14.0	5.0
Sep 23, 1:00 PM	0.2	8.7	2.5	298.7	291.6	510.4	29.1	15.1	651.2	135.2	695.8	13.1	4.1
Sep 23, 2:00 PM	0.1	14.8	2.9	311.9	74.3	282.0	27.1	15.0	659.0	135.3	858.4	3.6	3.1
Sep 23, 3:00 PM	0.1	10.4	2.7	298.8	78.7	230.2	25.1	15.0	668.6	135.6	866.2	3.8	3.2
Sep 23, 4:00 PM	0.1	9.3	4.5	266.1	99.6	190.4	24.4	14.9	683.3	135.9	854.6	4.8	3.2
Sep 23, 5:00 PM	0.0	9.7	5.1	301.8	0.0	7.0	23.1	14.9	851.8	136.4	920.0	0.2	3.2
Sep 23, 6:00 PM	0.0	12.0	6.2	304.9	0.0	0.0	22.3	14.8	1015.8	137.2	920.0	0.2	3.2
Sep 23, 7:00 PM	0.0	12.0	2.7	257.7	26.8	78.7	21.1	14.7	1226.9	137.8	946.0	2.4	2.8
Sep 23, 8:00 PM	0.0	22.3	6.1	230.7	0.0	35.1	19.7	14.7	1216.5	138.1	920.0	0.2	2.7
Sep 23, 9:00 PM	0.1	12.1	3.2	203.1	81.3	247.4	18.8	14.7	1183.8	138.0	986.3	6.7	2.8
Sep 23, 10:00 PM	0.0	8.4	4.1	231.1	0.0	9.0	18.7	14.7	1141.4	138.3	920.0	0.2	2.7
Sep 23, 11:00 PM	0.0	20.0	3.7	228.0	0.0	7.7	18.3	14.6	1126.9	137.8	920.0	0.2	2.7



0	L COO Mara Bata C		0h Diifid-	Lhadasasa	NEL	FI V-Iit.	Fl	El D	Nat Haatiaa	C	NI - mth NII IV/	NI==45 NII IV/=13	CO2 M
Component	SO2 Mass Rate C (Kg/hr)	arbonyl Sulfide ((PPM/hr)	Carbon Disulfide (PPM/hr)	Hydrogen Sulfide	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Support Gas (NG) SFlow	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate
Sep 24, 12:00 AM	0.0	14.3		(PPM/hr) 209.4	22.0	98.4	(deg. C) 18.0	14.6	(BTU/scf) 1058.7	(Sft3/h) 136.9	930.0	1.8	(Kg/day) 2.7
Sep 24, 1:00 AM	0.0	13.1	3.5 0.6	217.3	27.4	80.2	18.0	14.6	1034.9	136.4	929.6	2.1	2.7
Sep 24, 2:00 AM	0.0	11.8	1.8	184.4	57.0	145.5	17.9	14.7	1033.2	136.1	938.0	4.1	2.4
Sep 24, 3:00 AM	0.0	10.0	2.1	182.8	29.3	110.6	17.9	14.6	1012.8	136.6	928.6	2.2	2.1
Sep 24, 4:00 AM	0.0	17.4	2.3	192.8	0.8	9.2	18.0	14.7	1005.6	136.1	920.2	0.3	1.8
Sep 24, 5:00 AM	0.0	15.0	2.8	195.3	42.5	193.9	18.1	14.7	997.1	135.7	930.1	3.1	1.6
Sep 24, 6:00 AM Sep 24, 7:00 AM	0.1	9.5 10.5	2.8 2.7	211.4 261.3	165.0 493.2	460.4 800.8	18.1 18.3	14.7 14.7	971.9 975.6	135.9 135.2	945.3 971.5	11.0 32.4	1.6 1.9
Sep 24, 7:00 AM	0.4	10.3	2.9	126.4	1216.1	1905.5	19.1	14.7	497.0	134.5	534.4	44.2	2.1
Sep 24, 9:00 AM	0.0	15.1	1.1	115.6	19.7	163.9	19.8	14.7	547.4	134.5	909.9	1.3	2.1
Sep 24, 10:00 AM	0.0	13.5	5.3	152.5	83.2	267.6	20.0	14.7	724.4	134.7	873.8	4.4	2.0
Sep 24, 11:00 AM	0.0	14.5	5.3	156.3	0.0	7.7	19.2	14.7	721.7	135.9	920.0	0.2	1.8
Sep 24, 12:00 PM	0.0	6.8	1.9	156.1	0.0	134.1	19.9	14.7	731.4	136.3	920.0	0.2	1.5
Sep 24, 1:00 PM Sep 24, 2:00 PM	0.0 0.1	7.5 13.0	4.0 3.4	184.1 180.9	16.5 197.1	85.7 343.0	20.7 21.0	14.8 14.8	760.6 1099.2	136.6 136.9	922.8 1027.4	1.3 15.2	1.3 1.4
Sep 24, 2:00 PM	0.1	18.7	3.6	241.6	521.6	812.2	22.9	14.0	1056.7	136.9	1027.4	37.0	1.4
Sep 24, 4:00 PM	0.3	19.3	4.0	257.4	391.1	643.1	23.0	14.8	965.0	137.0	961.3	25.6	1.9
Sep 24, 5:00 PM	0.0	10.4	2.9	222.7	76.1	159.1	21.5	14.7	967.6	137.3	937.8	5.4	1.9
Sep 24, 6:00 PM	0.0	13.8	1.2	197.7	0.0	31.5	19.0	14.6	1030.2	137.2	920.0	0.2	1.9
Sep 24, 7:00 PM	0.0	17.3	2.3	209.9	25.6	153.1	18.1	14.6	959.5	136.6	926.9	2.0	1.9
Sep 24, 8:00 PM	0.0	14.1	0.6	206.6	7.3	95.6	18.1	14.6	945.7	136.4	923.9	0.8	1.9
Sep 24, 9:00 PM Sep 24, 10:00 PM	0.2 0.1	14.4 10.1	4.2 2.5	220.9 203.8	308.0 150.6	519.9 319.9	18.4 18.5	14.7 14.6	1026.2 984.5	136.3 135.9	1011.5 946.7	21.3 10.2	2.1 2.2
Sep 24, 11:00 PM	0.1	13.7	3.4	192.9	141.3	452.4	18.1	14.6	980.9	136.4	947.1	9.6	2.2
Sep 25, 12:00 AM	0.2	10.7	2.2	220.6	286.0	508.9	18.2	14.7	929.7	136.7	928.3	18.1	2.4
Sep 25, 1:00 AM	0.1	11.6	3.1	214.6	101.8	371.3	18.9	14.7	855.7	136.9	904.0	6.2	2.4
Sep 25, 2:00 AM	0.0	12.4	9.0	213.9	0.0	0.0	19.5	14.8	805.3	137.5	920.0	0.2	2.4
Sep 25, 3:00 AM	0.1	12.4	4.8	186.7	144.1	333.8	19.7	14.8	859.4	137.6	890.9	8.5	2.5
Sep 25, 4:00 AM Sep 25, 5:00 AM	0.0	8.3 14.2	1.5 4.9	183.2 183.4	43.5 79.6	138.9 306.9	19.8 19.9	14.8 14.8	822.5 795.6	137.5 137.4	906.5 894.9	2.6 4.6	2.5 2.5
Sep 25, 6:00 AM	0.0	12.2	3.8	170.4	22.0	271.4	20.2	14.8	790.8	137.4	911.3	1.4	2.4
Sep 25, 7:00 AM	0.0	15.2	5.5	184.4	7.3	246.5	20.3	14.8	769.7	136.9	914.4	0.6	2.1
Sep 25, 8:00 AM	0.1	12.5	3.4	199.0	230.8	390.5	20.5	14.8	731.1	136.6	793.8	11.7	1.8
Sep 25, 9:00 AM	0.1	12.8	3.6	188.1	174.7	385.5	21.3	14.8	691.4	136.4	801.2	8.4	1.8
Sep 25, 10:00 AM	0.1	12.0	3.6	187.5	131.1	445.4	21.8	14.8	666.5	136.7	818.7	6.1	1.9
Sep 25, 11:00 AM	0.0	9.7 14.8	3.9 5.1	184.7 179.3	49.1 43.3	218.3 141.8	22.1 22.0	14.8 14.8	636.9	136.8 136.9	875.9 878.6	2.4 2.1	1.9
Sep 25, 12:00 PM Sep 25, 1:00 PM	0.0	14.7	5.7	176.6	0.0	0.0	22.0	14.0	625.7 623.7	137.0	920.0	0.2	1.9 1.9
Sep 25, 2:00 PM	0.0	9.7	5.2	272.4	24.8	138.7	23.9	15.0	741.9	136.8	911.1	1.5	1.8
Sep 25, 3:00 PM	0.2	9.5	3.3	194.0	427.6	674.6	26.6	15.0	1174.8	136.4	1170.6	34.1	1.7
Sep 25, 4:00 PM	0.4	12.1	4.0	225.5	639.9	1042.3	24.5	14.9	1053.7	136.4	1030.9	41.8	1.8
Sep 25, 5:00 PM	0.1	14.5	4.5	168.2	130.6	205.4	24.1	14.9	702.6	136.3	883.8	6.3	1.8
Sep 25, 6:00 PM	0.0	13.0	3.8	159.9	5.7	36.6	23.0	14.9	775.9	136.1	919.5	0.6	1.8
Sep 25, 7:00 PM Sep 25, 8:00 PM	0.0	8.6 12.0	1.9 4.2	136.6 154.5	4.3 2.4	47.0 59.3	22.1 20.8	14.9 14.8	904.5 962.0	136.2 136.3	919.7 920.0	0.5 0.4	1.8 1.8
Sep 25, 9:00 PM	0.1	14.5	2.3	156.0	23.5	103.7	20.2	14.8	909.0	136.4	919.0	1.7	1.7
Sep 25, 10:00 PM	0.0	11.3	2.7	157.2	10.3	107.4	19.7	14.8	870.9	136.6	917.7	0.8	1.6
Sep 25, 11:00 PM	0.0	13.1	4.2	165.8	0.0	73.2	19.3	14.7	811.0	136.7	920.0	0.2	1.5
Sep 26, 12:00 AM	0.0	14.6	1.8	157.1	0.0	59.8	19.1	14.7	787.6	136.9	920.0	0.2	1.3
Sep 26, 1:00 AM Sep 26, 2:00 AM	0.0	16.5 13.2	5.5 6.4	158.0 156.6	0.0	4.7 14.5	18.6 18.0	14.7 14.7	769.0 729.7	136.9 137.0	920.0 920.0	0.2	1.3 1.3
Sep 26, 3:00 AM	0.0	17.1	7.0	157.0	0.0	13.4	17.8	14.7	712.6	137.0	919.4	0.2	1.2
Sep 26, 4:00 AM	0.0	9.4	3.6	142.3	4.8	34.0	17.8	14.7	720.4	137.1	916.6	0.5	1.2
Sep 26, 5:00 AM	0.0	11.3	2.5	132.4	4.2	17.4	17.8	14.6	726.0	137.0	917.4	0.4	1.1
Sep 26, 6:00 AM	0.0	13.2	4.9	139.7	3.5	68.3	17.9	14.7	724.2	136.8	917.9	0.4	1.1
Sep 26, 7:00 AM	0.0	15.0	4.6	140.4	0.0	31.9	17.9	14.6	718.1	136.8	920.0	0.2	1.1
Sep 26, 8:00 AM Sep 26, 9:00 AM	0.0	11.6 17.9	4.1 0.7	124.0 120.7	4.2 9.8	25.0 104.8	17.9 18.5	14.6 14.6	722.1 718.9	136.8 136.5	917.2 912.9	0.4	1.0 0.9
Sep 26, 10:00 AM	0.0	11.7	3.5	141.3	379.8	588.7	21.5	14.0	710.9	135.9	705.0	18.1	1.0
Sep 26, 11:00 AM	0.2	11.1	3.4	152.2	411.7	641.0	25.0	15.0	690.7	135.5	692.8	19.3	1.1
Sep 26, 12:00 PM	0.2	9.5	3.6	163.5	410.3	632.4	28.8	15.3	679.4	135.3	681.7	19.0	1.3
Sep 26, 1:00 PM	0.3	11.7	4.9	185.2	519.6	795.0	34.0	15.7	677.8	134.9	679.6	23.9	1.6
Sep 26, 2:00 PM	0.3	13.5	4.7	186.8	530.8	824.3	36.0	15.6	702.8	134.3	704.4	25.3	1.8
Sep 26, 3:00 PM Sep 26, 4:00 PM	0.3	12.0 13.4	4.4 6.0	196.9 188.3	490.5 386.6	777.3 630.4	33.5 29.8	15.2 15.0	728.7 887.4	133.6 133.4	730.2 851.7	24.2 20.9	1.9 1.8
Sep 26, 5:00 PM	0.0	5.7	2.4	165.9	0.0	0.9	26.7	15.0	882.2	133.4	920.0	0.2	1.8
Sep 26, 6:00 PM	0.0	12.9	7.5	161.8	0.0	2.0	24.7	14.9	912.2	132.6	920.0	0.2	1.8
Sep 26, 7:00 PM	0.0	14.8	9.9	147.7	0.0	0.0	22.4	14.8	987.7	133.0	920.0	0.2	1.8
Sep 26, 8:00 PM	0.0	12.5	3.8	156.5	0.0	158.4	20.2	14.7	962.9	133.3	920.0	0.2	1.8
Sep 26, 9:00 PM	0.0	10.8	1.7	160.1	0.0	0.0	19.0	14.7	955.5	133.6	920.0	0.2	1.7
Sep 26, 10:00 PM Sep 26, 11:00 PM	0.0	10.8 8.0	1.7 1.7	160.1 157.7	0.0 7.2	-8.4 21.0	18.0 17.3	14.6 14.6	955.5 832.7	134.5 135.5	920.0 918.0	0.2	1.7 1.7
Sep 26, 11:00 PM Sep 27, 12:00 AM	0.0	7.1	1.7	157.7	0.0	0.0	16.7	14.6	809.0	135.5	918.0	41.5	1.7
Sep 27, 1:00 AM	0.0	7.2	1.7	156.6	0.0	3.0	16.1	14.4	809.9	134.8	920.0	47.5	1.7
Sep 27, 2:00 AM	0.0	6.4	1.3	138.3	0.0	0.0	15.4	14.4	825.3	135.1	920.0	68.3	1.7
Sep 27, 3:00 AM	0.0	6.4	1.3	138.3	0.0	0.0	14.9	14.4	825.3	135.9	920.0	60.3	1.7
Sep 27, 4:00 AM	0.0	8.1	2.6	140.3	0.0	5.0	14.5	14.3	800.9	136.1	920.0	110.7	1.7
Sep 27, 5:00 AM	0.0	9.2 9.2	3.8 3.8	141.5 141.5	0.0	0.0	14.3 14.4	14.3 14.4	780.0 780.0	136.3 136.6	920.0 920.0	47.0 9.6	1.7 1.7
Sep 27, 6:00 AM Sep 27, 7:00 AM	SM	9.2 SM	3.8 SM	141.5 SM	207.2	334.3	14.4	14.4	780.0 SM	136.6 SM	920.0 SM	9.6 SM	
Sep 27, 8:00 AM	0.1	15.5	5.2	120.4	202.1	376.1	14.7	14.6	350.2	135.4	745.2	45.2	
Sep 27, 9:00 AM	0.1	14.5	4.0	136.5	261.5	501.6	18.0	14.8	681.2	134.9	760.7	39.7	1.9
Sep 27, 10:00 AM	0.2	20.4	7.1	127.3	385.0	596.0	21.5	14.9	633.8	134.4	636.6	13.2	1.9
Sep 27, 11:00 AM	0.2	17.8	6.8	135.7	419.7	653.9	26.3	15.0	623.4	134.2	626.1	58.6	1.9
Sep 27, 12:00 PM	0.2	24.7	11.3	174.2	353.5	580.9	30.0	15.2	433.3	133.3	529.1	62.8	1.9



Component	SO2 Mass Rate Car (Kg/hr)	(PPM/hr)	rbon Disulfide (PPM/hr)	Hydrogen Sulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Support Gas (NG) SFlow (Sft3/h)	North NHVcz (BTU/scf)	North NHVdil (BTU/ft2)	SO2 Mass Rate (Kg/day)
Sep 27, 1:00 PM	0.2	22.5	9.5	201.4	266.2	462.5	30.5	15.2	553.6	133.6	675.6	64.3	1.8
Sep 27, 2:00 PM	0.3	20.7	8.3	238.1	437.6	742.0	30.8	15.2	646.8	133.6	695.0	16.6	1.8
Sep 27, 3:00 PM Sep 27, 4:00 PM	0.1 0.0	29.7 23.6	9.4 3.9	247.9 239.7	119.4 0.0	224.9 163.1	28.8 26.1	15.0 15.0	719.3 738.7	130.8 131.8	852.9 920.0	32.2 43.8	1.6 1.3
Sep 27, 4:00 PM	0.0	27.2	5.5	245.6	0.0	95.8	24.1	14.9	767.0	134.5	920.0	66.4	1.3
Sep 27, 6:00 PM	0.0	24.8	5.9	238.0	0.0	338.0	22.4	14.8	796.4	134.7	920.0	32.0	1.3
Sep 27, 7:00 PM	0.0	20.2	5.8	222.1	0.0	344.9	20.7	14.7	881.5	135.0	920.0	45.5	1.3
Sep 27, 8:00 PM	0.0	25.0	6.1	220.7	0.0	329.2	19.7	14.7	898.7	135.4	920.0	62.9	1.3
Sep 27, 9:00 PM	0.0	25.0	6.1	220.7	0.0	329.2	19.1	14.7	898.7	135.5	920.0	29.3	1.3
Sep 27, 10:00 PM	0.2	21.9	6.3	216.2	249.6	528.9	18.6	14.7	829.7	135.4	840.6	22.9	1.4
Sep 27, 11:00 PM	0.3	15.4	4.4	148.3	649.7	1013.4	18.4	14.6	851.2	134.4	851.7	38.1	1.7
Sep 28, 12:00 AM	0.3	12.1	4.3	80.1	1123.7	1811.7	17.7	14.6	970.9	132.4	962.8	34.4	2.0
Sep 28, 1:00 AM	0.1	11.3	4.3	94.5	218.0	543.9	17.6	14.6	1047.2	135.1	965.9	48.3	2.1
Sep 28, 2:00 AM	0.0	8.0	4.2	100.0	0.0	331.4	17.9	14.6	1054.8	135.3	920.0	51.1	2.1
Sep 28, 3:00 AM	0.0	22.2	4.6	129.3	0.0	333.3	18.0	14.6	1125.2	135.6	920.0	47.6	2.1
Sep 28, 4:00 AM	0.0	22.2	4.3	119.9	124.2	419.4	17.7	14.5	1218.7	135.5	1056.9	48.9	2.1
Sep 28, 5:00 AM	0.0	16.6	2.0	121.6	130.4	432.0	16.5	14.6	1353.6	135.3	1076.8	46.8	2.2
Sep 28, 6:00 AM	0.2	17.2	3.7	128.9	405.5	630.8	17.0	14.6	1336.4	135.2	1332.5	49.8	2.3
Sep 28, 7:00 AM	0.1	14.9	2.8	132.8	365.9	577.8	17.5	14.6	1291.1	135.7	1279.8	58.9	2.5
Sep 28, 8:00 AM	0.3	15.5	4.0	129.5	739.8	1167.5	18.1	14.6	1179.0	135.7	1169.4	55.0	2.7
Sep 28, 9:00 AM	0.1	20.6	5.7	185.0	204.1	501.8	18.6	14.7	1130.4	135.4	1018.2	60.9	2.7
Sep 28, 10:00 AM	0.0	24.0	0.2	204.8	1.7	94.5	19.9	14.8	1139.9	134.8	921.2	58.1	2.5
Sep 28, 11:00 AM	0.1	19.6	4.5	239.5	86.5	225.2	20.7	14.8	1134.0	134.5	978.2	40.8	2.4
Sep 28, 12:00 PM	0.2	19.0	5.3	248.0	290.2	489.5	23.0	14.9	1129.7	134.5	1079.4	72.9	2.4
Sep 28, 1:00 PM	0.2	19.4	5.7	252.0	244.2	419.4	22.7	14.8	1110.7	134.7	1050.7	30.7	2.4
Sep 28, 2:00 PM	0.0	20.0	4.6	229.9	45.8	139.4	21.1	14.8	1101.9	134.5	948.7	32.9	2.1
Sep 28, 3:00 PM	0.3	20.3	6.5	216.4	405.8	649.5	22.0	14.9	1103.0	127.7	1058.5	27.3	2.3
Sep 28, 4:00 PM	0.2	22.3	6.2	210.7	342.2	556.3	22.3	14.8	1085.5	83.6	1039.4	42.7	2.5
Sep 28, 5:00 PM	0.3	14.0	5.1	140.3	571.7	902.3	21.5	14.8	649.5	85.7	769.5	35.5	2.8
Sep 28, 6:00 PM	0.0	13.4	5.4	133.0	0.8	19.6	20.6	14.7	569.7	86.2	919.3	26.0	2.8
Sep 28, 7:00 PM	0.0	16.9	5.0	142.9	66.0	248.0	19.6	14.6	869.1	86.2	906.2	88.3	2.8
Sep 28, 8:00 PM	0.1	15.4	5.4	133.2	225.1	435.9	18.9	14.6	855.4	86.3	898.3	38.5	2.9
Sep 28, 9:00 PM	0.2	15.5	5.0	115.7	588.9	920.7	18.7	14.6	688.4	86.5	689.5	37.7	3.1
Sep 28, 10:00 PM	0.1	12.7	3.9	114.8	183.1	336.4	18.8	14.6	615.9	86.6	757.9	18.9	3.0
Sep 28, 11:00 PM	0.1	14.4	4.6	107.6	333.0	559.9	18.9	14.6	676.0	86.3	722.9	16.2	2.8
Sep 29, 12:00 AM	0.2	13.1	4.3	100.3	601.6	941.7	19.0	14.6	628.5	86.1	631.0	16.5	2.7
Sep 29, 1:00 AM	0.0	13.3	3.3	101.5	171.2	354.3	18.9	14.6	473.6	86.4	727.4	26.4	2.7
Sep 29, 2:00 AM	0.0	14.9	4.6	111.2	22.2	139.8	18.7	14.6	635.5	86.4	903.0	27.5	2.7
Sep 29, 3:00 AM	0.1	19.1	4.7	108.2	177.4	389.3	18.2	14.5	746.1	86.6	833.2	36.5	2.8
Sep 29, 4:00 AM	0.1	21.1	6.7	116.6	150.5	291.1	17.7	14.5	803.3	86.6	888.1	26.5	2.8
Sep 29, 5:00 AM	0.1	17.0	5.5	108.6	299.6	483.2	17.6	14.5	845.8	86.6	855.7	53.7	2.9
Sep 29, 6:00 AM	0.1	16.2	4.6	118.2	302.1	519.9	17.7	14.6	848.6	86.7	861.4	51.6	2.8
Sep 29, 7:00 AM	0.1	15.6	4.9	119.4	263.7	451.8	17.8	14.6	874.1	86.9	885.5	45.3	2.8
Sep 29, 8:00 AM	0.1	19.9	6.3	120.0	250.0	455.7	18.1	14.6	901.6	87.0	905.8	59.8	2.6
Sep 29, 9:00 AM	0.1	17.0	4.7	129.4	241.6	420.0	18.5	14.6	905.3	86.9	908.8	61.1	2.6
Sep 29, 10:00 AM	0.1	17.7	5.7	128.9	264.3	470.7	19.2	14.6	915.7	87.0	915.2	54.4	2.7
Sep 29, 11:00 AM	0.1	17.1	5.8	130.7	359.6	590.6	20.0	14.7	920.6	86.7	920.2	78.8	2.8
Sep 29, 12:00 PM	0.1	20.5	6.7	139.4	336.5	533.6	22.1	14.8	923.6	86.3	922.6	73.3	2.7
Sep 29, 1:00 PM	0.2	19.8	6.8	163.3	384.3	615.3	25.7	15.0	911.8	85.7	912.2	39.6	2.7
Sep 29, 2:00 PM	0.2	20.0	7.4	171.8 173.7	319.2	570.6 337.4	26.7	14.9 14.9	921.9 966.8	85.5	920.6	23.0	2.9
Sep 29, 3:00 PM Sep 29, 4:00 PM	0.1 0.3	18.6 20.0	5.8 6.6	228.3	188.3 471.5	738.0	25.2 25.7	14.9	970.4	85.7 85.8	948.6 970.2	32.8 32.9	2.7
	0.0	21.7	9.5	254.3	60.2	185.4	24.5	14.9	986.1	86.1	932.8	15.5	2.8
Sep 29, 5:00 PM													2.6
Sep 29, 6:00 PM Sep 29, 7:00 PM	0.1 0.0	20.8 19.7	5.6 6.5	233.1 217.1	85.0 15.1	211.7 153.0	23.0 21.3	14.8 14.7	975.9 950.7	86.2 86.5	933.3 921.5	20.7 14.4	2.6 2.6
Sep 29, 7:00 PM Sep 29, 8:00 PM	0.0	19.7	7.1	193.3	187.8	370.5	19.8	14.7	913.8	86.7	921.5	14.4	2.6
Sep 29, 9:00 PM	0.0	20.5	5.4	177.9	92.6	275.7	18.7	14.6	873.3	86.8	905.3	13.4	2.5
Sep 29, 10:00 PM	0.0	21.6	5.4	161.1	37.3	159.6	18.0	14.5	856.2	86.8	912.8	13.4	2.5
Sep 29, 10:00 PM	0.0	16.5	6.1	124.9	711.8	1168.2	17.2	14.5	787.7	86.7	813.1	14.2	2.4
Sep 30, 12:00 AM	0.1	15.5	6.0	116.6	197.7	384.7	16.7	14.5	755.8	86.8	848.2	13.5	2.5
Sep 30, 1:00 AM	0.1	15.6	4.5	119.0	173.2	342.7	16.2	14.5	782.1	87.0	851.5	13.7	2.5
Sep 30, 1:00 AM	0.0	21.5	4.8	124.0	0.0	46.6	16.0	14.5	788.9	87.1	920.0	13.7	2.5
Sep 30, 2:00 AM	0.0	17.5	3.5	122.6	0.0	10.2	15.9	14.5	809.7	87.1	920.0	13.7	2.4
Sep 30, 3:00 AM	0.0	17.0	4.2	119.2	1.6	12.3	15.7	14.4	839.4	87.1	919.5	13.0	2.4
Sep 30, 5:00 AM	0.0	16.8	3.2	126.3	12.1	163.8	15.6	14.4	860.7	87.0	917.9	12.3	2.3
Sep 30, 6:00 AM	0.0	17.0	5.2	136.4	56.2	174.8	15.3	14.4	848.3	87.0	908.7	11.7	2.2
Sep 30, 7:00 AM	0.0	15.2	3.9	161.4	129.2	320.1	14.9	14.4	807.7	86.8	881.6	11.4	2.1
Sep 30, 8:00 AM	0.0	18.2	3.5	151.7	68.4	253.6	15.7	14.6	482.5	86.5	920.0	10.8	2.0
Sep 30, 9:00 AM	0.2	18.9	5.5	172.8	415.5	653.3	18.7	14.8	746.6	86.0	786.5	11.0	2.2
Sep 30, 10:00 AM	0.2	15.7	5.1	202.6	374.9	598.4	22.8	14.9	754.8	86.0	787.5	11.1	2.3
Sep 30, 11:00 AM	0.2	18.0	7.1	235.3	305.4	502.0	24.5	14.9	740.5	85.9	772.3	10.8	2.3
Sep 30, 12:00 PM	0.4	18.0	5.9	256.3	477.7	755.0	28.9	15.1	743.9	85.4	757.1	11.0	2.5
Sep 30, 1:00 PM	0.3	18.5	7.2	253.0	463.3	753.4	32.7	15.2	768.5	85.2	786.9	11.0	2.7
Sep 30, 2:00 PM	0.2	19.1	6.2	231.6	347.4	558.9	32.8	15.3	884.4	85.2	893.6	11.0	2.8
Sep 30, 3:00 PM	0.3	20.7	7.5	211.8	544.9	866.2	31.9	15.2	941.5	85.1	940.9	11.9	3.0
Sep 30, 4:00 PM	0.3	22.8	7.6	206.5	487.2	775.9	31.7	15.3	928.6	85.0	926.8	11.9	3.0
Sep 30, 5:00 PM	0.1	23.3	6.9	214.4	179.8	347.3	28.0	15.0	882.1	84.9	899.9	12.2	3.1
Sep 30, 6:00 PM	0.0	19.2	5.5	204.1	31.1	103.3	24.9	14.9	856.2	85.0	914.0	12.0	3.0
Sep 30, 7:00 PM	0.1	21.3	6.3	179.9	145.9	279.0	21.8	14.6	820.9	85.3	868.5	12.3	3.1
Sep 30, 8:00 PM	0.0	20.5	5.4	160.6	37.6	275.0	19.5	14.6	783.0	85.7	904.2	11.9	3.0
Sep 30, 9:00 PM	0.0	16.8	3.3	148.0	0.0	0.0	18.2	14.5	779.6	85.8	920.0	11.7	3.0
Sep 30, 10:00 PM Sep 30, 11:00 PM	0.0 0.1	18.1 17.8	4.2 4.8	146.7 156.3	37.6 114.9	93.3 233.4	17.3 16.6	14.5 14.5	761.1 688.1	86.0 86.3	899.0 849.2	11.7 10.3	3.0 2.7

O. Reg. 88/22 Section 34 Quarterly Report – Imperial Oil Nanticoke Refinery

CEMS Multi-Component Data Report (1-hour average)

Source: North Flare



Report Period: From 2024-07-01 12:00:00 AM to 2024-10-01 12:00:00 AM

ı	Component	SO2 Mass Rate (Carbonyl Sulfide	Carbon Disulfide	Hydrogen	NFlow	Flare Velocity	Flare	Flare Pressure	Net Heating	Support Gas	North NHVcz	North NHVdil	SO2 Mass
		(Kg/hr)	(PPM/hr)	(PPM/hr)	Sulfide	(Nm3/hr)	(m/hr)	Temperature	(PSIA)	Value	(NG) SFlow	(BTU/scf)	(BTU/ft2)	Rate
					(PPM/hr)			(deg. C)		(BTU/scf)	(Sft3/h)			(Kg/day)

Legend

Symbol	Name							
SO	Stream Offline							
SM	Stream Maintenance							



Jul 1, 12:00 AM Jul 1, 1:00 AM Jul 1, 2:00 AM Jul 1, 3:00 AM Jul 1, 4:00 AM Jul 1, 5:00 AM Jul 1, 6:00 AM Jul 1, 7:00 AM	3.56 2.91 2.49 2.94	1870.18 1567.30	22.19	0.41	732.57	1115.32	12.78	14.70	1382.3			
Jul 1, 2:00 AM Jul 1, 3:00 AM Jul 1, 4:00 AM Jul 1, 5:00 AM Jul 1, 6:00 AM Jul 1, 7:00 AM	2.49	1567.30			132.31	1110.02	12.70	14.70	1302.3	0.40	1382.3	
Jul 1, 3:00 AM Jul 1, 4:00 AM Jul 1, 5:00 AM Jul 1, 6:00 AM Jul 1, 7:00 AM			22.78	0.55	713.25	1085.00	12.55	14.70	1384.5	0.39	1384.5	
Jul 1, 4:00 AM Jul 1, 5:00 AM Jul 1, 6:00 AM Jul 1, 7:00 AM	2 94	1361.67	21.65	0.20	701.34	1064.21	11.85	14.70	1385.7	0.38	1385.7	
Jul 1, 5:00 AM Jul 1, 6:00 AM Jul 1, 7:00 AM	2.54	1414.84	21.51	0.12	795.84	1204.20	11.07	14.70	1420.5	0.43	1420.5	
Jul 1, 6:00 AM Jul 1, 7:00 AM	2.61	1431.55	20.79	0.34	695.40	1050.49	10.70	14.71	1431.2	0.37	1431.2	
Jul 1, 6:00 AM Jul 1, 7:00 AM	3.27	1915.17	21.34	0.56	656.69	991.09	10.31	14.70	1392.2	0.35	1392.2	
Jul 1, 7:00 AM	2.83	1606.24	20.57	0.50	677.55	1022.48	10.24	14.70	1382.5	0.36	1382.5	
	3.37	1483.19	20.98	0.35	834.30	1262.97	11.10	14.70	806.8	0.45	806.8	
	4.10	1743.55	23.29	0.62	897.45	1371.78	13.82		1385.7	0.49	1385.7	
Jul 1, 8:00 AM								14.70				
Jul 1, 9:00 AM	4.45	1732.34	24.91	1.12	980.74	1524.12	18.73	14.70	1392.1	0.54	1392.1	
Jul 1, 10:00 AM	4.51	1741.49	27.58	1.85	990.78	1567.16	24.01	14.71	1406.7	0.56	1406.7	
Jul 1, 11:00 AM	5.55	2265.10	28.57	3.77	946.11	1516.11	28.06	14.71	1416.8	0.54	1416.8	
Jul 1, 12:00 PM	4.33	1933.42	28.99	3.08	856.23	1394.09	32.92	14.71	1418.3	0.50	1418.3	
Jul 1, 1:00 PM	3.84	1713.55	29.15	2.85	854.89	1412.38	37.39	14.72	1413.0	0.50	1413.0	
Jul 1, 2:00 PM	3.58	1619.83	29.70	3.37	842.69	1399.31	39.08	14.72	1441.9	0.50	1441.9	
Jul 1, 3:00 PM	3.94	1650.68	30.68	3.54	909.61	1501.35	37.26	14.72	1412.0	0.54	1412.0	
Jul 1, 4:00 PM	5.07	2007.04	30.83	3.97	965.57	1553.90	29.49	14.72	1402.1	0.55	1402.1	
Jul 1, 5:00 PM	4.21	1676.73	29.82	4.77	959.82	1525.95	25.77	14.72	1404.2	0.54	1404.2	
Jul 1, 6:00 PM	3.72	1560.34	28.98	3.99	906.13	1434.30	24.52	14.72	1412.6	0.51	1412.6	
									1406.9			
Jul 1, 7:00 PM	3.59	1465.75	28.96	3.43	931.00	1466.61	23.14	14.72		0.52	1406.9	
Jul 1, 8:00 PM	3.31	1306.77	26.07	2.50	954.45	1495.62	21.36	14.72	1379.1	0.53	1379.1	
Jul 1, 9:00 PM	2.08	1104.15	24.83	1.71	711.83	1107.58	19.33	14.72	1397.3	0.40	1397.3	
Jul 1, 10:00 PM	2.10	1223.44	24.63	2.01	656.06	1017.12	18.36	14.72	1405.3	0.36	1405.3	
Jul 1, 11:00 PM	1.99	1304.92	24.17	1.68	583.55	903.46	17.99	14.72	1416.7	0.32	1416.7	84.34
Jul 2, 12:00 AM	2.18	1568.38	24.06	1.41	532.27	821.86	17.15	14.72	1405.8	0.29	1405.8	82.95
Jul 2, 1:00 AM	2.04	1479.51	23.26	1.02	529.66	814.33	15.92	14.72	1404.9	0.29	1404.9	82.09
Jul 2, 2:00 AM	1.80	1379.27	23.51	0.90	498.56	763.89	14.94	14.72	1410.2	0.27	1410.2	81.40
Jul 2, 3:00 AM	1.90	1381.77	23.55	0.72	524.92	802.69	14.37	14.72	1399.5	0.29	1399.5	80.36
Jul 2, 4:00 AM	4.62	1900.74	25.92	2.44	937.83	1432.13	13.92	14.72	1400.8	0.51	1400.8	82.38
Jul 2, 5:00 AM	2.67	1542.31	23.64	1.66	649.09	988.65	13.25	14.72	1451.0	0.35	1451.0	81.77
Jul 2, 6:00 AM	2.24	1200.07	21.43	0.69	715.66	1089.51	13.04	14.72	1401.5	0.39	1401.5	81.19
Jul 2, 7:00 AM	2.73	1186.37	21.33	0.89	877.86	1342.80	14.27	14.71	1389.9	0.48	1389.9	80.55
Jul 2, 8:00 AM	4.55	1839.99	23.19	1.81	959.85	1485.38	17.72	14.71	1389.5	0.53	1389.5	81.01
Jul 2, 9:00 AM	4.50	1719.28	25.15	1.59	1002.60	1572.71	21.74	14.72	1414.2	0.56	1414.2	81.06
Jul 2, 10:00 AM	4.11	1604.70	26.88	2.41	978.35	1547.77	24.31	14.72	1409.7	0.55	1409.7	80.65
Jul 2, 11:00 AM	5.21	2036.89	28.08	3.86	989.64	1580.63	27.26	14.72	1396.4	0.56	1396.4	80.32
Jul 2, 12:00 PM	4.37	1732.89	28.39	4.23	961.43	1555.24	31.07	14.72	1384.8	0.56	1384.8	80.36
Jul 2, 1:00 PM	3.83	1596.59	28.44	4.10	914.78	1495.07	34.22	14.72	1387.7	0.53	1387.7	80.36
Jul 2, 2:00 PM	3.71	1555.61	28.24	4.31	908.18	1486.08	34.61	14.72	1382.7	0.53	1382.7	80.48
			28.93						1390.7			80.80
Jul 2, 3:00 PM	4.27	1654.17		4.56	974.89	1588.92	33.44	14.72		0.57	1390.7	
Jul 2, 4:00 PM	6.75	2823.17	28.38	5.00	924.69	1499.31	31.81	14.72	1393.6	0.54	1393.6	82.49
Jul 2, 5:00 PM	4.13	1740.40	28.40	4.43	906.59	1463.50	30.55	14.73	1411.1	0.52	1411.1	82.41
Jul 2, 6:00 PM	3.62	1657.76	28.88	4.52	832.10	1347.19	31.36	14.72	1406.6	0.48	1406.6	82.32
Jul 2, 7:00 PM	3.21	1577.46	28.76	3.96	775.15	1248.06	29.70	14.73	1409.5	0.45	1409.5	81.94
Jul 2, 8:00 PM	3.36	1460.18	28.58	3.20	879.53	1403.82	26.95	14.72	1397.9	0.50	1397.9	81.99
Jul 2, 9:00 PM	2.68	1443.60	28.28	3.77	708.27	1119.84	24.19	14.72	1421.0	0.40	1421.0	82.59
Jul 2, 10:00 PM	1.96	1219.99	24.42	2.16	612.05	961.86	22.45	14.73	1426.9	0.34	1426.9	82.45
Jul 2, 11:00 PM	2.05	1215.66	23.90	1.49	644.22	1010.11	21.72	14.72	1406.6	0.36	1406.6	82.51
Jul 3, 12:00 AM	2.71	1629.57	25.13	1.52	631.99	991.58	21.91	14.72	1419.6	0.35	1419.6	83.04
Jul 3, 1:00 AM	2.75	1536.82	25.58	1.31	685.38	1078.23	22.65	14.72	1436.3	0.38	1436.3	83.74
Jul 3, 2:00 AM	2.41	1488.90	26.04	1.04	619.48	973.10	22.25	14.72	1437.6	0.35	1437.6	84.35
Jul 3, 3:00 AM	2.71	1482.67	26.88	1.42	702.03	1101.09	21.76	14.72	1425.4	0.39	1425.4	85.17
Jul 3, 4:00 AM	5.42	2063.92	28.69	3.43	1030.14	1614.56	21.41	14.71	1447.0	0.58	1447.0	85.96
Jul 3, 5:00 AM	2.69	1638.28	25.37	2.36	632.77	990.51	21.21	14.72	1444.4	0.35	1444.4	85.98
Jul 3, 6:00 AM	6.99	1347.71	21.86	2.59	1995.15	3127.19	21.24	14.71	1376.4	1.12	1376.4	90.73
Jul 3, 7:00 AM	5.58	911.35	15.34	2.13	2327.55	3659.22	21.88	14.69	1295.0	1.31	1295.0	93.58
Jul 3, 8:00 AM	6.73	1053.67	15.90	2.53	2444.61	3860.44	23.21	14.69	1287.4	1.38	1287.4	95.76
Jul 3, 9:00 AM	5.48	916.23	15.42	2.37	2311.28	3670.37	24.97	14.69	1297.3	1.31	1297.3	96.74
Jul 3, 10:00 AM	3.34	1343.46	22.29	2.93	938.86	1501.20	27.18	14.71	1372.0	0.54	1372.0	95.97
Jul 3, 11:00 AM	3.78	1495.41	27.43	3.32	962.02	1549.27	29.60	14.72	1406.8	0.55	1406.8	94.54
Jul 3, 12:00 PM	4.51	1655.32	31.04	4.12	1029.63	1673.66	32.33	14.72	1424.1	0.60	1424.1	94.68
Jul 3, 1:00 PM	4.02	1745.72	31.66	4.64	875.33	1428.35	33.64	14.72	1467.7	0.51	1467.7	94.87
Jul 3, 2:00 PM	4.96	1932.77	33.19	4.50	966.21	1561.40	30.85	14.73	1511.7	0.56	1511.7	96.12
Jul 3, 3:00 PM	4.19	1886.77	31.13	3.88	851.21	1365.66	28.73	14.73	1493.8	0.49	1493.8	96.04
Jul 3, 4:00 PM	3.98	1772.55	30.22	3.73	853.56	1364.47	27.59	14.73	1467.2	0.49	1467.2	93.27
Jul 3, 5:00 PM	4.12	1788.86	29.19	4.03	877.87	1407.57	28.43	14.73	1445.1	0.50	1445.1	93.26
Jul 3, 6:00 PM	3.48	1684.91	29.91	3.90	786.08	1257.88	27.81	14.72	1425.4	0.45	1425.4	93.11
Jul 3, 7:00 PM	3.41	1713.94	29.12	3.68	759.60	1210.06	26.46	14.72	1422.7	0.43	1422.7	93.31
Jul 3, 8:00 PM	3.85	1968.42	28.72	3.56	747.15	1187.53	25.79	14.72	1432.0	0.42	1432.0	93.81
Jul 3, 9:00 PM	2.72	1586.10	27.02	2.66	653.81	1034.40	24.44	14.73	1436.3	0.37	1436.3	93.85
Jul 3, 10:00 PM	2.71	1596.95	26.14	2.46	650.49	1025.16	23.24	14.72	1408.9	0.37	1408.9	94.60
Jul 3, 11:00 PM	3.24	1846.68	26.12	2.44	676.56	1063.97	22.60	14.72	1418.0	0.38	1418.0	95.78
Jul 4, 12:00 AM	3.44	1851.35	26.75	2.33	706.39	1112.25	23.04	14.73	1418.2	0.40	1418.2	96.51
Jul 4, 1:00 AM	2.50	1496.11	25.79	2.28	636.55	1002.97	23.18	14.72	1395.5	0.36	1395.5	96.27
Jul 4, 2:00 AM	2.22	1371.02	25.03	2.25	618.00	970.94	22.30	14.72	1391.1	0.35	1391.1	96.08
Jul 4, 3:00 AM	2.46	1396.50	25.25	2.40	668.06	1047.08	21.61	14.72	1409.8	0.37	1409.8	95.82
Jul 4, 4:00 AM	3.71	2090.70	24.64	2.46	739.38	1156.96	21.21	14.73	1427.0	0.41	1427.0	94.12
Jul 4, 5:00 AM	2.49	1845.70	24.20	2.48	518.26	810.25	20.86	14.72	1388.8	0.29	1388.8	93.92
Jul 4, 6:00 AM Jul 4, 7:00 AM	2.67 4.20	1299.88 1519.04	24.01 26.84	2.18 3.93	772.97 1050.37	1210.70 1651.86	21.21 22.44	14.72 14.72	1379.6 1426.1	0.43 0.59	1379.6 1426.1	89.60 88.22

Component	SO2 Mass Rate (Kg/hr)	Sulfide	arbonyl Sulfide Car (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Flare Tip Velocity	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Jul 4, 8:00 AM	3.97	(PPM/hr) 1334.81	26.19	3.21	1132.43	1796.03	(deg. C) 25.03	14.72	(BTU/scf) 1432.0	(m/s) 0.64	1432.0	85.46
Jul 4, 9:00 AM	4.56	1633.44	27.50	3.74	1064.52	1790.03	29.35	14.72	1412.7	0.61	1412.7	84.54
Jul 4, 10:00 AM	5.10	2066.80	29.96	4.37	947.90	1538.63	32.12	14.72	1427.5	0.55	1427.5	86.30
Jul 4, 11:00 AM	7.21	3011.25	34.35	5.11	924.21	1489.44	30.01	14.73	1428.6	0.53	1428.6	89.74
Jul 4, 12:00 PM	8.98	3987.46	38.77	6.34	865.19	1386.47	28.35	14.73	1422.1	0.49	1422.1	94.21
Jul 4, 1:00 PM	18.40	6730.34	49.14	9.88	1048.80	1684.14	28.93	14.73	1424.8	0.60	1424.8	108.59
Jul 4, 2:00 PM	16.40	6183.92	45.59	9.68	1038.60	1683.81	31.96	14.73	1475.0	0.60	1475.0	120.02
Jul 4, 3:00 PM	12.79	5188.60	43.96	8.14	953.35	1545.64	32.11	14.74	1527.4	0.55	1527.4	128.62
Jul 4, 4:00 PM	22.50	9582.02	62.06	12.57	912.81	1471.06	30.23	14.74	1484.8	0.53	1484.8	147.14
Jul 4, 5:00 PM	20.52	9090.66	61.97	12.19	870.91	1394.43	28.28	14.74	1482.9	0.50	1482.9	163.54
Jul 4, 6:00 PM	17.38	8004.89	56.41	10.52	840.00	1347.22	28.70	14.73	1456.2	0.48	1456.2	177.45
Jul 4, 7:00 PM	16.60	8593.91	56.80	10.65	744.41	1189.54	27.58	14.73	1438.6	0.42	1438.6	190.63
Jul 4, 8:00 PM	16.39	9007.58	55.97	10.32	703.49	1115.75	25.30	14.73	1407.9	0.40	1407.9	203.17
Jul 4, 9:00 PM	13.51	7927.02	52.50	9.30	658.29	1041.26	24.49	14.73	1412.3	0.37	1412.3	213.96
Jul 4, 10:00 PM Jul 4, 11:00 PM	13.24 13.98	7932.01 8289.55	51.66 50.78	9.38 9.44	644.41 653.10	1018.15 1032.39	24.15 24.23	14.73 14.73	1415.1 1409.7	0.36 0.37	1415.1 1409.7	224.49 235.23
Jul 5, 12:00 AM	14.79	8389.51	50.13	9.44	682.20	1032.39	24.23	14.73	1414.9	0.37	1414.9	246.58
Jul 5, 1:00 AM	12.37	8126.69	49.87	9.05	588.19	926.50	23.20	14.73	1427.2	0.33	1427.2	256.45
Jul 5, 2:00 AM	12.62	8426.77	50.83	8.72	578.80	909.40	22.32	14.72	1402.6	0.32	1402.6	266.84
Jul 5, 3:00 AM	14.38	9074.68	52.56	9.04	612.28	959.17	21.42	14.72	1408.2	0.34	1408.2	278.77
Jul 5, 4:00 AM	18.54	9989.54	55.47	10.03	714.70	1117.37	20.82	14.72	1430.4	0.40	1430.4	293.60
Jul 5, 5:00 AM	16.07	10047.95	55.88	9.46	618.87	965.73	20.39	14.73	1447.9	0.34	1447.9	307.18
Jul 5, 6:00 AM	21.87	10945.55	60.52	9.87	761.01	1187.04	20.23	14.73	1431.6	0.42	1431.6	326.38
Jul 5, 7:00 AM	68.56	23212.11	108.36	21.53	1077.98	1687.86	21.27	14.72	829.1	0.60	829.1	390.75
Jul 5, 8:00 AM	44.70	14878.94	77.57	15.91	1089.95	1720.32	23.84	14.73	1467.7	0.61	1467.7	431.48
Jul 5, 9:00 AM	22.20	8700.99	54.66	9.74	988.81	1581.76	27.75	14.72	1430.5	0.56	1430.5	449.12
Jul 5, 10:00 AM	25.75	10814.78	63.42	12.45	919.46	1495.74	32.83	14.73	1439.5	0.53	1439.5	469.76
Jul 5, 11:00 AM	32.83	12190.66	71.86	16.00	1008.47	1665.67	37.41	14.73	1428.7	0.59	1428.7	495.38
Jul 5, 12:00 PM	54.67	21487.34	112.29	29.03	973.51	1618.09	39.71	14.74	1466.0	0.58	1466.0	541.07
Jul 5, 1:00 PM Jul 5, 2:00 PM	18.83	7366.99	57.45	11.98	1003.23	1651.07 2358.73	36.81	14.74	1475.7 1407.7	0.59	1475.7	541.49
Jul 5, 3:00 PM	21.71 26.21	6221.26 7374.65	59.85 130.14	11.57 10.23	1430.84 1399.65	2356.73	37.30 35.85	14.74 14.78	1833.9	0.84 0.82	1407.7 1833.9	546.80 560.22
Jul 5, 4:00 PM	22.91	10948.73	122.61	14.41	812.82	1314.36	32.00	14.78	1781.9	0.47	1781.9	560.63
Jul 5, 5:00 PM	19.42	10297.27	84.98	13.67	727.05	1165.16	29.00	14.76	1637.1	0.42	1637.1	559.53
Jul 5, 6:00 PM	20.53	8552.67	72.53	11.35	928.81	1484.19	27.96	14.75	1578.2	0.53	1578.2	562.68
Jul 5, 7:00 PM	75.21	26052.09	118.51	29.23	1150.98	1833.65	27.03	14.75	1611.2	0.65	1611.2	621.29
Jul 5, 8:00 PM	31.22	15548.24	84.66	19.25	704.57	1117.15	25.45	14.75	1550.2	0.40	1550.2	636.12
Jul 5, 9:00 PM	17.50	9300.84	61.22	10.30	725.46	1143.85	23.78	14.74	1470.5	0.41	1470.5	640.11
Jul 5, 10:00 PM	24.67	7668.71	56.01	7.89	1239.38	1947.18	23.14	14.76	1694.2	0.69	1694.2	651.54
Jul 5, 11:00 PM	17.15	8948.68	58.84	8.90	751.60	1178.51	22.50	14.76	1596.0	0.42	1596.0	654.71
Jul 6, 12:00 AM	18.51	10961.77	64.93	10.91	657.41	1030.77	21.97	14.74	1451.0	0.37	1451.0	658.44
Jul 6, 1:00 AM	24.98	9308.66	59.73	8.99	1063.02	1661.34	21.30	14.75	1578.9	0.59	1578.9	671.04
Jul 6, 2:00 AM	22.57	7400.71	53.60	7.04	1177.04	1832.64	20.55	14.77	1735.5	0.65	1735.5	681.00
Jul 6, 3:00 AM	15.78	8281.66	58.30	7.58	767.61	1195.15	20.48	14.76	1664.8	0.43	1664.8	682.40
Jul 6, 4:00 AM	20.45	10406.36	65.51	9.46	759.86	1185.58	20.53	14.74	1518.0	0.42	1518.0	684.31
Jul 6, 5:00 AM Jul 6, 6:00 AM	18.25	10576.45	64.97	10.06	666.78	1041.04	20.66	14.73	1465.7	0.37	1465.7	686.48
Jul 6, 6:00 AM	20.54 30.31	10875.50 13626.75	66.78 79.71	10.27 13.61	724.27 881.31	1132.39 1382.60	20.87 21.77	14.72 14.72	1410.0 1404.5	0.40 0.49	1410.0 1404.5	685.15 646.91
Jul 6, 8:00 AM	52.26	16965.94	76.19	11.39	1190.98	1882.44	24.47	14.74	1639.3	0.49	1639.3	654.46
Jul 6, 9:00 AM	62.05	12860.04	86.92	6.02	1911.84	3046.72	27.68	14.78	1903.2	1.09	1903.2	694.30
Jul 6, 10:00 AM	57.15	18751.47	111.70	6.92	1181.32	1897.87	30.40	14.79	2059.0	0.68	2059.0	725.71
Jul 6, 11:00 AM	58.27	20240.35	109.81	8.22	1113.96	1801.34	32.19	14.78	1979.8	0.64	1979.8	751.15
Jul 6, 12:00 PM	59.05	19238.24	106.33	8.12	1187.55	1919.60	32.02	14.78	1916.6	0.69	1916.6	755.52
Jul 6, 1:00 PM	56.74	18348.31	105.99	8.71	1186.38	1931.73	34.32	14.78	1897.5	0.69	1897.5	793.43
Jul 6, 2:00 PM	49.92	17056.12	100.42	8.37	1126.03	1834.74	34.44	14.78	1847.0	0.65	1847.0	821.65
Jul 6, 3:00 PM	29.08	11940.40	83.88	10.97	939.19	1529.52	33.65	14.75	1611.7	0.55	1611.7	824.52
Jul 6, 4:00 PM	40.54	15523.72	95.84	17.13	1020.66	1649.70	31.24	14.74	1556.0	0.59	1556.0	842.15
Jul 6, 5:00 PM	27.35	10805.08	72.16	11.71	967.84	1559.14	30.27	14.75	1578.3	0.56	1578.3	850.07
Jul 6, 6:00 PM	23.17	10296.84	69.72	11.54	869.48	1397.23	29.41	14.74	1512.4	0.50	1512.4	852.72
Jul 6, 7:00 PM	27.72	11569.28	70.91	12.74	922.66	1478.01	28.37	14.74	1502.9	0.53	1502.9	805.24
Jul 6, 8:00 PM	26.77	12241.67	68.64	11.96	841.00	1339.20	26.74	14.74	1544.3	0.48	1544.3	800.78
Jul 6, 9:00 PM	19.12	8278.05	58.76 55.97	9.30	852.79 662.44	1348.59	24.84	14.75	1547.7	0.48	1547.7	802.40
Jul 6, 10:00 PM Jul 6, 11:00 PM	14.06	8234.02	55.97 57.44	8.60	662.44	1043.03	23.42	14.75	1506.2	0.37	1506.2	791.79
Jul 6, 11:00 PM Jul 7, 12:00 AM	15.46 17.01	9648.89 10206.18	57.44 58.87	9.17 9.01	618.93 644.45	971.95 1011.11	22.49 22.17	14.74 14.74	1484.7 1463.7	0.35 0.36	1484.7 1463.7	790.10 788.60
Jul 7, 1:00 AM	16.70	10206.18	58.96	8.86	629.07	985.54	21.66	14.74	1452.2	0.35	1452.2	780.33
Jul 7, 2:00 AM	15.30	9855.78	56.75	8.21	600.12	938.66	21.05	14.73	1432.2	0.33	1432.2	773.05
Jul 7, 3:00 AM	15.79	9237.92	53.81	7.53	661.52	1033.03	20.55	14.72	1455.0	0.37	1455.0	773.06
Jul 7, 4:00 AM	17.40	10190.49	55.36	8.27	658.31	1035.03	20.02	14.72	1435.3	0.37	1435.3	770.01
Jul 7, 5:00 AM	14.96	9371.55	52.06	7.65	619.17	963.47	19.49	14.72	1429.0	0.34	1429.0	766.72
Jul 7, 6:00 AM	15.77	9067.96	51.33	7.50	671.98	1043.85	18.96	14.72	1413.4	0.37	1413.4	761.95
Jul 7, 7:00 AM	22.76	10354.92	56.92	9.17	848.55	1321.06	19.53	14.72	1401.8	0.47	1401.8	754.40
Jul 7, 8:00 AM	21.01	8696.45	52.24	8.74	934.74	1468.83	22.23	14.72	1409.7	0.52	1409.7	723.15
Jul 7, 9:00 AM	20.76	8245.38	52.64	9.13	973.50	1549.51	26.15	14.72	1441.5	0.55	1441.5	681.87
Jul 7, 10:00 AM	21.38	8734.89	57.38	10.53	943.84	1515.89	28.95	14.72	1441.1	0.54	1441.1	646.10
Jul 7, 11:00 AM	22.62	8667.93	58.76	11.81	1003.59	1614.98	29.67	14.73	1458.3	0.58	1458.3	610.45
Jul 7, 12:00 PM	21.83	8970.12	59.46	13.86	940.06	1529.85	33.08	14.73	1441.8	0.55	1441.8	573.24
Jul 7, 1:00 PM	21.52	9187.49	61.25	14.76	903.87	1477.18	34.35	14.73	1425.4	0.53	1425.4	538.02
Jul 7, 2:00 PM	23.71	9830.32	64.62	15.78	930.23	1518.09	33.91	14.73	1420.8	0.54	1420.8	511.80
Jul 7, 3:00 PM	26.04	10602.03	66.48	16.28	948.37	1540.22	32.44	14.73	1433.5	0.55	1433.5	508.77



	Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
	Jul 7, 4:00 PM	33.71	13092.99	72.84	18.82	1002.84	1617.39	30.33	14.73	1436.5	0.58	1436.5	501.94
	Jul 7, 5:00 PM	29.17	11785.24	68.13	17.34	951.05	1526.10	28.88	14.74	1466.2	0.54	1466.2	503.76
	Jul 7, 6:00 PM	26.46	11291.87	66.13	16.23	904.59	1447.74	28.06	14.73	1446.5	0.52	1446.5	507.04
	Jul 7, 7:00 PM	26.04	12098.70	67.02	16.43	828.27	1318.02	26.28	14.73	1446.7	0.47	1446.7	505.35
	Jul 7, 8:00 PM	22.62	11143.81	62.22	14.61	783.48	1238.16	24.15	14.73	1422.8	0.44	1422.8	501.20
	Jul 7, 9:00 PM	23.32	11893.09	61.78	14.07	758.58	1191.52	22.31	14.73	1414.5	0.43	1414.5	505.41
	Jul 7, 10:00 PM	24.67	13032.33	64.04	14.30	732.32	1146.81	21.38	14.72	1399.1	0.41	1399.1	516.01
	Jul 7, 11:00 PM	25.93	14303.61	66.91	15.44	700.82	1095.42	20.89	14.73	1419.5	0.39	1419.5	526.48
	Jul 8, 12:00 AM	25.55	15004.22	69.53	15.38	658.77	1029.68	20.93	14.73	1410.8	0.37	1410.8	535.02
	Jul 8, 1:00 AM	24.93	14690.27	68.08	14.52	652.41	1019.50	20.91	14.73	1454.9	0.36	1454.9	543.25
	Jul 8, 2:00 AM	24.15	15410.27	70.81	15.35	607.60	946.59	20.06	14.73	1426.6	0.34	1426.6	552.10
	Jul 8, 3:00 AM	25.01	14646.08	66.79	14.34	660.47	1026.54	19.32	14.73	1420.3	0.37	1420.3	561.32
	Jul 8, 4:00 AM	24.24	15286.76	68.11	15.12	614.49	953.11	18.73	14.73	1396.9	0.34	1396.9	568.16
	Jul 8, 5:00 AM	26.83	15692.11	68.32	15.22	662.15	1026.20	18.41	14.73	1400.7	0.37	1400.7	580.03
	Jul 8, 6:00 AM	29.15	15861.56	69.71	15.51	711.49	1104.29	18.81	14.73	1392.8	0.39	1392.8	593.41
	Jul 8, 7:00 AM	34.33	15033.65	67.54	14.71	854.92	1332.80	20.00	14.72	811.4	0.48	811.4	604.97
	Jul 8, 8:00 AM	39.03	15295.13	68.45	16.01	990.33	1557.92	22.75	14.73	1417.1	0.56	1417.1	622.99
	Jul 8, 9:00 AM	35.98	14463.80	70.05	17.12	959.61	1529.06	26.59	14.72	1207.6	0.55	1207.6	638.21
	Jul 8, 10:00 AM	41.46	15798.74	76.33	19.25	1014.55	1632.84	29.57	14.73	992.1	0.58	992.1	658.29
	Jul 8, 11:00 AM	43.77	17654.46	83.46	23.75	958.73	1554.66	31.92	14.73	1383.2	0.55	1383.2	679.44
	Jul 8, 12:00 PM	35.07	13509.81	71.80	21.19	1006.14	1648.42	35.09	14.73	1405.6	0.59	1405.6	692.68
	Jul 8, 1:00 PM	28.97	10499.96	63.93	18.99	1061.17	1751.41	37.70	14.74	1486.8	0.63	1487.4	700.14
	Jul 8, 2:00 PM	18.75	7487.96	57.11	16.25	968.42	1598.52	37.81	14.75	1477.3	0.57	1477.3	695.18
						972.87						1417.3	
	Jul 8, 3:00 PM	20.77	8418.44	53.23	16.55		1600.35	36.60	14.74	1413.2	0.57		689.90
	Jul 8, 4:00 PM	14.95	5903.28	52.37	14.17	973.82	1591.21	34.60	14.75	1478.0	0.57	1476.8	671.14
	Jul 8, 5:00 PM	10.76	4510.11	48.95	11.36	912.91	1484.22	33.14	14.75	1470.7	0.53	1472.0	652.74
	Jul 8, 6:00 PM	9.08	3941.39	46.80	10.53	954.99	1548.35	32.13	14.74	1204.8	0.55	1441.1	635.35
	Jul 8, 7:00 PM	9.07	4457.48	43.21	11.00	847.08	1365.90	30.20	14.73	1064.8	0.49	1432.9	618.39
	Jul 8, 8:00 PM	6.22	3188.94	40.08	7.78	746.51	1193.41	27.73	14.73	1427.3	0.43	1427.3	601.99
	Jul 8, 9:00 PM	4.93	2647.05	35.74	5.74	711.05	1128.06	25.40	14.73	1417.3	0.40	1417.3	583.61
	Jul 8, 10:00 PM	4.64	2586.07	34.15	5.31	688.05	1086.34	23.96	14.73	1397.8	0.39	1397.8	563.58
	Jul 8, 11:00 PM	4.35	2613.16	33.06	5.22	639.17	1007.39	23.41	14.73	1413.6	0.36	1413.6	542.00
	Jul 9, 12:00 AM	4.96	3012.47	33.18	5.14	630.21	992.70	23.20	14.73	1410.8	0.35	1410.8	521.42
	Jul 9, 1:00 AM	5.10	3145.28	34.11	5.68	621.59	978.71	23.06	14.73	1407.0	0.35	1407.0	501.58
	Jul 9, 2:00 AM	5.24	3100.97	34.55	5.73	649.24	1022.06	22.98	14.73	1404.9	0.36	1404.9	482.67
	Jul 9, 3:00 AM	4.96	3095.45	34.37	5.60	613.27	965.12	22.86	14.73	1393.9	0.34	1393.9	462.63
										1392.2		1392.2	
	Jul 9, 4:00 AM	5.54	2930.13	33.81	5.38	725.76	1142.15	22.82	14.72		0.41		443.93
	Jul 9, 5:00 AM	4.75	2861.41	32.50	5.02	637.21	1002.43	22.78	14.73	1405.7	0.36	1405.7	421.85
	Jul 9, 6:00 AM	3.95	2284.22	31.43	4.46	662.50	1043.24	23.00	14.72	1379.4	0.37	1379.4	396.66
	Jul 9, 7:00 AM	4.76	2606.21	33.18	5.38	701.79	1108.04	23.77	14.72	1365.5	0.40	1365.5	367.09
	Jul 9, 8:00 AM	4.69	2191.79	31.34	4.97	817.44	1296.31	25.18	14.73	1399.8	0.46	1399.8	332.75
	Jul 9, 9:00 AM	SM	SM	SM	SM	879.18	1406.26	27.70	14.72	SM	0.50	SM	296.77
	Jul 9, 10:00 AM	SM	SM	SM	SM	918.21	1480.99	30.13	14.72	SM	0.53	SM	255.31
	Jul 9, 11:00 AM	SM	SM	SM	SM	1202.17	1943.49	31.43	14.75	SM	0.69	SM	211.53
	Jul 9, 12:00 PM	4.78	1700.05	34.98	7.66	1066.34	1727.55	32.39	14.76	1690.6	0.62	1690.6	181.25
	Jul 9, 1:00 PM	4.50	2026.15	38.35	9.05	844.34	1366.85	31.72	14.74	1545.2	0.49	1545.2	156.78
	Jul 9, 2:00 PM	5.78	2533.32	40.53	9.28	866.40	1395.13	29.94	14.74	1475.8	0.50	1475.8	143.81
	Jul 9, 3:00 PM	4.86	2246.09	39.06	9.14	820.79	1322.53	30.07	14.73	1459.4	0.47	1459.4	127.90
	Jul 9, 4:00 PM	4.74	2174.92	37.34	8.33	849.19	1364.47	29.24	14.73	1189.1	0.49	1476.7	117.69
	Jul 9, 5:00 PM	4.89	2213.57	38.40	8.00	839.07	1348.53	29.43	14.74	1506.6	0.48	1506.6	111.82
	Jul 9, 6:00 PM	4.60	2104.53	38.75	8.13	830.04	1334.44	29.44	14.73	1472.4	0.48	1472.4	107.34
	Jul 9, 7:00 PM	5.11	2454.93	39.20	8.83	796.09	1275.77	28.41	14.73	1447.3	0.46	1447.3	103.38
	Jul 9, 8:00 PM	4.28	2112.33	36.83	7.42	769.71	1230.72	27.77	14.73	1457.5	0.44	1457.5	101.45
	Jul 9, 9:00 PM	3.60	1903.20	33.25	6.90	717.80	1142.51	26.47	14.74	1445.9	0.41	1445.9	100.12
	Jul 9, 10:00 PM	3.82	1929.76	33.57	6.87	752.84	1193.57	25.18	14.73	1423.0	0.43	1423.0	99.30
	Jul 9, 11:00 PM	5.01	2296.34	35.10	8.33	838.32	1326.92	24.66	14.73	1432.1	0.47	1432.1	99.95
	Jul 10, 12:00 AM	4.03	1950.21	33.45	6.30	786.02	1241.08	23.98	14.73	1447.4	0.44	1447.4	99.01
	Jul 10, 1:00 AM	3.93	1804.80	34.58	5.94	825.54	1300.98	23.41		1448.6	0.44	1448.6	97.85
									14.73				
	Jul 10, 2:00 AM	3.95	1949.28	34.95	7.33	773.63	1218.38	23.14	14.73	1443.4	0.43	1443.5	96.55
	Jul 10, 3:00 AM	3.32	1646.77	33.96	6.54	764.74	1204.02	22.96	14.72	1435.0	0.43	1435.0	94.91
	Jul 10, 4:00 AM	5.16	2169.14	36.61	8.32	902.99	1418.11	22.17	14.72	1427.5	0.51	1427.5	94.53
	Jul 10, 5:00 AM	3.75	1911.65	34.08	7.43	746.75	1171.13	21.65	14.72	1432.9	0.42	1432.9	93.52
	Jul 10, 6:00 AM	3.23	1616.77	33.05	4.26	758.05	1186.49	21.20	14.72	1467.4	0.42	1467.4	92.80
	Jul 10, 7:00 AM	2.66	1387.24	30.45	3.06	723.99	1132.18	20.65	14.71	1444.8	0.40	1471.7	90.69
	Jul 10, 8:00 AM	4.06	1855.64	33.24	3.97	833.76	1312.47	21.14	14.64	1477.5	0.47	1477.5	90.07
	Jul 10, 9:00 AM	3.65	1765.35	33.54	4.12	788.17	1249.59	22.47	14.60	1464.8	0.45	1464.8	93.72
	Jul 10, 10:00 AM	4.33	1784.23	32.57	4.34	923.97	1458.96	23.75	14.72	1488.8	0.52	1488.8	98.05
	Jul 10, 11:00 AM	3.43	1550.04	31.83	5.15	821.75	1300.25	24.46	14.73	1464.5	0.46	1464.5	101.49
	Jul 10, 12:00 PM	2.92	1364.73	29.70	4.62	813.26	1281.17	23.13	14.72	1440.8	0.46	1440.8	99.62
	Jul 10, 1:00 PM	4.25	1721.47	30.82	5.26	939.72	1492.70	25.49	14.72	1428.9	0.53	1428.9	99.37
		4.90	2151.49	32.71		871.79	1400.37	28.98			0.50	1454.2	98.49
	Jul 10, 2:00 PM				5.66				14.72	1454.2			
	Jul 10, 3:00 PM	4.83	2047.40	34.39	6.04	900.81	1454.75	30.53	14.72	1446.6	0.52	1446.6	98.46
	Jul 10, 4:00 PM	4.29	1805.61	35.62	6.61	902.05	1455.63	30.35	14.72	1467.5	0.52	1467.5	98.00
	Jul 10, 5:00 PM	3.78	1693.58	33.76	5.95	844.33	1354.90	28.73	14.73	1477.6	0.48	1477.6	96.90
	Jul 10, 6:00 PM	2.93	1497.13	32.98	5.40	739.79	1178.78	26.54	14.73	1457.2	0.42	1457.2	95.23
	Jul 10, 7:00 PM	3.14	1475.10	33.19	5.27	805.38	1274.46	24.47	14.72	1440.3	0.45	1440.3	93.26
1	Jul 10, 8:00 PM	3.55	1694.86	31.59	5.18	794.84	1248.70	22.29	14.72	1417.9	0.45	1417.9	92.53
	Jul 10, 9:00 PM	4.25	1936.30	29.99	5.06	838.49	1314.48	21.63	14.72	1431.8	0.47	1431.8	93.17
	1.1.40		1575 50	20.00	4.44	763.21	1194.79	21.12	14.72	1429.6	0.43		02.51
	Jul 10, 10:00 PM Jul 10, 11:00 PM	3.16 3.37	1575.50 1568.51	30.00 30.34	4.57	817.43	1281.20	20.92	14.69	1409.4	0.45	1429.6 1409.4	92.51 90.87



Component	SO2 Mass Rate (Kg/hr)	Hydrogen C Sulfide	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Flare Tip Velocity	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
hil 44, 42:00 AM		(PPM/hr)				1291.68	(deg. C)		(BTU/scf)	(m/s)		
Jul 11, 12:00 AM	3.50	1610.74	30.21	4.74	822.43		21.26	14.68	1457.3	0.46	1457.3	90.34
Jul 11, 1:00 AM	3.48	1707.35	30.03	5.18	778.57	1224.44	21.39	14.66	1385.5	0.44	1385.5	89.89
Jul 11, 2:00 AM	3.11	1610.27	29.86	4.43	730.89	1146.32	21.20	14.70	1378.5	0.41	1378.5	89.05
Jul 11, 3:00 AM	2.83	1427.73	28.50	4.26	752.67	1165.92	19.89	14.81	1371.9	0.42	1371.9	88.56
Jul 11, 4:00 AM	3.35	1691.29	27.19	4.44	757.92	1168.27	19.03	14.84	1357.8	0.42	1357.8	86.76
Jul 11, 5:00 AM	3.12	1544.71	26.36	3.91	767.70	1185.85	18.61	14.79	1362.7	0.42	1362.7	86.13
Jul 11, 6:00 AM	3.32	1666.18	27.03	3.81	760.88	1179.61	18.37	14.72	1373.0	0.42	1373.0	86.22
Jul 11, 7:00 AM	3.18	1541.33	26.92	3.47	785.99	1218.65	18.48	14.73	1368.2	0.43	1368.2	86.74
Jul 11, 8:00 AM	3.23	1564.42	27.43	3.74	787.95	1223.68	18.91	14.72	1367.9	0.44	1367.9	85.90
Jul 11, 9:00 AM	3.92	1684.85	27.15	3.76	890.51	1386.02	19.69	14.73	1398.1	0.49	1398.1	86.17
Jul 11, 10:00 AM	4.02	1643.20	29.80	4.39	932.40	1465.81	22.45	14.72	1466.9	0.52	1466.9	85.86
Jul 11, 11:00 AM	3.90	1677.60	33.12	5.49	881.94	1398.61	24.76	14.71	1415.1	0.50	1415.1	86.33
Jul 11, 12:00 PM	3.95	1694.58	34.51	6.21	882.46	1415.92	28.15	14.70	1369.1	0.51	1369.1	87.36
Jul 11, 1:00 PM	4.18	1905.09	36.07	6.94	832.21	1351.70	31.90	14.70	1367.8	0.48	1367.8	87.28
Jul 11, 2:00 PM	3.92	1750.65	36.11	6.82	849.47	1365.93	28.98	14.71	1385.6	0.49	1385.6	86.30
Jul 11, 3:00 PM	3.56	1615.64	34.55	6.48	833.33	1330.88	26.96	14.71	1398.3	0.48	1398.3	85.04
Jul 11, 4:00 PM	4.20	1971.27	34.82	7.02	810.51	1294.97	27.06	14.71	1376.2	0.46	1376.2	84.94
Jul 11, 5:00 PM	3.77	1804.60	34.58	7.19	793.01	1264.28	26.38	14.71	1342.5	0.45	1342.5	84.93
Jul 11, 6:00 PM	3.98	1841.59	36.18	7.03	819.64	1307.01	26.53	14.71	1359.5	0.47	1359.5	85.98
Jul 11, 7:00 PM	3.52	1787.03	36.80	6.78	746.34	1188.08	26.04	14.71	1368.6	0.42	1368.6	86.36
Jul 11, 8:00 PM	3.27	1582.31	35.53	5.86	781.50	1236.12	24.23	14.72	1395.9	0.44	1395.9	86.08
Jul 11, 9:00 PM	3.63	1806.46	35.07	5.52	767.20	1209.23	23.25	14.72	1417.7	0.43	1417.7	85.47
Jul 11, 10:00 PM	3.31	1598.81	34.02	4.78	784.68	1233.83	22.51	14.72	1405.0	0.44	1405.0	85.61
Jul 11, 11:00 PM	3.03	1505.62	33.15	4.91	760.14	1192.59	21.81	14.72	1397.4	0.43	1397.4	85.26
Jul 12, 12:00 AM	2.98	1518.99	32.71	5.05	742.46	1163.03	21.34	14.72	1383.5	0.42	1383.5	84.74
Jul 12, 1:00 AM	2.79	1402.62	31.80	4.77	751.85	1176.59	20.98	14.71	1361.4	0.42	1361.4	84.05
Jul 12, 2:00 AM	2.78	1371.69	30.56	4.85	767.89	1200.00	20.57	14.71	1373.9	0.43	1373.9	83.72
Jul 12, 3:00 AM	2.93	1373.80	29.50	5.03	808.01	1260.35	20.02	14.71	1383.4	0.45	1383.4	83.83
Jul 12, 4:00 AM	2.93	1437.32	29.37	5.48	770.37	1199.63	19.59	14.72	1360.4	0.43	1360.4	83.40
Jul 12, 5:00 AM	3.11	1568.94	28.88	4.98	754.87	1175.77	19.56	14.71	1365.3	0.42	1365.3	83.40
Jul 12, 6:00 AM	3.12	1507.99	30.11	5.45	784.51	1225.23	20.31	14.71	1358.5	0.44	1358.5	83.19
·												
Jul 12, 7:00 AM	3.44	1512.79	29.12	4.69	829.29	1298.20	21.05	14.71	796.8	0.46	1365.5	83.46
Jul 12, 8:00 AM	3.63	1449.39	31.20	5.07	941.17	1482.61	23.02	14.72	1399.8	0.53	1399.8	83.86
Jul 12, 9:00 AM	3.86	1600.86	33.88	6.60	911.05	1456.76	27.29	14.71	1367.1	0.52	1367.1	83.80
Jul 12, 10:00 AM	4.37	1755.90	35.32	7.57	941.41	1519.67	30.33	14.72	1412.5	0.54	1412.5	84.15
Jul 12, 11:00 AM	5.31	2166.31	38.93	8.55	931.52	1506.72	30.96	14.72	1382.0	0.54	1382.0	85.56
Jul 12, 12:00 PM	4.95	2043.11	40.75	9.36	917.81	1494.65	33.03	14.72	1379.4	0.53	1379.4	86.57
Jul 12, 1:00 PM	5.47	1869.13	41.20	9.45	1124.70	1841.45	34.77	14.72	1382.2	0.66	1382.2	87.86
Jul 12, 2:00 PM	4.59	1383.66	36.54	7.40	1246.49	2035.15	34.45	14.75	1512.3	0.73	1512.3	88.53
Jul 12, 3:00 PM	5.35	1838.59	40.01	7.58	1102.16	1789.21	32.74	14.75	1598.6	0.64	1598.6	90.31
Jul 12, 4:00 PM	5.53	1409.62	34.52	7.07	1474.25	2384.88	31.70	14.75	1388.6	0.85	1388.6	91.65
Jul 12, 5:00 PM	4.16	1507.82	34.73	6.97	1037.03	1671.86	30.67	14.76	1440.6	0.60	1440.6	92.04
Jul 12, 6:00 PM	4.36	1962.48	43.66	8.89	840.75	1353.22	29.73	14.73	1438.0	0.48	1438.0	92.43
Jul 12, 7:00 PM	4.42	2017.15	44.24	8.91	824.90	1322.59	28.40	14.72	1414.1	0.47	1414.1	93.32
Jul 12, 8:00 PM	3.58	1683.65	40.94	8.18	799.26	1278.30	27.59	14.72	1415.7	0.46	1415.7	93.64
Jul 12, 9:00 PM	2.96	1557.96	38.24	6.72	716.05	1135.96	25.18	14.72	1402.8	0.40	1402.8	92.96
Jul 12, 10:00 PM												
· ·	2.53	1467.81	35.34	5.71	650.15	1023.43	22.77	14.72	1375.2	0.37	1375.2	92.18
Jul 12, 11:00 PM	2.85	1606.60	36.03	4.26	673.57	1055.49	21.48	14.72	1394.4	0.38	1394.4	92.01
Jul 13, 12:00 AM	3.10	1698.20	36.61	3.48	690.78	1080.64	21.03	14.72	1405.4	0.39	1405.4	92.13
Jul 13, 1:00 AM	3.13	1749.89	36.75	3.37	680.15	1062.78	20.66	14.72	1405.8	0.38	1405.8	92.48
Jul 13, 2:00 AM	2.70	1518.79	35.76	3.35	672.55	1049.58	20.35	14.72	1429.6	0.37	1429.6	92.39
Jul 13, 3:00 AM	2.71	1497.98	36.30	3.12	685.34	1066.65	19.56	14.72	1412.2	0.38	1412.2	92.17
Jul 13, 4:00 AM	3.01	1560.51	35.69	3.62	732.55	1137.61	18.88	14.72	1393.5	0.41	1393.5	92.25
Jul 13, 5:00 AM	2.86	1586.15	33.64	3.28	681.16	1056.16	18.45	14.72	1425.8	0.38	1425.8	91.99
Jul 13, 6:00 AM	3.24	1710.40	34.48	3.51	720.21	1116.39	18.34	14.72	1402.4	0.40	1402.4	92.12
Jul 13, 7:00 AM	3.64	1774.87	34.54	4.05	776.76	1207.71	19.15	14.72	1398.5	0.43	1398.5	92.32
Jul 13, 8:00 AM	3.98	1683.51	34.57	4.03	898.61	1410.13	21.79	14.72	1427.2	0.50	1427.2	92.67
Jul 13, 9:00 AM	4.35	1679.31	39.34	5.59	977.83	1557.68	26.25	14.71	1414.0	0.56	1414.0	93.15
Jul 13, 10:00 AM	5.75	2261.19	39.89	9.07	969.43	1570.82	31.47	14.71	1414.3	0.56	1414.3	94.53
Jul 13, 11:00 AM	4.58	1951.25	41.16	9.64	886.67	1448.90	34.12	14.72	1394.3	0.52	1394.3	93.80
Jul 13, 12:00 PM	5.20	2162.77	41.68	9.41	910.62	1487.09	33.89	14.72	1382.1	0.52	1382.1	94.04
Jul 13, 1:00 PM	5.20	2059.30	41.00	8.94	910.62	1510.07	35.09	14.72	1402.7	0.53	1402.7	93.59
Jul 13, 2:00 PM	5.63	2258.57	45.13	9.84	943.51	1555.67	36.97	14.72	1398.3	0.56	1398.3	94.62
Jul 13, 3:00 PM	5.18	2094.33	45.23	10.19	933.69	1535.64	36.27	14.73	1424.4	0.55	1424.4	94.45
Jul 13, 4:00 PM	7.34	2853.51	47.29	10.84	980.50	1600.11	33.86	14.73	1433.1	0.57	1433.1	96.26
Jul 13, 5:00 PM	5.68	2280.94	44.79	9.85	938.27	1521.84	32.02	14.73	1458.4	0.54	1458.4	97.79
Jul 13, 6:00 PM	5.53	2268.95	45.51	9.54	921.95	1489.98	30.87	14.73	1425.5	0.53	1425.5	98.95
Jul 13, 7:00 PM	4.96	2163.76	46.18	10.41	864.54	1390.62	29.38	14.72	1406.5	0.50	1406.5	99.50
Jul 13, 8:00 PM	5.33	2635.12	45.44	9.51	774.38	1237.31	27.35	14.73	1430.2	0.44	1430.2	101.24
Jul 13, 9:00 PM	5.59	3044.35	46.02	9.40	700.54	1112.18	25.46	14.72	1404.3	0.40	1404.3	103.87
Jul 13, 10:00 PM	5.46	2985.31	43.79	8.19	698.28	1104.66	24.33	14.72	1386.4	0.39	1386.4	106.80
Jul 13, 11:00 PM	6.19	3260.93	42.59	7.76	726.22	1146.63	23.76	14.72	1393.8	0.41	1393.8	110.14
Jul 14, 12:00 AM	6.20	3281.75	43.12	7.74	724.09	1143.09	23.72	14.72	1388.3	0.41	1388.3	113.24
Jul 14, 1:00 AM	6.14	3051.73	41.26	7.48	770.24	1213.47	23.12	14.72	1399.5	0.43	1399.5	116.26
Jul 14, 2:00 AM	5.64	2917.14	39.67	7.38	739.12	1161.01	22.23	14.72	1416.9	0.41	1416.9	119.20
Jul 14, 3:00 AM	5.52	2917.49	39.02	7.04	724.40	1134.77	21.32	14.72	1384.2	0.41	1384.2	122.01
Jul 14, 4:00 AM	5.64	3127.78	38.89	7.04	692.00	1082.62	20.88	14.71	1374.8	0.39	1374.8	124.64
Jul 14, 5:00 AM	4.80	2688.90	36.88	5.53	681.58	1062.02	21.01	14.72	1408.5	0.39	1408.5	124.64
Jul 14, 6:00 AM	5.30	2771.14	39.97	5.61	732.76	1148.52	21.52	14.72	1391.3	0.41	1391.3	128.63
Jul 14, 7:00 AM	5.03	2332.41	38.89	5.49	822.90	1294.70	22.54	14.71	1381.5	0.46	1381.5	130.03

Component	SO2 Mass Rate (Kg/hr)	Hydrogen (Sulfide (PPM/hr)	Carbonyl Sulfide Ca (PPM/hr)	arbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Jul 14, 8:00 AM	5.85	2551.83	39.53	7.10	876.37	1388.09	24.51	14.71	1393.3	0.50	1393.3	131.90
Jul 14, 9:00 AM	5.68	2335.78	40.35	7.27	945.76	1508.06	26.52	14.71	1383.8	0.54	1383.8	133.23
Jul 14, 10:00 AM	6.06	2391.14 I	42.00 I	8.02 I	963.41	1546.19	28.59	14.72	1409.2	0.55	1409.2	133.54
Jul 14, 11:00 AM	5.96	2433.62 I	42.89 I	8.26 I	930.91	1505.89	31.02	14.72	1399.2	0.54	1399.2	134.93
Jul 14, 12:00 PM	6.16	2540.10 I	44.49 I	8.68 I	922.70	1505.89	33.73	14.72	1415.2	0.54	1415.2	135.89
Jul 14, 1:00 PM	5.43	2318.08 I	43.36 I	8.36 I	888.57	1450.02	33.72	14.72	1446.8	0.52	1446.8	136.30
Jul 14, 2:00 PM	5.03	1986.16 I	41.15 I	7.30 I	960.83	1556.19	31.62	14.73	1520.4	0.56	1520.4	135.71
Jul 14, 3:00 PM	5.36	1961.63 I	38.61 I	7.42 I	1033.67	1684.05	33.61	14.74	1593.0	0.60	1593.0	135.89
Jul 14, 4:00 PM	5.86	2279.65 I	42.72 I	7.98 I	978.42	1582.86	31.37	14.74	1524.1	0.56	1524.1	134.40
Jul 14, 5:00 PM	5.40	2308.65 I	42.83 I	8.48 I	887.29	1433.78	30.77	14.73	1465.6	0.51	1465.6	134.12
Jul 14, 6:00 PM	4.78	2203.40 I	43.76 I	7.93 I	821.28	1321.00	29.30	14.72	1416.3	0.47	1416.3	133.37
Jul 14, 7:00 PM	4.27	2154.36 I	41.98 I	7.33 I	758.32	1213.62	27.68	14.72	1392.4	0.43	1392.4	132.68
Jul 14, 8:00 PM	3.79	1945.38 I	38.49 I	6.37 I	741.25	1180.19	26.18	14.72	1407.1	0.42	1407.1	131.14
Jul 14, 9:00 PM	3.66	1917.26 I	37.36 I	6.01 I	725.24	1150.77	25.20	14.72	1414.6	0.41	1414.6	129.21
Jul 14, 10:00 PM	3.47	1809.31 I	36.66 I	5.62 I	728.26	1156.14	25.32	14.72	1398.2	0.41	1398.2	127.23
Jul 14, 11:00 PM	3.43	1749.04 I	36.07 I	5.15 I	744.04	1180.73	25.18	14.72	1405.2	0.42	1405.2	124.46
Jul 15, 12:00 AM	3.38	1810.32 I	36.53 I	4.30 I	713.39	1131.11	24.94	14.72	1410.6	0.40	1410.6	121.64
Jul 15, 1:00 AM	3.76	1978.63 I	37.11 I	3.58 I	724.42	1146.84	24.48	14.72	1416.3	0.41	1416.3	119.25
Jul 15, 2:00 AM	3.64	1915.66 I	40.06 I	3.58 I	722.60	1143.82	24.50	14.72	1416.4	0.41	1416.4	117.25
Jul 15, 3:00 AM	3.17	1725.48 I	38.17 I	3.56 I	696.54	1101.94	24.30	14.72	1391.1	0.39	1391.1	114.91
Jul 15, 4:00 AM	3.40	1761.10 I	37.88 I	3.52 I	734.34	1159.43	23.71	14.72	1396.5	0.41	1396.5	112.67
Jul 15, 5:00 AM	3.80	1955.18 I	37.56 I	3.62 I	739.76	1165.80	23.21	14.72	1434.3	0.42	1434.3	111.67
Jul 15, 6:00 AM	3.53	1846.57 I	38.89	3.53 I	727.17	1147.24	23.49	14.72	1419.1	0.41	1419.1	109.90
Jul 15, 7:00 AM	2.59	1235.45 I	55.02 I	35.71 I	787.19	1244.71	24.09	14.72	815.5	0.44	1397.3	107.46
Jul 15, 8:00 AM	5.77	2313.92 I	42.58	6.17	938.58	1484.28	24.10	14.72	1391.4	0.53	1391.4	107.38
Jul 15, 9:00 AM	SM	SM	SM	SM	777.85	1226.36	23.30	14.72	SM	0.44	SM	101.70
Jul 15, 10:00 AM	4.65	2161.88	35.94	4.16	818.44	1290.28	23.20	14.72	978.1	0.46	978.1	100.29
Jul 15, 11:00 AM	8.36	4106.72	43.92	6.16	774.06	1223.71	23.01	14.67	1397.1	0.44	1397.1	102.69
Jul 15, 12:00 PM	16.13	7344.58	59.62	9.58	843.26	1336.91	23.28	14.64	1390.0	0.48	1390.0	112.66
Jul 15, 1:00 PM	20.65	9938.74	69.56	12.15	803.51	1275.65	23.79	14.64	1404.8	0.46	1404.8	127.87
Jul 15, 2:00 PM	21.99	10175.34	71.85	13.20	835.64	1329.96	26.09	14.72	1385.4	0.47	1385.4	144.84
Jul 15, 3:00 PM	24.24	11056.26	79.05	13.91	846.11	1358.22	28.59	14.72	1399.3	0.48	1399.3	163.72
Jul 15, 4:00 PM	32.27	14538.27	96.38	18.69	863.04	1385.83	28.81	14.72	1397.9	0.49	1397.9	190.13
Jul 15, 5:00 PM	28.82	11726.00	79.93	15.71	935.42	1500.23	28.41	14.72	1410.7	0.54	1410.7	213.55
Jul 15, 6:00 PM	23.35	10251.89	73.12	14.30	878.70	1413.94	29.33	14.72	1392.0	0.50	1392.0	232.12
Jul 15, 7:00 PM	26.60	9256.42	67.04	13.01	1127.26	1812.49	29.29	14.72	1458.1	0.65	1458.1	254.45
Jul 15, 8:00 PM	17.44	7190.78	56.72	10.30	940.43	1501.29	27.44	14.75	1615.7	0.54	1615.7	268.10
Jul 15, 9:00 PM	17.26	8382.26	62.41	11.17	794.47	1259.19	24.99	14.73	1428.3	0.45	1428.3	281.70
Jul 15, 10:00 PM	48.52	13669.17	85.00	16.84	1221.50	1932.25	24.18	14.72	1365.5	0.69	1365.5	326.75
Jul 15, 11:00 PM	33.81	8195.35	54.67	12.57	1592.89	2518.72	23.81	14.70	1286.6	0.90	1286.6	357.13
Jul 16, 12:00 AM	13.21	4461.14	34.58	7.16	1124.70	1771.68	22.48	14.70	1279.9	0.63	1279.9	366.96
Jul 16, 1:00 AM	5.83	2868.17	30.84	3.64	780.71	1225.88	21.98	14.71	1401.6	0.44	1401.6	369.03
Jul 16, 2:00 AM	7.26	3638.20	37.08	4.02	769.36	1208.90	22.21	14.72	1390.3	0.44	1390.3	372.65
Jul 16, 3:00 AM	9.23	4655.30	43.72	5.42	762.80	1200.18	22.59	14.72	1388.0	0.43	1388.0	378.71
Jul 16, 4:00 AM	10.16	4845.71	45.47	6.34	807.51	1272.08	22.95	14.72	1368.5	0.45	1368.5	385.47
Jul 16, 5:00 AM	10.70	5181.34	43.51	7.31	794.87	1252.67	23.05	14.71	1381.5	0.45	1381.5	392.37
Jul 16, 6:00 AM	11.22	5370.89	46.61	7.47	804.46	1268.21	23.21	14.72	1386.5	0.45	1386.5	400.05
Jul 16, 7:00 AM	11.92	5557.76	46.62	7.42	827.01	1306.07	23.67	14.71	1384.9	0.47	1384.9	409.38
Jul 16, 8:00 AM	13.06	5660.70	47.48	7.70	887.42	1407.44	24.87	14.71	1381.0	0.50	1381.0	416.67
Jul 16, 9:00 AM	11.44	5208.75	46.31	7.39	844.65	1345.63	26.22	14.71	1386.7	0.48	1386.7	428.10
Jul 16, 10:00 AM	10.21	5117.00	46.40	7.39	765.67	1218.74	25.97	14.72	1388.7	0.44	1388.7	433.67
Jul 16, 11:00 AM	10.36	4782.78	42.70	6.54	834.36	1315.94	23.07	14.70	1459.4	0.47	1459.4	435.67
Jul 16, 12:00 PM	14.76	5425.58	43.86	7.61	1045.05	1662.17	25.11	14.67	1479.9	0.59	1479.9	434.30
Jul 16, 1:00 PM	13.8	5323.8	45.4	7.7	1001.1	1612.2	29.9	14.7	1517.3	0.6	1517.3	427.48
Jul 16, 2:00 PM	12.7	5241.8	46.2	8.5	931.5	1529.7	35.6	14.7	1480.8	0.5	1480.8	418.16
Jul 16, 3:00 PM	14.2	5561.6	49.6	9.7	983.4	1601.1	33.0	14.7	1470.9	0.6	1470.9	408.15
Jul 16, 4:00 PM	18.4	6963.0	55.0	11.4	1016.7	1641.4	30.4	14.7	1449.6	0.6	1449.6	394.31
Jul 16, 5:00 PM	19.3	6784.9	51.4	10.6	1104.3	1773.2	29.0	14.7	1534.3	0.6	1534.3	384.83
Jul 16, 6:00 PM	22.5	8937.5	57.8	13.2	975.1	1565.5	28.9	14.7	1477.3	0.6	1477.3	384.01
Jul 16, 7:00 PM	21.7	10360.1	62.5	14.3	806.8	1287.1	26.9	14.7	1434.6	0.5	1434.6	379.16
Jul 16, 8:00 PM	20.8	10019.3	59.3	13.5	802.3	1264.7	23.4	14.7	1452.7	0.5	1452.7	382.50
Jul 16, 9:00 PM	25.1	11682.8	61.1	14.3	829.5	1302.0	22.1	14.7	1435.7	0.5	1435.7	390.32
Jul 16, 10:00 PM	29.3	13450.8	67.2	14.7	843.4	1323.0	21.9	14.7	1440.1	0.5	1440.1	371.12
Jul 16, 11:00 PM	28.2	13167.9	65.6	15.1	827.5	1298.6	22.0	14.7	1445.4	0.5	1445.4	365.50
	28.3	13161.1	65.9	14.8	830.8	1303.1	21.9	14.7	1466.8	0.5	1466.8	380.55
Jul 17, 12:00 AM		12920.2	65.1	14.3	756.0	1183.6	21.2	14.7	1431.5	0.4	1431.5	399.95
	25.2										1433.0	421.65
Jul 17, 1:00 AM				13.4	812.3	12/4.0	21.2	14.7	1433.0	ບ.ຄ		
Jul 17, 1:00 AM Jul 17, 2:00 AM	29.0	13780.9	66.5	13.4 13.8	812.3 812.2	1274.6 1274.2	21.2 21.2	14.7 14.7	1433.0 1425.4	0.5 0.5		441.05
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM	29.0 28.6	13780.9 13584.7	66.5 66.3	13.8	812.2	1274.2	21.2	14.7	1425.4	0.5	1425.4	441.05 459.81
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM	29.0 28.6 28.9	13780.9 13584.7 12253.2	66.5 66.3 60.4	13.8 13.6	812.2 912.8	1274.2 1436.3	21.2 21.4	14.7 14.7	1425.4 1412.8	0.5 0.5	1425.4 1412.8	459.81
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM	29.0 28.6 28.9 24.3	13780.9 13584.7 12253.2 11182.8	66.5 66.3 60.4 56.1	13.8 13.6 12.7	812.2 912.8 838.6	1274.2 1436.3 1314.0	21.2 21.4 21.4	14.7 14.7 14.7	1425.4 1412.8 1453.3	0.5 0.5 0.5	1425.4 1412.8 1453.3	459.81 473.40
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM	29.0 28.6 28.9 24.3 22.8	13780.9 13584.7 12253.2 11182.8 10757.0	66.5 66.3 60.4 56.1 55.9	13.8 13.6 12.7 12.6	812.2 912.8 838.6 820.9	1274.2 1436.3 1314.0 1283.7	21.2 21.4 21.4 20.9	14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5	0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5	459.81 473.40 485.00
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM	29.0 28.6 28.9 24.3 22.8 25.0	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9	66.5 66.3 60.4 56.1 55.9 54.2	13.8 13.6 12.7 12.6 11.8	812.2 912.8 838.6 820.9 893.2	1274.2 1436.3 1314.0 1283.7 1396.5	21.2 21.4 21.4 20.9 20.8	14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3	0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1	459.81 473.40 485.00 498.05
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM Jul 17, 8:00 AM	29.0 28.6 28.9 24.3 22.8 25.0 24.1	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9 10840.0	66.5 66.3 60.4 56.1 55.9 54.2 54.3	13.8 13.6 12.7 12.6 11.8 12.1	812.2 912.8 838.6 820.9 893.2 858.7	1274.2 1436.3 1314.0 1283.7 1396.5 1344.6	21.2 21.4 21.4 20.9 20.8 21.3	14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3 1422.8	0.5 0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1 1422.8	459.81 473.40 485.00 498.05 509.10
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM Jul 17, 8:00 AM Jul 17, 8:00 AM	29.0 28.6 28.9 24.3 22.8 25.0 24.1 20.5	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9 10840.0 9604.9	66.5 66.3 60.4 56.1 55.9 54.2 54.3	13.8 13.6 12.7 12.6 11.8 12.1	812.2 912.8 838.6 820.9 893.2 858.7 824.5	1274.2 1436.3 1314.0 1283.7 1396.5 1344.6 1291.1	21.2 21.4 21.4 20.9 20.8 21.3 21.3	14.7 14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3 1422.8 1423.4	0.5 0.5 0.5 0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1 1422.8 1423.4	459.81 473.40 485.00 498.05 509.10 518.15
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM Jul 17, 9:00 AM Jul 17, 9:00 AM	29.0 28.6 28.9 24.3 22.8 25.0 24.1 20.5 23.2	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9 10840.0 9604.9 9641.7	66.5 66.3 60.4 56.1 55.9 54.2 54.3 52.6 52.8	13.8 13.6 12.7 12.6 11.8 12.1 11.6 11.5	812.2 912.8 838.6 820.9 893.2 858.7 824.5 927.4	1274.2 1436.3 1314.0 1283.7 1396.5 1344.6 1291.1 1457.1	21.2 21.4 21.4 20.9 20.8 21.3 21.3 22.2	14.7 14.7 14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3 1422.8 1423.4 1409.1	0.5 0.5 0.5 0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1 1422.8 1423.4 1409.1	459.81 473.40 485.00 498.05 509.10 518.15 531.11
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 2:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM Jul 17, 8:00 AM Jul 17, 10:00 AM Jul 17, 10:00 AM	29.0 28.6 28.9 24.3 22.8 25.0 24.1 20.5 23.2 22.0	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9 10840.0 9604.9 9641.7 10031.8	66.5 66.3 60.4 56.1 55.9 54.2 54.3 52.6 52.8	13.8 13.6 12.7 12.6 11.8 12.1 11.6 11.5	812.2 912.8 838.6 820.9 893.2 858.7 824.5 927.4	1274.2 1436.3 1314.0 1283.7 1396.5 1344.6 1291.1 1457.1 1336.8	21.2 21.4 21.4 20.9 20.8 21.3 21.3 22.2 24.3	14.7 14.7 14.7 14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3 1422.8 1423.4 1409.1 1427.9	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1 1422.8 1423.4 1409.1 1427.9	459.81 473.40 485.00 498.05 509.10 518.15 531.11 542.72
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM Jul 17, 8:00 AM Jul 17, 10:00 AM Jul 17, 11:00 AM Jul 17, 11:00 AM	29.0 28.6 26.9 24.3 22.8 25.0 24.1 20.5 23.2 22.0 22.6	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9 10840.0 9604.9 9641.7 10031.8 9813.1	66.5 66.3 60.4 56.1 55.9 54.2 54.3 52.6 52.8 55.6	13.8 13.6 12.7 12.6 11.8 12.1 11.6 11.5 12.8	812.2 912.8 838.6 820.9 893.2 858.7 824.5 927.4 845.1 891.0	1274.2 1436.3 1314.0 1283.7 1396.5 1344.6 1291.1 1457.1 1336.8 1421.5	21.2 21.4 21.4 20.9 20.8 21.3 21.3 22.2 24.3 26.8	14.7 14.7 14.7 14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3 1422.8 1423.4 1409.1 1427.9 1412.8	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1 1422.8 1423.4 1409.1 1427.9	459.81 473.40 485.00 498.05 509.10 518.15 531.11 542.72 550.57
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM Jul 17, 9:00 AM Jul 17, 10:00 AM Jul 17, 10:00 AM Jul 17, 10:00 AM	29.0 28.6 28.9 24.3 22.8 25.0 24.1 20.5 23.2 22.0 22.6 19.6	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9 10840.0 9604.9 9641.7 10031.8 9813.1	66.5 66.3 60.4 56.1 55.9 54.2 54.3 52.6 52.8 55.6 55.2	13.8 13.6 12.7 12.6 11.8 12.1 11.6 11.5 12.8 12.5	812.2 912.8 838.6 820.9 893.2 858.7 824.5 927.4 845.1 891.0	1274.2 1436.3 1314.0 1283.7 1396.5 1344.6 1291.1 1457.1 1336.8 1421.5	21.2 21.4 21.4 20.9 20.8 21.3 21.3 22.2 24.3 26.8 31.1	14.7 14.7 14.7 14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3 1422.8 1423.4 1409.1 1427.9 1412.8 1407.5	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1 1422.8 1423.4 1409.1 1427.9 1412.8	459.81 473.40 485.00 498.05 509.10 518.15 531.11 542.72 550.57 556.35
Jul 17, 1:00 AM Jul 17, 2:00 AM Jul 17, 3:00 AM Jul 17, 4:00 AM Jul 17, 5:00 AM Jul 17, 6:00 AM Jul 17, 7:00 AM Jul 17, 8:00 AM Jul 17, 10:00 AM Jul 17, 11:00 AM Jul 17, 11:00 AM	29.0 28.6 26.9 24.3 22.8 25.0 24.1 20.5 23.2 22.0 22.6	13780.9 13584.7 12253.2 11182.8 10757.0 10661.9 10840.0 9604.9 9641.7 10031.8 9813.1	66.5 66.3 60.4 56.1 55.9 54.2 54.3 52.6 52.8 55.6	13.8 13.6 12.7 12.6 11.8 12.1 11.6 11.5 12.8	812.2 912.8 838.6 820.9 893.2 858.7 824.5 927.4 845.1 891.0	1274.2 1436.3 1314.0 1283.7 1396.5 1344.6 1291.1 1457.1 1336.8 1421.5	21.2 21.4 21.4 20.9 20.8 21.3 21.3 22.2 24.3 26.8	14.7 14.7 14.7 14.7 14.7 14.7 14.7 14.7	1425.4 1412.8 1453.3 1426.5 1387.3 1422.8 1423.4 1409.1 1427.9 1412.8	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1425.4 1412.8 1453.3 1426.5 1415.1 1422.8 1423.4 1409.1 1427.9	459.81 473.40 485.00 498.05 509.10 518.15 531.11 542.72 550.57

APT COUNTY 13	Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	rbonyl Sulfide Car (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Mail									14.7				562.19
Math	Jul 17, 5:00 PM	13.3	6016.3	46.5	10.5	851.8	1366.8	28.7	14.7	1451.0	0.5	1451.0	556.19
July 1600 May 10 576 1 307 76 800 17757 775 147 14708 0.0 14109 8200 1471 1470 14708 1 307 4775 3 373 775 8 345 1771 1470 May 10 12 6444 367 771 14708 1 10 12 6444 367 771 1470 May 10 12 6444 367 1470 May 10 1470 May 1	Jul 17, 6:00 PM	11.1	5446.7		9.7	777.6		26.4	14.7		0.4	1442.2	
July 1920 PM	Jul 17, 7:00 PM	11.1	5336.9	41.2	8.4	797.5	1253.3	22.4	14.7	1428.1	0.4	1428.1	534.04
AUT 1500 PM	Jul 17, 8:00 PM	11.0	5219.1	38.7	7.6	810.4	1273.7	22.5	14.7	1413.9	0.5	1413.9	524.22
J. 17, 17, 100 PM 10.2 10.2 10.3	Jul 17, 9:00 PM	9.7	4772.8	37.3	6.7	784.5	1231.4	22.2	14.7	1428.5	0.4	1428.5	508.85
July 1, 120 AM	Jul 17, 10:00 PM	9.8	4780.3	36.5	6.9	788.1	1233.6	21.2	14.7	1424.8	0.4	1424.8	489.30
Julis 100 AM 101 102 103 104 105 105 107 105 105 105 105 105	Jul 17, 11:00 PM	10.2	5141.4	36.7	7.1	764.4	1193.0	20.3	14.7	1424.2	0.4	1424.2	471.28
July 15-2004M	Jul 18, 12:00 AM	10.0	5659.9	37.0	7.1	678.0	1054.4	19.2	14.7	1409.8	0.4	1409.8	452.98
Amily 100 PM Sept 1977 26.8 55 74.1 110.4 17.0 14.7 147.5 0.4	Jul 18, 1:00 AM	10.6	5741.0	38.5	6.6	711.5	1103.8	18.5	14.7	1426.9	0.4	1426.9	438.35
Authority Auth	Jul 18, 2:00 AM	10.1	5417.3	37.7	5.8	715.2	1107.3	17.9	14.7	1441.0	0.4	1441.0	419.45
M. H. 600AM													
JA H. 1, 50,00 AM													
July 18,000 MM													
Aut 18, 200 AM													
Add 19,800 MM													
July 18,939 AM 12,9 5138 50 61 1996 1932 20,9 14.7 1402 0.0 1402 300.0 July 11,000 AM 16,5 6396 60,3 61,1 1903 1903 1805 14.7 1402 0.0 1402 300.0 July 11,000 AM 16,5 6396 60,3 61,7 1913 1596 62,0 14.7 1402 0.0 1402 300.0 July 18,000 PM 92 2043 30.6 67 811,8 1597,5 30.9 14.7 1403 0.0 1404 1406 July 18,000 PM 80 3024,0 30.0 67 811,8 1597,5 30.9 14.7 1403 0.5 1403 1403 July 18,000 PM 80 3024,0 30.0 67 811,8 1597,5 30.9 14.7 1403 0.5 1403 1403 July 18,000 PM 80 3024,0 30.0 67 811,8 1597,5 30.9 14.7 1403 0.5 1403 1403 1403 July 18,000 PM 80 3024,0 30.0 67 811,8 1597,5 30.9 14.7 1403 0.5 1403 1403 1403 July 18,000 PM 80 3024,0 30.0 67 811,8 1597,5 30.9 14.7 1403 0.5 1403													
July 15 1000 MM													
July 11, 120 PM 10 472.3 28.1 79 971.0 1506.4 28.0 14.7 469.1 0.0 1406.4 28.0 24.0 14.1 14.1 14.0 PM 10.0 14.2 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0													
AM TIS (200 PM													
Aut 18, 100 PM													
Jul 18, 200 PM	Jul 18, 12:00 PM		4328.3		7.3	976.3			14.7		0.6	1402.4	
AM 18, 3,00PM	Jul 18, 1:00 PM	9.2	3634.3	35.6	6.7	978.7	1583.9	30.9	14.7	1408.9	0.6	1408.9	274.31
Jul 18, 000 PM 78 2007 2 366 0.6 914.6 1402.2 125.5 147 1404.4 0.6 1404.4 2486.5 134.4 Jul 18, 000 PM 78 2007.2 346 0.6 914.6 1403.5 27.5 147 142.2 0.5 134.5 244.1 Jul 18, 000 PM 78 2007.2 346 0.6 914.6 1403.5 26.5 147 142.2 0.5 1403.3 22.0 1403.3 20.0 1403.	Jul 18, 2:00 PM	8.8	3624.8	36.0	6.7	931.8	1507.5	30.9	14.7	1423.7	0.5	1423.7	265.04
Jul 18, 500 PM	Jul 18, 3:00 PM	9.0	3563.8	35.8	6.6	965.3	1555.2	29.6	14.7	1411.3	0.6	1411.3	256.91
Jul 18, 500 PM	Jul 18, 4:00 PM	8.8	3428.3	35.8	6.8	982.2	1579.2	28.9	14.7	1404.4	0.6	1404.4	249.65
Jul 18, 000 PM	Jul 18, 5:00 PM	7.8	3287.2	34.6	6.6	914.6		27.5			0.5	1434.8	244.14
Jul 18, 700 PM								26.5			0.5		240.00
Jul 18, 800 PM													
Jul 18, 900 PM													
Jul 16, 1000 PM													
Jul 18, 1300 PM Jul 19, 1200 PM Jul 19, 1200 AM Jul 19, 1200 A													
Jul 19, 12:00 AM													
Jul 19, 100 AM 5.5 Jul 19, 300 AM 5.6 Jul 2004 Jul 19, 300 AM 7.1 Jul 19, 300 AM 8.5 Jul 19, 300 AM 8.5 Jul 19, 500 AM 8.5 Jul 19, 500 AM 8.5 Jul 19, 500 AM 8.5 Jul 19, 700 AM 9.5 Jul 19, 700 AM 10.5 Jul 19, 700 AM 10.6 Jul 19, 700 A	·												
Jul 19, 200 AM 68 32882 316 40 768 9 12220 15.1 14.7 14928 0.4 14301 20478 Jul 19, 300 AM 7.1 38785 32.1 4.4 7619 11659 14.5 14.7 1428 0.4 1428 0.4 1428 20234 Jul 19, 400 AM 8.0 30470 33.3 5.1 776.2 1186.4 13.0 14.7 14218 0.4 1419.9 2014 Jul 19, 600 AM 8.5 4281.1 32.7 4.9 762.3 1162.4 13.4 14.7 14218 0.4 1419.9 2014 Jul 19, 600 AM 7.4 38645 31.6 4.5 781.0 1189.8 13.2 14.7 1418.7 0.4 1418.7 190.8 Jul 19, 600 AM 7.4 38645 31.6 4.5 781.0 1189.8 13.2 14.7 1418.7 0.4 1418.7 190.8 Jul 19, 600 AM 12.7 4300.9 37.0 5.8 1075.0 1608.4 16.6 14.7 1403.8 0.6 1403.8 200.7 Jul 19, 600 AM 12.7 4300.9 37.0 5.8 1075.0 1608.4 16.6 14.7 1403.8 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 38.3 7.5 1052.2 1605.7 21.1 4.7 1404.4 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 38.3 7.5 1052.2 1605.7 21.1 4.7 1404.4 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 38.3 7.5 1052.2 1605.7 21.1 4.7 1403.8 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 38.3 7.5 1052.2 1605.7 21.1 4.7 1404.4 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 40.8 3.3 7.5 1052.2 1605.7 21.1 4.7 1403.8 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 40.8 3.3 7.5 1052.2 1605.7 21.1 4.7 1403.8 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 40.8 3.3 7.5 1052.2 1605.7 21.1 4.7 1403.8 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 40.8 3.3 7.5 1052.2 1605.7 21.1 4.7 1403.8 0.6 1403.8 200.7 Jul 19, 600 AM 10.6 4261.3 40.8 3.3 9.8 47.8 152.9 3.0 4.7 14.7 1440.1 0.6 1403.8 200.8 Jul 19, 600 AM 10.6 4261.3 40.8 3.3 9.8 47.8 152.9 3.0 4.7 14.7 1441.1 0.6 1403.8 1603.8 Jul 19, 100 AM 10.6 4261.3 40.8 3.3 9.8 48.8 3.8 48.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8													
Jul 19, 300 AM													
Jul 19, 400 AM Jul 19, 500 AM Jul 19													
Jul 19, 500 AM													
Jul 19, 600 AM Jul 19	Jul 19, 4:00 AM	8.0	3947.0	33.3	5.1	776.2		13.9	14.7		0.4	1419.9	
Jul 19, 700 AM	Jul 19, 5:00 AM	8.5	4281.1	32.7	4.9	762.3	1162.4	13.4	14.7	1421.8	0.4	1421.8	200.95
Jul 19, 800 AM 127 4390 9 37.0 5.8 1075.0 1686.4 16.6 14.7 1403.8 0.6 1403.8 200.77 Jul 19, 900 AM 12.5 4888.4 36.3 7.5 1025.2 1605.7 21.1 14.7 1406.4 0.6 1404.4 190.38 Jul 19, 100 DAM 10.5 4281.5 39.3 7.0 947.9 1512.1 26.6 14.7 1416.3 0.5 1416.3 185.39 Jul 19, 110 DAM 10.5 4281.5 39.3 7.0 947.9 1512.1 26.6 14.7 1416.3 0.5 1416.3 185.39 Jul 19, 110 DAM 10.5 4281.5 39.3 7.0 947.9 1512.1 26.6 14.7 1416.3 0.5 1416.3 185.39 Jul 19, 120 DPM 11.0 4182.0 39.2 8.5 1016.6 1642.9 30.7 14.7 1419.1 0.6 1419.1 190.00 Jul 19, 100 DPM 11.2 449.1 44.0 9.9 978.8 1884.0 31.8 14.7 1419.1 0.6 1419.4 190.68 Jul 19, 200 DPM 11.4 4497.1 44.0 9.9 978.8 1584.0 31.8 14.7 1419.4 0.6 1419.4 190.65 Jul 19, 400 DPM 11.3 4302.0 42.8 9.4 1009.1 1628.4 30.0 14.7 1429.3 0.6 1449.3 190.65 Jul 19, 400 DPM 12.8 4894.4 43.4 10.2 1007.5 1611.8 27.7 14.7 1434.5 0.6 1449.3 200.4 Jul 19, 600 DPM 11.3 4306.6 41.8 9.6 978.7 1559.6 26.3 14.7 1446.7 0.6 1448.7 200.4 Jul 18, 600 DPM 10.3 4219.3 42.6 9.6 837.3 1499.9 25.8 14.7 1446.7 0.5 1448.7 22.83 Jul 18, 800 DPM 10.6 3849.6 40.5 8.8 1076.5 1707.3 24.8 14.7 1446.7 0.5 1487.5 200.4 Jul 18, 600 DPM 7.1 2946.8 35.4 6.7 918.7 147.2 20.4 14.7 1466.7 0.5 1487.5 22.83 Jul 19, 100 DPM 5.9 2853.5 28.8 6.1 948.1 147.2 142.2 20.1 14.8 1889.7 0.5 1688.7 22.10.3 Jul 19, 100 DPM 5.9 2853.5 28.8 6.1 948.1 147.2 142.2 20.1 14.8 1889.7 0.5 1688.7 22.10.3 Jul 19, 100 DPM 6.9 2853.5 28.8 6.1 948.1 147.2 142.2 20.1 14.8 1889.7 0.5 1688.7 22.10.3 Jul 19, 100 DPM 6.9 2853.5 28.8 6.1 948.1 147.9 20.4 14.7 1469.5 0.5 1688.7 22.10.3 Jul 19, 100 DPM 6.9 2853.5 28.8 6.1 948.1 147.9 20.4 14.7 1469.0 0.6 1488.0 22.25.3 Jul 19, 100 DPM 6.9 2853.5 28.8 6.1 948.1 147.9 20.4 14.7 1469.0 0.6 1489.0 22.25.3 Jul 20, 200 DAM 9.0 4488.9 35.6 6.5 780.6 786.8 116.9 14.7 1469.0 0.6 1489.0 22.25.3 Jul 20, 200 DAM 9.0 4488.9 35.6 6.5 780.6 786.8 116.9 14.7 1469.0 0.4 1469.0 22.25.8 Jul 20, 200 DAM 9.0 4488.9 35.0 5.7 74.3 816.0 1271.5 20.1 14.7 1469.0 0.4 1469.0 22.25.8 Jul 20, 200 DPM 8.8 356.7 414 8.3 946.6 5.5 786.8 1156.	Jul 19, 6:00 AM	7.4	3654.5	31.6	4.5	781.0	1189.8	13.2	14.7	1418.7	0.4	1418.7	199.86
Jul 19, 1900 AM Jul 19, 1900 A	Jul 19, 7:00 AM	8.3	3633.3	31.6	4.5	856.4	1308.3	13.8	14.7	829.9	0.5	1414.9	198.69
Jul 19, 1000 AM 10.5 426.15 39.3 7.0 947.9 1512.1 26.6 14.7 1416.3 0.5 1416.3 195.3 Jul 19, 1100 AM Jul 19, 1100 AM 10.5 4101.6 40.9 6.1 981.5 15819 30.8 14.7 14299 0.6 14299 0.6 14299 9.8 193.08 Jul 19, 1100 PM 11.0 4182.0 39.2 8.5 1016.6 1642.9 30.7 14.7 1419.1 0.6 1419.1 1940.0 Jul 19, 100 PM Jul 19, 100 PM 11.2 474.9 42.2 9.6 984.6 1616.8 31.9 14.7 149.1 0.6 1419.1 1940.0 Jul 19, 100 PM Jul 19, 200 PM 11.4 487.1 44.0 9.9 976.8 1580.0 31.8 14.7 1419.4 0.6 1419.4 190.6 Jul 19, 200 PM Jul 19, 200 PM Jul 19, 200 PM 11.3 4302.0 42.8 9.4 1009.1 1626.4 30.0 14.7 1429.3 0.6 1429.3 201.9 31.9 19.0 PM Jul 19, 200 PM Jul 20,	Jul 19, 8:00 AM	12.7	4390.9	37.0	5.8	1075.0	1658.4	16.6	14.7	1403.8	0.6	1403.8	200.77
Jul 19, 11:00 AM	Jul 19, 9:00 AM	12.5	4698.4	36.3	7.5	1025.2	1605.7	21.1	14.7	1404.4	0.6	1404.4	199.36
Jul 19, 1200 PM	Jul 19, 10:00 AM	10.5	4261.5	39.3	7.0	947.9	1512.1	26.6	14.7	1416.3	0.5	1416.3	195.39
Jul 19, 1200 PM	Jul 19, 11:00 AM	10.5	4101.6	40.9	6.1	981.5	1581.9	29.8	14.7	1429.9	0.6	1429.9	193.96
Jul 19, 100 PM 112, 4724 9 42, 2 9, 8 96, 4 1616, 8 31, 9 147, 1398, 7 0, 6 1388, 7 197, 00 Jul 19, 300 PM 113, 430, 20 42, 8 9, 4 100, 1 100, 5 1611, 8 147, 149, 4 0, 6 149, 4 149, 3 0, 6 1429, 3 1447, 1485, 7 0, 6 1446, 7 1446, 7 1446, 7 1446, 7 1446, 7 1446, 7 1447, 1446, 7 1447, 1446, 7 1448, 7 1449, 1													
Jul 19, 200 PM Jul 19, 200 PM Jul 19, 400 PM Jul 19													
Jul 19, 300 PM Jul 19, 300 PM Jul 19, 300 PM Jul 19, 400 PM Jul 19, 600 PM Jul 20, 600 PM Jul 20													
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Jul 19, 500 PM 11.3 4404.6 41.8 9.6 977 1559.6 26.3 14.7 1446.7 0.5 1448.7 0.5 1448.7 223.8 Jul 19, 500 PM 10.8 3849.6 40.5 8.8 1078.5 1707.3 24.8 14.7 1467.5 0.6 1467.5 1688.7 218.02 Jul 19, 800 PM 7.1 2946.8 35.4 6.7 918.7 1444.2 23.0 14.8 1688.7 0.5 1688.7 0.5 1688.7 128.03 Jul 19, 1000 PM 6.9 2853.5 28.8 6.1 945.1 1472.9 20.4 14.7 1526.1 0.6 1526.1 0.6 1526.1 20.3 Jul 19, 1000 PM 6.9 2853.5 28.8 6.1 945.1 1472.9 20.4 14.7 1354.9 0.5 1354.9 0.5 1354.9 221.5 Jul 20, 1000 PM 7.9 3731.6 35.1 6.9 740.5 1150.7 19.1 14.7 1430.6 0.4 1430.6 0.4 1430.6 225.9 Jul 20, 200.0 Jul 20, 200.0 30.0 30.0 488.9 37.2 60.0 758.8 1160.7 1160.7 1160.7 117.1 14.7 1480.0 0.4 1489.0 231.88 Jul 20, 1000.0 30.0 488.9 37.2 5.9 784.4 1205.3 Jul 20, 1000.0 8.4 14.7 1437.6 0.4 1457.1 0.4 1457.1 2356.8 Jul 20, 1000.0 38.8 1.6 37.9 38.6 37.2 5.9 784.4 1205.3 15.9 14.7 1													
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Jul 20, 12:00 AM													
Jul 20, 1:00 AM													
Jul 20, 2:00 AM													
Jul 20, 3:00 AM													229.75
Jul 20, 4:00 AM	Jul 20, 2:00 AM	8.7	4501.7		6.1	745.8	1150.7	17.1	14.7	1489.0	0.4	1489.0	231.68
Jul 20, 5:00 AM	Jul 20, 3:00 AM	9.0	4586.9	37.2	6.0	756.8	1164.9	16.4	14.7	1450.0	0.4	1450.0	233.60
Jul 20, 5:00 AM	Jul 20, 4:00 AM	9.5	4684.6	37.2	5.9	784.4	1205.3	15.9	14.7	1457.1	0.4	1457.1	235.18
Jul 20, 6:00 AM	Jul 20, 5:00 AM	8.4	4319.9	35.0	5.1	750.2	1151.0	15.4	14.7	1435.3	0.4	1435.3	235.11
Jul 20, 7:00 AM 9.0 4131.1 36.3 5.5 835.6 1285.1 15.9 14.7 1432.4 0.5 1432.4 236.58 Jul 20, 8:00 AM 9.8 4093.7 37.3 5.8 927.3 1441.2 18.9 14.7 1431.9 0.5 1431.9 233.70 Jul 20, 9:00 AM 10.4 3787.9 37.3 6.7 1053.7 1659.5 22.7 14.7 1415.7 0.6 1415.7 231.57 Jul 20, 10:00 AM 9.5 3720.5 37.0 9.0 977.5 1562.1 27.2 14.7 1427.8 0.6 1427.8 230.55 Jul 20, 11:00 AM 10.0 4049.6 38.6 8.6 948.5 1535.0 31.0 14.7 1457.9 0.6 1427.8 230.55 Jul 20, 12:00 PM 9.1 3644.4 40.0 8.6 955.5 1555.2 33.0 14.7 1457.9 0.6 1447.9 228.12 Jul 20, 10:00 PM 8.8 3585.7			4090.4										235.91
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Jul 20, 9:00 AM 10.4 378.9 37.3 6.7 1053.7 1659.5 22.7 14.7 1415.7 0.6 1415.7 231.57 Jul 20, 10:00 AM 9.5 3720.5 37.0 9.0 977.5 1562.1 27.2 14.7 1427.8 0.6 1427.8 230.55 Jul 20, 11:00 AM 10.0 4049.6 38.6 8.6 948.5 1535.0 31.0 14.7 1439.0 0.5 1439.0 230.06 Jul 20, 12:00 PM 9.1 3644.4 40.0 8.6 955.5 1555.0 31.0 14.7 1439.0 0.5 1439.0 230.06 Jul 20, 1:00 PM 8.8 3585.7 41.4 8.3 946.6 1545.9 34.1 14.7 1448.9 0.6 1448.9 224.72 Jul 20, 2:00 PM 8.3 3367.5 41.3 8.4 947.6 1545.7 33.7 14.7 1438.5 0.6 1438.5 221.62 Jul 20, 3:00 PM 8.0 3149.8													
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Jul 20, 6:00 PM 11.0 4520.6 45.4 10.3 936.2 1488.6 26.0 14.7 1459.1 0.5 1459.1 214.20 Jul 20, 7:00 PM 13.8 6289.2 51.5 12.8 846.2 1341.7 25.2 14.7 1459.5 0.5 1459.5 217.39 Jul 20, 8:00 PM 11.6 5279.4 44.5 9.6 840.2 1329.0 24.4 14.7 1468.3 0.5 1468.3 221.88 Jul 20, 9:00 PM 9.1 4419.7 41.0 7.9 789.5 1244.6 23.5 14.7 1460.9 0.4 1460.9 223.08 Jul 20, 10:00 PM 8.2 4078.9 38.9 7.2 777.3 1222.9 22.8 14.7 1431.6 0.4 1431.6 224.38													
Jul 20, 7:00 PM 13.8 6289.2 51.5 12.8 846.2 1341.7 25.2 14.7 1459.5 0.5 1459.5 217.39 Jul 20, 8:00 PM 11.6 5279.4 44.5 9.6 840.2 1329.0 24.4 14.7 1468.3 0.5 1468.3 221.88 Jul 20, 9:00 PM 9.1 4419.7 41.0 7.9 789.5 1244.6 23.5 14.7 1460.9 0.4 1460.9 223.08 Jul 20, 10:00 PM 8.2 4078.9 38.9 7.2 777.3 1222.9 22.8 14.7 1431.6 0.4 1431.6 224.38													
Jul 20, 8:00 PM 11.6 5279.4 44.5 9.6 840.2 1329.0 24.4 14.7 1468.3 0.5 1468.3 221.88 Jul 20, 9:00 PM 9.1 4419.7 41.0 7.9 789.5 1244.6 23.5 14.7 1460.9 0.4 1460.9 223.08 Jul 20, 10:00 PM 8.2 4078.9 38.9 7.2 777.3 1222.9 22.8 14.7 1431.6 0.4 1431.6 224.38	Jul 20, 6:00 PM	11.0	4520.6			936.2			14.7			1459.1	214.20
Jul 20, 9:00 PM 9.1 4419.7 41.0 7.9 789.5 1244.6 23.5 14.7 1460.9 0.4 1460.9 223.08 Jul 20, 10:00 PM 8.2 4078.9 38.9 7.2 777.3 1222.9 22.8 14.7 1431.6 0.4 1431.6 224.38	Jul 20, 7:00 PM	13.8	6289.2	51.5	12.8	846.2	1341.7	25.2	14.7	1459.5	0.5	1459.5	217.39
Jul 20, 9:00 PM 9.1 4419.7 41.0 7.9 789.5 1244.6 23.5 14.7 1460.9 0.4 1460.9 223.08 Jul 20, 10:00 PM 8.2 4078.9 38.9 7.2 777.3 1222.9 22.8 14.7 1431.6 0.4 1431.6 224.38	Jul 20, 8:00 PM	11.6	5279.4	44.5	9.6	840.2	1329.0	24.4	14.7	1468.3	0.5	1468.3	221.88
Jul 20, 10:00 PM 8.2 4078.9 38.9 7.2 777.3 1222.9 22.8 14.7 1431.6 0.4 1431.6 224.38	Jul 20, 9:00 PM		4419.7			789.5	1244.6	23.5		1460.9	0.4	1460.9	223.08
													224.38
	Jul 20, 11:00 PM	7.8	3828.6	36.7	6.4	782.2	1227.8	22.0	14.7	1418.3	0.4	1418.3	224.25

Common	Component	SO2 Mass Rate	Hudrogen Co	rhanyl Sulfida Car	han Digulfida	NFlow	Flare Velocity	Flare	Flare Pressure	Net Heating	Flare Tip	South NHV/oz	SO2 Mass Bata
May 1,500,MM	Component		Sulfide					Temperature		Value	Velocity		
MUTE 120-044 72 278-5 927 41 7467 110-2 15-6 157 141-2 0.4 141-5 0									14.7		0.4		
Martin M													
July 1,400 May M													
July 1999 194													
July	Jul 21, 4:00 AM												
Aut													
July 1,889 AM													
July 1, 1909 March 10 3900.6 33.0 5.4 86.8 198.5 34.0 14.7 140.27 0.5 140.37 21.55 140.37	Jul 21, 7:00 AM												
June	Jul 21, 8:00 AM												
July 1,100 MM													
AJ21, 1200PM													
July 11-109 PM	Jul 21, 11:00 AM	7.8	3185.0	37.3	5.9	944.7	1521.1	29.6	14.7	1422.3	0.5	1422.3	208.58
July 1,200 PM	Jul 21, 12:00 PM	8.2	3419.0	38.5	6.6	924.2	1500.4	32.2	14.7	1415.6	0.5	1415.6	207.73
June 1, 20 19 19 19 19 19 19 19 1	Jul 21, 1:00 PM	9.6	3584.8	38.4	6.4	1047.2	1707.7	33.6	14.7	1419.0	0.6	1419.0	208.49
AJ 1,000PM	Jul 21, 2:00 PM	8.9	1682.2	28.9	3.7	2055.5	3335.6	33.3	14.8	1827.1	1.2	1827.1	209.07
July 1, 500 PM	Jul 21, 3:00 PM	5.4	1681.1	30.1	3.6	1224.7	1980.6	32.1	14.8	1769.2	0.7	1769.2	206.44
AJ 1, 150 PM	Jul 21, 4:00 PM	6.7	2341.5	36.4	4.7	1100.2	1772.5	30.6	14.8	1728.7	0.6	1728.7	203.73
July 12, Tropper 52 2000 30.4 4.2 88.4 14128 27.4 147 168.1 0.5 169.3 1818	Jul 21, 5:00 PM	7.2	2678.4	37.0	4.8	1033.1	1658.7	29.5	14.8	1697.7	0.6	1697.7	201.15
Jul 21,000 PM	Jul 21, 6:00 PM	6.5	2538.1	37.0	4.2	987.1	1582.6	29.0	14.8	1670.1	0.6	1670.1	196.71
AJ 21, 500 PM	Jul 21, 7:00 PM	5.8	2500.9	36.4	4.2	885.4	1412.9	27.4	14.7	1609.1	0.5	1609.1	188.68
July 11:00 PM	Jul 21, 8:00 PM	5.2	2456.3	34.6	3.5	815.8	1296.3	25.9	14.7	1519.6	0.5	1519.6	182.35
July 11:100 PM	Jul 21, 9:00 PM	4.8	2257.9	32.2	3.1	816.5	1291.3	24.5	14.7	1478.5	0.5	1478.5	178.09
July 22,700 AM	Jul 21, 10:00 PM	4.8	2365.0	32.5	3.5	777.6	1226.8	23.7	14.7	1470.6	0.4	1470.6	174.65
July 22, 1000 AM	Jul 21, 11:00 PM	5.3	2617.6	31.5	3.3	779.2	1227.6	23.3	14.7	1434.7	0.4	1434.7	172.18
July 22, 1000 AM													
Jul 22 200 AM											0.4		
Jul 22, 300 AM											0.4		
July 22-000 AM													
July 22, 000 AM	Jul 22, 4:00 AM	4.5	2231.6	30.1	2.3	782.1	1216.5	19.4	14.7	1428.5	0.4	1428.5	158.32
July 22, 700 AM	Jul 22, 5:00 AM	5.1	2568.3	29.7	2.0	771.0	1197.4	18.8	14.7	1421.9	0.4	1421.9	155.02
July 22, 700 AM													
Jul 22, ROO AM													
July 22, 900 AM			2412.4		2.7						0.5	1456.9	
Jul 22, 1000 AM													
Jul 22, 1100 MM													
Jul 22, 120 PM 6.5 2897.3 35.7 5.5 521.2 1513.0 35.8 14.7 1455.5 0.5 1455.5 142.45 Jul 22, 120 PM 6.5 2822.5 36.4 6.3 390.4 1625.5 35.7 31.47 1452.6 0.6 1461.6 138.91 Jul 22, 200 PM 6.5 2822.5 36.4 6.3 390.4 1625.5 35.7 31.47 1452.6 0.6 1462.6 135.54 Jul 22, 300 PM 6.0 2345.9 36.9 5.0 390.6 1512.7 33.3 14.7 1504.6 0.6 1564.6 1375.30 Jul 22, 400 PM 6.0 2345.9 35.1 5.3 3980.0 1592.4 30.9 14.7 1504.6 0.6 1554.6 136.61 Jul 22, 500 PM 5.0 2226.5 33.8 4.3 866.6 1390.7 27.1 1477.8 0.5 1477.8 133.44 Jul 22, 100 PM 6.4 3086.6 33.9 4.3 792.7 1267.1 250.9 14.7 1477.8 0.5 1477.8 133.44 Jul 22, 100 PM 6.4 3086.6 33.9 4.3 792.7 1267.1 250.9 14.7 1446.5 0.5 1446.6 134.22 Jul 22, 100 PM 4.4 2199.2 32.3 2.8 764.0 1196.2 21.5 14.7 1446.8 0.4 1446.6 134.22 Jul 22, 100 PM 4.4 2199.2 32.3 2.8 764.0 1196.2 21.5 14.7 1442.8 0.4 1442.8 Jul 22, 100 DM 4.4 2199.2 32.3 2.8 764.0 1196.2 21.5 14.7 1420.4 0.5 1424.0 Jul 22, 100 DM 4.4 2199.2 32.3 2.8 764.0 1196.2 21.5 14.7 1420.0 0.5 1420.4 Jul 22, 100 DM 4.4 2199.2 32.3 2.8 764.0 1196.2 21.5 14.7 1420.0 0.5 1420.4 Jul 22, 100 DM 4.9 2767.5 31.0 3.3 264.5 1283.0 19.4 14.7 1420.0 0.5 1420.4 Jul 22, 100 DM 4.9 2767.5 31.0 3.3 264.5 1283.0 19.4 14.7 1420.0 0.5 1420.4 Jul 22, 200 AM 4.1 2026.8 20.0 1.3 765.7 1216.4 18.5 14.7 1440.9 0.4 1442.8 133.50 Jul 22, 400 AM 4.1 2026.8 20.0 1.3 765.7 1216.4 18.5 14.7 1441.0 0.5 14.7 14.0 Jul 22, 400 AM 4.5 2265.2 227.7 2.6 1.1 776.0 120.2 17.7 14.7 14.0 0.5 14.1 14.0 Jul 22, 500 DM 6.5 2655.2 265.1 26.5 1.1 7.8 7.8 7.2 14.7 14.0 0.5 14.1 14.0 Jul 22, 500 DM 6.5 365.5 36.5													
Jul 22-100 PM													
Jul 22, 200 PM 6.5 2522.5 36.4 5.3 990.4 1625.5 35.7 14.7 1452.8 0.6 1452.6 136.54 Jul 23, 300 PM 6.1 2339.3 38.9 5.0 990.6 1012.7 33.3 14.7 159.64 0.6 159.64 136.61 Jul 22, 600 PM 6.0 2345.9 30.1 6.3 986.0 1592.4 30.9 14.7 1594.6 0.6 1594.6 136.61 Jul 22, 600 PM 5.0 2229.6 33.8 4.3 865.6 1380.7 27.1 14.7 1477.8 0.5 1477.8 133.59 Jul 22, 700 PM 5.6 2446.6 33.1 4.5 874.5 1388.6 25.9 14.7 1477.8 0.5 1477.8 133.59 Jul 22, 700 PM 6.4 3086.6 33.9 4.3 796.7 1267.1 25.9 14.7 1469.5 0.5 1447.8 133.59 Jul 22, 100 PM 4.4 2199.2 32.3 2.8 764.0 1196.2 21.5 14.7 1442.8 0.4 1442.8 1442.8 Jul 22, 100 PM 4.4 2199.2 32.3 2.8 764.0 1196.2 21.5 14.7 1442.8 0.4 1442.8 133.59 Jul 23, 120 DM 5.9 2757.5 31.0 3.3 824.5 1283.0 19.4 14.7 1420.4 0.5 1420.4 133.28 Jul 23, 120 DM 5.9 2757.5 31.0 3.3 824.5 1283.0 19.4 14.7 1420.4 0.5 1420.4 134.28 Jul 23, 200 DM 4.1 2026.8 23.0 13.7 765.7 1216.4 18.5 14.7 1440.9 0.4 1441.2 133.39 Jul 23, 200 DM 4.1 2026.8 23.0 13.7 765.7 1216.4 18.5 14.7 1440.0 0.4 1441.2 133.39 Jul 23, 200 DM 4.1 2026.8 23.0 13.7 765.7 1216.4 18.5 14.7 1440.0 0.4 1440.9 134.82 Jul 23, 400 DM 3.9 1294.7 22.6 10.0 765.7 1216.4 18.5 14.7 1440.0 0.4 1440.9 132.29 Jul 23, 200 DM 46.0 2205.5 23.1 1.0 765.7 1216.4 18.5 14.7 1440.9 0.4 1440.9 132.29 Jul 23, 200 DM 46.0 2205.5 23.1 1.3 802.8 1244.4 17.8 14.7 1440.9 0.4 1440.9 132.29 Jul 23, 200 DM 46.0 2205.5 23.1 3.4 977.1 1266.8 20.5 14.7 14.1 14.0 0.5 14.1 14.0 Jul 23, 200 DM 5.8 2356.2 23.1 3.4 977.1 1266.8 20.5 14.7 14.1 14.0 0.5 14.1 14.0 Jul 23, 200 DM 5.8 2356.2 23.													
Jul 22, 100 PM 6.1 22839 38.9 5.0 990.6 1912.7 33.3 14.7 1506.4 0.6 1506.4 1373.0 Jul 22, 400 PM 5.7 2290.2 35.5 4.9 878.1 1406.7 28.5 14.7 1518.1 0.5 1515.1 135.0 Jul 22, 600 PM 5.0 2229.6 33.8 4.3 805.6 1380.7 28.5 14.7 1518.1 0.5 1515.1 135.0 Jul 22, 600 PM 5.6 2248.6 35.1 4.5 874.5 1388.6 25.9 14.7 1477.8 0.5 1477.8 133.4 Jul 22, 800 PM 6.4 308.6 33.9 4.3 799.7 1287.1 140.5 1477.8 13.5 Jul 22, 100 PM 4.5 2281.5 32.2 3.0 734.9 1160.3 23.9 14.7 1446.6 0.4 1446.8 134.22 Jul 22, 100 PM 4.5 2281.5 32.2 3.0 734.9 1160.3 23.9 14.7 1446.6 0.4 1446.8 134.22 Jul 22, 110 PM 5.2 2431.8 30.9 2.8 817.7 1272.1 19.5 14.7 1421.0 0.5 1427.1 133.62 Jul 23, 100 AM 3.9 2006.4 27.7 2.2 744.8 1157.8 19.1 14.7 1421.0 0.5 1427.1 133.23 Jul 23, 100 AM 3.7 1894.6 281 1.0 757.8 1174.8 18.4 14.7 1421.0 0.4 1422.2 133.3 Jul 23, 300 AM 3.7 1894.6 281 1.0 757.8 1174.8 18.4 14.7 1420.0 0.4 1420.2 132.3 Jul 23, 500 AM 4.6 2266.1 286.6 1.1 776.0 1200.2 17.7 14.7 1425.8 0.4 1440.9 132.2 Jul 23, 100 AM 5.1 2253.2 28.7 2.2 865.6 1342.4 18.4 14.7 1420.0 0.4 1420.2 132.0 Jul 23, 500 AM 4.6 2266.1 28.6 1.1 776.0 1200.2 17.7 14.7 1425.8 0.4 1426.2 133.0 Jul 23, 500 AM 5.1 2253.2 28.7 2.2 865.6 1342.4 18.4 14.7 1425.0 0.6 1426.2 132.0 Jul 23, 500 AM 5.6 2255.2 28.1 3.4 977.1 156.8 3.3 14.6 14.7 1445.1 0.5 14.1 14.0 14.													
Jul 22, 600 PM													
Jul 22, 600 PM 50, 2226 Sig 35, 5 49, 878.1 1406.7 28.5 14.7 1515.1 0.5 1515.1 155.0 Jul 22, 200 PM 50, 2226 Sig 318, 43, 865.6 1380.7 27.1 14.7 1477.8 0.5 1477.8 0.5 1477.8 133.59 Jul 22, 600 PM 50, 2226 Sig 318, 43, 865.6 1380.7 1267.1 25.0 14.7 1449.5 0.5 1478.8 133.59 Jul 22, 600 PM 50, 2226 Sig 319, 43, 799, 1267.1 25.0 14.7 1449.5 0.5 1449.5 134.59 Jul 22, 100 PM 51, 22, 231.8 30.9 12.8 734.9 1160.3 2.9 14.7 1446.6 0.4 1446.6 134.32 Jul 22, 110 0 PM 52, 2431.8 30.9 2.8 817.7 1272.1 19.5 14.7 1442.8 0.4 1442.8 133.90 Jul 23, 100 DM 59, 277.5 31.0 33, 844.5 1283.0 14.4 14.7 1420.4 0.5 1421.0 133.82 Jul 23, 100 AM 39, 2006.4 27.7 2.2 744.8 1157.8 19.1 14.7 1420.0 0.5 1421.0 134.82 Jul 23, 100 AM 39, 2006.4 27.7 2.2 744.8 1157.8 19.1 14.7 1420.0 0.4 1442.8 14.3 13.3 0 Jul 23, 200 AM 41, 2026.8 29.0 13, 765.7 1216.4 155.8 19.1 14.7 1420.0 0.4 1440.0 14.3 12.3 0 Jul 23, 300 AM 37, 1884.6 29.1 10, 767.8 1174.8 18.4 14.7 1470.0 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.4 1471.2 0.5 1471.2 0.4 1471.2 0.4 1471.2 0.5 1471													
Jul 22, CDO PM Jul 23, CDO PM Jul 24, CDO PM Jul 24													
Jul 22, 700 PM Jul 22, 800 PM Jul 23, 800 PM Jul 24, 800 PM Jul 24													
Jul 22, 800 PM Jul 22, 800 PM Jul 22, 900 PM Jul 22, 900 PM Jul 22, 900 PM Jul 22, 900 PM Jul 22, 1000 PM Jul 23, 100 PM Jul 24, 100 PM Jul 25, 100 PM Jul 26, 100 PM Jul 26, 100 PM Jul 26, 100 PM Jul 27, 100 PM Jul 28, 100 P													
Jul 22, 900 PM Jul 22, 910 OPM Jul 22, 100 PM Jul 22, 100 PM Jul 22, 100 PM Jul 23, 100 PM Jul 24, 100 PM Jul 2													
Jul 22, 1000 PM 44 21992 323 2.8 764.0 1196.2 21.5 14.7 1442.8 0.4 1442.8 133.90 Jul 22, 1100 PM 52 2431.8 30.9 2.8 817.7 127.1 19.5 14.7 1421.0 0.5 1421.0 133.80 Jul 23, 1200 AM 59 2757.5 31.0 3.3 824.5 1283.0 19.4 14.7 1420.4 0.5 1420.4 134.82 Jul 23, 1200 AM 3,9 2006.4 27.7 2.2 744.8 1157.8 19.1 14.7 1420.4 0.5 1420.4 134.82 Jul 23, 200 AM 4,1 2026.8 29.0 1.3 785.7 1218.4 18.5 14.7 1471.2 0.4 1471.2 0.4 1471.2 133.83 Jul 23, 300 AM 3,7 1894.6 29.1 1.0 757.8 1774.8 18.4 14.7 1449.2 0.4 1471.2 132.90 Jul 23, 500 AM 4,6 266.1 28.6 1.1 776.0 1200.2 17.7 14.7 1432.8 0.4 1432.8 131.73 Jul 23, 500 AM 4,6 2265.1 28.6 1.1 776.0 1200.2 17.7 14.7 1432.8 0.4 1432.8 131.73 Jul 23, 500 AM 5,1 2263.2 29.7 2.2 865.6 1342.4 17.8 14.7 1440.9 0.4 1440.9 132.90 Jul 23, 500 AM 5,2 2053.2 28.1 3.4 97.1 13.8 02.8 124.4 17.8 14.7 1440.1 0.5 1443.1 131.06 Jul 23, 500 AM 5,2 2053.2 28.1 3.4 97.1 158.6 134.2 17.8 14.7 1442.5 0.6 1442.5 129.19 Jul 23, 500 AM 5,2 2053.2 28.1 3.4 97.1 158.6 134.2 17.1 144.5 10.5 144.1 131.0 5 Jul 23, 100 AM 5,8 2187.7 30.1 3.8 1014.5 1602.5 23.8 14.7 1442.5 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1425.0 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1425.0 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1425.0 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1425.0 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1435.9 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1425.0 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1425.0 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1435.9 0.6 1442.5 129.19 Jul 23, 100 AM 5,8 2355.2 33.1 46. 938.7 1507.5 28.8 14.7 1443.5 0.5 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 1443.1 130.0 14													
Jul 22, 11:00 PM 52													
Jul 23, 12:00 AM 5.9 2757.5 31.0 3.3 824.5 1283.0 19.4 14.7 1420.4 0.5 1420.4 134.20 Jul 23, 10:00 AM 3.9 2006.4 27.7 2.2 744.8 1157.8 19.1 14.7 1428.0 0.4 1428.0 134.30 Jul 23, 2:00 AM 4.1 2006.8 29.0 13. 785.7 12:16.4 18.5 14.7 147.1 147.2 0.4 147.1 2133.33 Jul 23, 3:00 AM 3.7 1894.6 29.1 1.0 757.8 1174.8 18.4 14.7 1449.2 0.4 1449.2 132.30 Jul 23, 4:00 AM 3.9 19:24.7 28.6 1.0 766.7 12:16.1 18.0 14.7 1440.9 0.4 1440.9 132.29 Jul 23, 5:00 AM 4.6 2266.1 28.6 1.1 776.0 1200.2 17.7 14.7 1432.8 0.4 1432.8 131.73 Jul 23, 5:00 AM 4.6 2266.1 28.6 1.1 776.0 1200.2 17.7 14.7 1432.8 0.4 1432.8 131.73 Jul 23, 5:00 AM 5.1 2283.2 29.7 2.2 855.6 134.2 4 18.4 14.7 1445.1 0.5 1443.1 131.0 Jul 23, 7:00 AM 5.1 2283.2 29.7 2.2 855.6 1342.4 18.4 14.7 1445.1 0.5 1443.1 131.0 Jul 23, 7:00 AM 5.2 2053.2 28.1 3.4 977.1 15:26.8 20.5 14.7 1414.3 0.5 1414.3 13.0.6 Jul 23, 9:00 AM 5.8 2167.7 30.1 3.8 1014.5 1602.5 23.8 14.7 1422.5 0.6 1442.5 0.6 1442.5 13.0 Jul 23, 10:00 AM 5.8 2355.2 33.1 4.6 938.7 1507.5 28.8 14.7 1422.7 0.5 1423.7 127.6 Jul 23, 10:00 AM 6.1 2392.9 34.4 4.9 967.2 1562.6 30.7 14.7 1435.9 0.6 1425.5 0.6 1425.4 128.4 Jul 23, 10:00 PM 6.3 2525.6 36.0 5.6 952.0 1550.1 33.1 14.7 1425.4 0.6 1425.4 128.4 Jul 23, 10:00 PM 6.3 2525.6 36.0 5.6 952.0 1550.1 33.1 14.7 1425.4 0.6 1425.4 128.4 Jul 23, 10:00 PM 6.4 1399.8 29.4 3.9 1779.6 2908.5 35.4 14.7 1426.4 0.6 1425.4 128.4 Jul 23, 3:00 PM 6.4 1399.8 29.4 3.9 1779.6 2908.5 35.4 14.8 1861.2 1.0 1861.2 127.8 Jul 23, 3:00 PM 6.4 1399.8 29.4 3.9 1779.6 2908.5 35.4 14.8 1861.2 1.0 1861.2 127.8 Jul 23, 3:00 PM 6.5 1302.6 29.2 3.1 1876.9 304.8 33.7 148.8 2094.4 11.1 2044.4 128.1 Jul 23, 3:00 PM 6.5 1302.6 29.2 3.1 1876.9 304.8 33.7 148.8 1991.1 0.9 1991.1 128.76 Jul 23, 3:00 PM 6.5 1302.6 29.2 3.1 1876.9 304.8 33.7 148.8 1991.1 0.9 1991.1 128.76 Jul 23, 3:00 PM 6.5 1302.6 29.2 3.1 1876.9 304.8 33.7 148.8 1991.1 0.9 1991.1 128.76 Jul 23, 3:00 PM 6.5 1302.6 29.2 3.1 1876.9 30.5 144.8 1991.1 0.9 1991.1 128.76 Jul 23, 3:00 PM 6.5 1302.6 23.2 3.2 3.2 3.3 14.6 13.5 144.2 12.2 4.4 14.7 149.0 0.5													
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Jul 24, 5:00 AM 6.9 3092.6 32.0 5.4 838.7 1318.2 22.7 14.7 1352.6 0.5 1352.6 146.73 Jul 24, 6:00 AM 7.6 3619.6 37.1 6.5 805.3 1265.7 22.5 14.7 1431.4 0.5 1431.4 149.70	Jul 24, 3:00 AM	6.9		35.8	5.9	792.1	1246.4	22.8	14.7	1428.6	0.4	1428.6	138.94
Jul 24, 6:00 AM 7.6 3619.6 37.1 6.5 805.3 1265.7 22.5 14.7 1431.4 0.5 1431.4 149.70	Jul 24, 4:00 AM	9.4	3344.3	34.0	5.8	1064.5	1674.8	22.9	14.7	1358.1	0.6	1358.1	144.45
	Jul 24, 5:00 AM	6.9	3092.6	32.0	5.4	838.7	1318.2	22.7	14.7	1352.6	0.5	1352.6	146.73
Jul 24, 7:00 AM 8.2 3670.3 38.5 6.5 850.5 1339.5 23.0 14.7 1401.8 0.5 1429.5 152.80	Jul 24, 6:00 AM	7.6	3619.6		6.5	805.3	1265.7	22.5	14.7	1431.4	0.5	1431.4	
	Jul 24, 7:00 AM	8.2	3670.3	38.5	6.5	850.5	1339.5	23.0	14.7	1401.8	0.5	1429.5	152.80



Jul 24, 8:00 AM	1476.7 1720.1 1725.2 1525.2 1464.6 1472.2 1465.6 1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7	155.29 159.98 163.08 164.72 167.48 166.31 165.26 165.00 164.61 163.90 163.64 164.27 162.70 161.67 156.45 155.23 154.05
Jul 24, 10:00 AM	1720.1 1725.2 1525.2 1464.6 1472.2 1465.6 1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0 1440.0	163.08 164.72 167.48 166.31 165.26 165.00 164.61 163.90 163.64 164.27 163.21 162.70 161.67 156.45
Jul 24, 11:00 AM	1725.2 1525.2 1464.6 1472.2 1465.6 1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7	164.72 167.48 166.31 165.26 165.00 164.61 163.90 163.64 164.27 163.21 162.70 161.67 156.45 155.23
Jul 24, 12:00 PM	1525.2 1464.6 1472.2 1465.6 1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7	167.48 166.31 165.26 165.00 164.61 163.90 163.64 164.27 163.21 162.70 161.67 156.45 155.23
Jul 24, 1:00 PM	1464.6 1472.2 1465.6 1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0 1440.0	166.31 165.26 165.00 164.61 163.90 163.64 164.08 164.27 163.21 162.70 161.67 156.45
Jul 24, 2:00 PM 5.4 2322.6 34.1 4.6 891.5 1418.8 25.3 14.7 1472.2 0.5 Jul 24, 3:00 PM 6.2 2587.5 32.6 4.9 916.7 1472.9 28.0 14.7 1465.6 0.5 Jul 24, 6:00 PM 6.2 2608.8 35.2 4.7 906.4 1454.9 28.8 14.7 1479.6 0.5 Jul 24, 5:00 PM 5.1 2393.5 33.8 4.3 811.8 1302.7 28.8 14.7 1494.4 0.5 Jul 24, 6:00 PM 5.1 2393.5 34.1 4.2 837.0 1337.5 27.5 14.7 1494.4 0.5 Jul 24, 7:00 PM 5.6 2542.5 34.0 4.6 842.4 1342.2 26.6 14.7 1451.2 0.5 Jul 24, 8:00 PM 4.5 2172.5 32.4 4.2 799.6 1265.7 24.6 14.7 1454.1 0.5 Jul 24, 9:00 PM 4.0 2019.2 29.6	1472.2 1465.6 1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	165.26 165.00 164.61 163.90 163.64 164.08 164.27 163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 3:00 PM	1465.6 1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	165.00 164.61 163.90 163.64 164.08 164.27 163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 4:00 PM	1479.6 1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	164.61 163.90 163.64 164.08 164.27 163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 5:00 PM 5.1 2393.5 33.8 4.3 811.8 1302.7 28.8 14.7 1494.4 0.5 Jul 24, 6:00 PM 5.1 2342.7 34.1 4.2 837.0 1337.5 27.5 14.7 1460.3 0.5 Jul 24, 7:00 PM 5.6 2542.5 34.0 4.6 842.4 1342.2 26.6 14.7 1451.2 0.5 Jul 24, 8:00 PM 4.5 2172.5 32.4 4.2 799.6 1265.7 24.6 14.7 1451.2 0.5 Jul 24, 9:00 PM 4.0 2019.2 29.6 4.5 755.6 1189.0 22.7 14.7 1417.6 0.4 Jul 24, 10:00 PM 4.4 2208.9 29.0 3.8 765.8 1199.9 21.4 14.7 1426.5 0.4 Jul 24, 11:00 PM 4.7 2205.7 29.4 2.8 811.6 1267.4 20.5 14.7 1481.3 0.5 Jul 25, 12:00 AM 4.8 2331.6 28.9	1494.4 1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	163.90 163.64 164.08 164.27 163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 6:00 PM 5.1 2342.7 34.1 4.2 837.0 1337.5 27.5 14.7 1460.3 0.5 Jul 24, 7:00 PM 5.6 2542.5 34.0 4.6 842.4 1342.2 26.6 14.7 1451.2 0.5 Jul 24, 9:00 PM 4.5 2172.5 32.4 4.2 799.6 1265.7 24.6 14.7 1454.1 0.5 Jul 24, 9:00 PM 4.0 2019.2 29.6 4.5 755.6 1189.0 22.7 14.7 1417.6 0.4 Jul 24, 10:00 PM 4.0 2019.2 29.6 4.5 755.6 1189.0 22.7 14.7 1417.6 0.4 Jul 24, 10:00 PM 4.7 2208.9 29.0 3.8 765.8 1199.9 21.4 14.7 1426.5 0.4 Jul 24, 11:00 PM 4.7 2208.7 29.4 2.8 811.6 1267.4 20.5 14.7 1481.3 0.5 Jul 25, 10:00 AM 4.8 2319.2 28.7	1460.3 1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	163.64 164.08 164.27 163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 7:00 PM 5.6 2542.5 34.0 4.6 842.4 1342.2 26.6 14.7 1451.2 0.5 Jul 24, 8:00 PM 4.5 2172.5 32.4 4.2 799.6 1265.7 24.6 14.7 1454.1 0.5 Jul 24, 9:00 PM 4.0 2019.2 29.6 4.5 755.6 1189.0 22.7 14.7 1417.6 0.4 Jul 24, 10:00 PM 4.4 2208.9 29.0 3.8 765.8 1199.9 21.4 14.7 1426.5 0.4 Jul 24, 11:00 PM 4.7 2205.7 29.4 2.8 811.6 1267.4 20.5 14.7 1481.3 0.5 Jul 25, 12:00 AM 4.8 2319.2 28.7 3.2 798.3 1242.7 19.6 14.7 1477.7 0.4 Jul 25, 10:00 AM 4.8 2316.6 28.9 3.1 792.2 1230.5 18.9 14.7 1464.7 0.4 Jul 25, 2:00 AM 4.3 2212.6 28.6	1451.2 1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	164.08 164.27 163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 8:00 PM 4.5 2172.5 32.4 4.2 799.6 1265.7 24.6 14.7 1454.1 0.5 Jul 24, 9:00 PM 4.0 2019.2 29.6 4.5 755.6 1189.0 22.7 14.7 1417.6 0.4 Jul 24, 10:00 PM 4.4 2208.9 29.0 3.8 765.8 1199.9 21.4 14.7 1426.5 0.4 Jul 24, 11:00 PM 4.7 2205.7 29.4 2.8 811.6 1267.4 20.5 14.7 1481.3 0.5 Jul 25, 12:00 AM 4.8 2319.2 28.7 3.2 798.3 1242.7 19.6 14.7 1477.7 0.4 Jul 25, 1:00 AM 4.8 2331.6 28.9 3.1 792.2 1230.5 18.9 14.7 1464.7 0.4 Jul 25, 2:00 AM 4.3 2212.6 28.6 3.1 751.7 1165.7 18.3 14.7 1449.0 0.4 Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4	1454.1 1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	164.27 163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 9:00 PM 4.0 2019.2 29.6 4.5 755.6 1189.0 22.7 14.7 1417.6 0.4 Jul 24, 10:00 PM 4.4 2208.9 29.0 3.8 765.8 1199.9 21.4 14.7 1426.5 0.4 Jul 24, 10:00 PM 4.7 2205.7 29.4 2.8 811.6 1267.4 20.5 14.7 1481.3 0.5 Jul 25, 12:00 AM 4.8 2319.2 28.7 3.2 798.3 1242.7 19.6 14.7 1477.7 0.4 Jul 25, 1:00 AM 4.8 2331.6 28.9 3.1 792.2 1230.5 18.9 14.7 1464.7 0.4 Jul 25, 2:00 AM 4.3 2212.6 28.6 3.1 751.7 1165.7 18.3 14.7 1449.0 0.4 Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4 Jul 25, 5:00 AM 4.4 2192.3 27.6	1417.6 1426.5 1481.3 1477.7 1464.7 1449.0	163.21 162.70 161.67 156.45 155.23 154.05
Jul 24, 10:00 PM 4.4 2208.9 29.0 3.8 765.8 1199.9 21.4 14.7 1426.5 0.4 Jul 24, 11:00 PM 4.7 2205.7 29.4 2.8 811.6 1267.4 20.5 14.7 1481.3 0.5 Jul 25, 12:00 AM 4.8 2319.2 28.7 3.2 798.3 1242.7 19.6 14.7 1477.7 0.4 Jul 25, 1:00 AM 4.8 2331.6 28.9 3.1 792.2 1230.5 18.9 14.7 1449.0 0.4 Jul 25, 2:00 AM 4.3 2212.6 28.6 3.1 751.7 1165.7 18.3 14.7 1449.0 0.4 Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4 Jul 25, 4:00 AM 4.4 2192.3 27.6 2.4 774.9 1194.8 16.6 14.7 1440.1 0.4 Jul 25, 5:00 AM 4.7 2377.4 26.6	1426.5 1481.3 1477.7 1464.7 1449.0 1440.0	162.70 161.67 156.45 155.23 154.05
Jul 24, 11:00 PM 4.7 2205.7 29.4 2.8 811.6 1267.4 20.5 14.7 1481.3 0.5 Jul 25, 12:00 AM 4.8 2319.2 28.7 3.2 798.3 1242.7 19.6 14.7 1477.7 0.4 Jul 25, 1:00 AM 4.8 2331.6 28.9 3.1 792.2 1230.5 18.9 14.7 1464.7 0.4 Jul 25, 2:00 AM 4.3 2212.6 28.6 3.1 751.7 1165.7 18.3 14.7 1449.0 0.4 Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4 Jul 25, 4:00 AM 4.4 2192.3 27.6 2.4 774.9 1194.8 16.6 14.7 1407.1 0.4 Jul 25, 5:00 AM 4.7 2377.4 26.6 2.3 760.4 1170.6 16.1 14.7 1467.8 0.4 Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4	1481.3 1477.7 1464.7 1449.0 1440.0	161.67 156.45 155.23 154.05
Jul 25, 12:00 AM 4.8 2319.2 28.7 3.2 798.3 1242.7 19.6 14.7 1477.7 0.4 Jul 25, 1:00 AM 4.8 2331.6 28.9 3.1 792.2 1230.5 18.9 14.7 1464.7 0.4 Jul 25, 2:00 AM 4.3 2212.6 28.6 3.1 751.7 1165.7 18.3 14.7 1449.0 0.4 Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4 Jul 25, 4:00 AM 4.4 2192.3 27.6 2.4 774.9 1194.8 16.6 14.7 1407.1 0.4 Jul 25, 5:00 AM 4.7 2377.4 26.6 2.3 760.4 1170.6 16.1 14.7 1467.8 0.4 Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4	1477.7 1464.7 1449.0 1440.0	156.45 155.23 154.05
Jul 25, 1:00 AM 4.8 2331.6 28.9 3.1 792.2 1230.5 18.9 14.7 1464.7 0.4 Jul 25, 2:00 AM 4.3 2212.6 28.6 3.1 751.7 1165.7 18.3 14.7 1449.0 0.4 Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4 Jul 25, 4:00 AM 4.4 2192.3 27.6 2.4 774.9 1194.8 16.6 14.7 1440.1 0.4 Jul 25, 5:00 AM 4.7 2377.4 26.6 2.3 760.4 1170.6 16.1 14.7 1467.8 0.4 Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4	1464.7 1449.0 1440.0	155.23 154.05
Jul 25, 2:00 AM 4.3 2212.6 28.6 3.1 751.7 1165.7 18.3 14.7 1449.0 0.4 Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4 Jul 25, 4:00 AM 4.4 2192.3 27.6 2.4 774.9 1194.8 16.6 14.7 1440.1 0.4 Jul 25, 5:00 AM 4.7 2377.4 26.6 2.3 760.4 1170.6 16.1 14.7 1467.8 0.4 Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4	1449.0 1440.0	154.05
Jul 25, 3:00 AM 4.2 2146.7 28.2 2.7 751.4 1161.3 17.3 14.7 1440.0 0.4 Jul 25, 4:00 AM 4.4 2192.3 27.6 2.4 774.9 1194.8 16.6 14.7 1440.1 0.4 Jul 25, 5:00 AM 4.7 2377.4 26.6 2.3 760.4 1170.6 16.1 14.7 1467.8 0.4 Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4	1440.0	
Jul 25, 4:00 AM 4.4 2192.3 27.6 2.4 774.9 1194.8 16.6 14.7 1440.1 0.4 Jul 25, 5:00 AM 4.7 2377.4 26.6 2.3 760.4 1170.6 16.1 14.7 1467.8 0.4 Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4		151.32
Jul 25, 5:00 AM 4.7 2377.4 26.6 2.3 760.4 1170.6 16.1 14.7 1467.8 0.4 Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4	1440.1	
Jul 25, 6:00 AM 4.4 2205.2 27.2 2.4 770.3 1184.6 15.8 14.7 1435.5 0.4		146.29
	1467.8	144.12
Jul 25, 7:00 AM 5.3 2136.3 27.4 2.2 950.5 1466.5 16.7 14.7 1419.9 0.5	1435.5	140.96
	1419.9	138.05
Jul 25, 8:00 AM 5.5 2188.5 26.4 2.5 957.3 1488.9 18.9 14.7 1398.6 0.5	1398.6	135.79
Jul 25, 9:00 AM 5.9 2294.3 28.1 3.3 986.2 1544.5 21.2 14.7 1456.6 0.6		131.22
Jul 25, 10:00 AM 7.0 2734.6 31.9 4.4 980.7 1558.0 25.4 14.7 1445.8 0.6		129.33
Jul 25, 11:00 AM 8.1 3413.9 35.5 6.0 917.6 1482.5 30.5 14.7 1436.1 0.5	1436.1	129.77
Jul 25, 12:00 PM 8.9 3822.1 37.1 6.7 894.5 1469.9 35.7 14.7 1435.3 0.5		129.61
Jul 25, 1:00 PM 9.6 4058.9 37.8 7.1 907.7 1495.7 36.7 14.7 1439.3 0.5		133.20
Jul 25, 2:00 PM 9.8 3986.9 38.5 7.6 945.0 1527.4 30.8 14.7 1436.9 0.5		137.63
Jul 25, 3:00 PM 10.8 3642.5 36.8 6.7 1149.3 1843.3 28.7 14.7 1480.9 0.7		142.24
Jul 25, 4:00 PM 9.1 3517.1 36.3 6.4 994.8 1589.4 27.7 14.7 1572.0 0.6		145.13
Jul 25, 5:00 PM 9.6 3833.2 38.0 6.9 957.9 1524.8 26.4 14.7 1491.6 0.5		149.61
Jul 25, 6:00 PM 8.8 3678.2 37.6 7.6 916.7 1455.3 25.5 14.7 1447.3 0.5		153.26
Jul 25, 7:00 PM 8.7 3657.2 36.0 8.1 911.6 1447.9 25.5 14.7 1429.2 0.5		156.34
Jul 25, 8:00 PM 6.9 3189.8 32.3 6.4 822.2 1303.8 25.1 14.7 1485.4 0.5		158.66
Jul 25, 9:00 PM 6.3 3388.6 33.4 4.8 717.0 1127.0 22.6 14.7 1508.8 0.4		160.99
Jul 25, 10:00 PM 21.8 5072.1 37.0 7.4 1356.3 2117.8 20.5 14.7 1423.0 0.8		178.35
Jul 25, 11:00 PM 12.3 2788.7 22.6 4.4 1649.3 2566.2 19.0 14.7 1361.6 0.9		185.94
Jul 26, 12:00 AM 3.3 1954.5 20.9 2.4 652.3 1011.0 18.0 14.7 1392.1 0.4		184.40
Jul 26, 1:00 AM 4.4 234.4.5 23.5 1.6 717.9 1108.9 17.2 14.7 1442.7 0.4		183.98
Jul 26, 2:00 AM 5.1 2681.4 26.2 2.1 730.0 1124.2 16.3 14.7 1450.8 0.4	1450.8	184.71
Jul 26, 3:00 AM 5.7 3118.5 27.7 2.7 710.8 1092.0 15.6 14.7 1430.6 0.4		186.26
Jul 26, 4:00 AM 6.5 3347.4 28.0 2.9 746.6 1144.7 15.0 14.7 1428.2 0.4		188.34
Jul 26,5:00 AM 6.4 3376.0 27.2 2.7 724.6 1108.7 14.4 14.7 1440.4 0.4	1440.4	190.00
Jul 26, 6:00 AM 6.5 3427.6 27.9 2.8 732.7 1119.9 14.1 14.7 1431.5 0.4		190.00
Jul 26, 7:00 AM 7.4 3349.3 27.7 3.0 838.0 1283.8 14.6 14.7 828.3 0.5		194.18
		194.16
Jul 26, 8:00 AM 7.8 3424.9 29.2 3.5 898.6 1388.7 17.1 14.7 1423.3 0.5 Jul 26, 9:00 AM 9.6 3799.5 31.1 4.3 973.3 1524.2 21.1 14.7 1425.2 0.5		200.16
		202.84
Jul 26, 11:00 AM 9.8 3992.5 35.5 6.7 910.5 1475.2 31.3 14.7 1423.8 0.5		204.46
Jul 26, 12:00 PM 9.2 3907.6 36.4 7.0 905.7 1496.2 37.5 14.7 1454.1 0.5		204.77
Jul 26, 1:00 PM 9.1 3988.2 37.0 8.6 880.5 1476.9 42.2 14.7 1414.4 0.5		204.32
Jul 26, 2:00 PM 9.3 3695.0 35.9 8.8 971.2 1601.4 37.0 14.7 1411.5 0.6		203.87
Jul 26, 3:00 PM 10.7 3943.7 38.4 8.6 1038.0 1690.7 33.2 14.7 1414.6 0.6		203.76
Jul 26, 4:00 PM 12.0 4669.7 40.1 9.8 980.5 1584.4 30.8 14.7 1452.9 0.6		206.64
Jul 26, 5:00 PM 9.6 3853.9 37.1 8.4 958.5 1539.5 29.0 14.7 1455.1 0.5		206.73
Jul 26, 6:00 PM 10.0 4150.4 38.4 8.4 924.2 1477.7 27.6 14.7 1448.2 0.5		207.93
Jul 26, 7:00 PM 12.6 4675.0 39.2 8.4 1048.7 1670.0 26.2 14.7 1408.1 0.6		211.90
Jul 26, 8:00 PM 8.5 3516.8 31.1 6.6 925.9 1465.4 24.5 14.7 1410.6 0.5		213.55
Jul 26, 9:00 PM 6.7 2992.7 29.0 5.6 856.8 1348.9 23.0 14.7 1418.6 0.5		213.91
Jul 26, 10:00 PM 7.7 3453.5 31.3 4.8 859.7 1348.6 21.8 14.7 1408.8 0.5		199.83
Jul 26, 11:00 PM 7.6 3347.8 30.2 4.7 870.2 1360.1 20.6 14.7 1387.4 0.5		195.14
Jul 27, 12:00 AM 7.9 3511.6 28.8 4.7 865.0 1346.3 19.4 14.7 1379.3 0.5		199.73
Jul 27, 1:00 AM 7.3 3185.6 27.7 4.2 877.2 1360.1 18.3 14.7 1400.3 0.5		202.61
Jul 27, 2:00 AM 8.1 2369.8 24.9 3.3 1309.2 2019.9 17.5 14.7 1578.8 0.7		205.61
Jul 27, 3:00 AM 5.1 2142.6 23.4 2.6 928.9 1427.0 16.7 14.8 1748.4 0.5		204.97
Jul 27, 4:00 AM 6.7 3037.3 26.7 3.0 844.5 1297.3 16.1 14.7 1537.4 0.5		205.15
Jul 27,5:00 AM 5.8 2597.3 24.7 3.0 854.6 1311.2 15.7 14.7 1470.6 0.5		204.64
Jul 27, 6:00 AM 6.5 3013.3 27.0 3.2 833.5 1279.2 15.5 14.7 1448.6 0.5		204.65
Jul 27,7:00 AM 7.8 3205.8 27.7 3.3 937.4 1443.0 16.2 14.7 1421.1 0.5		205.06
Jul 27, 8:00 AM 8.9 3315.9 29.9 3.7 1037.2 1613.8 19.2 14.7 1417.4 0.6		206.24
Jul 27, 9:00 AM 9.2 3174.0 30.9 5.0 1115.5 1762.9 23.9 14.7 1447.4 0.6	1447.4	205.85
Jul 27, 10:00 AM 9.3 3239.7 33.5 6.4 1099.3 1770.9 29.9 14.7 1487.7 0.6	1487.7	205.45
Jul 27, 11:00 AM 8.8 3102.1 33.8 7.4 1091.8 1790.6 35.4 14.7 1504.6 0.6	1504.6	204.52
Jul 27, 12:00 PM 8.5 3228.6 34.9 8.2 1010.3 1673.2 38.4 14.7 1460.1 0.6	1460.1	203.83
Jul 27, 1:00 PM 10.5 3669.2 36.2 8.5 1094.8 1811.4 38.0 14.7 1365.7 0.6	1365.7	205.15
Jul 27, 2:00 PM 15.0 4339.4 36.4 10.1 1196.5 1972.4 36.6 14.7 1354.7 0.7	1354.7	210.79
Jul 27, 3:00 PM 7.1 2493.6 30.7 7.0 1086.0 1784.8 35.8 14.7 1394.5 0.6	1394.5	207.17

lm

Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Jul 27, 4:00 PM	9.5	3356.7	35.0	8.3	1097.4	1793.3	34.1	14.7	1399.3	0.6	1399.3	204.76
Jul 27, 5:00 PM	9.3	3348.5	34.1	8.1	1066.3	1731.8	32.3	14.7	1408.2	0.6	1408.2	204.40
Jul 27, 6:00 PM	8.6	3234.7	33.7	8.1	1022.8	1653.1	30.8	14.7	1399.8	0.6	1399.8	203.05
Jul 27, 7:00 PM	8.4	3338.5	35.1	7.9	958.9	1542.0	29.2	14.7	1404.7	0.6	1404.7	198.83
Jul 27, 8:00 PM	7.2	3638.2	34.7	8.3	757.9	1210.5	27.3	14.7	1445.4	0.4	1445.4	197.50
Jul 27, 9:00 PM	5.9	3021.9	31.7	6.8	745.7	1182.1	25.0	14.7	1426.7	0.4	1426.7	196.70
Jul 27, 10:00 PM	5.8	3088.9	31.1	6.2	717.6	1130.7	23.2	14.7	1427.8	0.4	1427.8	194.75
Jul 27, 11:00 PM	5.9	3068.1	31.6	5.2	735.9	1154.3	21.9	14.7	1436.5	0.4	1436.5	193.06
Jul 28, 12:00 AM	5.9	2875.6	30.2	4.8	790.0	1234.4	20.7	14.7	1458.0	0.4	1458.0	191.09
Jul 28, 1:00 AM	5.6	2885.3	30.2	5.2	750.3	1168.8	19.9	14.7	1476.4	0.4	1476.4	189.45
Jul 28, 2:00 AM	6.4	3256.8	30.6	4.6	752.0	1169.2	19.3	14.7	1439.6	0.4	1439.6	187.73
Jul 28, 3:00 AM	6.8	3337.6	30.1	4.1	786.7	1221.0	18.8	14.7	1431.2	0.4	1431.2	189.44
Jul 28, 4:00 AM	103.0	7105.4	43.4	9.1	4443.4	6852.7	18.4	14.7	1443.0	2.4	1443.0	285.74
Jul 28, 5:00 AM	6.1	3477.6	34.5	7.4	711.1	1099.7	17.7	14.7	1435.6	0.4	1435.6	286.02
Jul 28, 6:00 AM	5.9	3591.0	34.6	7.2	638.5	985.9	17.2	14.7	1423.0	0.4	1423.0	285.35
Jul 28, 7:00 AM	9.9	4250.9	36.5	7.8	956.1	1479.2	17.7	14.7	1413.0	0.5	1413.0	287.45
Jul 28, 8:00 AM	7.7	3141.4	34.0	6.3	937.0	1464.1	20.6	14.7	1430.8	0.5	1430.8	286.18
Jul 28, 9:00 AM	8.1	3139.8	36.4	7.2	989.9	1569.8	25.1	14.7	1476.8	0.6	1476.8	285.08
Jul 28, 10:00 AM	9.1	3426.7	39.0	8.7	1024.1	1644.1	28.8	14.7	1440.5	0.6	1440.5	284.93
Jul 28, 11:00 AM	10.1	3984.7	41.0	10.6	985.0	1597.0	31.8	14.7	1419.1	0.6	1419.1	286.20
Jul 28, 12:00 PM	10.1	3573.4	39.6	9.7	1068.6	1753.5 1949.0	35.7 38.8	14.7	1475.1 1435.3	0.6 0.7	1475.1	287.77 290.06
Jul 28, 1:00 PM Jul 28, 2:00 PM	12.8 8.5	4153.7 3123.3	42.0 36.0	11.0 8.9	1176.1 1045.2	1738.2	39.9	14.7 14.7	1474.1	0.6	1435.3 1474.1	283.61
Jul 28, 3:00 PM	8.8	2984.6	36.9		1120.3	1858.3	39.4		1539.7		1539.7	285.28
Jul 28, 4:00 PM	15.0	3869.7	40.0	8.6 9.5	1471.7	2428.0	39.4	14.7 14.8	1617.0	0.7 0.9	1617.0	290.73
Jul 28, 4:00 PM Jul 28, 5:00 PM	7.0	2376.4	33.4	6.3	1471.7	1841.0	37.8	14.8	1617.0	0.9	1617.0	290.73
Jul 28, 6:00 PM	6.1	2081.6	34.6	5.3	1121.6	1817.8	32.8	14.8	1803.7	0.6	1803.7	285.97
Jul 28, 7:00 PM	6.5	2326.0	35.2	5.0	1061.9	1713.7	31.2	14.8	1760.2	0.6	1760.2	284.05
Jul 28, 8:00 PM	5.5	2882.9	35.3	5.8	731.8	1171.4	28.4	14.8	1597.3	0.4	1597.3	282.34
Jul 28, 9:00 PM	5.9	3046.8	33.7	5.7	743.2	1181.2	26.1	14.7	1492.0	0.4	1492.0	282.38
Jul 28, 10:00 PM	6.0	3238.5	33.4	4.8	709.1	1122.2	24.8	14.7	1477.6	0.4	1477.6	282.59
Jul 28, 11:00 PM	6.2	3284.9	33.9	4.1	723.1	1141.9	24.1	14.7	1445.3	0.4	1445.3	282.89
Jul 29, 12:00 AM	9.2	3004.8	69.0	4.8	1165.4	1829.8	23.0	14.8	1728.3	0.7	1728.3	286.16
Jul 29, 1:00 AM	5.2	2307.7	107.5	5.7	833.9	1302.7	22.2	14.8	1911.7	0.5	1911.7	285.77
Jul 29, 2:00 AM	6.1	3064.6	55.9	5.2	754.2	1179.6	21.6	14.8	1570.7	0.4	1570.7	285.48
Jul 29, 3:00 AM	6.3	3152.9	42.1	5.3	768.3	1198.4	20.5	14.7	1499.4	0.4	1499.4	284.97
Jul 29, 4:00 AM	5.7	3344.8	38.1	5.6	658.3	1025.1	19.8	14.7	1461.1	0.4	1461.1	187.73
Jul 29, 5:00 AM	6.4	3643.3	37.2	4.7	672.1	1044.7	19.3	14.7	1458.0	0.4	1458.0	187.98
Jul 29, 6:00 AM	6.4	3550.7	36.7	4.1	696.4	1081.0	18.9	14.7	1451.3	0.4	1451.3	188.55
Jul 29, 7:00 AM	8.5	3698.2	36.7	4.2	815.1	1268.6	19.6	14.7	836.7	0.5	1436.0	187.12
Jul 29, 8:00 AM	7.8	3878.7	38.6	5.1	828.3	1301.5	22.3	14.7	1421.3	0.5	1421.3	187.24
Jul 29, 9:00 AM	9.4	3980.9	39.8	6.5	916.7	1458.7	26.2	14.7	1440.0	0.5	1440.0	188.56
Jul 29, 10:00 AM	11.0	4672.5	43.1	7.7	905.4	1461.7	30.6	14.7	1454.4	0.5	1454.4	190.44
Jul 29, 11:00 AM	10.2	4294.9	44.4	8.9	911.6	1485.9	33.7	14.7	1441.5	0.5	1441.5	190.53
Jul 29, 12:00 PM	10.4	3878.4	45.3	9.7	1030.9	1700.8	37.2	14.7	1471.1	0.6	1471.1	190.89
Jul 29, 1:00 PM	9.3	3004.2	45.5	7.9	1185.9	1969.7	40.1	14.8	1723.4	0.7	1723.4	187.47
Jul 29, 2:00 PM	10.2	3423.7	42.4	8.6	1142.9	1890.2	38.6	14.8	1603.5	0.7	1603.5	189.18
Jul 29, 3:00 PM	9.8	2774.5	32.3	7.6	1344.1	2209.3	36.8	14.8	1720.9	0.8	1720.9	190.18
Jul 29, 4:00 PM	10.3	2968.8	31.5	7.4	1331.1	2173.1	34.7	14.8	1699.9	0.8	1699.9	185.48
Jul 29, 5:00 PM	8.3	2885.5	31.7	7.2	1105.2	1792.9	32.6	14.8	1694.9	0.6	1694.9	186.76
Jul 29, 6:00 PM	7.9	3307.2	38.1	7.5	915.6	1477.1	30.7	14.7	1511.2	0.5	1511.2	188.53
Jul 29, 7:00 PM	9.0	3587.8	38.4	7.3	954.2	1532.1	29.0	14.7	1460.9	0.5	1460.9	191.06
Jul 29, 8:00 PM	7.0	3482.4	38.6	6.7	767.2	1222.2	26.8	14.7	1524.0	0.4	1524.0	192.56
Jul 29, 9:00 PM	7.1	2808.6	33.1	5.1	964.8	1530.4	25.4	14.7	1403.7	0.5	1403.7	193.70
Jul 29, 10:00 PM	7.3	3495.6	33.7	6.1	792.1	1253.4	24.9	14.7	1422.3	0.4	1422.3	194.99
Jul 29, 11:00 PM	7.6	3809.6	36.7	6.2	762.3	1205.9	24.5	14.7	1454.2	0.4	1454.2	196.37
Jul 30, 12:00 AM	6.9	3370.4	35.0	4.8	786.1	1242.5	24.3	14.7	1455.2	0.4	1455.2	194.09
Jul 30, 1:00 AM	7.6	3753.8	37.2	5.0	773.6	1222.5	24.2	14.7	1462.1	0.4	1462.1	196.41
Jul 30, 2:00 AM	8.5	4282.0	38.0	5.6	765.3	1209.9	24.3	14.7	1474.7	0.4	1474.7	198.85
Jul 30, 3:00 AM	8.3	4198.3	38.8	5.7	763.7	1208.0	24.5	14.7	1447.9	0.4	1447.9	200.86
Jul 30, 4:00 AM	7.5	3879.8	38.1	5.5	745.4	1177.2	24.0	14.7	1438.7	0.4	1438.7	202.65
Jul 30, 5:00 AM	7.9	4018.4	37.5	5.5	752.1	1184.7	23.1	14.7	1432.1	0.4	1432.1	204.13
Jul 30, 6:00 AM	8.1	4115.2	37.4	5.5	760.8	1198.3	23.1	14.7	1436.9	0.4	1436.9	205.83
Jul 30, 7:00 AM	8.9	4003.5	37.9	5.6	852.2	1346.3	24.0	14.7	1437.7	0.5	1437.7	206.23
Jul 30, 8:00 AM	7.5	3704.3	37.2	5.8	772.2	1218.2	25.0	14.8	1435.0	0.4	1435.0	205.92
Jul 30, 9:00 AM	8.3	3605.6	35.7	5.3	878.6	1392.9	25.3	14.7	1473.9	0.5	1473.9	204.76
Jul 30, 10:00 AM	7.8	3197.2	37.7	5.3	936.2	1489.4	26.2	14.7	1510.6	0.5	1510.6	201.54
Jul 30, 11:00 AM	8.1	3345.6	38.6	5.9	936.7	1500.5	28.3	14.7	1497.9	0.5	1497.9	199.50
Jul 30, 12:00 PM	7.8	3225.7	38.5	5.9	931.6	1501.6	30.2	14.7	1472.8	0.5	1472.8	196.90
Jul 30, 1:00 PM	7.0	2874.1	38.9	6.2	932.0	1507.1	31.1	14.7	1482.7	0.5	1482.7	194.57
Jul 30, 2:00 PM	6.5	2722.1	38.4	6.3	915.8	1487.1	32.4	14.7	1466.4	0.5	1466.4	190.85
Jul 30, 3:00 PM	6.5	2595.1	38.2	6.6	963.6	1562.1	31.9	14.7	1465.5	0.6	1465.5	187.64
Jul 30, 4:00 PM	6.2	2579.9	36.5	6.6	928.0	1500.6	31.1	14.7	1472.9	0.5	1472.9	183.59
Jul 30, 5:00 PM	6.2	2504.2	36.5	6.3	938.0	1512.6	30.3	14.7	1495.4	0.5	1495.4	181.44
Jul 30, 6:00 PM	5.4	2275.6	36.5	5.9	897.4	1440.4	28.9	14.7	1485.3	0.5	1485.3	178.91
Jul 30, 7:00 PM	5.0	2216.6	35.9	5.7	869.1	1388.0	27.3	14.7	1464.8	0.5	1464.8	174.92
Jul 30, 8:00 PM	3.8	1906.3	33.4	5.0	766.1	1216.2	25.5	14.7	1446.0	0.4	1446.0	171.78
Jul 30, 9:00 PM	4.3	2060.3	31.6	4.5	792.3	1253.2	24.5	14.7	1473.3	0.4	1473.3	168.99
Jul 30, 10:00 PM	4.1	1972.7	31.8	4.5	793.7	1254.4	24.3	14.7	1465.2	0.4	1465.2	165.82
Jul 30, 11:00 PM	4.3	1930.5	31.2	4.3	849.1	1342.6	24.4	14.7	1454.9	0.5	1454.9	162.56

Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Car (PPM/hr)	bon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Jul 31, 12:00 AM	3.9	1966.3	30.1	4.1	749.4	1184.6	24.3	14.7	1458.7	0.4	1458.7	159.52
Jul 31, 1:00 AM	3.9	1952.6	30.2	3.7	757.0	1195.7	23.9	14.7	1437.7	0.4	1437.7	155.84
Jul 31, 2:00 AM	3.7	1884.9	30.3	3.4	750.1	1182.7	23.4	14.7	1434.5	0.4	1434.5	151.04
Jul 31, 3:00 AM	3.5	1779.4	29.0	3.1	757.9	1192.7	22.8	14.7	1432.2	0.4	1432.2	146.24
Jul 31, 4:00 AM	4.0	1966.8	30.5	3.6	770.7	1210.3	22.2	14.7	1462.5	0.4	1462.5	142.69
Jul 31, 5:00 AM	4.0	2017.4	29.3	3.0	765.0	1200.4	21.9	14.7	1430.0	0.4	1430.0	138.87
Jul 31, 6:00 AM	3.9	1913.5	29.0	3.0	782.9	1229.4	22.1	14.7	1426.1	0.4	1426.1	134.66
Jul 31, 7:00 AM	3.8	1828.4	29.6	2.8	787.7	1239.1	22.6	14.7	1405.2	0.4	1434.8	129.59
Jul 31, 8:00 AM	4.4	1861.4	29.6	3.1	897.7	1418.5	23.9	14.7	1436.0	0.5	1436.0	126.46
Jul 31, 9:00 AM	4.7	1800.7	28.8	4.2	1003.4	1597.4	26.0	14.7	1442.1	0.6	1442.1	122.94
Jul 31, 10:00 AM	5.3	2087.8	30.4	4.6	960.6	1544.6	29.2	14.7	1456.2	0.6	1456.2	120.41
Jul 31, 11:00 AM	5.5	1969.9	30.9	4.8	1093.9	1777.3	32.2	14.7	1463.6	0.6	1463.6	117.80
Jul 31, 12:00 PM	5.0	1397.1	27.5	3.7	1421.8	2329.2	35.6	14.8	1743.9	0.8	1743.9	114.99
Jul 31, 1:00 PM	4.6	1604.1	31.4	4.7	1119.7	1838.4	36.2	14.7	1650.2	0.7	1650.2	112.56
Jul 31, 2:00 PM	3.9	1126.8	26.4	3.6	1319.5	2161.5	35.8	14.8	1743.0	0.8	1743.0	109.91
Jul 31, 3:00 PM	4.4	1155.5	28.6	4.0	1456.3	2375.1	34.7	14.8	1832.8	0.8	1832.8	107.77
Jul 31, 4:00 PM	5.0	1403.8	30.8	3.5	1369.0	2222.0	33.3	14.8	1921.0	0.8	1921.0	106.49
Jul 31, 5:00 PM	5.4	1733.3	32.9	3.6	1186.7	1920.5	32.3	14.8	1874.9	0.7	1874.9	105.76
Jul 31, 6:00 PM	4.5	1441.6	32.6	3.6	1183.1	1908.3	31.2	14.8	1845.8	0.7	1845.8	104.90
Jul 31, 7:00 PM	3.3	1322.3	31.5	3.5	956.8	1537.0	29.9	14.8	1792.2	0.5	1792.2	103.20
Jul 31, 8:00 PM	3.4	1549.2	32.6	3.8	838.0	1340.0	28.2	14.8	1638.7	0.5	1638.7	102.79
Jul 31, 9:00 PM	3.5	1639.5	31.8	3.1	807.8	1287.5	27.1	14.7	1612.8	0.5	1612.8	101.99
Jul 31, 10:00 PM	3.3	1585.9	30.6	2.8	786.3	1249.3	26.2	14.8	1626.7	0.4	1626.7	101.16
Jul 31, 11:00 PM	3.2	1569.3	31.2	3.0	764.9	1212.6	25.5	14.7	1579.1	0.4	1579.1	100.03
Aug 1, 12:00 AM	3.0	1471.0	29.3	2.2	766.5	1214.0	24.9	14.7	1457.7	0.4	1457.7	99.12
Aug 1, 1:00 AM	3.3	1689.7	28.5	2.1	748.2	1183.4	24.4	14.7	1416.6	0.4	1416.6	98.56
Aug 1, 2:00 AM	3.0	1483.8	27.6	1.8	773.0	1220.6	23.9	14.7	1410.4	0.4	1410.4	97.87
Aug 1, 3:00 AM	2.9	1477.1	26.8	1.8	741.5	1169.5	23.5	14.7	1414.1	0.4	1414.1	97.21
Aug 1, 4:00 AM	3.2	1588.9	27.7	1.9	775.6	1223.0	23.5	14.7	1418.0	0.4	1418.0	96.46
Aug 1, 5:00 AM	3.2	1640.3	27.7	2.4	739.8	1166.1	23.3	14.7	1390.4	0.4	1390.4	95.60
Aug 1, 6:00 AM	3.3	1602.5	27.1	2.3	791.4	1247.1	23.2	14.7	1388.2	0.4	1388.2	95.01
Aug 1, 7:00 AM	3.5	1662.0	28.1	2.5	808.6	1277.6	24.0	14.7	1396.6	0.5	1396.6	94.73
Aug 1, 8:00 AM	3.7	1587.0	27.9	2.4	887.4	1410.9	25.9	14.7	1423.3	0.5	1423.3	94.05
Aug 1, 9:00 AM	4.3	1690.8	30.0	2.9	980.1	1573.3	28.5	14.7	1480.4	0.6	1480.4	93.65
Aug 1, 10:00 AM	5.3	1744.1	32.3	3.8	1169.4	1896.4	32.2	14.7	1574.7	0.7	1574.7	93.73
Aug 1, 11:00 AM	4.8	1433.3	30.4	4.2	1280.4	2084.4	33.9	14.8	1746.7	0.7	1746.7	93.03
Aug 1, 11:00 PM	4.3	1435.6	31.7	4.2	955.9	1571.2	36.8	14.8	1708.8	0.6	1708.8	92.29
Aug 1, 1:00 PM	0.0	1304.9	31.7	4.7	628.6	1036.9	43.6	14.9	1661.8	0.4	1661.8	87.72
-	0.0	1304.9	31.7	4.7	634.9	1030.9	37.4		1661.8	0.4	1661.8	83.84
Aug 1, 2:00 PM			SM	SM		2252.8		14.7	SM			79.45
Aug 1, 3:00 PM	SM	SM			1371.7		36.0	14.7		0.8	SM	
Aug 1, 4:00 PM	4.5	1133.0	30.8	2.8	1529.0	2501.2	35.4	14.8	1949.9	0.9	1949.9	79.01
Aug 1, 5:00 PM	4.5	1330.0	31.9	2.5	1284.8	2092.2	33.9	14.8	1914.3	0.7	1914.3	78.12
Aug 1, 6:00 PM	4.0	1243.9	32.9	2.7	1202.9	1959.0	33.7	14.7	1834.0	0.7	1834.0	77.58
Aug 1, 7:00 PM	3.5	1196.6	30.9	2.9	1107.7	1797.5	32.5	14.7	1798.5	0.6	1798.5	77.74
Aug 1, 8:00 PM	2.9	1157.9	29.8	2.4	944.3	1522.1	30.4	14.7	1785.5	0.5	1785.5	77.21
Aug 1, 9:00 PM	2.5	1075.6	28.6	1.4	880.5	1407.3	27.9	14.7	1795.2	0.5	1795.2	76.23
Aug 1, 10:00 PM	3.1	1232.5	27.3	1.3	962.8	1528.4	25.9	14.7	1814.9	0.5	1814.9	76.08
Aug 1, 11:00 PM	2.6	1050.1	27.4	1.3	940.5	1488.7	25.0	14.7	1811.1	0.5	1811.1	75.52
Aug 2, 12:00 AM	3.1	1256.0	26.3	1.3	946.0	1496.1	24.7	14.7	1791.6	0.5	1791.6	75.67
Aug 2, 1:00 AM	2.4	1093.0	26.4	0.9	864.5	1366.6	24.6	14.7	1786.1	0.5	1786.1	74.81
Aug 2, 2:00 AM	2.7	1342.3	28.4	1.0	759.4	1202.7	24.6	14.7	1542.5	0.4	1542.5	74.47
Aug 2, 3:00 AM	2.5	1293.2	27.5	0.9	744.1	1181.3	25.1	14.7	1522.2	0.4	1522.2	74.13
Aug 2, 4:00 AM	3.2	1582.4	29.3	1.1	778.9	1237.5	25.3	14.7	1484.1	0.4	1484.1	74.10
Aug 2, 5:00 AM	4.0	1964.3	27.6	1.8	771.3	1221.1	24.1	14.7	1433.2	0.4	1433.2	74.91
Aug 2, 6:00 AM	2.8	1407.6	27.6	1.4	753.9	1190.2	23.2	14.7	1435.6	0.4	1435.6	74.35
Aug 2, 7:00 AM	2.4	1219.3	25.6	1.5	796.0	1256.0	23.1	14.7	833.6	0.4	1430.0	73.25
Aug 2, 8:00 AM	2.8	1330.9	27.5	1.1	806.6	1273.6	23.3	14.7	1432.3	0.5	1432.3	72.40
Aug 2, 9:00 AM	3.1	1437.3	26.6	1.2	821.8	1298.6	23.5	14.7	1447.0	0.5	1447.0	71.13
Aug 2, 10:00 AM	2.8	1328.7	28.0	1.0	813.3	1287.0	23.9	14.7	1456.4	0.5	1456.4	68.64
Aug 2, 11:00 AM	3.3	1423.6	27.9	1.6	889.8	1416.5	25.8	14.7	1461.4	0.5	1461.4	67.12
Aug 2, 12:00 PM	4.3	1652.2	30.2	1.8	947.9	1522.6	28.4	14.7	1441.5	0.5	1441.5	67.08
Aug 2, 1:00 PM	3.3	1478.1	30.4	2.3	857.9	1392.0	31.5	14.7	1441.5	0.5	1441.5	70.42
Aug 2, 2:00 PM	3.4	1518.2	30.5	3.1	846.1	1380.6	33.2	14.7	1449.3	0.5	1449.3	73.80
Aug 2, 3:00 PM	3.9	1625.7	31.8	3.3	906.8	1464.5	30.1	14.7	1456.4	0.5	1456.4	77.67
Aug 2, 3:00 PM	3.5	1453.0	30.5	3.2	910.6	1464.5	29.4	14.7	1449.8	0.5	1449.8	76.62
Aug 2, 4:00 PM	4.1	1793.1	30.1	3.0	865.7	1392.2	28.9	14.7	1458.1	0.5	1458.1	76.02
			29.2									75.64
Aug 2, 6:00 PM	3.5	1542.7		2.4	853.9	1368.0	27.7	14.7	1463.0	0.5	1463.0	
Aug 2, 7:00 PM	3.7	1584.6	29.8	2.6	900.2	1436.4	26.5	14.7	1450.5	0.5	1450.5	75.89
Aug 2, 8:00 PM	3.2	1518.6	27.8	2.5	795.3	1266.7	25.9	14.7	1414.7	0.5	1414.7	76.17
Aug 2, 9:00 PM	3.0	1455.6	28.3	2.4	794.0	1260.8	25.0	14.7	1438.9	0.5	1438.9	76.70
Aug 2, 10:00 PM	3.0	1464.5	28.0	2.4	783.9	1243.3	24.7	14.7	1436.8	0.4	1436.8	76.59
Aug 2, 11:00 PM	2.6	1437.7	26.9	2.2	741.4	1176.1	24.4	14.7	1440.0	0.4	1440.0	76.61
Aug 3, 12:00 AM	3.5	1563.2	27.6	2.4	850.5	1345.9	24.1	14.7	1485.5	0.5	1485.5	76.99
Aug 3, 1:00 AM	3.8	1871.8	27.5	2.5	783.0	1238.9	24.0	14.7	1450.7	0.4	1450.7	78.38
Aug 3, 2:00 AM	3.8	1807.8	27.3	2.1	798.9	1264.0	24.0	14.7	1451.3	0.5	1451.3	79.48
Aug 3, 3:00 AM	3.3	1659.3	27.1	2.2	769.9	1217.7	24.0	14.7	1499.2	0.4	1499.2	80.30
Aug 3, 4:00 AM	3.5	1649.2	28.0	2.2	811.3	1282.0	23.6	14.7	1449.2	0.5	1449.2	80.61
Aug 3, 5:00 AM	3.7	1765.6	27.0	2.3	803.8	1268.5	23.2	14.7	1440.7	0.5	1440.7	80.34
Aug 3, 6:00 AM	3.3	1616.2	26.7	2.1	785.4	1237.9	22.8	14.7	1443.1	0.4	1443.1	80.89
Aug 3, 7:00 AM	3.4	1582.8	27.0	2.3	811.2	1278.2	22.7	14.7	1439.8	0.5	1439.8	81.83
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Component	SO2 Mass Rate		rbonyl Sulfide Carbon		NFlow	Flare Velocity	Flare	Flare Pressure	Net Heating	Flare Tip		SO2 Mass Rate
	(Kg/hr)	Sulfide (PPM/hr)	(PPM/hr)	(PPM/hr)	(Nm3/hr)	(m/hr)	Temperature (deg. C)	(PSIA)	Value (BTU/scf)	Velocity (m/s)	(BTU/scf)	(Kg/day)
Aug 3, 8:00 AM	3.9	1772.3	27.3	2.4	839.7	1323.5	22.8	14.7	1445.1	0.5	1445.1	82.90
Aug 3, 9:00 AM	2.9	1512.9	26.8	2.0	732.2	1151.8	22.1	14.7	1425.9	0.4	1425.9	82.73
Aug 3, 10:00 AM	2.8	1361.3	25.8	2.1	792.3	1243.0	21.4	14.7	1428.7	0.4	1428.7	82.72
Aug 3, 11:00 AM	3.8	1572.1	27.8	3.7	930.2	1459.2	21.2	14.7	1407.7	0.5	1407.7	83.19
Aug 3, 12:00 PM	3.0	1334.4	24.7	1.9	853.1	1339.0	21.5	14.7	1438.9	0.5	1438.9	81.92
Aug 3, 1:00 PM	4.0	1676.7	25.1	1.9	919.0	1451.2	23.3	14.7	1449.4	0.5	1449.4	82.60
Aug 3, 2:00 PM	3.9	1677.0	27.6	2.8	896.2	1429.1	26.2	14.7	1453.3	0.5	1453.3	83.15
Aug 3, 3:00 PM	4.1	1719.3	29.2	3.3	908.9	1457.9	28.0	14.7	1450.3	0.5	1450.3	83.37
Aug 3, 4:00 PM	4.7	1882.6	31.3	4.0	948.1	1532.4	30.3	14.7	1447.8	0.5	1447.8	84.57
Aug 3, 5:00 PM	5.1	2123.6	32.5	4.3	914.7	1478.4	30.3	14.7	1458.3	0.5	1458.3	85.60
Aug 3, 6:00 PM	4.4	1882.3	33.4	4.6	886.6	1426.8	29.0	14.7	1444.4	0.5	1444.4	86.52
Aug 3, 7:00 PM	3.7	1721.1	32.7	4.2	825.0	1327.0	28.8	14.7	1436.5	0.5	1436.5	86.51
Aug 3, 8:00 PM	3.2	1513.0	30.2	3.5	804.8	1290.4	27.9	14.7	1462.0	0.5	1462.0	86.55
Aug 3, 9:00 PM	3.2	1522.3	29.0	2.8	799.0	1274.3	26.3	14.7	1456.6	0.5	1456.6	86.71
Aug 3, 10:00 PM	3.1	1489.5	28.6	2.9	794.2	1261.1	25.0	14.7	1475.5	0.5	1475.5	86.80
Aug 3, 11:00 PM	3.1	1479.1	27.3	2.6	811.0	1282.9	23.8	14.7	1475.7	0.5	1475.7	87.32
Aug 4, 12:00 AM	3.6	1744.1	27.7	2.5	784.0	1233.9	22.3	14.7	1467.3	0.4	1467.3	87.41
Aug 4, 1:00 AM	3.2	1504.8	27.0	2.3	802.9	1259.1	21.2	14.7	1441.1	0.4	1441.1	86.75
Aug 4, 2:00 AM	2.9	1404.0	25.5	2.1	783.4	1226.2	20.7	14.7	1472.9	0.4	1472.9	85.86
Aug 4, 3:00 AM	2.8	1393.5	25.4	1.8	778.0	1215.8	20.2	14.7	1442.3	0.4	1442.3	85.36
Aug 4, 4:00 AM	2.8	1312.7	24.8	1.7	800.7	1248.5	19.4	14.7	1429.6	0.4	1429.6	84.61
Aug 4, 5:00 AM	3.2	1533.2	23.8	1.6	786.2	1223.0	18.9	14.7	1481.8	0.4	1481.8	84.06
Aug 4, 6:00 AM	2.8	1455.9	24.1	1.5	736.7	1144.2	18.4	14.7	1441.4	0.4	1441.4	83.54
Aug 4, 7:00 AM	3.4	1606.4	24.9	1.4	821.2	1277.5	18.8	14.7	1429.6	0.5	1429.6	83.63
Aug 4, 8:00 AM	3.9	1642.4	25.9	1.1	902.9	1413.4	20.6	14.7	1425.2	0.5	1425.2	83.60
Aug 4, 9:00 AM	4.2	1574.4	27.5	2.2	1010.4	1597.2	23.4	14.7	1431.9	0.6	1431.9	84.86
Aug 4, 10:00 AM	4.3	1712.3 1817.8	29.0	3.5	966.6	1552.1 1533.4	28.2	14.7	1434.9	0.6	1434.9	86.36
Aug 4, 11:00 AM	4.5		30.2	4.0	941.2		32.7	14.7	1464.2	0.5	1464.2	87.05
Aug 4, 12:00 PM	4.4	1828.6	32.7	4.5	908.7	1500.7	37.0	14.7	1459.2	0.5	1459.2	88.43
Aug 4, 1:00 PM	5.2	2250.5	34.1	5.0	884.5	1479.4	40.9	14.7	1453.3	0.5	1453.3	89.62
Aug 4, 2:00 PM	5.3 5.5	2225.3 2122.4	33.2 36.1	5.3 6.1	913.1	1523.5 1641.3	40.3	14.7	1479.5 1476.6	0.5 0.6	1479.5	91.01 92.39
Aug 4, 3:00 PM					983.8	1607.9	40.3	14.7	1476.6	0.6	1476.6	92.39
Aug 4, 4:00 PM Aug 4, 5:00 PM	5.3 5.2	2093.1 2214.2	36.3 36.2	5.9 5.7	972.2 901.8	1478.5	37.4 34.8	14.7 14.7	1480.9	0.5	1469.6 1480.9	93.03
Aug 4, 6:00 PM	7.5	2151.1	35.0	6.2	1266.4	2065.5	32.9	14.7	1415.6	0.5	1415.6	96.27
Aug 4, 7:00 PM	4.0	1727.1	29.3	4.3	887.0	1439.6	31.4	14.7	1423.7	0.7	1423.7	96.54
Aug 4, 7:00 PM	3.5	1657.5	30.0	3.5	804.3	1294.8	29.1	14.7	1482.7	0.5	1482.7	96.84
Aug 4, 9:00 PM	3.2	1583.3	30.1	3.6	770.6	1234.6	27.4	14.7	1473.1	0.4	1473.1	96.85
Aug 4, 9:00 PM	3.7	1803.8	30.0	3.5	780.0	1241.3	25.7	14.7	1428.4	0.4	1428.4	97.43
Aug 4, 11:00 PM	3.7	1822.0	29.0	3.4	769.2	1220.3	24.7	14.7	1426.1	0.4	1426.1	97.95
Aug 5, 12:00 AM	3.7	1788.9	27.6	3.2	780.2	1233.1	23.6	14.7	1449.9	0.4	1449.9	98.02
Aug 5, 1:00 AM	4.0	1948.8	28.3	2.9	782.1	1234.0	23.1	14.7	1449.3	0.4	1449.3	98.83
Aug 5, 2:00 AM	3.9	1908.4	27.4	2.5	781.5	1234.1	23.4	14.7	1457.2	0.4	1457.2	99.84
Aug 5, 3:00 AM	3.6	1837.0	27.2	2.6	747.5	1178.1	22.7	14.7	1435.0	0.4	1435.0	100.58
Aug 5, 4:00 AM	3.6	1823.2	26.7	2.5	759.9	1198.0	22.8	14.7	1439.9	0.4	1439.9	101.45
Aug 5, 5:00 AM	4.2	2125.6	27.7	2.4	749.0	1182.2	23.2	14.7	1461.5	0.4	1461.5	102.44
Aug 5, 6:00 AM	3.9	1960.8	28.8	3.0	753.3	1190.3	23.4	14.7	1424.1	0.4	1424.1	103.50
Aug 5, 7:00 AM	3.7	1781.5	27.1	2.9	767.3	1215.5	24.1	14.7	829.0	0.4	1419.0	103.72
Aug 5, 8:00 AM	4.0	1859.3	28.2	2.9	879.0	1399.0	25.5	14.7	1439.3	0.5	1439.3	103.85
Aug 5, 9:00 AM	6.1	1933.0	28.6	3.9	1198.9	1926.5	28.6	14.7	1493.5	0.7	1493.5	105.74
Aug 5, 10:00 AM	4.9	1321.6	26.5	3.1	1444.7	2341.1	31.8	14.7	1793.2	0.8	1793.2	106.34
Aug 5, 11:00 AM	4.5	1032.1	26.1	2.4	1656.3	2694.9	33.7	14.8	2034.8	1.0	2034.8	106.37
Aug 5, 12:00 PM	6.0	1325.0	26.7	2.6	1738.2	2857.8	37.0	14.8	2053.8	1.0	2053.8	108.06
Aug 5, 1:00 PM	6.1	1272.5	27.2	2.8	1821.4	2999.7	37.7	14.8	2110.0	1.1	2110.0	108.92
Aug 5, 2:00 PM	4.6	960.6	26.2	2.0	1808.3	2948.6	34.7	14.8	2164.3	1.1	2164.3	108.20
Aug 5, 3:00 PM	3.9	969.6	26.9	1.5	1539.5	2472.4	29.7	14.8	2169.3	0.9	2169.3	106.65
Aug 5, 4:00 PM	3.1	1201.1	26.9	1.3	1002.8	1583.3	25.0	14.8	1892.0	0.6	1892.0	104.45
Aug 5, 5:00 PM	4.3	1972.2	29.2	2.2	841.8	1340.7	26.2	14.7	1570.4	0.5	1570.4	103.55
Aug 5, 6:00 PM	4.3	1883.0	32.0	1.6	869.0	1383.8	26.0	14.7	1487.4	0.5	1487.4	100.36
Aug 5, 7:00 PM	3.8	1766.0	28.5	1.8	821.0	1306.3	25.7	14.7	1454.3	0.5	1454.3	100.16
Aug 5, 8:00 PM	3.5	1689.9	28.5	1.8	783.2	1244.7	25.3	14.7	1485.2	0.4	1485.2	100.12
Aug 5, 9:00 PM	3.9	1939.6	29.4	2.0	772.5	1225.3	24.7	14.7	1477.5	0.4	1477.5	100.82
Aug 5, 10:00 PM	3.7	1815.8	29.2	1.9	769.8	1218.8	24.1	14.7	1451.0	0.4	1451.0	100.79
Aug 5, 11:00 PM	3.6	1778.4	27.7	1.8	773.4	1222.1	23.6	14.7	1463.5	0.4	1463.5	100.72
Aug 6, 12:00 AM	4.0	2053.2	27.8	1.6	750.1	1181.6	22.7	14.7	1461.9	0.4	1461.9	101.09
Aug 6, 1:00 AM	3.8	1955.0	27.7	1.6	754.2	1185.8	22.1	14.7	1451.3	0.4	1451.3	100.95
Aug 6, 2:00 AM	3.8	1838.2	27.0	1.2	786.0	1235.4	22.0	14.7	1465.1	0.4	1465.1	100.83
Aug 6, 3:00 AM	3.5	1758.1	26.5	1.3	757.0	1188.5	21.7	14.7	1466.1	0.4	1466.1	100.72
Aug 6, 4:00 AM	3.8	1853.4	27.2	1.4	784.3	1230.3	21.3	14.7	1448.8	0.4	1448.8	100.88
Aug 6, 5:00 AM	4.3	2191.2	26.5	1.3	761.9	1193.3	20.8	14.7	1449.8	0.4	1449.8	101.08
Aug 6, 6:00 AM	3.7	1884.0	26.6	1.4	750.0	1173.1	20.4	14.7	1446.4	0.4	1446.4	100.90
Aug 6, 7:00 AM	3.6	1809.8	25.9	1.2	771.4	1205.9	20.3	14.7	1442.7	0.4	1442.7	100.87
Aug 6, 8:00 AM	3.6	1722.2	25.3	1.3	790.5	1237.4	20.6	14.7	1460.0	0.4	1460.0	100.43
Aug 6, 9:00 AM	3.8	1908.4	26.1	1.4	760.9	1189.7	20.3	14.7	1461.3	0.4	1461.3	98.16
				0.9	1555.9	2427.6	20.0	14.7	1194.3	0.9	1194.3	98.22
Aug 6, 10:00 AM	5.0	1178.5	17.9			1000 5						
Aug 6, 10:00 AM Aug 6, 11:00 AM	15.8	5580.5	25.0	2.1	1210.0	1883.2	19.4	14.7	1346.9	0.7	1346.9	109.47
Aug 6, 10:00 AM Aug 6, 11:00 AM Aug 6, 12:00 PM	15.8 31.8	5580.5 12034.2	25.0 42.7	2.1 2.2	1210.0 1003.7	1555.7	18.6	14.7	1698.0	0.6	1698.0	135.18
Aug 6, 10:00 AM Aug 6, 11:00 AM Aug 6, 12:00 PM Aug 6, 1:00 PM	15.8 31.8 35.4	5580.5 12034.2 14380.6	25.0 42.7 55.5	2.1 2.2 0.7	1210.0 1003.7 952.5	1555.7 1479.0	18.6 19.3	14.7 14.7	1698.0 1822.6	0.6 0.5	1698.0 1822.6	135.18 164.46
Aug 6, 10:00 AM Aug 6, 11:00 AM Aug 6, 12:00 PM	15.8 31.8	5580.5 12034.2	25.0 42.7	2.1 2.2	1210.0 1003.7	1555.7	18.6	14.7	1698.0	0.6	1698.0	135.18



Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	rbonyl Sulfide Car (PPM/hr)	bon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Aug 6, 4:00 PM	15.1	7444.5	45.8	0.6	786.7	1223.7	19.5	14.7	1671.2	0.4	1671.2	244.72
Aug 6, 5:00 PM	11.3	5570.6	39.5	0.4	787.2	1220.7	18.2	14.7	1584.9	0.4	1584.9	251.73
Aug 6, 6:00 PM	9.7	4898.0	37.1	0.3	765.7	1183.8	17.2	14.7	1528.5	0.4	1528.5	257.16
Aug 6, 7:00 PM	11.8	5448.3	37.2	0.8	832.8	1289.8	17.7	14.7	1509.6	0.5	1509.6	265.11
Aug 6, 8:00 PM	9.1	4549.2	35.3	0.4	777.6	1204.9	17.9	14.7	1511.3	0.4	1511.3	270.80
Aug 6, 9:00 PM	8.1	4131.3	34.4	0.2	759.1	1174.8	17.6	14.7	1513.2	0.4	1513.2	275.01
Aug 6, 10:00 PM	8.1	3974.0	34.2	0.3	783.3	1212.3	17.7	14.7	1528.2	0.4	1528.2	279.42
Aug 6, 11:00 PM	7.9	3812.2	33.2	0.4	799.2	1237.5	17.8	14.7	1539.5	0.4	1539.5	283.73
Aug 7, 12:00 AM	8.4	4157.7	33.2	0.8	781.4	1210.5	17.9	14.7	1492.3	0.4	1492.3	288.11
Aug 7, 1:00 AM	7.0	3489.7	31.3	0.6	774.2	1199.6	18.0	14.7	1488.6	0.4	1488.6	291.27
Aug 7, 2:00 AM	6.2	3254.1	30.9	0.6	729.7	1129.7	17.8	14.7	1488.3	0.4	1488.3	293.65
Aug 7, 3:00 AM	6.4	3226.7	31.4	0.9	762.6	1180.3	17.6	14.7	1469.0	0.4	1469.0	296.56
Aug 7, 4:00 AM	6.8	3498.5	32.1	1.3	755.2	1168.9	17.5	14.7	1458.2	0.4	1458.2	299.59
Aug 7, 5:00 AM	6.8	3527.4	30.7	0.6	741.8	1145.0	16.9	14.7	1559.6	0.4	1559.6	302.00
Aug 7, 6:00 AM	5.8	2952.2	29.7	0.7	756.0	1164.3	16.2	14.7	1491.8	0.4	1491.8	304.11
Aug 7, 7:00 AM	6.2	2983.3	29.3	1.1	799.6	1234.1	16.7	14.7	1417.3	0.4	1447.7	306.66
Aug 7, 8:00 AM	9.1	3565.5	32.9	2.4	978.2	1521.0	18.9	14.7	1443.9	0.5	1443.9	312.19
Aug 7, 9:00 AM	7.7	3027.5	33.1	1.9	984.1	1546.4	21.9	14.7	1471.0	0.6	1471.0	316.14
Aug 7, 10:00 AM	8.0	3239.3	35.1	2.8	945.1	1501.2	25.2	14.7	1474.8	0.5	1474.8	319.12
Aug 7, 11:00 AM	6.8	2987.6	34.5	4.0	879.3	1412.7	28.6	14.7	1468.4	0.5	1468.4	310.18
Aug 7, 12:00 PM	7.3	3237.5	34.6	3.8	871.0	1420.8	33.3	14.7	1504.9	0.5	1504.9	285.75
Aug 7, 1:00 PM	7.0	3131.6	35.3	4.0	862.5	1424.9	37.2	14.7	1483.0	0.5	1483.0	257.42
Aug 7, 2:00 PM	7.1	3071.0	34.6	4.1	884.1	1465.8	38.3	14.7	1494.2	0.5	1494.2	221.39
Aug 7, 2:00 PM	8.1	3350.7	35.6	4.7	930.5	1532.4	36.3	14.7	1494.2	0.5	1494.2	195.82
Aug 7, 4:00 PM	9.4	3737.8	35.8	4.7	977.8	1592.6	32.8	14.7	1492.8	0.6	1497.8	190.13
Aug 7, 4:00 PM	8.1	3293.1	34.9	4.6	938.3	1512.1	29.6	14.7	1513.7	0.5	1513.7	186.83
Aug 7, 6:00 PM	6.9	3102.1	34.2	4.3	857.2	1371.6	27.5	14.7	1499.1	0.5	1499.1	184.05
Aug 7, 7:00 PM	6.6	3144.2	34.4	3.3	804.5	1278.7	25.5	14.7	1498.6	0.5	1498.6	178.87
Aug 7, 7:00 PM					760.2					0.4	1505.5	176.03
• .	6.3 5.2	3188.0 2809.0	32.2 30.8	3.1 2.8	715.2	1198.0 1117.9	22.9 20.6	14.7 14.7	1505.5 1490.6	0.4	1490.6	173.14
Aug 7, 9:00 PM												173.14
Aug 7, 10:00 PM	5.0	2617.5	29.5	2.5	734.5	1142.3	19.0	14.7	1464.0	0.4	1464.0	
Aug 7, 11:00 PM	6.3	3117.0	29.2	2.5	779.2	1208.2 1170.7	18.1	14.7	1450.8		1450.8	168.47
Aug 8, 12:00 AM	5.7	2893.4	27.9	2.4	756.3		17.6	14.7	1491.9	0.4	1491.9	165.75
Aug 8, 1:00 AM	5.5	2860.0	28.8	2.7	740.8	1146.6	17.5	14.7	1449.5	0.4	1449.5	164.25
Aug 8, 2:00 AM	5.5	2793.0	29.1	2.9	753.5	1169.1	18.3	14.7	1434.5	0.4	1434.5	163.56
Aug 8, 3:00 AM	6.1	3074.2	29.0	2.7	767.1	1192.0	18.7	14.7	1438.7	0.4	1438.7	163.29
Aug 8, 4:00 AM	6.2	3078.8	29.2	2.7	781.9	1215.4	18.9	14.7	1464.7	0.4	1464.7	162.72
Aug 8, 5:00 AM	6.4	3178.8	29.2	2.9	769.8	1198.3	19.3	14.7	1447.4	0.4	1447.4	162.32
Aug 8, 6:00 AM	6.1	3005.4	29.8	3.0	778.6	1213.4	19.6	14.7	1437.1	0.4	1437.1	162.60
Aug 8, 7:00 AM	6.3	3026.4	30.2	3.1	801.9	1251.1	19.9	14.7	1431.8	0.4	1431.8	162.71
Aug 8, 8:00 AM	8.2	3527.0	32.0	4.2	904.1	1418.1	21.6	14.7	1414.7	0.5	1414.7	161.84
Aug 8, 9:00 AM	6.1	2872.9	30.2	3.5	814.3	1285.8	23.6	14.7	1436.9	0.5	1436.9	160.17
Aug 8, 10:00 AM	6.7	2862.1	31.8	3.9	897.2	1425.4	25.4	14.7	1440.2	0.5	1440.2	158.88
Aug 8, 11:00 AM	7.1	3028.8	32.3	4.8	902.4	1446.8	28.2	14.7	1445.1	0.5	1445.1	159.16
Aug 8, 12:00 PM	6.8	3087.1	33.2	5.0	851.9	1375.8	30.4	14.7	1442.6	0.5	1442.6	158.67
Aug 8, 1:00 PM	6.9	2898.7	32.5	4.8	911.8	1461.4	28.2	14.7	1449.9	0.5	1449.9	158.56
Aug 8, 2:00 PM	7.3	3143.2	33.9	5.6	887.8	1450.5	34.0	14.7	1447.9	0.5	1447.9	158.76
Aug 8, 3:00 PM	7.1	2874.3	34.5	5.9	948.1	1554.6	35.2	14.7	1463.0	0.6	1463.0	157.75
Aug 8, 4:00 PM	7.2	2873.9	34.9	6.8	957.8	1558.4	32.7	14.7	1446.1	0.6	1446.1	155.49
Aug 8, 5:00 PM	5.9	2198.5	30.6	5.6	1024.3	1661.4	32.0	14.7	1553.8	0.6	1553.8	153.37
Aug 8, 6:00 PM	5.2	2023.4	29.7	4.7	991.5	1597.7	30.3	14.7	1658.6	0.6	1658.6	151.70
Aug 8, 7:00 PM	5.6	2281.9	29.9	4.4	941.9	1513.2	29.5	14.7	1686.4	0.5	1686.4	150.75
Aug 8, 8:00 PM	5.0	2227.0	28.4	4.0	855.1	1365.7	27.6	14.7	1695.3	0.5	1695.3	149.45
Aug 8, 9:00 PM	4.7	2382.9	29.1	3.9	766.0	1214.9	25.5	14.7	1604.3	0.4	1604.3	148.98
Aug 8, 10:00 PM	5.2	2612.6	30.5	3.2	762.9	1208.8	24.9	14.7	1536.4	0.4	1536.4	149.17
Aug 8, 11:00 PM	5.5	2717.3	31.9	2.9	777.4	1231.3	24.7	14.7	1492.7	0.4	1492.7	148.37
Aug 9, 12:00 AM	5.7	2773.8	31.2	2.9	784.3	1241.7	24.6	14.7	1493.2	0.4	1493.2	148.34
Aug 9, 1:00 AM	5.2	2591.9	31.2	3.0	770.6	1219.8	24.6	14.7	1486.6	0.4	1486.6	148.04
Aug 9, 2:00 AM	5.4	2705.5	31.6	3.2	771.5	1220.3	24.3	14.7	1473.9	0.4	1473.9	148.00
Aug 9, 3:00 AM	5.9	2903.9	31.1	3.0	786.7	1243.3	24.1	14.7	1466.9	0.4	1466.9	147.83
Aug 9, 4:00 AM	6.4	3079.6	32.7	3.9	799.6	1263.5	24.0	14.7	1475.7	0.5	1475.7	147.98
Aug 9, 5:00 AM	5.4	2636.0	30.2	3.4	786.2	1242.0	23.9	14.7	1466.3	0.4	1466.3	147.02
Aug 9, 6:00 AM	4.8	2445.0	29.8	3.2	752.4	1186.9	23.3	14.7	1461.1	0.4	1461.1	145.74
Aug 9, 7:00 AM	4.5	2242.8	26.5	2.7	771.0	1211.9	22.3	14.7	856.8	0.4	1471.9	143.99
Aug 9, 8:00 AM	4.7	2350.6	27.9	2.9	773.2	1215.3	22.0	14.7	1463.6	0.4	1463.6	140.44
Aug 9, 9:00 AM	6.4	3139.6	29.2	3.4	795.8	1255.2	22.4	14.7	1432.8	0.4	1432.8	140.81
Aug 9, 10:00 AM	7.6	3150.4	29.7	3.0	913.7	1453.0	23.2	14.6	1464.2	0.5	1464.2	141.69
Aug 9, 11:00 AM	6.9	3164.8	32.9	2.5	836.7	1335.6	24.1	14.6	1482.0	0.5	1482.0	141.43
Aug 9, 12:00 PM	9.4	4003.7	35.5	4.1	908.3	1445.1	25.5	14.7	1469.3	0.5	1469.3	144.03
Aug 9, 1:00 PM	7.8	3302.8	33.3	3.8	914.1	1479.6	30.9	14.7	1484.1	0.5	1484.1	144.94
Aug 9, 2:00 PM	7.6	2653.7	33.8	3.5	1097.4	1789.1	33.3	14.7	1553.6	0.6	1553.6	145.24
Aug 9, 3:00 PM	6.4	2114.1	32.0	5.5	1160.7	1902.5	35.1	14.7	1632.8	0.7	1632.8	144.58
Aug 9, 4:00 PM	6.0	2307.5	33.1	5.9	1003.6	1636.1	33.4	14.7	1605.9	0.6	1605.9	143.43
Aug 9, 5:00 PM	5.4	2164.6	33.8	5.7	953.8	1542.7	30.7	14.7	1509.1	0.6	1509.1	142.93
Aug 9, 6:00 PM	4.4	1842.7	32.0	5.2	902.4	1449.3	28.5	14.7	1464.4	0.5	1464.4	142.05
Aug 9, 7:00 PM	4.2	1826.3	30.7	4.7	868.9	1386.4	26.5	14.7	1452.1	0.5	1452.1	140.59
Aug 9, 8:00 PM	4.3	2092.1	31.0	4.9	789.5	1249.4	24.0	14.7	1438.7	0.4	1438.7	139.86
Aug 9, 9:00 PM	3.2	1674.5	27.4	3.3	729.6	1145.5	21.7	14.7	1438.3	0.4	1438.3	138.31
Aug 9, 10:00 PM	3.6	1839.5	26.9	2.6	750.1	1172.6	20.4	14.7	1433.7	0.4	1433.7	136.74
Aug 9, 11:00 PM	3.4	1717.2	26.7	2.4	763.6	1192.7	20.1	14.7	1414.9	0.4	1414.9	134.66
J =,	0				. 50.0		20.1			0.7		. 500



Age 19-back 35 1788 203 205 206 190 100 147 1485 0.4 1485 1486 1485 1486 1485 1486 1485 1486 1485 1486	Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	rbonyl Sulfide Car (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	(Kg/day)
Aug 20 Aug Aug 20 Aug A													132.46
Age March 200 AM													
Age 14.0 May 1.70 30916 703 77 870 11036 772 14.7 14.55 0.4 14.05 17.05 17.05 17.7 17.7 17.0	_												
Augh 1, 19, 19, 19, 19, 19, 19, 19, 19, 19,	-												
Aug 10 200 Aug 1	_												
Aug 17, 20 Aug 1, 20 Aug	_												
Aug 16.00 and 14	_												
Age 16 000 May 1 1953													
Age													
Angle 1.00 Angl	•												
Age 17.00 PM		3.7	1557.8	28.3	3.6	896.9	1435.3	27.4		1435.5	0.5	1435.5	110.91
Agg 10, 200 PM	Aug 10, 12:00 PM	4.0	1623.9	29.7	3.8	943.5	1521.7	29.8	14.7	1425.6	0.5	1425.6	105.49
Age	Aug 10, 1:00 PM	5.0	1955.3	30.3	4.4	970.2	1570.5	31.0	14.7	1456.5	0.6	1456.5	102.66
Age 19.000 M	Aug 10, 2:00 PM	5.8	2134.6	31.4	4.9	1032.7	1662.9	29.7	14.7	1563.7	0.6	1563.7	100.88
Amen	_				5.4								
Aug 10, 200 PM	_												
Age 16,760PM													
Aug 10, 200 PM 39 5896 280 40 7582 11047 220 147 14442 0.6 14442 00.5 1500 PM 39 5896 284 30 7882 1207 1207 1406 0.6 4 1405 00.5 1500 PM 39 5896 284 30 7882 1207 1207 1407 1406 0.6 4 1405 00.5 1500 PM 39 5896 1207 1407 1407 1407 1500 PM 39 5896 1407 1407 1407 1407 1500 PM 39 5896 1407 1407 1407 1407 1407 1407 1407 1407													
Aug 19, 100 DM													
Ag 16, 100 PM 42 2013 28 7828 12280 217 147 1471 1483 04 1485 1053 Ag 17, 1200 AM 41 2012 273 30 7838 12280 214 147 1420 04 1462 1053 1053 Ag 17, 1200 AM 43 30 304 273 30 7838 12280 214 147 1420 04 1462 1050 1050 Ag 17, 1200 AM 43 30 304 273 30 30 7838 11810 183 147 1420 04 1462 04 1462 1050 1050 Ag 17, 1200 AM 43 30 304 273 30 30 7838 11810 183 147 1442 04 1462 04 1462 1050 AM 41, 1200 AM 43 30 304 273 30 30 7838 11810 183 147 1447 1468 04 1464 1464 1464 1464 1464 1464 1464 1	_												
Agg 11, 100 PM 41 20041	_												
Aug 11,1200 AM	_												
Aug 11, 100 AM 30 2042 275 30 7780 11910 186 147 1492 04 1492 1094 Aug 11, 100 AM 31 1794 290 27 7750 11940 1777 147 1486 04 1496 1094 1496 1094 Aug 11, 100 AM 32 1792 26 26 20 77850 11940 1774 147 1486 04 1496 1094 1496 1094 1496 1094 1496 1994 1496 1994 1497 1498 1498 1498 1498 1498 1498 1498 1498	_												
Aug 11, 200 AM	_												
Aug 11, 300 AM Aug 11, 400 AM Aug 11, 500 AM	•												
Aug 11, 500 AM 3.5 1689.4 25.0 1.9 7867 1238.8 18.2 14.7 1485.1 0.4 1485.1 104.87 Aug 11, 500 AM 3.3 1621.8 25.4 2.1 77.3 1201.4 18.0 14.7 1482.5 1051.2 Aug 11, 700 AM 3.2 1653.3 24.9 2.1 78.2 1234.4 18.3 14.7 1442.2 0.5 1442.2 104.8 Aug 11, 700 AM 3.5 1605.2 25.4 2.1 85.6 1381.2 18.8 14.7 1442.2 0.5 1442.2 104.8 Aug 11, 700 AM 4.4 1863.5 25.7 2.3 902.8 1381.2 18.8 14.7 1442.2 0.5 1442.2 104.8 Aug 11, 700 AM 4.4 1863.5 25.7 2.3 902.8 18.8 1865.0 21.1 14.7 1442.2 0.5 1442.2 104.8 Aug 11, 700 AM 4.4 1863.5 25.7 2.3 902.8 18.8 1865.0 21.1 14.7 1442.2 0.5 1442.2 104.8 Aug 11, 1200 AM 4.4 1863.5 25.7 2.8 902.8 1483.8 1483.0 2.8 1447 1477.7 0.5 1477.7 1042.2 104.8 Aug 11, 1200 AM 4.9 1853.1 28.9 0.4 83.8 1483.0 2.8 1447 1477.7 0.5 1477.7 104.7 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.7 104.2 1477.2 104.2 104.2 104.2 104.2 104.2 104.2 104.2 104.2 104.2 104.2 104.2 104	Aug 11, 3:00 AM	3.5	1742.5	25.6	2.0	763.0	1180.2	17.4		1449.5	0.4	1449.5	107.05
Aug 11, 000 AM 3.3 1621.8 25.4 2.1 772.3 1201.4 150. 14.7 1425.5 0.4 1425.5 00.5 1446.6 1051.0 Aug 11, 000 AM 3.5 1603.2 24.9 2.1 78.99 1201.4 153.1 14.7 1446.2 0.5 1446.6 1051.0 Aug 11, 000 AM 3.5 1605.2 25.4 2.1 885.6 1361.2 158.8 14.7 1447.2 0.5 1447.9 104.80 Aug 11, 1000 AM 4.0 1627.7 2.2 3.8 92.8 1555.0 21.1 14.7 1447.9 0.6 147.9 104.80 Aug 11, 1000 AM 4.0 1627.7 28.8 0.5 25.7 2.3 928.8 1555.0 24.0 14.7 1459.8 0.5 1459.8 10.5 14	Aug 11, 4:00 AM	4.3	2067.2	26.3	2.2	799.1	1235.4	17.2	14.7	1451.2	0.4	1451.2	104.34
Aug 11, 200 AM Aug 11, 1100 AM Aug 11, 100 AM A	Aug 11, 5:00 AM	3.5	1658.4	25.0	1.9	799.7	1239.8	18.2	14.7	1458.1	0.4	1458.1	104.57
Aug 11, 800 AM	Aug 11, 6:00 AM		1621.8	25.4	2.1	772.3		19.0	14.7		0.4	1432.5	105.12
Aug 11, 900 AM	_				2.1								105.15
Aug 11, 1000 AM													
Aug 11, 100 DM													
Aug 11, 12,00 PM 4.9 1530.1 29.9 1.8 1142.4 1837.0 28.8 14.7 1426.2 0.7 1428.2 106.07 Aug 11, 12,00 PM 3.8 1302.8 27.6 2.9 1098.8 1178.8 2.8 6.1 14.7 1433.9 1048.8 Aug 11, 200 PM 4.0 1300.6 20.0 3.3 1155.7 1864.2 26.6 14.7 1491.2 0.7 1419.2 103.02 Aug 11, 30.0 PM 3.9 1246.0 27.3 3.3 1155.7 1864.2 26.6 14.7 1419.2 0.7 1419.2 103.02 Aug 11, 40.0 PM 3.7 1234.3 27.2 3.8 1131.1 1824.4 29.7 14.7 1471.7 0.7 1471.7 0.7 1471.7 0.8 4.0 Aug 11, 50.0 PM 3.7 1234.3 27.2 3.8 1131.1 1824.4 29.7 14.7 1471.7 0.7 1471.7 0.8 4.0 Aug 11, 50.0 PM 3.5 1264.7 26.7 3.5 1044.9 1655.0 28.8 14.7 1425.2 0.6 1425.5 282.0 Aug 11, 80.0 PM 3.5 1264.7 26.7 3.5 1044.9 1656.7 24.5 14.7 1432.2 0.6 1422.2 0.5	_												
Aug 11,100 PM													
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Aug 11, 4:00 PM 3.7 1234.3 27.2 3.8 1131.1 1292.4 267 14.7 1477.7 0.7 1477.7 98.43. Aug 11, 5:00 PM 3.7 1388.1 27.0 4.0 1034.7 1653.0 28.8 14.7 1455.3 0.8 1455.3 98.31 Aug 11, 6:00 PM 3.5 1264.7 26.7 3.5 1008.5 1593.1 12.2 4.5 14.7 1432.2 0.6 1432.2 94.5 1 Aug 11, 7:00 PM 3.5 1264.7 26.7 3.5 1008.5 1593.1 12.2 14.7 1432.2 0.5 1432.2 94.5 1 Aug 11, 8:00 PM 3.5 1478.6 27.2 3.6 90.8 142.1 21.9 14.7 1422.2 0.5 1422.2 91.3 1 Aug 11, 9:00 PM 3.5 1478.6 27.2 3.6 90.8 142.1 21.9 14.7 1422.3 0.5 1422.2 91.3 1 Aug 11, 10:00 PM 2.7 1100.4 25.2 2.2 808.6 1376.7 20.3 14.7 1405.1 0.5 1405.1 89.1 1 Aug 11, 10:00 PM 2.8 1152.1 24.7 2.2 908.1 1418.5 0.0 14.7 1405.1 0.5 1405.1 89.1 1 Aug 11, 10:00 PM 3.0 1331.0 25.5 2.7 800.4 1343.4 20.0 14.7 1405.1 0.5 1405.1 89.1 1 Aug 12, 12:00 AM 3.0 1331.0 25.5 2.7 800.4 1343.4 20.0 14.7 1423.1 0.5 1423.1 86.5 1 Aug 12, 10:00 AM 2.7 1104.3 23.9 2.6 920.6 1423.1 18.2 14.7 1407.0 0.5 1440.1 18.6 1 Aug 12, 200 AM 2.7 1104.3 23.9 2.6 920.6 1423.1 18.2 14.7 1407.0 0.5 1417.9 84.0 1 Aug 12, 200 AM 2.7 1104.3 23.9 2.6 920.6 1423.1 18.2 14.7 1407.0 0.5 1417.9 84.0 1 Aug 12, 200 AM 2.7 1104.3 23.9 2.6 920.6 1423.1 18.2 14.7 1407.0 0.5 1417.9 84.0 1 Aug 12, 200 AM 2.7 1104.3 23.9 2.5 806.9 1380.4 17.6 14.7 1407.0 0.5 1417.9 84.0 1 Aug 12, 200 AM 2.7 1122.7 24.3 2.5 806.9 1380.4 17.6 14.7 1407.0 0.5 1407.1 84.2 1 Aug 12, 200 AM 3.0 1265.5 23.3 2.1 882.7 1383.4 17.6 14.7 1407.0 0.5 1407.1 84.2 1 Aug 12, 200 AM 3.0 1265.5 23.3 2.1 882.7 1374.3 15.7 14.7 1410.8 0.5 1417.9 84.0 14.7 142.2 14.7 1410.7 0.5 1417.9 84.0 14.7 142.2 14.7 142.0 14.	_												
Aug 11, 500 PM 37 1388.1 27.0 4.0 1034.7 1655.0 28.8 14.7 1455.3 0.6 1455.3 98.3 1 Aug 11, 700 PM 3.5 1264.7 26.7 3.5 1044.9 1656.7 24.5 14.7 1432.2 0.6 1432.2 94.5 1 Aug 11, 700 PM 3.4 1288.4 27.1 3.5 1088.5 1993.1 23.4 14.7 1425.7 0.6 1425.7 22.2 8 Aug 11, 800 PM 3.5 1478.6 27.2 3.6 904.8 1422.1 19 14.7 1422.0 0.5 1422.2 91.38 Aug 11, 900 PM 3.1 1285.8 28.2 2.6 833.7 1399.2 20.7 14.7 1430.3 0.5 1430.3 90.48 Aug 11, 100 PM 2.8 1152.1 24.7 2.2 988.1 1376.2 20.3 14.7 1405.1 0.5 1405.1 1407.4 1417.9 0.5 1417.9 827.7 Aug 12, 120 AM 3.0 131.0 25.5 2.7 860.4 1343.4 20.0 14.7 1417.9 0.5 1417.9 827.7 Aug 12, 120 AM 2.8 1152.2 24.7 2.5 922.4 1434.8 18.8 14.7 1409.1 0.5 1409.1 865.4 Aug 12, 500 AM 2.8 1152.2 24.7 2.5 922.4 1434.8 18.8 14.7 1409.1 0.5 1409.1 865.4 Aug 12, 500 AM 2.7 1104.3 23.9 2.6 920.6 1429.1 18.2 14.7 1417.0 0.5 1417.7 84.92 Aug 12, 500 AM 2.7 1104.3 23.9 2.6 920.6 1429.1 14.2 14.7 1417.0 0.5 1417.7 84.92 Aug 12, 500 AM 2.7 104.3 23.9 2.6 920.6 1429.1 14.2 14.7 1417.0 0.5 1417.7 84.92 Aug 12, 500 AM 2.7 103.1 14.0 14.5 14.0 14.7 1417.9 0.5 1417.9 84.02 Aug 12, 500 AM 2.7 103.1 14.0 14.5 14.0 14.7 1417.9 0.5 1417.9 84.02 Aug 12, 500 AM 3.0 1266.5 23.3 2.1 892.7 1374.3 15.7 14.7 1410.8 0.5 1410.8 83.83 Aug 12, 500 AM 2.9 1242.5 22.7 2.2 917.4 1412.7 15.7 14.7 1410.8 0.5 1439.8 43.2 Aug 12, 500 AM 3.0 1266.5 23.3 2.1 892.7 1374.3 15.7 14.7 1410.8 0.5 1439.8 8.8 Aug 12, 500 AM 3.4 1250.7 28.5 14.5 14.7 1410.8 0.5 1439.8 8.8 Aug 12, 500 AM 3.4 1250.7 28.5 14.7 1410.8 0.5 1439.8 8.8 Aug 12, 500 AM 3.4 126.7 28.5 14.7 1410.8 0.5 1439.8 8.8 Aug 12, 500 AM 3.4 126.7 28.5 14.7 14.7 14.7 14.7 14.7 14.7 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0													
Aug 11, 600 PM 3.5 126.7 26.7 3.5 1044.9 1656.7 24.5 14.7 1432.2 0.6 1432.2 94.5 1 Aug 11, 100 PM 3.4 1288.4 27.1 3.5 1086.5 1599.1 23.4 14.7 1425.7 0.6 1425.7 0.6 1425.7 0.8 Aug 11, 800 PM 3.5 1476.6 27.2 3.6 90.48 142.1 21.9 14.7 1420.3 0.5 1420.3 0.5 1420.3 0.5 Aug 11, 100 PM 2.7 1160.4 25.2 2.2 880.6 1376.7 20.3 14.7 1405.1 0.5 1405.1 881.9 Aug 11, 100 PM 2.7 1160.4 25.2 2.2 980.1 1415.2 20.0 14.7 1407.9 0.5 1417.9 87.77 Aug 12, 120 0.M 3.0 1331.0 25.5 2.7 880.4 1345.4 20.0 14.7 1406.1 0.5 1405.1 881.9 Aug 12, 120 0.M 2.8 1152.2 24.7 2.5 922.4 1434.8 18.8 14.7 1406.1 0.5 1402.1 865.8 Aug 12, 200 0.M 2.7 1104.3 23.9 2.6 920.6 1420.1 12.2 14.7 1410.7 0.5 1410.7 882.4 Aug 12, 200 0.M 2.7 1104.3 23.9 2.6 920.6 1420.1 12.2 14.7 1410.7 0.5 1410.7 843.2 Aug 12, 200 0.M 4.5 1804.2 25.4 2.8 954.4 1472.8 15.4 147.1 1410.7 0.5 1410.7 843.2 Aug 12, 200 0.M 4.5 1804.2 25.4 2.8 954.4 1472.8 15.4 14.7 1401.9 0.5 1431.9 863.4 Aug 12, 200 0.M 2.7 1122.7 24.3 2.5 889.9 13894.1 17.6 14.7 1410.1 0.5 1410.7 843.2 Aug 12, 200 0.M 2.7 122.7 24.3 2.5 889.9 13894.1 17.6 14.7 1410.1 0.5 1410.7 843.2 Aug 12, 200 0.M 2.7 122.7 24.3 2.5 889.9 13894.1 17.6 14.7 1410.7 0.5 1410.7 843.2 Aug 12, 200 0.M 2.7 122.7 24.3 2.5 889.9 13894.1 17.6 14.7 1410.7 0.5 1410.7 843.2 Aug 12, 200 0.M 3.0 1266.5 23.3 2.1 82.7 1374.3 15.7 14.7 1410.8 0.5 1431.9 843.2 Aug 12, 200 0.M 2.4 1036.1 23.0 2.2 878.9 1381.9 15.4 14.7 1431.9 0.5 1431.9 843.2 Aug 12, 200 0.M 3.4 1156.0 26.7 3.3 104.8 1725.2 1374.3 14.7 1395.4 0.5 1386.4 82.8 Aug 12, 200 0.M 3.4 1156.0 26.7 3.3 104.8 1725.2 18.8 14.7 1431.3 0.6 1431.3 0.6 1431.3 0.6 84.0 142.1 142.0 0.6 1432.8 143.4 143.1 0.5 1430.8 83.3 140.8 1725.2 140.8 140.8 1725.2 140.8 140.8 1725.2 140.8 1	_												
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Aug 11, 900 PM Aug 11, 1000 PM Aug 11, 1000 PM Aug 11, 1100 PM 28 1152,1 247 22 908.1 1416.5 20.0 147 1417,9 0.5 1419.3 19.4 Aug 11, 1100 PM Aug 11, 1100 PM 28 1152,1 247 22 908.1 1416.5 20.0 147 1417,9 0.5 1417,9 87.7 Aug 12, 1200 AM Aug 12, 100 AM 28 1152,2 247 25 92.4 1434.8 18.8 14.7 1409.1 0.5 1403.1 85.54 Aug 12, 100 AM 28 1152,2 247 25 92.4 1434.8 18.8 14.7 1409.1 0.5 1409.1 85.54 Aug 12, 200 AM 27 1104.3 239 2.6 920.6 1423.1 18.2 14.7 1410.7 0.5 1410.7 84.92 Aug 12, 200 AM 27 1102,7 24.3 2.5 896.9 1389.4 176.6 14.7 1410.5 0.5 1410.7 84.92 Aug 12, 200 AM 3.0 1260.5 23.3 2.1 892.7 1374.3 15.7 14.7 1410.8 0.5 1401.8 83.8 Aug 12, 500 AM 3.0 1260.5 23.3 2.1 892.7 1374.3 15.7 14.7 1410.8 0.5 1401.8 83.8 Aug 12, 500 AM 3.0 1260.5 23.3 2.1 892.7 1374.3 15.7 14.7 1410.8 0.5 1410.8 83.8 Aug 12, 500 AM 3.0 1260.5 23.3 2.2 878.9 1351.9 15.4 14.7 1395.4 0.5 1395.4 82.6 Aug 12, 500 AM 3.0 1176.5 25.2 2.3 998.7 1546.7 17.3 14.7 1397.0 0.6 1397.0 82.18 Aug 12, 500 AM 3.0 1176.5 25.2 2.3 998.7 1546.7 17.3 14.7 1397.0 0.6 1397.0 82.18 Aug 12, 100 AM 3.4 1128.7 26.9 3.9 1064.7 1678.8 22.9 14.7 1413.3 0.6 1413.3 80.56 Aug 12, 100 AM 3.4 1228.7 26.9 3.9 1064.7 1678.8 22.9 14.7 1413.3 0.6 1413.3 80.56 Aug 12, 100 AM 3.5 1382.8 30.2 5.7 991.5 156.4 3.7 14.7 142.9 0.6 1422.9 80.5 Aug 12, 100 AM 3.6 1296.7 28.5 4.6 100.8 1688.8 26.2 14.7 1413.8 0.6 1413.8 9.65 Aug 12, 100 AM 3.6 1296.7 28.5 4.6 100.8 1688.8 26.2 14.7 1413.8 0.6 1413.8 9.65 Aug 12, 100 AM 3.7 126.7 28.5 4.6 100.8 1688.8 26.2 14.7 1413.4 0.5 1416.8 79.26 Aug 12, 100 AM 3.4 1228.7 26.9 3.9 1064.7 1678.8 22.9 14.7 1413.8 0.6 1413.8 79.26 Aug 12, 100 AM 3.5 1382.8 30.2 5.7 991.5 1577.8 28.7 14.7 1422.0 0.6 1422.9 0.7 8.8 Aug 12, 200 PM 3.5 1382.8 30.2 5.7 991.5 1577.8 28.7 14.7 1422.0 0.6 1422.9 0.7 8.8 Aug 12, 200 PM 3.5 1382.8 30.2 5.7 991.5 1577.8 28.7 14.7 1422.0 0.6 1422.9 76.8 Aug 12, 200 PM 3.5 1382.8 30.2 5.7 991.5 1577.8 28.7 14.7 1442.0 0.5 1444.4 76.0 5 Aug 12, 200 PM 3.6 1382.9 24.8 3.4 88.9 1403.4 22.4 14.7 1441.0 0.5 1441.4 76.2 Aug 12, 200 PM 3.6 1432	Aug 11, 7:00 PM	3.4	1288.4	27.1	3.5	1008.5	1593.1	23.4	14.7	1425.7	0.6	1425.7	92.20
Aug 11, 10,00 PM	Aug 11, 8:00 PM	3.5	1478.6	27.2	3.6	904.8	1422.1	21.9	14.7	1422.2	0.5	1422.2	91.36
Aug 11, 11:00 PM 2.8 1152.1 24.7 2.2 998.1 1418.5 20.0 14.7 1417.9 0.5 1417.9 87.77 Aug 12 12:00 AM 3.0 1331.0 25.5 2.7 880.4 133.3 4 20.0 14.7 1423.1 0.5 1423.1 86.63 Aug 12, 100 AM 2.8 1152.2 24.7 2.5 922.4 1434.8 18.8 14.7 1409.1 0.5 1409.1 85.54 Aug 12, 200 AM 2.7 1104.3 23.9 2.8 920.6 1429.1 18.2 14.7 1410.7 0.5 1410.7 0.5 1410.7 Aug 12, 300 AM 4.5 1804.2 25.4 2.8 96.4 1472.8 16.4 14.7 1417.5 0.5 1417.5 0.5 1417.5 Aug 12, 300 AM 4.5 1804.2 25.4 2.8 96.4 1472.8 16.4 14.7 1417.5 0.5 1431.9 84.32 Aug 12, 600 AM 3.0 1266.5 23.3 2.1 89.2 7 374.3 15.7 14.7 1410.8 0.5 1410.8 38.88 Aug 12, 600 AM 2.4 1036.1 23.0 2.2 878.9 1351.9 15.4 14.7 1395.4 0.5 1395.4 82.9 Aug 12, 600 AM 3.0 1176.5 25.2 2.3 98.7 1546.7 17.3 14.7 812.9 0.5 1398.7 82.62 Aug 12, 800 AM 3.0 1176.5 25.2 2.3 98.7 1546.7 17.3 14.7 1397.0 0.6 1397.0 82.1 Aug 12, 1000 AM 3.4 128.7 26.9 3.3 1064.7 1679.8 22.9 14.7 1413.3 0.6 1431.3 80.58 Aug 12, 1000 AM 3.4 128.7 26.9 3.9 1064.7 1679.8 22.9 14.7 1413.3 0.6 1431.3 80.58 Aug 12, 1100 AM 3.6 1296.7 28.5 46 1040.8 1659.8 22.9 14.7 1413.3 0.6 1413.3 80.58 Aug 12, 1100 AM 3.6 1296.7 28.5 46 1040.8 1659.8 22.9 14.7 1413.3 0.6 1413.8 0.5 1413.8 0.	•	3.1	1295.8	26.2	2.6	893.7	1399.2	20.7	14.7	1430.3	0.5	1430.3	90.49
Aug 12, 12:00 AM	Aug 11, 10:00 PM								14.7			1405.1	89.19
Aug 12, 1:00 AM	_												
Aug 12, 200 AM 27 1104.3 23.9 2.6 920.6 1429.1 18.2 14.7 1410.7 0.5 1410.7 94.92 Aug 12, 300 AM 2.7 1122.7 24.3 2.5 896.9 1389.4 17.6 14.7 1417.5 0.5 1417.5 84.10 Aug 12, 400 AM 4.5 1804.2 25.4 2.8 954.4 1472.8 16.4 14.7 1431.9 0.5 1431.9 94.32 Aug 12, 500 AM 3.0 1266.5 23.3 2.1 892.7 1374.3 15.7 14.7 1410.8 0.5 1410.8 183.8 Aug 12, 500 AM 2.4 1036.1 23.0 2.2 878.9 1381.9 15.4 14.7 1395.4 0.5 1395.4 82.9 Aug 12, 700 AM 2.9 1242.5 22.7 2.2 917.4 1412.7 15.7 14.7 1812.9 0.5 1389.7 82.62 Aug 12, 900 AM 3.0 1176.5 25.2 2.3 988.7 1566.7 17.3 14.7 1397.0 0.6 1397.0 82.82 Aug 12, 900 AM 3.4 1156.0 26.7 3.3 1104.8 1725.2 19.8 14.7 1398.8 0.6 1398.8 81.17 Aug 12, 1000 AM 3.4 1226.7 26.9 3.9 1004.7 1679.8 22.9 14.7 1413.3 0.6 1413.3 80.56 Aug 12, 1000 AM 3.6 1296.7 28.5 4.6 1040.8 1699.8 26.2 14.7 1422.9 0.6 1422.9 80.18 Aug 12, 1200 PM 4.0 1635.4 30.4 5.2 979.8 1582.4 30.0 14.7 1431.8 0.6 1431.8 79.26 Aug 12, 200 PM 3.8 1514.0 30.0 6.1 947.4 1544.4 32.9 14.7 1416.8 0.6 1416.8 79.26 Aug 12, 200 PM 3.4 1280.5 29.4 5.5 1019.3 1633.7 27.9 14.7 1425.9 0.6 1422.9 78.85 Aug 12, 200 PM 3.4 1380.4 29.6 6.0 950.0 1528.2 28.9 14.7 1425.9 0.6 1425.9 78.35 Aug 12, 400 PM 3.4 1380.4 29.6 6.0 950.0 1528.2 28.9 14.7 1425.9 0.6 1425.9 78.35 Aug 12, 400 PM 3.4 1380.5 28.7 981.5 1677.8 28.7 14.7 1425.9 0.6 1425.9 78.35 Aug 12, 400 PM 3.4 1380.5 28.7 46.9 942.9 1492.6 24.3 14.7 1442.0 0.6 1425.9 78.35 Aug 12, 400 PM 3.4 1380.5 28.7 46.9 942.9 1492.6 24.3 14.7 1445.0 0.6 1445.0 77.8 Aug 12, 200 PM 3.5 1335.3 28.3 5.1 992.1 1578.9 25.8 14.7 1442.0 0.6 1445.0 77.5 Aug 12, 200 PM 3.3 1310.5 28.7 4.6 942.9 1492.6 24.3 14.7 1442.0 0.5 1440.7 77.6 Aug 12, 200 PM 3.3 1310.5 28.7 4.6 942.9 1492.6 24.3 14.7 1442.0 0.5 1442.0 77.5 Aug 12, 100 PM 3.4 1331.9 28.1 5.1 952.9 1492.6 24.3 14.7 1442.0 0.5 1442.0 77.5 Aug 12, 100 PM 2.6 1425.9 24.8 3.4 68.88.9 149.2 1492.6 24.3 14.7 1442.0 0.5 1442.0 77.5 Aug 12, 100 PM 2.9 1370.5 24.8 3.4 68.88.9 149.2 1492.6 24.3 14.7 1442.0 0.5 1442.0 77.5 Aug 12, 100 PM 2.9 1370.5 24.8 3.3 867.6 1392.4 21.6 14.7 1442.0 0	_												
Aug 12, 3:00 AM													
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Aug 13, 12:00 AM 2.6 1242.9 24.2 2.6 810.9 1258.8 18.3 14.7 1459.4 0.4 1459.4 76.28 Aug 13, 1:00 AM 2.6 1222.7 24.4 2.8 797.9 1234.7 17.4 14.7 1423.3 0.4 1423.3 76.04 Aug 13, 2:00 AM 2.8 1267.9 23.6 2.6 837.6 1293.0 16.7 14.7 1426.1 0.5 1426.1 76.16 Aug 13, 3:00 AM 2.7 1250.0 22.5 2.2 810.0 1248.3 16.3 14.7 1474.1 0.4 1474.1 76.16 Aug 13, 4:00 AM 3.2 1476.0 24.0 2.5 820.9 1263.5 15.9 14.7 1441.1 0.5 1441.1 74.79 Aug 13, 5:00 AM 3.0 1367.6 22.9 2.5 82.0 1274.5 15.5 14.7 1441.2 0.4 1441.2 75.32 Aug 13, 6:00 AM 2.9 1390.6 23.5 2.4 801.5 1230.7 15.2 14.7 1441.2 0.4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
Aug 13, 1:00 AM 2.6 1222.7 24.4 2.8 797.9 1234.7 17.4 14.7 1423.3 0.4 1423.3 76.04 Aug 13, 2:00 AM 2.8 1267.9 23.6 2.6 837.6 1293.0 16.7 14.7 1426.1 0.5 1426.1 76.16 Aug 13, 3:00 AM 2.7 1250.0 22.5 2.2 810.0 1248.3 16.3 14.7 1474.1 0.4 1474.1 76.16 Aug 13, 4:00 AM 3.2 1476.0 24.0 2.5 820.9 1263.5 15.9 14.7 1441.1 0.5 1441.1 74.79 Aug 13, 5:00 AM 3.0 1367.6 22.9 2.5 829.0 1274.5 15.5 14.7 1442.6 0.5 1442.6 74.80 Aug 13, 6:00 AM 2.9 1390.6 23.5 2.4 801.5 1230.7 15.2 14.7 1441.2 0.4 1441.2 75.32													
Aug 13, 2:00 AM 2.8 1267.9 23.6 2.6 837.6 1293.0 16.7 14.7 1426.1 0.5 1426.1 76.16 Aug 13, 3:00 AM 2.7 1250.0 22.5 2.2 810.0 1248.3 16.3 14.7 1474.1 0.4 1474.1 76.16 Aug 13, 4:00 AM 3.2 1476.0 24.0 2.5 820.9 1263.5 15.9 14.7 1441.1 0.5 1441.1 74.79 Aug 13, 5:00 AM 3.0 1367.6 22.9 2.5 829.0 1274.5 15.5 14.7 1442.6 0.5 1442.6 74.80 Aug 13, 6:00 AM 2.9 1390.6 23.5 2.4 801.5 1230.7 15.2 14.7 1441.2 0.4 1441.2 75.32													
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Aug 13, 4:00 AM 3.2 1476.0 24.0 2.5 820.9 1263.5 15.9 14.7 1441.1 0.5 1441.1 74.79 Aug 13, 5:00 AM 3.0 1367.6 22.9 2.5 829.0 1274.5 15.5 14.7 1442.6 0.5 1442.6 74.80 Aug 13, 6:00 AM 2.9 1390.6 23.5 2.4 801.5 1230.7 15.2 14.7 1441.2 0.4 1441.2 75.32													76.16
Aug 13, 5:00 AM 3.0 1367.6 22.9 2.5 829.0 1274.5 15.5 14.7 1442.6 0.5 1442.6 74.80 Aug 13, 6:00 AM 2.9 1390.6 23.5 2.4 801.5 1230.7 15.2 14.7 1441.2 0.4 1441.2 75.32													74.79
Aug 13, 6:00 AM 2.9 1390.6 23.5 2.4 801.5 1230.7 15.2 14.7 1441.2 0.4 1441.2 75.32													74.80
													75.32
													75.64



	SO2 Mass Rate (Kg/hr)	Hydrogen Sulfide (PPM/hr)	Carbonyl Sulfide Car (PPM/hr)	bon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Aug 13, 8:00 AM	4.1	1651.6	25.0	2.9	952.6	1472.8	17.0	14.7	1413.0	0.5	1413.0	76.72
Aug 13, 9:00 AM	4.7	1770.1	26.6	3.7	1014.3	1586.5	20.5	14.7	1415.9	0.6	1415.9	78.03
Aug 13, 10:00 AM	4.6	1819.9	28.7	4.5	955.9	1522.6	25.8	14.7	1419.0	0.5	1419.0	79.15
Aug 13, 11:00 AM	4.6	1814.7	31.3	5.4	961.3	1555.5	30.8	14.7	1423.4	0.6	1423.4	80.17
Aug 13, 12:00 PM	4.3	1704.5	30.9	6.2	957.5	1563.3	33.5	14.7	1427.4	0.6	1427.4	80.50
Aug 13, 1:00 PM	4.8	1875.6	32.2	7.1	964.3	1582.2	35.1	14.7	1419.9	0.6	1419.9	81.48
Aug 13, 2:00 PM	5.1	1949.6	32.3	7.0	998.2	1638.9	35.3	14.7	1433.9	0.6	1433.9	83.06
Aug 13, 3:00 PM	5.0	1860.0	32.7	7.1	1021.6	1671.1	34.3	14.7	1434.3	0.6	1434.3	84.63
=		1944.6				1700.7			1433.9		1433.9	
Aug 13, 4:00 PM	5.3		31.8	7.5	1050.7		31.0	14.7		0.6		86.61
Aug 13, 5:00 PM	5.0	1840.1	31.1	7.0	1034.2	1661.2	28.7	14.7	1458.3	0.6	1458.3	88.13
Aug 13, 6:00 PM	4.3	1640.4	30.6	6.3	994.9	1588.1	26.9	14.7	1451.7	0.6	1451.7	89.07
Aug 13, 7:00 PM	4.7	1924.3	30.7	6.2	921.9	1463.3	25.1	14.7	1454.7	0.5	1454.7	90.48
Aug 13, 8:00 PM	2.9	1304.1	26.9	4.6	838.8	1324.8	23.7	14.7	1472.6	0.5	1472.6	90.49
Aug 13, 9:00 PM	3.1	1430.9	27.3	4.1	825.8	1301.0	23.0	14.7	1450.3	0.5	1450.3	90.91
Aug 13, 10:00 PM	3.4	1545.6	27.5	4.3	826.7	1298.0	21.8	14.7	1436.1	0.5	1436.1	91.66
Aug 13, 11:00 PM	3.3	1509.1	26.7	4.3	837.0	1310.5	20.9	14.7	1421.4	0.5	1421.4	92.08
Aug 14, 12:00 AM	3.5	1541.7	26.0	4.0	854.2	1334.1	20.1	14.7	1432.6	0.5	1432.6	92.88
Aug 14, 1:00 AM	3.6	1683.7	25.7	3.7	807.7	1258.6	19.6	14.7	1482.2	0.4	1482.2	93.90
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Aug 14, 2:00 AM	3.4	1624.1	25.6	3.3	805.6	1250.6	18.4	14.7	1441.7	0.4	1441.7	94.53
Aug 14, 3:00 AM	3.6	1663.1	25.2	3.5	817.9	1266.6	17.6	14.7	1425.1	0.5	1425.1	95.43
Aug 14, 4:00 AM	3.8	1775.9	24.7	3.3	818.8	1265.8	17.1	14.7	1427.3	0.5	1427.3	96.06
Aug 14, 5:00 AM	3.7	1715.6	24.8	3.2	826.2	1275.6	16.8	14.7	1454.5	0.5	1454.5	96.80
Aug 14, 6:00 AM	3.5	1704.0	25.2	3.2	791.2	1219.8	16.4	14.7	1449.2	0.4	1449.2	97.40
Aug 14, 7:00 AM	3.9	1732.9	25.4	3.7	855.4	1319.5	16.4	14.7	1379.0	0.5	1402.2	98.09
Aug 14, 8:00 AM	4.3	1750.8	24.9	3.5	937.2	1454.4	18.2	14.7	1401.9	0.5	1401.9	98.25
Aug 14, 9:00 AM	5.4	2078.2	27.5	4.5	997.6	1567.7	21.9	14.7	1419.6	0.6	1419.6	98.95
Aug 14, 10:00 AM	7.0	2750.5	32.1	6.2	973.9	1559.7	27.5	14.7	1420.1	0.6	1420.1	101.37
Aug 14, 10:00 AM	11.6	4973.4	40.0	9.6	897.8	1466.2	33.6	14.7	1423.8	0.5	1420.1	101.37
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Aug 14, 12:00 PM	21.3	8656.5	57.7	12.1	938.8	1550.0	37.1	14.7	1443.4	0.6	1443.4	125.33
Aug 14, 1:00 PM	29.0	11026.4	66.7	14.5	1012.7	1665.3	36.0	14.7	1483.1	0.6	1483.1	149.60
Aug 14, 2:00 PM	32.5	12673.0	73.9	15.6	990.3	1627.8	36.0	14.7	1479.0	0.6	1479.0	176.98
Aug 14, 3:00 PM	37.6	14079.6	78.4	15.5	1032.2	1690.6	34.8	14.7	1447.7	0.6	1447.7	209.56
Aug 14, 4:00 PM	41.4	15799.8	84.0	16.7	1014.3	1647.0	32.2	14.7	1450.5	0.6	1450.5	245.60
Aug 14, 5:00 PM	36.7	14275.1	78.7	14.3	994.0	1601.2	29.7	14.7	1451.3	0.6	1451.3	277.27
Aug 14, 6:00 PM	34.7	14219.5	77.3	14.5	942.9	1508.7	27.7	14.7	1451.9	0.5	1451.9	307.64
Aug 14, 7:00 PM	27.3	12325.2	68.8	13.6	852.1	1355.7	26.0	14.7	1462.8	0.5	1462.8	330.30
Aug 14, 8:00 PM	19.4	9422.1	57.1	11.2	792.4	1253.7	24.3	14.7	1440.7	0.4	1440.7	346.78
Aug 14, 9:00 PM	15.5	7769.8	49.3	9.9	773.0	1219.9	23.5	14.7	1428.1	0.4	1428.1	359.22
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Aug 14, 10:00 PM	14.3	7004.5	46.2	8.2	788.6	1240.9	22.6	14.7	1436.8	0.4	1436.8	370.17
Aug 14, 11:00 PM	14.1	6717.9	43.9	7.6	808.8	1268.9	21.7	14.7	1432.6	0.5	1432.6	380.92
Aug 15, 12:00 AM	12.9	6089.3	40.4	7.2	820.6	1285.0	21.0	14.7	1428.9	0.5	1428.9	390.40
Aug 15, 1:00 AM	11.9	5705.8	39.3	7.0	807.1	1261.5	20.4	14.7	1425.5	0.5	1425.5	398.75
Aug 15, 2:00 AM	11.2	5317.8	37.1	6.3	811.3	1264.7	19.7	14.7	1438.6	0.5	1438.6	406.51
Aug 15, 3:00 AM	11.1	5389.8	37.5	6.3	792.4	1231.1	18.7	14.7	1434.9	0.4	1434.9	414.02
Aug 15, 4:00 AM	13.0	5953.1	38.3	6.4	840.1	1301.3	17.8	14.7	1426.6	0.5	1426.6	423.19
Aug 15, 5:00 AM	14.4	7041.9	39.8	6.7	789.3	1219.0	17.1	14.7	1462.5	0.4	1462.5	433.86
Aug 15, 6:00 AM	10.3	5075.3	35.1	5.5	783.3	1207.8	16.5	14.7	1429.3	0.4	1429.3	440.64
	9.3	4104.0	32.4	4.6	872.1	1345.4	16.6	14.7	1419.8	0.5	1419.8	446.02
Aug 15, 7:00 AM												
Aug 15, 8:00 AM	9.8	4030.3	31.2	4.9	935.4	1452.0	18.3	14.7	1416.3	0.5	1416.3	451.52
Aug 15, 9:00 AM	11.1	4326.3	33.9	6.0	987.2	1551.9	22.2	14.7	1441.4	0.6	1441.4	457.20
Aug 15, 10:00 AM	10.1	4496.1	34.8	7.0	867.1	1384.0	26.8	14.7	1465.0	0.5	1465.0	460.32
Aug 15, 11:00 AM	11.1	4941.0	39.3	8.1	867.9	1400.5	30.2	14.7	1472.4	0.5	1472.4	459.88
Aug 15, 12:00 PM	10.9	4722.1	40.6	8.9	888.5	1455.6	34.9	14.7	1466.3	0.5	1466.3	449.51
Aug 15, 1:00 PM	11.0	4000.8	36.9	8.2	1057.0	1743.7	37.2	14.7	1546.8	0.6	1546.8	431.46
Aug 15, 2:00 PM	8.9	3524.9	36.7	7.9	968.9	1598.4	37.4	14.7	1571.2	0.6	1571.2	407.87
Aug 15, 3:00 PM	9.3	3790.3	39.2	8.9	944.4	1552.4	36.1	14.7	1502.6	0.6	1502.6	379.62
Aug 15, 4:00 PM	9.2	3747.6	38.9	9.1	944.5	1543.3	34.3	14.7	1497.6	0.6	1497.6	347.45
Aug 15, 4:00 PM	8.9	3697.0	39.0	9.0	919.3	1494.3	32.6	14.7	1487.6	0.5	1487.6	319.62
Aug 15, 6:00 PM	7.6	3449.6	37.3	8.0	845.5	1363.2	30.1	14.7	1484.6	0.5	1484.6	292.55
Aug 15, 7:00 PM	6.9	3330.5	36.6	7.6	790.5	1264.9	27.8	14.7	1482.9	0.5	1482.9	272.08
Aug 15, 8:00 PM	6.2	3293.6	34.2	6.5	722.6	1148.1	25.7	14.7	1458.0	0.4	1458.0	258.89
Aug 15, 9:00 PM	5.6	2857.7	32.1	5.5	747.1	1181.3	24.2	14.7	1460.8	0.4	1460.8	248.91
Aug 15, 10:00 PM	5.5	2783.8	31.8	5.4	753.1	1185.6	22.9	14.7	1457.3	0.4	1457.3	240.07
Aug 15, 11:00 PM	5.4	2644.7	29.6	4.9	784.3	1229.5	21.6	14.7	1436.4	0.4	1436.4	231.40
Aug 16, 12:00 AM	5.7	2832.9	29.2	4.8	767.6	1200.7	20.9	14.7	1433.1	0.4	1433.1	224.13
Aug 16, 1:00 AM	5.5	2787.3	28.2	4.4	753.8	1175.9	20.1	14.7	1450.0	0.4	1450.0	217.67
Aug 16, 2:00 AM	5.2	2637.9	28.4	4.2	750.4	1167.8	19.4	14.7	1441.7	0.4	1441.7	211.63
Aug 16, 3:00 AM	5.1	2582.7	27.4	4.2	759.7	1181.6	19.1	14.7	1411.1	0.4	1411.1	205.68
Aug 16, 4:00 AM	5.2	2590.7	27.7	4.1	769.2	1197.8	19.4	14.7	1415.3	0.4	1415.3	197.90
Aug 16, 5:00 AM	5.5	2822.3	28.1	4.1	745.8	1162.1	19.6	14.7	1426.5	0.4	1426.5	189.00
Aug 16, 6:00 AM	5.1	2715.7	28.9	4.2	728.6	1137.8	20.3	14.7	1423.3	0.4	1423.3	183.84
Aug 16, 7:00 AM	5.9	2734.0	28.5	3.9	845.2	1327.6	22.0	14.7	828.6	0.5	1420.8	180.49
Aug 16, 8:00 AM	6.1	2907.2	29.1	4.2	816.3	1288.4	23.4	14.7	1438.7	0.5	1438.7	176.77
Aug 16, 9:00 AM	5.8	2542.1	30.2	4.6	885.6	1407.7	25.6	14.7	1435.0	0.5	1435.0	171.54
	5.9	2575.6	30.8	4.8	875.0	1395.7	26.8	14.7	1478.3	0.5	1478.3	167.30
Aug 16, 10:00 AM	6.5	2608.3	31.8	5.2	952.4	1524.4	28.0	14.7	1569.8	0.5	1569.8	162.65
Aug 16, 11:00 AM							00.4	447	4040.0	0.5		
	6.6	2658.3	31.1	5.3	949.7	1521.6	28.4	14.7	1613.9	0.5	1613.9	158.34
Aug 16, 11:00 AM		2658.3 2690.2	31.1 31.7	5.3 5.2	949.7 888.5	1521.6 1419.5	27.5	14.7	1590.5	0.5	1613.9 1590.5	158.34 153.59
Aug 16, 11:00 AM Aug 16, 12:00 PM	6.6											

Aug 16, 4:00 PM 6.6 2994.0 32.1 5.3 847.6 1357.7 27.9 14.7 Aug 16, 5:00 PM 5.1 2743.5 30.5 5.2 719.4 1151.1 27.5 14.7 Aug 16, 6:00 PM 4.8 2628.5 30.5 4.4 707.3 1113.9 23.1 14.7 Aug 16, 7:00 PM 4.4 2389.7 27.7 4.0 712.7 1116.8 21.3 14.7 Aug 16, 8:00 PM 6.2 2888.5 28.1 2.6 832.7 1306.0 21.2 14.7	1413.4 1410.2 1411.3 1384.7	0.5 0.4	1413.4	144.68
Aug 16, 6:00 PM 4.8 2628.5 30.5 4.4 707.3 1113.9 23.1 14.7 Aug 16, 7:00 PM 4.4 2389.7 27.7 4.0 712.7 1116.8 21.3 14.7 Aug 16, 8:00 PM 6.2 2888.5 28.1 2.6 832.7 1306.0 21.2 14.7	1411.3	0.4		
Aug 16, 7:00 PM 4.4 2389.7 27.7 4.0 712.7 1116.8 21.3 14.7 Aug 16, 8:00 PM 6.2 2888.5 28.1 2.6 832.7 1306.0 21.2 14.7			1410.2	140.96
Aug 16, 8:00 PM 6.2 2888.5 28.1 2.6 832.7 1306.0 21.2 14.7	1384.7	0.4	1411.3	138.20
-		0.4	1384.7	135.78
	1426.6	0.5	1426.6	135.80
Aug 16, 9:00 PM 5.6 2553.5 32.8 1.2 835.4 1310.7 21.1 14.7	1438.3	0.5	1438.3	135.79
Aug 16, 10:00 PM 5.4 2453.4 32.1 1.3 841.4 1319.5 20.9 14.7	1463.5	0.5	1463.5	135.70
Aug 16, 11:00 PM 5.0 2205.3 33.4 2.0 876.7 1378.1 21.0 14.6	1468.9	0.5	1468.9	135.34
Aug 17, 12:00 AM 5.1 2330.4 34.4 2.5 840.4 1329.4 21.5 14.6	1462.7	0.5	1462.7	134.77
Aug 17, 1:00 AM 6.8 3105.8 37.9 4.7 881.2 1397.3 22.0 14.6	1422.0	0.5	1422.0	136.13
Aug 17, 2:00 AM 4.5 2124.5 36.2 2.2 818.6 1287.1 22.2 14.7	1438.8	0.5	1438.8	135.52
Aug 17, 3:00 AM 4.2 1896.2 37.3 2.5 840.8 1323.3 22.5 14.7	1432.3	0.5	1432.3	134.59
Aug 17, 4:00 AM 5.4 2400.7 37.1 3.5 858.2 1351.5 22.7 14.7	1441.2	0.5	1441.2	134.75
Aug 17, 5:00 AM 4.0 1668.9 34.8 3.3 912.6 1432.0 21.6 14.7	1420.5	0.5	1420.5	133.27
Aug 17, 6:00 AM 4.3 1749.1 32.9 4.9 928.4 1456.8 21.5 14.7	1410.9	0.5	1410.9	132.39
Aug 17, 7:00 AM 4.7 1749.0 33.9 5.2 1009.1 1587.7 22.2 14.7	1422.0	0.6	1422.0	131.15
Aug 17, 8:00 AM 5.1 1967.7 35.1 5.9 984.7 1553.3 23.0 14.7	1422.8	0.6	1422.8	130.17
Aug 17, 9:00 AM 6.5 2311.6 37.1 6.6 1075.3 1703.5 24.3 14.7	1430.5	0.6	1430.5	130.85
Aug 17, 10:00 AM 6.1 2208.3 39.4 8.3 1053.2 1681.2 26.6 14.7	1442.3	0.6	1442.3	131.11
Aug 17, 11:00 AM 6.9 2336.9 40.6 9.3 1117.4 1792.1 28.0 14.7	1424.8	0.6	1424.8	131.53
Aug 17, 12:00 PM 10.0 3139.3 44.1 10.5 1221.8 1973.2 30.2 14.7	1410.0	0.7	1410.0	134.99
Aug 17, 1:00 PM 7.3 2311.5 41.5 9.9 1201.5 1960.0 33.3 14.7	1317.4	0.7	1317.4	136.07
Aug 17, 2:00 PM 6.7 2069.1 39.5 9.3 1229.6 2012.7 34.4 14.7	1301.2	0.7	1301.2	136.73
Aug 17, 3:00 PM 6.8 2095.4 39.0 9.0 1234.2 2019.2 34.3 14.7	1288.4	0.7	1288.4	137.66
Aug 17, 4:00 PM 13.4 4029.4 39.1 9.5 1298.1 2110.7 32.5 14.7	1293.4	0.8	1293.4	144.45
Aug 17, 5:00 PM 8.0 2512.1 38.5 9.6 1203.0 1941.7 30.2 14.7	1300.5	0.7	1300.5	147.27
Aug 17, 6:00 PM 6.3 2026.5 37.8 9.4 1177.4 1886.5 28.0 14.7	1277.7	0.7	1277.7	148.72
Aug 17, 7:00 PM 9.0 2592.6 35.5 9.0 1310.8 2093.3 26.9 14.7	1270.3	0.7	1270.3	153.33
Aug 17, 8:00 PM 4.7 1709.0 32.9 7.3 1053.2 1670.9 25.0 14.7	1339.3	0.6	1339.3	151.86
Aug 17, 9:00 PM 4.0 1566.0 33.4 7.3 968.9 1532.1 23.8 14.7	1273.4	0.5	1273.4	150.33
Aug 17, 10:00 PM 3.3 1285.7 33.4 6.3 956.3 1510.9 23.6 14.7	1398.7	0.5	1398.7	148.22
Aug 17, 11:00 PM 5.0 1519.6 33.0 6.6 1255.2 1980.4 23.4 14.7	1396.0	0.7	1396.0	148.20
Aug 18, 12:00 AM 6.1 1346.5 24.9 5.6 1715.6 2694.2 22.5 14.7	1600.0	1.0	1600.0	149.20
Aug 18, 1:00 AM 5.0 1390.3 25.6 5.3 1374.7 2157.9 22.3 14.7	1516.0	0.8	1516.0	147.32
Aug 18, 2:00 AM 4.4 1677.9 31.4 5.5 1004.7 1581.7 22.6 14.7	1277.9	0.6	1277.9	147.23
Aug 18, 3:00 AM 4.2 1619.1 31.7 5.1 993.9 1559.4 21.7 14.7	1279.2	0.6	1279.2	147.27
Aug 18, 4:00 AM 5.0 1476.1 29.6 3.9 1293.1 2024.5 20.5 14.7	1271.6	0.7	1271.6	146.90
Aug 18, 5:00 AM 6.8 1559.1 20.2 1.4 1696.0 2666.8 21.0 14.6	1600.3	1.0	1600.3	149.75
Aug 18, 6:00 AM 4.7 1737.3 28.4 4.3 1032.4 1627.6 21.2 14.6	1323.1	0.6	1323.1	150.17
Aug 18, 7:00 AM 6.7 1876.6 31.7 6.7 1330.9 2098.2 21.3 14.6	1253.1	0.7	1253.1	152.15
Aug 18, 8:00 AM 17.2 4038.8 41.3 12.6 1632.0 2569.2 22.2 14.7	1261.5	0.9	1261.5	164.31
Aug 18, 9:00 AM 22.3 5353.4 45.5 16.2 1599.5 2527.6 23.4 14.7	1265.8	0.9	1265.8	180.09
Aug 18, 10:00 AM 25.2 5878.4 50.8 19.1 1646.1 2617.3 25.3 14.7	1283.9	0.9	1283.9	199.16
Aug 18, 11:00 AM 21.5 5188.3 54.1 21.9 1581.6 2540.9 28.4 14.7	1262.4	0.9	1262.4	213.76
Aug 18, 12:00 PM 20.9 5193.7 57.3 22.4 1536.8 2466.3 28.1 14.7	1278.2	0.9	1278.2	224.59
Aug 18, 1:00 PM 22.8 5164.3 53.7 22.8 1681.1 2692.5 27.5 14.7	1269.8	1.0	1269.8	240.03
Aug 18, 2:00 PM 15.1 3868.6 49.6 20.0 1482.9 2383.7 28.5 14.7	1284.7	0.9	1284.7	248.42
Aug 18, 3:00 PM 8.8 2125.0 41.0 15.7 1559.3 2476.1 24.9 14.7	1291.8	0.9	1291.8	250.39
Aug 18, 4:00 PM 8.5 2070.8 36.4 15.1 1623.0 2581.0 25.4 14.7	1275.9	0.9	1275.9	245.52
Aug 18, 5:00 PM 7.1 1350.1 37.8 13.0 1941.4 3074.1 23.9 14.7	1299.3	1.1	1299.3	244.71
Aug 18, 6:00 PM 6.1 1261.1 37.5 13.6 1789.5 2836.6 24.2 14.7	1287.8	1.0	1287.8	244.51
Aug 18, 7:00 PM 5.7 1179.3 36.9 13.8 1779.9 2809.3 22.8 14.7	1283.9	1.0	1283.9	241.20
Aug 18, 8:00 PM 4.4 1604.2 34.2 10.1 1030.0 1613.7 20.8 14.7	1286.5	0.6	1286.5	240.83
Aug 18, 9:00 PM 5.6 2259.6 32.8 7.9 940.0 1468.7 20.3 14.7	1273.6	0.5	1273.6	242.39
Aug 18, 10:00 PM 4.5 1830.5 32.6 5.1 934.5 1458.5 20.0 14.7	1275.6	0.5	1275.6	243.62
Aug 18, 11:00 PM 4.0 1629.6 30.4 5.8 929.0 1448.0 19.4 14.7	1270.3	0.5	1270.3	242.58
Aug 19, 12:00 AM 4.1 1419.4 29.2 5.6 1116.6 1736.4 18.8 14.7	1268.5	0.6	1268.5	240.62
Aug 19, 1:00 AM 3.3 1131.7 23.5 4.7 1119.9 1735.2 18.1 14.7	1436.2	0.6	1436.2	238.99
Aug 19, 2:00 AM 3.0 1211.0 27.0 4.8 932.3 1443.4 17.4 14.7	1254.6	0.5	1254.6	237.53
Aug 19, 3:00 AM 2.9 1192.3 26.9 4.3 905.2 1399.5 16.9 14.7	1237.1	0.5	1237.1	236.16
Aug 19, 4:00 AM 3.3 1395.3 26.9 2.8 902.7 1392.4 16.5 14.7	1315.6	0.5	1315.6	234.46
Aug 19, 5:00 AM 3.4 1494.0 27.2 2.0 867.5 1335.8 15.9 14.7	1280.2	0.5	1280.2	231.00
Aug 19, 6:00 AM 2.8 1170.9 26.9 2.4 905.4 1393.4 15.7 14.7	1250.9	0.5	1250.9	229.09
Aug 19, 7:00 AM 3.0 1143.1 26.0 4.3 1015.3 1566.2 16.3 14.7	724.6	0.6	1225.5	225.45
Aug 19, 8:00 AM 3.1 1098.5 26.6 5.9 1046.6 1618.3 16.9 14.7	1236.5	0.6	1236.5	211.26
Aug 19, 9:00 AM 2.9 1061.1 26.9 5.1 1023.8 1584.3 17.1 14.7	1254.2	0.6	1254.2	191.83
Aug 19, 10:00 AM 2.6 919.6 26.8 4.2 1055.3 1633.9 17.2 14.7	1358.6	0.6	1358.6	169.22
Aug 19, 11:00 AM 2.6 938.6 28.0 3.9 1034.6 1607.0 18.2 14.7	1382.0	0.6	1382.0	150.31
Aug 19, 12:00 PM 2.6 936.4 28.0 3.4 1028.1 1603.7 19.5 14.7	1393.6	0.6	1393.6	132.01
Aug 19, 1:00 PM 2.6 942.6 29.4 3.4 1044.7 1634.3 20.4 14.7	1429.7	0.6	1429.7	111.87
Aug 19, 2:00 PM 2.8 1022.2 30.1 3.5 1036.6 1621.5 20.4 14.7	1443.8	0.6	1443.8	99.59
Aug 19, 3:00 PM 3.7 1289.0 30.9 3.9 1070.9 1678.0 20.8 14.7	1398.9	0.6	1398.9	94.46
Aug 19, 4:00 PM 3.4 1161.3 31.9 4.5 1110.5 1752.1 22.8 14.7	1384.5	0.6	1384.5	89.36
Aug 19, 5:00 PM 3.6 1233.9 31.8 4.7 1092.4 1729.3 23.9 14.7	1417.7	0.6	1417.7	85.78
Aug 19, 6:00 PM 3.4 1108.8 32.2 4.8 1154.4 1818.8 22.4 14.7	1409.6	0.6	1409.6	83.09
Aug 19, 7:00 PM 2.9 917.0 32.5 4.9 1181.9 1848.7 20.1 14.7	1393.4	0.7	1393.4	80.27
Aug 19, 8:00 PM 2.7 865.2 30.1 4.5 1150.5 1786.2 17.8 14.7	1388.9	0.6	1388.9	78.57
Aug 19, 9:00 PM 2.5 914.1 29.5 2.3 1032.1 1593.9 16.4 14.7	1401.6	0.6	1401.6	75.51
Aug 19, 10:00 PM 2.5 907.9 30.1 1.7 1040.5 1601.2 15.3 14.7	1408.6	0.6	1408.6	73.52
Aug 19, 11:00 PM 2.6 921.2 30.0 2.4 1051.4 1612.8 14.4 14.7	1389.5	0.6	1389.5	72.12



Aug. 120 Aug. 17	Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Ca (PPM/hr)	arbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Agriculton Aug. 23 963 774 97 993 993 147 1916 0.5 0.5 1916 0.5	Aug 20, 12:00 AM	2.1		28.0	1.4	1013.2	1548.2	(deg. C)	14.7			1392.4	70.08
App. 20.0 DMM	• .												69.05
Mag		2.2	839.4	27.6	0.7	981.0	1490.8	11.7		1401.0	0.5	1401.0	68.25
Apple 50 MM	Aug 20, 3:00 AM	2.2	817.8	26.9	0.4	997.3	1510.8	10.8	14.7	1386.1	0.5	1386.1	67.56
Aug 30, 200 AM 2	Aug 20, 4:00 AM		883.9		8.0	980.0			14.7				66.56
Augy 27.00 Aug													65.59
August 100 Aug	-												65.25
Age No. 944													64.39
Ag 25, 1100 AM													
Agg 110 Agg													
Agg 10,00 PM													
Aug 20, 150 PM													
Agg 2.20 PM													48.09
App26.3599 PM													48.44
Aug. 97, 50 PTM 30 85 914 86 97 150 150 97 160 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 150 97 160 97 1	-												48.16
Aug D. CROPM 2.0 20.0 20.0 30.2 30.2 30.0 30.2 30.0 30.2 30.0		4.0	1113.2	39.2	11.3	1319.5	2113.1	27.2	14.7		0.8	1409.0	48.75
Aug 27.00 PM 23 802 7813 34.6 54 1007/4 1898 5 29.1 14.7 13973 0.7 13973 50.0 Aug 20.00 PM 23 802.6 31.1 58 1005.3 1094.5 160.6 17.7 13973 0.6 13973 1773 1790 PM 25 802.6 131.1 58 1005.3 1094.5 160.6 17.7 13973 0.6 13973 1773 1790 PM 25 802.6 131.1 58 1005.3 1094.5 160.6 174.7 13973 0.6 13973 1773 1774 1790 PM 25 802.6 131.1 58 1005.3 1094.5 160.6 174.7 13973 0.6 13973 1773 1774 1790 PM 25 802.6 1807.7 26.4 1005.1 1808.6 132.2 14.7 1401.5 0.6 1401.5 180.6 140.4 140.7 1401.5 0.6 1401.5 180.6 140.4 140.7 1401.5 0.6 1401.5 180.6 14	Aug 20, 5:00 PM	3.5	991.4	38.9	11.6	1297.9	2064.0	25.0	14.7	1423.3	0.7	1423.3	48.69
Aug 28, 800 PM 28 802 23 802 25 1 59 10818 16948 178 147 13875 08 13873 477 4029 1000 PM 26 8029 1311 58 10813 16948 160 147 13875 08 13875 477 4029 1000 PM 26 8029 1311 58 10813 16948 160 147 13875 08 13875 477 4029 120 140 140 140 140 140 140 140 140 140 14	Aug 20, 6:00 PM	3.0	852.0	38.2	9.2	1306.2	2059.8	22.4	14.7	1406.5	0.7	1406.5	48.33
Aug 20, 20 and PM 22 8828 31-1 58 1068-3 407-4 160 147 1382-5 08 1382-5 47.7 Aug 20, 1100 PM 22 7511 20 Aug 20, 1100 PM 22 6808 30.2 24 1000-1 1800 80 132 147 1413-3 05 1415-3 47.2 Aug 20, 1100 PM 23 8808 30.2 24 1000-1 1800 80 132 147 1413-3 05 1415-3 47.2 Aug 21, 1200 Aug 22, 1200 Aug 22, 1200 Aug 21,	Aug 20, 7:00 PM	2.6	781.3	34.8	8.4	1207.4	1889.5	20.1	14.7	1387.0	0.7	1387.0	48.00
Aug. 20, 100 PM 25 888 9 37 24 196.1 197.6 197.5 14.4 14.7 198.3 0.6 198.3 49.7 14.4 Aug. 20, 110 PM 25 888 9 37 2.4 196.1 198													47.62
Aug 21, 100 PM 26 887 907 24 100161 185868 132 147 14183 05 14183 477 Aug 21, 100 AM 26 8877 228 2.5 11074 16978 122 147 14046 0 14046 478 Aug 21, 100 AM 27 8820 27 284 2.8 1100.8 16973 117 147 13871 0.8 14071 0.8 14071 Aug 21, 100 AM 28 820 20 25 2.2 17022 17022 11702 1101 147 13871 0.8 14071 0.8 14071 Aug 21, 100 AM 29 820 21 22 22 22 22 22 22 22 22 22 22 22 22	_												47.70
Aug 21, 1200 AM	_												47.39
Aug 21, 100 AM	_												47.29
Aug 21, 200 MM 23 8869 279 1.5 972 15002 1576 11.1 14.7 1401.1 0.6 1401.1 4.7 4.0 Aug 21, 300 MM 23 8869 279 1.5 972.6 14732 10.8 14.7 1401.8 0.6 1401.8 4.0 Aug 21, 300 MM 23 8869 279 1.5 972.6 14732 10.8 14.7 1401.8 0.6 1401.8 4.0 Aug 21, 300 MM 23 1002 MM 23 100	-												
Aug 21, 300 AM	_												
Aug 21, 100 AM 2, 7 961.3 220 1.2 1006.5 100.3 10.6 14.7 138.6 0.5 138.6 48.8 Aug 21, 100 AM 2, 4 167.4 27.9 2.0 1047.2 1084.0 13.1 14.7 138.1 0.6 138.1 48.8 Aug 21, 100 AM 3, 4 1011.8 33.5 4.1 126.0 104.7 138.1 14.7 138.1 0.6 138.5 48.8 Aug 21, 100 AM 3, 4 1011.8 33.5 4.1 126.0 104.7 138.1 14.7 138.1 0.6 138.5 48.8 Aug 21, 100 AM 3, 4 1011.8 38.1 4.1 126.0 1915.5 12.4 14.7 136.1 0.6 138.5 48.8 Aug 21, 100 AM 3, 4 1011.8 38.1 14.6 15.0 12.1 14.1 126.0 1915.5 12.4 14.7 140.5 0.7 140.5 0.7 140.5 0.2 14.8 14.9 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0													
Aug 21, 500 AM													48.47
Aug 21, 000 MM	-												48.83
Aug 21, 700 AM													48.81
Aug 1, 100 AM 39 10719 383 66 1975 21063 1199 147 14207 0.8 14207 56.7 Aug 21, 100 AM 33 39 864 381 10.6 1054 2555 20.0 14.7 13829 0.8 13829 0.9 Aug 21, 1100 AM 33 821.0 34.5 138 14.4 147.8 224.6 24.4 14.7 138.6 0.8 138.6 64.0 Aug 21, 120 DPM 37 824.3 35.6 12.8 14.4 147.8 224.6 26.4 14.7 138.6 0.8 138.6 64.0 Aug 21, 120 DPM 37 824.3 35.6 12.8 14.8 14.8 2235.6 26.4 14.7 138.1 0.8 138.6 7.7 Aug 21, 300 PPM 33 888.6 33.8 11.9 138.6 2162.6 26.4 14.7 138.1 0.8 138.5 Aug 21, 300 PPM 33 888.6 33.6 11.9 138.6 2162.6 23.7 14.7 138.1 0.8 138.5 Aug 21, 300 PPM 33 888.6 33.6 11.9 138.6 2162.6 20.0 Aug 21, 300 PPM 34 188.2 33.8 11.9 138.6 2162.6 20.0 Aug 21, 300 PPM 34 188.2 33.8 11.9 138.6 2162.6 20.0 Aug 21, 500 PPM 34 138.1 33.7 10.9 110.3 174.8 Aug 21, 600 PPM 34 138.1 33.7 34.8 11.9 138.5 215.0 Aug 21, 600 PPM 34 138.1 33.7 34.8 11.9 138.5 215.0 Aug 21, 600 PPM 24 866.2 31.2 8.6 1651.7 1641.7 19.6 14.7 136.1 0.8 136.1 Aug 21, 100 PPM 24 866.2 31.2 8.6 1651.7 1641.7 19.6 14.7 140.1 0.6 141.0 Aug 21, 100 PPM 24 866.2 31.6 5.7 868.8 169.4 17.9 14.7 141.1 0.6 141.0 Aug 21, 100 PPM 24 866.2 31.6 5.7 868.8 169.4 17.9 16.5 14.7 141.0 0.6 141.0 Aug 21, 100 PPM 24 866.2 30.1 51. 866.6 148.3 15.3 14.7 139.7 0.5 141.0 Aug 22, 200 AM 25 867.4 30.1 51. 866.6 148.3 15.3 14.7 140.0 0.5 140.0 Aug 22, 200 AM 26 807.2 20.3 5.7 871.1 147.6 141.1 14.7 140.0 0.5 140.0 Aug 22, 200 AM 28 80.8 31.8 30.0 27.8 168.8 169.3 14.7 138.6 0.5 138.6 27.8 Aug 22, 200 AM 28 80.8 40.0 31.8 5.9 168.5 168.5 14.7 138.6 0.5													49.40
Aug 1,1000 AM 3.9 98.1 39.1 10.6 1506.4 255.4 20.0 14.7 1382.9 0.8 1382.9 60.7 Aug 21,1100 AM 3.3 810.3 34.5 13.8 1483.5 2211.1 24.0 14.7 1386.6 0.8 1383.6 64.0 Aug 21,120 PM 3.5 865.1 35.8 14.4 1478.8 2346.6 26.4 14.7 1384.4 0.8 1386.7 Aug 21,100 PM 3.7 924.3 35.5 12.8 1457.8 2246.6 26.4 14.7 1384.7 0.8 1386.7 Aug 21,200 PM 3.9 80.5 34.1 13.1 1586.7 2519.3 24.2 14.7 1351.1 0.9 1351.1 71.9 Aug 21,300 PM 3.1 80.8 33.1 11.9 1384.9 225.2 23.7 14.7 1384.5 0.8 1385.7 Aug 21,400 PM 4.1 1152.5 34.6 12.1 1343.3 2141.6 25.2 14.7 1374.2 0.8 1374.2 71.9 Aug 21,600 PM 3.4 63.3 34.9 11.8 1386.5 2150.6 23.6 14.7 1374.0 0.8 1374.2 71.9 Aug 21,600 PM 3.4 63.3 34.5 34.6 11.9 1386.5 2150.6 23.6 14.7 1397.0 0.7 1397.0 71.4 Aug 21,600 PM 3.4 63.3 34.6 31.9 1386.5 2150.6 23.6 14.7 1390.1 0.8 1390.1 71.4 Aug 21,600 PM 3.4 63.3 34.6 31.9 1386.7 1387.7 34.6 34.7 34.7 34.7 34.7 34.7 Aug 21,600 PM 2.3 84.7 31.6 31.6 31.7 34.7 34.7 34.7 34.7 34.7 34.7 Aug 21,600 PM 2.3 84.7 31.6 50.7 34	Aug 21, 8:00 AM	3.4	1018.9	33.5	4.1	1256.9	1915.5	12.4	14.7	1406.5	0.7	1406.5	52.83
Aug 21, 100 AM	Aug 21, 9:00 AM	3.9	1071.9	38.3	6.6	1367.5	2108.3	15.9	14.7	1420.7	0.8	1420.7	56.77
Aug21, 1200 PM	Aug 21, 10:00 AM	3.9	964.1	39.1	10.6	1505.4	2355.4	20.0	14.7	1382.9	0.8	1382.9	60.72
Aug 21, 100 PM	Aug 21, 11:00 AM	3.3	821.0	34.5	13.8	1463.5		24.0	14.7	1358.6	0.8	1358.6	64.04
August 200 PM 3.9 880.5 34.1 13.1 1986.7 2518.3 24.2 14.7 1351.1 0.9 1351.1 71.9 August 300 PM 3.3 880.8 33.1 11.9 1384.9 2162.2 23.7 14.7 1351.2 0.8 1353.5 71.8 August 300 PM 3.0 862.3 33.9 11.6 1284.6 25.2 14.7 1374.2 0.8 1374.2 71.9 August 300 PM 3.4 33.5 34.6 11.9 1383.5 2115.0 22.6 14.7 1397.0 0.7 1397.0 71.4 August 300 PM 3.4 33.5 34.6 11.9 1383.5 2115.0 22.6 14.7 1390.1 0.8 1390.1 71.7 August 300 PM 2.4 856.2 31.2 8.6 1051.7 1541.7 19.6 14.7 1410.1 0.6 1421.1 72.7 August 300 PM 2.4 856.2 31.2 8.6 1051.7 1541.7 19.6 14.7 1410.1 0.6 1410.1 72.7 August 100 PM 2.4 914.3 31.5 5.2 961.0 1494.0 16.5 14.7 1410.7 0.5 1419.7 72.6 August 100 PM 2.4 914.3 31.5 5.2 961.0 1494.0 16.5 14.7 1410.7 0.5 1419.7 72.6 August 100 PM 2.4 914.3 31.5 5.2 961.0 1494.0 16.5 14.7 1410.7 0.5 1419.7 72.6 August 100 PM 2.6 997.2 28.3 5.0 973.5 1477.8 12.4 14.7 1396.4 0.5 1482.0 72.5 August 21.000 PM 2.6 997.2 28.3 5.0 973.5 1477.8 12.4 14.7 1396.4 0.5 1386.1 72.7 August 22.200 AM 2.5 947.4 27.7 4.6 970.5 1477.8 12.4 14.7 1396.6 0.5 1386.1 72.9 August 22.300 AM 2.5 947.8 27.7 4.6 970.5 1477.8 12.4 14.7 1396.6 0.5 1386.6 73.1 August 22.500 AM 2.7 1096.8 27.8 3.9 333.2 1418.8 11.9 14.7 1386.6 0.5 1386.6 73.1 August 22.500 AM 2.7 1096.8 27.8 3.9 333.2 1418.8 11.9 14.7 1386.6 0.5 1386.6 73.1 August 22.500 AM 2.7 1096.8 27.8 3.9 3.9 3.9 3.1 3.0 3.1 3.1 4.7 3.9 3.0 3.1 3.0 3.1 3.0 3.1 3.0 3													67.52
Aug21, 300 PM													71.17
Aug 21, 400 PM													
Aug 21, 500 PM Aug 22, 500 PM Aug 21, 500 PM Aug 21	_												
Aug 21, 600 PM													
Aug 21, 700 PM Aug 21, 700 PM Aug 21, 800 PM Aug 22, 800 PM Aug 24, 800 PM Aug 24, 800 PM Aug 24, 800 PM Aug 24, 800 PM Aug 25, 800 PM Aug 26, 800 PM Aug 27, 800 PM Aug 27, 800 PM Aug 28, 800 PM Aug 28, 800 PM Aug 29, 800 PM Aug 29, 800 PM Aug 29, 800 PM Aug 20, 800 PM Aug 20													
Aug 21, BOO PM													
Aug 21, 900 PM Aug 21, 1000 PM Aug 21, 1000 PM Aug 21, 1000 PM 23 8947 31.6 7.0 969.8 1504 9 17.9 14.7 1431.4 0.5 1431.4 72.4 Aug 21, 1100 PM 23 902.4 30.1 5.1 964.6 1483.8 15.3 14.7 1397.0 0.5 1397.0 72.4 Aug 22, 1200 AM 26 1017.4 29.3 5.7 971.1 1487.6 14.1 14.7 1497.0 0.5 1497.0 72.6 Aug 22, 1200 AM 26 997.2 28.3 5.0 976.5 1494.3 13.2 14.7 1386.1 0.5 1388.1 72.7 Aug 22, 200 AM 25 947.4 27.7 4.6 970.5 1477.8 12.4 14.7 1388.1 0.5 1388.1 72.7 Aug 22, 200 AM 25 942.9 27.4 4.1 985.0 1498.9 12.1 14.7 1379.9 0.5 1379.9 73.1 Aug 22, 300 AM 25 942.9 27.4 4.1 985.0 1498.9 12.1 14.7 1379.9 0.5 1379.9 73.1 Aug 22, 200 AM 27 1098.8 27.8 3.9 933.2 1418.8 11.9 14.7 1386.6 0.5 1386.6 73.1 Aug 22, 200 AM 28 1058.3 28.6 2.3 982.1 1412.2 11.5 14.7 1386.0 0.5 1386.6 73.1 Aug 22, 500 AM 27 1026.2 28.3 2.0 990.3 1502.7 11.3 14.7 1386.2 0.5 1385.2 73.4 Aug 22, 200 AM 3.7 1328.1 30.2 2.9 1088.9 1654.7 11.7 14.7 1376.1 0.6 1376.1 14.9 Aug 22, 500 AM 3.5 1020.8 33.1 5.5 1283.5 1931.6 13.3 14.7 1390.5 0.7 1390.5 74.4 Aug 22, 500 AM 47 1474.5 39.4 11.6 1192.9 1875.5 126.1 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1000 AM 47 1474.5 39.4 11.6 1192.9 1875.5 12.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1000 AM 47 1474.5 39.4 11.6 1192.9 1875.5 12.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1000 AM 47 1474.5 39.4 11.6 1192.9 1875.5 21.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1000 AM 47 1474.5 39.4 11.6 1192.9 1875.5 21.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1000 AM 47 1474.5 39.4 11.6 1192.9 1875.5 21.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1000 AM 47 1474.5 39.4 11.6 1192.9 1875.5 21.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1000 AM 59 1555.7 39.5 12.7 1416.4 220.1 26.4 14.7 1389.8 0.7 1389.8 0.7 1389.8 18.8 Aug 22, 1000 PM 59 2388.8 49.0 50.1 16.9 1266.4 2091.0 36.5 14.7 1386.0 0.7 1388.3 18.8 Aug 22, 1000 PM 50 2388.8 49.0 50.1 16.9 1266.4 2091.0 36.5 14.7 1386.0 0.7 1388.3 10.5 14.7 1386.0 0.7 1388.3 10.5 14.7 14.7 1389.3 0.7 1388.3 10.5 14.7 14.7 1389.3 0.7 1388.3 10.5 14.7 14.7 1389.3 0.7 1388.3 10.5 14.7 14.7 1389.3 0.7 1388.3 10.5 14.7 14.7 1389.0 0.7 1388.3													72.73
Aug 21, 10,00 PM													72.49
Aug 22, 1200 AM													72.64
Aug 22, 1:00 AM	Aug 21, 11:00 PM	2.3	902.4	30.1	5.1	964.6	1483.8	15.3	14.7	1397.0	0.5	1397.0	72.49
Aug 22, 200 AM	Aug 22, 12:00 AM	2.6	1017.4	29.3	5.7	971.1	1487.6	14.1	14.7	1402.0	0.5	1402.0	72.52
Aug 22, 300 AM	Aug 22, 1:00 AM	2.6	997.2	28.3	5.0	978.5	1494.3	13.2	14.7	1388.1	0.5	1388.1	72.75
Aug 22, 4:00 AM 2.7 1096.8 27.8 3.9 933.2 1418.8 11.9 14.7 1386.6 0.5 1366.6 73.1 Aug 22, 5:00 AM 2.8 1056.3 28.6 2.3 982.1 1491.2 11.5 14.7 1385.0 0.5 1385.0 73.1 Aug 22, 6:00 AM 2.7 1026.2 28.3 2.0 990.3 1502.7 11.3 14.7 1385.2 0.5 1385.2 73.4 Aug 22, 7:00 AM 3.7 1328.1 30.2 2.9 1088.9 1684.7 11.7 14.7 1378.1 0.6 1378.1 74.4 Aug 22, 9:00 AM 3.5 1020.8 33.1 5.5 1263.5 1	Aug 22, 2:00 AM	2.5	947.4	27.7	4.6	970.5	1477.8	12.4	14.7	1398.4	0.5	1398.4	72.95
Aug 22, 500 AM 2.8 1058.3 28.6 2.3 982.1 1491.2 11.5 14.7 1395.0 0.5 1395.0 73.1 Aug 22, 600 AM 2.7 1026.2 26.3 2.0 990.3 1502.7 11.3 14.7 1385.2 0.5 1385.2 73.4 Aug 22, 700 AM 3.7 1328.1 30.2 2.9 1088.9 1654.7 11.7 14.7 1378.1 0.6 1378.1 74.4 Aug 22, 800 AM 3.5 1020.8 33.1 5.5 1263.5 1931.6 13.3 14.7 1390.5 0.7 1390.5 74.4 Aug 22, 800 AM 4.2 1255.5 35.3 10.0 1243.6 1922.7 16.7 14.7 1374.6 0.7 1374.6 74.6 Aug 22, 10.00 AM 4.7 1474.5 39.4 11.6 1192.9 1875.5 21.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 11.00 AM 5.9 1555.7 39.5 12.7 1416.4 2260.1 26.4 14.7 1466.0 0.8 1466.0 78.0 Aug 22, 1200 PM 8.9 2614.9 48.1 16.6 1281.4 2103.2 34.6 14.7 1383.1 0.8 1383.1 87.0 Aug 22, 100 PM 8.9 2614.9 48.1 16.0 1281.4 2103.2 34.6 14.7 1383.1 0.8 1383.1 87.0 Aug 22, 200 PM 9.1 2794.6 49.5 15.4 1233.9 1986.4 30.3 14.7 1394.1 0.7 1394.1 98.7 Aug 22, 400 PM 10.6 3262.6 50.9 15.2 1240.3 1986.9 27.4 14.7 1389.3 0.7 1389.3 0.7 1389.3 105.2 Aug 22, 200 PM 8.6 2293.8 49.0 13.9 1181.9 1874.6 244 14.7 1388.0 0.7 1389.3 0.7 1389.3 105.2 Aug 22, 200 PM 8.6 2293.8 49.0 13.9 1181.9 1874.6 244 14.7 1384.9 0.6 1384.9 116.5 Aug 22, 700 PM 8.6 2204.3 33.3 10.9 932.3 1466.8 22.1 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 700 PM 8.6 2204.3 33.3 10.9 932.3 1466.8 22.1 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 700 PM 8.6 2204.3 33.3 10.9 932.3 1466.8 22.1 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 700 PM 5.5 2224.5 39.5 8.3 94.1 1181.9 1874.6 244 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 700 PM 5.5 2224.5 39.5 8.3 94.1 1181.9 1874.6 244 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 700 PM 5.5 2224.5 39.5 8.3 94.1 1181.9 1874.6 244 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 700 PM 5.5 2224.5 39.5 8.3 94.1 1181.9 1874.6 244 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 700 PM 5.5 2224.5 39.5 8.3 94.1 1181.9 1874.6 244 14.7 1335.3 0.5 1433.3 158.0 1115.6 Aug 22, 700 PM 5.5 2224.5 39.5 8.3 94.7 14.7 12.9 1181.9 1874.6 244 14.7 1336.9 0.6 1384.9 120.6 Aug 22, 700 PM 5.5 2224.5 39.5 8.3 94.7 14.7 12.9 1181.9 1874.6 24.1 14.7 1336.9 0.6 1337.5 1340.8 149.3 149.2 140.0 Aug 22, 700 PM 5.5 2248.3 39.5 8.3 94.7													73.13
Aug 22, 600 AM	-												73.17
Aug 22, 7:00 AM 3.7 1328.1 30.2 2.9 1088.9 1654.7 11.7 14.7 1378.1 0.6 1378.1 74.4 Aug 22, 8:00 AM 3.5 1020.8 33.1 5.5 1283.5 1931.6 13.3 14.7 1390.5 0.7 1390.5 74.4 Aug 22, 8:00 AM 4.2 1255.5 35.3 10.0 1243.6 1923.7 16.7 14.7 1374.6 0.7 1374.6 74.6 Aug 22, 10:00 AM 4.7 1474.5 39.4 11.6 1192.9 1875.5 21.6 14.7 1374.6 0.7 1381.7 75.4 Aug 22, 10:00 AM 5.9 1555.7 39.5 12.7 1416.4 2260.1 26.4 14.7 1466.0 0.8 1466.0 78.0 Aug 22, 1:2:00 PM 7.3 2182.5 43.1 16.6 1264.3 2054.8 31.5 14.7 1383.1 0.8 1383.1 87.0 Aug 22, 1:0:0 PM 8.9 2614.9 48.1 16.0 1281.4 2103.2 34.6 14.7 1383.1 0.8 1383.1 87.0 Aug 22, 2:0:0 PM 9.1 2794.6 49.5 15.4 1233.9 1996.4 30.3 14.7 1394.1 0.7 1394.1 0.7 1394.1 98.7 Aug 22, 3:00 PM 9.1 2794.6 49.5 15.4 1233.9 1996.4 30.3 14.7 1394.1 0.7 1394.1 0.7 1394.1 98.7 Aug 22, 3:00 PM 9.1 2794.6 49.5 15.4 1233.9 1996.4 30.3 14.7 1383.3 0.7 1383.3 1652. Aug 22, 3:00 PM 8.6 2769.4 47.1 12.9 1181.9 1874.6 24.4 14.7 1389.3 0.7 1389.3 1652. Aug 22, 6:00 PM 8.6 2769.4 47.1 12.9 1181.9 1874.6 24.4 14.7 1379.9 0.7 1379.9 116.7 Aug 22, 6:00 PM 7.3 2595.9 44.0 12.4 1068.4 1690.9 23.7 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.21 1472.5 20.2 14.7 1433.3 0.5 1433.3 0.5 1433.3 126.8 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 94.2 142.6 1590.5 18.5 14.7 1384.9 0.6 1384.9 120.6 1337.5 134.0 Aug 23, 1:00 AM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1386.0 0.5 1385.7 1473.4 122.4 142.2 142.2 142.2 142.2 142.2 142.2 142.2 142.2 142.2 142.	_												73.16
Aug 22, 8:00 AM													73.41
Aug 22, 900 AM 4.2 1255.5 35.3 10.0 1243.6 1923.7 16.7 14.7 1374.6 0.7 1374.6 74.6 Aug 22, 10:00 AM 4.7 1474.5 39.4 11.6 1192.9 1875.5 21.6 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 11:00 PM 5.9 1555.7 39.5 12.7 1416.4 2260.1 26.4 14.7 1381.7 0.7 1381.7 75.4 Aug 22, 1:00 PM 8.9 2614.9 48.1 16.6 1264.3 2054.8 31.5 14.7 1383.1 0.8 1383.1 87.0 Aug 22, 2:00 PM 9.8 2934.0 50.1 16.9 1266.4 2091.0 36.5 14.7 1383.6 0.7 1383.6 92.9 Aug 22, 3:00 PM 9.1 2794.6 49.5 15.4 1233.9 1996.4 30.3 14.7 1394.1 0.7 1394.1 98.7 Aug 22, 4:00 PM 10.6 3262.6 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>													
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Aug 22, 12:00 PM 8.9 2614.9 48.1 16.6 1264.3 2054.8 31.5 14.7 1359.8 0.7 1359.8 81.8 Aug 22, 1:00 PM 8.9 2614.9 48.1 16.0 1281.4 2103.2 34.6 14.7 1383.1 0.8 1383.1 87.0 Aug 22, 2:00 PM 9.8 2934.0 50.1 16.9 1266.4 2091.0 36.5 14.7 1383.6 0.7 1383.6 0.7 1383.6 92.9 Aug 22, 3:00 PM 9.1 2794.6 49.5 15.4 1233.9 1996.4 30.3 14.7 1394.1 0.7 1394.1 98.7 Aug 22, 4:00 PM 10.6 3262.6 50.9 15.2 1240.3 1986.9 27.4 14.7 1389.3 0.7 1389.3 105.2 Aug 22, 5:00 PM 9.2 2938.8 49.0 13.9 1188.4 1893.5 25.8 14.7 1388.0 0.7 1388.0 111.5 Aug 22, 7:00 PM 8.6 2769.4 47.1 12.9 1811.9 1874.6 24.4 14.7 1379.9 0.7 1379.9 116.7 Aug 22, 7:00 PM 7.3 2595.9 44.0 12.4 1068.4 1690.9 23.7 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 8:00 PM 5.4 2203.4 39.3 10.9 39.2 3 1466.8 22.1 14.7 1404.5 0.5 1404.5 123.6 Aug 22, 8:00 PM 5.5 2224.5 39.5 8.3 942.1 1472.5 20.2 14.7 1433.3 0.5 1433.3 156.8 Aug 22, 11:00 PM 5.9 2180.3 38.1 8.0 1006.1 1566.1 19.0 14.7 1426.2 0.6 1426.2 130.3 Aug 22, 11:00 PM 6.0 2186.2 39.4 7.4 1024.0 1590.5 18.5 14.7 1337.5 0.6 1337.5 134.0 Aug 23, 11:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1364.2 0.5 1339.3 136.9 Aug 23, 11:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1364.2 0.5 1354.2 136.9 Aug 23, 3:00 AM 5.1 206.6 34.2 7.5 949.9 1471.1 17.2 14.7 1375.6 0.5 1354.2 142.2 Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1481.1 16.4 14.7 1375.6 0.5 1354.7 1426.2 Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1368.7 0.5 1354.7 1426.2 Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1481.1 16.4 14.7 1375.6 0.5 1354.2 142.2 Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1481.1 16.4 14.7 1375.6 0.5 1356.7 147.3 142.2 Aug 23, 3:00 AM 4.8 1889.1 31.5 6.4 95.5 1473.6 148.8 14.7 1368.8 0.5 1356.8 149.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 95.5 1473.6 148.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 95.5 1473.6 148.8 14.7 1366.8 0.5 1366.8 149.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 95.5 1473.6 148.8 14.7 1368.8 0.5 1366.8 149.3 Aug 23, 6:00 AM 4.8 1889.1 31.5 6.4 95.5 1473.6 148.8 14.7 1368.8 0.5 1366.8 149.3 Aug 23, 6:00 A													
Aug 22, 1:00 PM													81.86
Aug 22, 2:00 PM 9.8 2934.0 50.1 16.9 1266.4 2091.0 36.5 14.7 1383.6 0.7 1383.6 92.9 Aug 22, 3:00 PM 9.1 2794.6 49.5 15.4 1233.9 1996.4 30.3 14.7 1394.1 0.7 1394.1 98.7 Aug 22, 4:00 PM 10.6 3262.6 50.9 15.2 1240.3 1986.9 27.4 14.7 1389.3 0.7 1389.3 105.2 Aug 22, 5:00 PM 9.2 2938.8 49.0 13.9 1188.4 1893.5 25.8 14.7 1389.0 0.7 1388.0 111.5 Aug 22, 6:00 PM 8.6 2769.4 47.1 12.9 1181.9 1874.6 24.4 14.7 1379.9 0.7 1379.9 116.7 Aug 22, 6:00 PM 7.3 2595.9 44.0 12.4 1068.4 1690.9 23.7 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 10:00 PM 5.4 220.4 39.3 10.9 932.3 1466.8 22.1 14.7 1433.3 0.5 </td <td></td> <td>87.08</td>													87.08
Aug 22, 3:00 PM 9.1 2794.6 49.5 15.4 1233.9 1996.4 30.3 14.7 1394.1 0.7 1394.1 98.7 Aug 22, 4:00 PM 10.6 3262.6 50.9 15.2 1240.3 1986.9 27.4 14.7 1398.3 0.7 1389.3 105.2 Aug 22, 5:00 PM 9.2 2938.8 49.0 13.9 1188.4 1893.5 25.8 14.7 1388.0 0.7 1388.0 111.5 Aug 22, 6:00 PM 8.6 2769.4 47.1 12.9 1181.9 1874.6 24.4 14.7 1379.9 0.7 1379.9 116.7 Aug 22, 7:00 PM 7.3 2595.9 44.0 12.4 1068.4 1690.9 23.7 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 8:00 PM 5.4 2203.4 39.3 10.9 932.3 1466.8 22.1 14.7 1404.5 0.5 1404.5 123.6 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 942.1 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 10:00 PM 5.9 2180.3 38.1 8.0 1006.1 1566.1 19.0 14.7 1426.2 0.6 1426.2 130.3 Aug 22, 11:00 PM 6.0 2186.2 39.4 7.4 1024.0 1590.5 18.5 14.7 1337.5 0.6 1337.5 134.0 Aug 23, 12:00 AM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1354.2 0.5 1339.3 136.9 Aug 23, 12:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1337.4 142.2 Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1376.0 0.5 1375.6 1450. Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1376.0 0.5 1375.6 1450. Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1376.6 0.5 1375.6 1450. Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1376.6 0.5 1375.6 1450. Aug 23, 3:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1376.6 0.5 1375.6 1450. Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 1450. Aug 23, 3:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1388.8 0.5 1388.8 149.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1376.9 0.5 1376.9 151.3													92.99
Aug 22, 4:00 PM 9.2 2938.8 49.0 13.9 1188.4 1893.5 25.8 14.7 1388.0 0.7 1388.0 111.5 Aug 22, 6:00 PM 9.2 2938.8 49.0 13.9 1188.4 1893.5 25.8 14.7 1388.0 0.7 1388.0 111.5 Aug 22, 6:00 PM 8.6 2769.4 47.1 12.9 1181.9 1874.6 24.4 14.7 1379.9 0.7 1379.9 116.7 Aug 22, 7:00 PM 7.3 2595.9 44.0 12.4 1068.4 1690.9 23.7 14.7 1384.9 0.6 1384.9 120.6 Aug 22, 8:00 PM 5.4 2203.4 39.3 10.9 932.3 1466.8 22.1 14.7 1404.5 0.5 1404.5 123.6 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 942.1 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 10:00 PM 5.9 2180.3 38.1 8.0 1006.1 1566.1 19.0 14.7 1426.2 0.6 1426.2 130.3 Aug 22, 11:00 PM 6.0 2186.2 39.4 7.4 1024.0 1590.5 18.5 14.7 1337.5 0.6 1337.5 1340.0 Aug 23, 1:00 AM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1354.2 0.5 1399.3 136.9 Aug 23, 1:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1376.6 0.5 1375.6 1450.0 Aug 23, 2:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1356.0 0.5 1375.6 145.0 Aug 23, 2:00 AM 5.3 2145.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 145.0 Aug 23, 3:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1899.1 31.5 6.4 959.5 1473.6 148.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1899.1 31.5 6.4 959.5 1473.6 148.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3													98.78
Aug 22, 5:00 PM	-												105.28
Aug 22, 6:00 PM	Aug 22, 5:00 PM											1388.0	111.50
Aug 22, 8:00 PM 5.4 2203.4 39.3 10.9 932.3 1466.8 22.1 14.7 1404.5 0.5 1404.5 123.6 Aug 22, 9:00 PM 5.5 2224.5 39.5 8.3 942.1 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 10:00 PM 5.9 2180.3 38.1 8.0 1006.1 1566.1 19.0 14.7 1426.2 0.6 1426.2 130.3 Aug 22, 11:00 PM 6.0 2186.2 39.4 7.4 1024.0 1590.5 18.5 14.7 1337.5 0.6 1337.5 134.0 Aug 22, 11:00 PM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1339.3 0.5 1339.3 136.9 Aug 23, 1:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.1 2026.6 34.2 7.5 949.9 1471.1 17.2 14.7 1347.4 0.5 1347.4 142.2 Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 1450.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1358.7 0.5 1368.8 149.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1899.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3		8.6	2769.4	47.1	12.9						0.7	1379.9	116.70
Aug 22, 10:00 PM 5.5 2224.5 39.5 8.3 942.1 1472.5 20.2 14.7 1433.3 0.5 1433.3 126.8 Aug 22, 10:00 PM 5.9 2180.3 38.1 8.0 1006.1 1566.1 19.0 14.7 1426.2 0.6 1426.2 130.3 Aug 22, 11:00 PM 6.0 2186.2 39.4 7.4 1024.0 1590.5 18.5 14.7 1337.5 0.6 1337.5 134.0 Aug 23, 12:00 AM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1339.3 0.5 1339.3 136.9 Aug 23, 1:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.1 2026.6 34.2 7.5 949.9 1471.1 17.2 14.7 1376.4 0.5 1347.4 142.2 Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 145.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1358.7 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1376.9 0.5 1376.9 151.3		7.3	2595.9	44.0	12.4	1068.4		23.7	14.7		0.6	1384.9	120.65
Aug 22, 10:00 PM 5.9 2180.3 38.1 8.0 1006.1 1566.1 19.0 14.7 1426.2 0.6 1426.2 130.3 Aug 22, 11:00 PM 6.0 2186.2 39.4 7.4 1024.0 1590.5 18.5 14.7 1337.5 0.6 1337.5 134.0 Aug 23, 12:00 AM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1339.3 0.5 1339.3 136.9 Aug 23, 1:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.1 2026.6 34.2 7.5 949.9 1471.1 17.2 14.7 1347.4 0.5 1347.4 142.2 Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 145.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1356.9 0.5	-												123.63
Aug 22, 11:00 PM 6.0 2186.2 39.4 7.4 1024.0 1590.5 18.5 14.7 1337.5 0.6 1337.5 134.0 Aug 23, 12:00 AM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1339.3 0.5 1339.3 136.9 Aug 23, 1:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.1 2026.6 34.2 7.5 949.9 1471.1 17.2 14.7 1347.4 0.5 1347.4 142.2 Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 145.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1368.8 0.5 1368.7 147.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5													126.81
Aug 23, 12:00 AM 5.5 2201.1 35.9 8.7 954.5 1482.0 18.1 14.7 1339.3 0.5 1339.3 136.9 Aug 23, 1:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.1 2026.6 34.2 7.5 949.9 1471.1 17.2 14.7 1347.4 0.5 1347.4 142.2 Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1376.9 145.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1358.7 0.5 1358.7 147.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 <													130.30
Aug 23, 1:00 AM 5.3 2142.8 35.2 8.1 940.8 1459.3 17.7 14.7 1354.2 0.5 1354.2 139.6 Aug 23, 2:00 AM 5.1 2026.6 34.2 7.5 949.9 1471.1 17.2 14.7 1347.4 0.5 1347.4 142.2 Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 145.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1358.7 0.5 1358.7 147.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3													134.02
Aug 23, 2:00 AM 5.1 2026.6 34.2 7.5 949.9 1471.1 17.2 14.7 1347.4 0.5 1347.4 142.2 Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 145.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1358.7 0.5 1358.7 147.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3													136.90
Aug 23, 3:00 AM 5.3 2115.5 33.1 7.5 958.8 1481.1 16.4 14.7 1375.6 0.5 1375.6 145.0 Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1358.7 0.5 1358.7 147.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3													
Aug 23, 4:00 AM 5.0 1983.5 32.1 7.2 952.0 1466.8 15.7 14.7 1358.7 0.5 1358.7 147.3 Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3													
Aug 23, 5:00 AM 4.8 1889.1 31.5 6.4 959.5 1473.6 14.8 14.7 1368.8 0.5 1368.8 149.3 Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3													
Aug 23, 6:00 AM 4.8 1929.4 31.7 5.7 939.3 1437.3 13.8 14.7 1376.9 0.5 1376.9 151.3													
													151.39
, rad co, r. co rate	Aug 23, 7:00 AM	4.9	1695.9	32.2	6.1	1153.5	1762.9	13.8	14.7	893.6	0.6	1524.2	152.57

Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Aug 23, 8:00 AM	6.1	1989.6	34.5	8.1	1184.6	1822.5	15.5	14.7	1429.3	0.7	1429.3	155.19
Aug 23, 9:00 AM	6.2	1997.9	39.8	11.8	1175.7	1837.3	19.9	14.7	1382.4	0.7	1382.4	157.23
Aug 23, 10:00 AM	6.6	2147.3	43.3	12.6	1155.9	1834.5	24.6	14.7	1380.6	0.7	1380.6	159.08
Aug 23, 11:00 AM	6.8	2089.8	45.6	14.3	1219.3	1954.4	27.5	14.7	1382.1	0.7	1382.1	159.98
Aug 23, 12:00 PM	6.7	2059.1	44.5	17.5	1214.8	1966.1	30.5	14.7	1362.0	0.7	1362.0	159.31
Aug 23, 1:00 PM	6.8	2051.5	44.5	17.0	1236.1	1999.7	30.4	14.7	1371.3	0.7	1371.3	157.20
Aug 23, 2:00 PM	6.1	1855.5	44.1	16.1	1235.4	1990.2	29.1	14.7	1375.6	0.7	1375.6	153.51
Aug 23, 3:00 PM	6.2	1858.5	43.8	15.4	1251.7	2016.5	29.1	14.7	1376.7	0.7	1376.7	150.63
Aug 23, 4:00 PM	7.3	2241.6	44.6	15.0	1232.4	1977.2	27.9	14.7	1384.7	0.7	1384.7	147.33
Aug 23, 5:00 PM	6.2	1953.0	44.6	14.4	1192.1	1900.4	26.0	14.7	1389.5	0.7	1389.5	144.33
Aug 23, 6:00 PM	6.1	1897.5	43.9	13.6	1211.3	1920.4	24.4	14.7	1390.2	0.7	1390.2	141.83
Aug 23, 7:00 PM	5.7	1963.2	41.6	12.0	1094.1	1726.7	22.9	14.7	1376.8	0.6	1376.8	140.18
Aug 23, 8:00 PM	4.9	1787.2	37.4	10.5	1039.2	1631.4	21.3	14.7	1373.3	0.6	1373.3	139.68
Aug 23, 9:00 PM	4.4	1735.3	35.8	10.1	948.0	1485.7	20.8	14.7	1368.4	0.5	1368.4	138.52
Aug 23, 10:00 PM	4.4	1839.8	35.2	6.8	897.8	1400.2	19.5	14.7	1388.1	0.5	1388.1	137.02
Aug 23, 11:00 PM	4.4	1865.5	36.0	5.5	906.0	1407.7	18.4	14.7	1401.4	0.5	1401.4	135.43
Aug 24, 12:00 AM	4.7	2005.2	35.8	5.8	896.6	1388.3	17.4	14.7	1415.7	0.5	1415.7	134.63
Aug 24, 1:00 AM	4.5	1888.6	34.1	6.6	909.2	1404.5	16.6	14.7	1373.0	0.5	1373.0	133.85
Aug 24, 2:00 AM	4.5	1843.3	33.7	7.0	924.0	1424.6	16.1	14.7	1375.9	0.5	1375.9	133.27
Aug 24, 3:00 AM	4.3	1802.1	32.6	6.9	912.1	1403.9	15.6	14.7	1365.3	0.5	1365.3	132.26
Aug 24, 4:00 AM	4.4	1878.2	32.1	6.9	899.1	1379.6	14.8	14.7	1383.2	0.5	1383.2	131.74
Aug 24, 5:00 AM	5.1	2122.5	32.0	4.9	911.2	1395.2	14.1	14.7	1379.4	0.5	1379.4	132.04
Aug 24, 6:00 AM	4.6	1975.9	33.1	3.8	895.1	1369.4	13.9	14.7	1379.7	0.5	1379.7	131.92
Aug 24, 7:00 AM	5.0	1935.0	34.9	4.5	980.1	1501.8	14.3	14.7	1382.0	0.5	1382.0	131.99
Aug 24, 8:00 AM	6.4	2010.1	39.8	7.6	1197.7	1848.6	16.3	14.7	1402.8	0.7	1402.8	132.27
Aug 24, 9:00 AM	6.9	2165.4	43.5	14.5	1202.9	1885.4	20.8	14.7	1381.9	0.7	1381.9	132.96
Aug 24, 10:00 AM	7.0	2242.2	47.6	16.3	1176.9	1874.1	25.6	14.7	1400.2	0.7	1400.2	133.40
Aug 24, 11:00 AM	7.5	2187.6	46.9	18.7	1285.2	2070.4	29.1	14.7	1380.9	0.7	1380.9	134.12
Aug 24, 12:00 PM	7.1	2038.9	44.0	19.9	1307.5	2132.1	32.9	14.7	1384.4	0.8	1384.4	134.60
Aug 24, 1:00 PM	7.1	2124.8	45.4	19.4	1256.9	2053.9	33.6	14.7	1391.4	0.7	1391.4	134.96
Aug 24, 2:00 PM	7.1	2114.3	45.8	19.4	1256.0	2053.3	33.7	14.7	1398.9	0.7	1398.9	135.92
Aug 24, 3:00 PM	6.9	2078.4	46.3	18.7	1245.5	2031.5	33.1	14.7	1413.2	0.7	1413.2	136.62
Aug 24, 4:00 PM	7.0	2231.2	46.2	17.0	1184.0	1909.4	29.6	14.7	1417.2	0.7	1417.2	136.31
Aug 24, 5:00 PM	6.1	1955.0	44.8	15.3	1179.3	1893.2	28.3	14.7	1427.4	0.7	1427.4	136.25
Aug 24, 6:00 PM	5.8	1914.1	44.1	13.9	1132.9	1808.6	26.6	14.7	1430.0	0.6	1430.0	135.91
Aug 24, 7:00 PM	5.5	1933.9	42.9	12.6	1077.3	1710.3	24.9	14.7	1434.4	0.6	1434.4	135.75
Aug 24, 8:00 PM	5.0	2006.4	40.0	11.0	941.8	1484.0	22.7	14.7	1459.3	0.5	1459.3	135.84
Aug 24, 9:00 PM	4.4	1800.3	37.4	9.6	933.0	1462.2	21.0	14.7	1427.3	0.5	1427.3	135.93
Aug 24, 10:00 PM	4.7	1774.7	34.8	9.4	980.9	1532.3	20.1	14.7	1434.7	0.5	1434.7	136.23
Aug 24, 11:00 PM	3.7	1633.3	35.0	7.9	857.1	1335.1	19.5	14.7	1505.1	0.5	1505.1	135.48
Aug 25, 12:00 AM	4.3	1946.5	38.9	5.8	848.5	1324.5	20.0	14.7	1462.0	0.5	1462.0	135.10
Aug 25, 1:00 AM	4.8	2046.7	39.2	7.0	884.4	1381.3	20.0	14.7	1437.3	0.5	1437.3	135.35
Aug 25, 2:00 AM	4.7	1994.4	38.0	8.2	896.1	1396.9	19.5	14.7	1427.6	0.5	1427.6	135.58
Aug 25, 3:00 AM	4.5	1910.1	36.4	7.3	890.0	1384.3	18.8	14.7	1429.3	0.5	1429.3	135.73
Aug 25, 4:00 AM	4.7	1974.6	36.1	7.6	908.4	1409.1	18.0	14.7	1416.1	0.5	1416.1	136.02
Aug 25, 5:00 AM	4.9	2069.8	35.7	6.0	897.3	1389.1	17.4	14.7	1409.8	0.5	1409.8	135.84
Aug 25, 6:00 AM	4.5	1887.4	35.7	5.4	902.9	1394.9	16.8	14.7	1410.4	0.5	1410.4	135.68
Aug 25, 7:00 AM	5.5	2114.7	36.2	5.7	984.2	1520.3	16.7	14.7	1411.5	0.5	1411.5	136.17
Aug 25, 8:00 AM	7.9	2519.0	40.1	7.6	1196.3	1859.4	18.5	14.7	1420.7	0.7	1420.7	137.67
Aug 25, 9:00 AM	6.8	2182.4	44.0	10.7	1173.7	1850.8	22.7	14.7	1414.7	0.7	1414.7	137.53
Aug 25, 10:00 AM	8.0	2245.1	45.8	16.0	1343.7	2161.8	28.7	14.7	1431.6	0.8	1431.6	138.53
Aug 25, 11:00 AM	6.8	2018.9	44.3	18.9	1260.7	2061.9	34.1	14.7	1465.1	0.7	1465.1	137.82
Aug 25, 12:00 PM	10.6	3268.6	46.1	20.1	1242.7	2060.7	38.2	14.7	1417.8	0.7	1417.8	141.25
Aug 25, 1:00 PM	7.8	2354.9	46.4	19.0	1242.7	2056.3	37.6	14.7	1433.2	0.7	1433.2	141.91
Aug 25, 2:00 PM	7.3	2152.4	46.4	18.0	1278.5	2110.1	36.8	14.7	1436.6	0.8	1436.6	142.15
Aug 25, 3:00 PM	7.5	2229.0	46.9	17.1	1271.8	2089.1	35.4	14.7	1450.2	0.7	1450.2	142.77
Aug 25, 4:00 PM	8.3	2529.1	46.3	16.4	1234.9	2011.7	32.9	14.7	1448.9	0.7	1448.9	144.04
Aug 25, 5:00 PM	6.5	2074.5	44.6	14.8	1178.7	1905.2	30.5	14.7	1463.0	0.7	1463.0	144.39
Aug 25, 6:00 PM	5.7	1910.6	43.5	13.3	1123.5	1804.1	28.5	14.7	1467.9	0.6	1467.9	144.33
Aug 25, 7:00 PM	5.0	1667.2	40.6	12.4	1128.9	1803.6	26.9	14.7	1450.5	0.6	1450.5	143.84
Aug 25, 8:00 PM	4.2	1698.3	36.6	11.0	924.0	1466.6	25.0	14.7	1446.4	0.5	1446.4	142.98
Aug 25, 9:00 PM	4.1	1719.8	36.1	9.9	898.3	1418.6	23.5	14.7	1448.3	0.5	1448.3	142.63
Aug 25, 10:00 PM	4.1	1790.3	35.2	9.8	872.9	1373.8	22.5	14.7	1446.7	0.5	1446.7	142.12
Aug 25, 11:00 PM	4.1	1757.9	33.3	8.8	883.5	1386.3	21.5	14.7	1431.3	0.5	1431.3	142.51
Aug 26, 12:00 AM	4.1	1758.2	32.8	8.6	874.7	1369.5	20.8	14.7	1439.4	0.5	1439.4	142.22
Aug 26, 1:00 AM	4.6	2069.5	33.1	7.1	843.9	1317.2	20.0	14.7	1481.9	0.5	1481.9	142.04
Aug 26, 2:00 AM	3.9	1762.0	34.8	4.8	830.5	1293.2	19.3	14.7	1451.7	0.5	1451.7	141.17
Aug 26, 3:00 AM	4.0	1772.6	34.1	4.6	847.7	1316.3	18.5	14.7	1440.9	0.5	1440.9	140.64
Aug 26, 4:00 AM	5.6	2509.1	34.0	4.4	860.0	1332.3	17.7	14.7	1428.0	0.5	1440.9	141.51
Aug 26, 5:00 AM	5.0	2333.8	34.0	4.4	838.7	1297.6	17.7	14.7	1428.0	0.5	1428.0	141.75
Aug 26, 6:00 AM	4.5	2003.6	33.6	4.1	855.8	1323.3	17.4	14.7	1425.5	0.5	1425.5	141.75
Aug 26, 7:00 AM	6.5	2528.6	34.8	5.5	959.3	1323.3	17.1	14.7	838.0	0.5	1425.5	141.75
Aug 26, 7:00 AM	9.6	3696.0	37.8	7.3	1075.9	1679.3	17.9	14.7	1414.8	0.6	1432.7	144.51
Aug 26, 9:00 AM	8.1	2530.6	41.1	9.8	1221.1	1930.0	23.6	14.7	1414.8	0.6	1414.8	144.51
	11.6		41.1			2006.7	29.0		1400.4		1400.6	149.37
Aug 26, 10:00 AM		3561.5 3703.6		15.9	1246.9			14.7		0.7		
Aug 26, 11:00 AM	12.9	3703.6	46.6	15.7	1326.2	2160.2	32.7	14.7	1448.0	0.8	1448.0	155.45
Aug 26, 12:00 PM	13.1	3188.4	44.7	13.5	1563.6	2566.4	35.7	14.7	1647.2	0.9	1647.2	157.95
Aug 26, 1:00 PM	9.9	2087.0	39.6	9.5	1806.0	2959.7	35.8 35.7	14.8	1856.2	1.1	1856.2	160.07
Aug 26, 2:00 PM	9.0	1650.4	36.2	7.3	2070.8	3388.3	35.7	14.8	2017.3	1.2	2017.3	161.78
Aug 26, 3:00 PM	12.0	1984.5	35.5	7.1	2294.2	3741.6	34.8	14.8	2041.6	1.3	2041.6	166.23

Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Aug 26, 4:00 PM	13.0	2367.6	37.4	8.4	2076.3	3372.1	33.4	14.8	2009.8	1.2	2009.8	170.93
Aug 26, 5:00 PM	9.5	2021.3	38.1	8.9	1787.9	2888.0	31.6	14.8	1951.7	1.0	1951.7	173.96
Aug 26, 6:00 PM	9.3	2032.3	38.4	8.8	1733.0	2783.3	29.8	14.8	1913.0	1.0	1913.0	177.53
Aug 26, 7:00 PM	9.7	2979.3	44.0	11.5	1289.3	2059.9	27.7	14.7	1709.1	0.7	1709.1	182.16
Aug 26, 8:00 PM Aug 26, 9:00 PM	6.2 5.9	2481.6 1640.6	40.3 33.2	10.8 8.3	933.7 1381.8	1482.9 2182.3	25.3 23.8	14.7 14.7	1495.4 1332.3	0.5 0.8	1495.4 1332.3	184.15 185.99
Aug 26, 9:00 PM	4.6	1640.6	33.5	8.1	1039.0	1636.1	23.6	14.7	1423.9	0.6	1423.9	186.43
Aug 26, 11:00 PM	3.8	1761.9	35.7	6.1	828.3	1302.8	22.4	14.7	1458.3	0.5	1458.3	186.18
Aug 27, 12:00 AM	3.8	1769.5	37.8	4.3	824.9	1297.0	22.3	14.7	1485.1	0.5	1485.1	185.96
Aug 27, 1:00 AM	3.6	1661.2	37.4	4.7	815.6	1282.0	22.2	14.7	1472.3	0.5	1472.3	184.96
Aug 27, 2:00 AM	3.8	1753.6	37.1	4.1	817.6	1284.6	22.1	14.7	1481.8	0.5	1481.8	184.88
Aug 27, 3:00 AM	3.5	1634.1	37.2	4.4	823.3	1293.8	22.1	14.7	1467.0	0.5	1467.0	184.48
Aug 27, 4:00 AM	4.1	1668.4	37.3	5.8	938.5	1476.5	22.3	14.7	1432.0	0.5	1432.0	183.00
Aug 27, 5:00 AM	5.7	2510.4	39.1	9.3	869.8	1369.7	22.5	14.7	1428.4	0.5	1428.4	183.61
Aug 27, 6:00 AM	3.7	1554.2	36.2	7.7	899.6	1418.5	22.9	14.7	1438.1	0.5	1438.1	182.83
Aug 27, 7:00 AM	3.4	1380.4	35.5	7.2	917.9	1448.4	23.3	14.7	1483.4	0.5	1483.4	179.75
Aug 27, 8:00 AM	4.1	1415.2	36.4	7.5	1084.1	1715.8	24.1	14.7	1474.8	0.6	1474.8	174.20
Aug 27, 9:00 AM	4.4	1433.4	37.7	9.0	1150.9	1835.1	26.3	14.7	1439.6	0.7	1439.6	170.54
Aug 27, 10:00 AM	4.1	1331.0	39.2	9.8	1152.5	1851.4	28.5	14.7	1433.8	0.7	1433.8	163.07
Aug 27, 11:00 AM	4.3	1397.7	40.7	10.1	1143.8	1845.1	29.8	14.7	1442.8	0.7	1442.8	154.50
Aug 27, 12:00 PM	5.2 5.8	1611.7 1823.3	43.0 44.2	9.5 9.7	1203.7 1197.1	1959.2 1947.2	32.5 32.4	14.7 14.7	1465.4 1453.7	0.7 0.7	1465.4 1453.7	146.59 142.44
Aug 27, 1:00 PM Aug 27, 2:00 PM	4.6	1451.9	44.2	9.7	1182.6	1947.2	35.1	14.7	1499.8	0.7	1493.7	137.99
Aug 27, 3:00 PM	4.7	1502.7	44.9	9.1	1170.3	1924.0	35.9	14.7	1510.8	0.7	1510.8	130.72
Aug 27, 4:00 PM	5.6	1995.2	45.1	9.6	1085.6	1777.1	34.5	14.7	1504.8	0.6	1510.8	123.40
Aug 27, 5:00 PM	4.4	1538.8	43.1	8.2	1081.0	1752.6	31.6	14.7	1509.3	0.6	1509.3	118.30
Aug 27, 6:00 PM	3.9	1366.9	41.9	9.0	1065.7	1719.9	30.2	14.7	1480.8	0.6	1480.8	112.92
Aug 27, 7:00 PM	3.5	1288.6	39.8	7.3	1016.3	1630.2	28.4	14.7	1481.4	0.6	1481.4	106.75
Aug 27, 8:00 PM	2.9	1099.6	37.5	6.3	962.0	1537.0	27.1	14.7	1502.8	0.5	1502.8	103.45
Aug 27, 9:00 PM	2.8	1060.1	35.0	6.3	995.3	1589.4	27.1	14.7	1524.2	0.6	1524.2	100.35
Aug 27, 10:00 PM	2.8	956.7	32.7	5.1	1080.5	1716.6	25.7	14.7	1590.3	0.6	1590.3	98.59
Aug 27, 11:00 PM	2.4	1023.8	34.6	4.1	863.0	1365.4	24.3	14.7	1518.3	0.5	1518.3	97.11
Aug 28, 12:00 AM	2.3	982.7	34.9	5.2	871.3	1379.6	24.3	14.7	1454.7	0.5	1454.7	95.57
Aug 28, 1:00 AM	2.5	1017.9	32.9	5.7	904.8	1431.8	24.1	14.7	1427.1	0.5	1427.1	94.46
Aug 28, 2:00 AM	2.4	988.3	33.4	3.9	903.1	1424.4	23.0	14.7	1410.9	0.5	1410.9	93.07
Aug 28, 3:00 AM	2.4	956.1	32.9	4.0	927.4	1458.1	22.0	14.7	1403.6	0.5	1403.6	91.90
Aug 28, 4:00 AM	2.5	1041.3	31.4	3.9	905.7	1422.0	21.6	14.7	1408.2	0.5	1408.2	90.29
Aug 28, 5:00 AM	2.4	1063.6	31.9	3.5	864.2	1360.1	22.3	14.7	1404.1	0.5	1404.1	87.01
Aug 28, 6:00 AM	2.4	1056.9	33.7	3.1	866.5	1367.3	23.1	14.7	1388.1	0.5	1388.1	85.74
Aug 28, 7:00 AM	2.2	917.3	32.3	3.6	887.9	1400.5	23.1	14.7	1380.9	0.5	1408.4	84.55
Aug 28, 8:00 AM	2.8	1008.9	32.9	4.9	1040.2	1644.0	23.6	14.7	1403.1	0.6	1403.1	83.28
Aug 28, 9:00 AM	3.1	1056.6	35.3	5.8	1103.4	1758.8	26.1	14.7	1399.4	0.6	1399.4	82.01
Aug 28, 10:00 AM	3.1	1050.1	35.0	6.4	1115.3	1787.5	27.8	14.7	1421.6	0.6	1421.6	81.04
Aug 28, 11:00 AM	3.5	1153.5	35.7	7.3	1125.5	1816.5	29.9	14.7	1426.9	0.6	1426.9	80.24
Aug 28, 12:00 PM Aug 28, 1:00 PM	4.0 3.9	1296.9 1235.7	37.9 38.2	7.1 7.9	1143.9 1183.3	1866.0 1937.2	33.2 34.3	14.7 14.7	1435.0 1435.1	0.7 0.7	1435.0 1435.1	79.03 77.19
Aug 28, 2:00 PM	4.1	1233.7	37.0	9.2	1236.9	2038.4	36.6	14.7	1472.1	0.7	1472.1	76.74
Aug 28, 3:00 PM	3.2	1093.3	37.5	7.9	1102.6	1785.9	31.1	14.7	1450.3	0.6	1450.3	75.28
Aug 28, 4:00 PM	3.2	1112.1	37.2	6.4	1074.6	1722.5	28.0	14.7	1439.8	0.6	1439.8	72.84
Aug 28, 5:00 PM	3.6	1273.0	35.7	5.9	1044.9	1667.6	26.9	14.7	1494.0	0.6	1494.0	71.96
Aug 28, 6:00 PM	3.0	1065.7	35.3	7.0	1055.8	1685.4	26.8	14.7	1443.0	0.6	1443.0	71.07
Aug 28, 7:00 PM	2.8	976.8	33.1	6.8	1074.5	1706.7	25.4	14.7	1536.2	0.6	1536.2	70.39
Aug 28, 8:00 PM	2.3	945.5	30.7	6.5	911.2	1437.0	23.0	14.7	1447.4	0.5	1447.4	69.85
Aug 28, 9:00 PM	2.4	961.0	30.7	3.6	918.9	1441.6	21.4	14.7	1443.8	0.5	1443.8	69.38
Aug 28, 10:00 PM	2.3	936.2	31.1	1.8	928.9	1451.7	20.3	14.7	1451.4	0.5	1451.4	68.88
Aug 28, 11:00 PM	2.0	828.4	29.5	1.8	913.7	1424.5	19.6	14.7	1419.8	0.5	1419.8	68.53
Aug 29, 12:00 AM	2.5	1050.9	29.8	2.0	908.8	1416.0	19.4	14.7	1418.1	0.5	1418.1	68.76
Aug 29, 1:00 AM	2.4	1001.2	29.5	1.8	910.5	1417.4	19.1	14.7	1423.8	0.5	1423.8	68.71
Aug 29, 2:00 AM	2.3	963.7	29.6	1.9	903.5	1405.1	18.7	14.7	1405.9	0.5	1405.9	68.63
Aug 29, 3:00 AM	2.1	887.5	29.3	1.7	893.6	1388.5	18.5	14.7	1420.7	0.5	1420.7	68.37
Aug 29, 4:00 AM	2.4	995.9	29.5	2.4	929.0	1443.8	18.5	14.7	1399.4	0.5	1399.4	68.32 68.37
Aug 29, 5:00 AM Aug 29, 6:00 AM	2.5 2.3	1092.7 944.4	29.5 29.1	2.2 1.9	864.2 907.5	1341.0 1408.2	18.1	14.7 14.7	1413.8 1409.6	0.5 0.5	1413.8 1409.6	68.37 68.21
Aug 29, 6:00 AM Aug 29, 7:00 AM	3.1	1255.9	29.1	2.4	907.5	1408.2	18.1 18.2	14.7	1411.8	0.5	1409.6	69.08
Aug 29, 7:00 AM Aug 29, 8:00 AM	2.7	1255.9	29.5	2.4	1017.8	1585.4	19.2	14.7	1411.8	0.6	1411.6	69.08
Aug 29, 9:00 AM	3.4	1122.6	31.2	3.2	1142.6	1794.2	21.5	14.7	1402.5	0.6	1412.0	69.28
Aug 29, 10:00 AM	3.8	1230.2	32.9	4.6	1166.4	1859.1	26.0	14.7	1423.4	0.7	1402.3	69.93
Aug 29, 10:00 AM	3.3	1173.8	34.8	4.8	1041.7	1691.8	31.7	14.7	1439.0	0.6	1439.0	69.71
Aug 29, 12:00 PM	3.4	1173.2	36.9	5.5	1088.5	1779.8	33.9	14.7	1446.9	0.6	1446.9	69.15
Aug 29, 1:00 PM	3.9	1309.7	36.9	6.1	1124.1	1837.9	33.9	14.7	1443.4	0.7	1443.4	69.16
Aug 29, 2:00 PM	4.0	1310.5	36.6	5.9	1147.4	1886.4	35.7	14.7	1441.0	0.7	1441.0	69.02
Aug 29, 3:00 PM	6.5	1271.2	47.7	6.1	1868.9	3054.3	34.4	14.7	1708.5	1.1	1708.5	72.30
Aug 29, 4:00 PM	3.3	970.9	50.5	8.7	1263.0	2035.6	30.0	14.7	1612.8	0.7	1612.8	72.44
Aug 29, 5:00 PM	4.2	1234.5	37.8	8.2	1255.9	2009.6	27.4	14.7	1465.9	0.7	1465.9	73.07
Aug 29, 6:00 PM	3.5	1148.1	33.2	6.5	1157.6	1839.0	25.3	14.7	1475.0	0.7	1475.0	73.57
Aug 29, 7:00 PM	2.6	943.4	32.6	5.2	1029.6	1624.5	23.0	14.7	1430.1	0.6	1430.1	73.39
Aug 29, 8:00 PM	2.2	939.0	30.1	3.5	882.0	1380.6	20.7	14.7	1409.3	0.5	1409.3	73.29
Aug 29, 9:00 PM	1.9	784.3	30.7	1.6	888.5	1381.9	18.8	14.7	1415.6	0.5	1415.6	72.80
Aug 29, 10:00 PM	1.6	679.5	28.9	1.5	878.0	1360.0	17.6	14.7	1412.2	0.5	1412.2	72.09
Aug 29, 11:00 PM	3.6	934.9	30.0	2.1	1347.0	2080.6	16.9	14.7	1421.0	0.7	1421.0	73.71

	Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Car (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Au	ıg 30, 12:00 AM	1.6	635.3	30.1	1.6	916.5	1411.7	16.3	14.7	1488.9	0.5	1488.9	72.75
A	ug 30, 1:00 AM	2.2	784.4	29.3	1.2	976.7	1502.4	15.8	14.7	1330.2	0.5	1330.2	72.49
A	ug 30, 2:00 AM	2.7	949.8	29.2	1.0	1035.7	1590.8	15.4	14.7	1271.6	0.6	1271.6	72.90
A	ug 30, 3:00 AM	3.0	919.8	27.8	1.3	1178.5	1808.7	15.1	14.7	1260.0	0.6	1260.0	73.76
A	ug 30, 4:00 AM	2.0	894.1	27.3	1.2	863.1	1324.6	15.0	14.7	1332.5	0.5	1332.5	73.36
A	ug 30, 5:00 AM	2.1	920.6	27.9	1.4	856.7	1314.3	14.8	14.7	1397.7	0.5	1397.7	72.96
A	ug 30, 6:00 AM	2.0	889.9	27.5	1.4	850.0	1303.5	14.6	14.7	1371.4	0.5	1371.4	72.69
A	ug 30, 7:00 AM	2.2	859.6	26.0	1.4	974.7	1496.1	14.8	14.7	797.4	0.5	1369.9	71.85
A	ug 30, 8:00 AM	3.7	1320.6	29.5	1.9	1112.3	1718.4	16.7	14.7	1367.1	0.6	1367.1	72.79
A	ug 30, 9:00 AM	3.6	1114.9	31.4	3.6	1193.5	1869.6	20.8	14.7	1362.5	0.7	1362.5	72.96
Au	ıg 30, 10:00 AM	3.1	1089.6	34.4	4.4	1055.3	1683.2	26.2	14.7	1381.0	0.6	1381.0	72.23
	ug 30, 11:00 AM	3.4	1170.3	39.1	6.7	1071.7	1739.0	31.6	14.7	1407.7	0.6	1407.7	72.34
	ug 30, 12:00 PM	3.4	1101.8	38.9	9.1	1135.4	1867.2	35.7	14.7	1415.2	0.7	1415.2	72.30
	ug 30, 1:00 PM	3.7	1203.7	37.2	12.2	1144.3	1885.2	36.3	14.7	1407.1	0.7	1407.1	72.10
	ug 30, 2:00 PM	4.1	1174.9	38.3	11.0	1282.1	2112.4	36.3	14.7	1402.7	0.8	1402.7	72.17
	ug 30, 3:00 PM	3.9	985.0	34.2	8.9	1488.5	2444.0	35.5	14.7	1360.0	0.9	1360.0	69.58
	ug 30, 4:00 PM	3.4	962.5	32.0	7.6	1326.8	2164.5	33.6		1314.4		1314.4	69.61
									14.7		0.8		
	ug 30, 5:00 PM	3.6	1104.6	35.7	7.3	1193.8	1936.2	31.7	14.7	1406.0	0.7	1406.0	69.02
	ug 30, 6:00 PM	3.0	1059.3	36.8	7.0	1068.9	1724.6	30.0	14.7	1414.2	0.6	1414.2	68.54
	ug 30, 7:00 PM	2.6	988.6	35.5	6.4	969.6	1553.4	27.9	14.7	1408.1	0.6	1408.1	68.49
	ug 30, 8:00 PM	2.2	884.7	33.4	5.9	913.0	1453.5	25.9	14.7	1400.3	0.5	1400.3	68.45
	ug 30, 9:00 PM	2.0	852.9	33.2	5.4	885.2	1404.6	24.8	14.7	1383.5	0.5	1383.5	68.62
Au	ıg 30, 10:00 PM	2.2	920.8	35.1	5.1	868.5	1377.1	24.6	14.7	1383.2	0.5	1383.2	69.17
	ıg 30, 11:00 PM	2.2	941.9	35.0	5.3	862.4	1367.5	24.7	14.7	1388.1	0.5	1388.1	67.71
Au	ıg 31, 12:00 AM	2.1	882.9	33.6	6.2	885.3	1402.7	24.5	14.7	1415.1	0.5	1415.1	68.25
A	ug 31, 1:00 AM	1.9	798.9	31.3	4.7	904.1	1425.1	22.5	14.7	1382.3	0.5	1382.3	68.04
A	ug 31, 2:00 AM	2.5	966.8	32.7	2.7	952.1	1500.0	21.5	14.6	1381.9	0.5	1381.9	67.78
A	ug 31, 3:00 AM	2.4	1022.1	31.9	4.0	879.2	1393.0	21.8	14.6	1394.5	0.5	1394.5	67.20
A	ug 31, 4:00 AM	2.2	1029.1	29.8	3.4	818.2	1296.4	22.2	14.6	1384.1	0.5	1384.1	67.39
	ug 31, 5:00 AM	2.2	981.3	32.2	1.8	832.5	1310.4	22.0	14.7	1398.8	0.5	1398.8	67.47
	ug 31, 6:00 AM	2.0	917.8	34.0	2.2	810.6	1274.8	22.4	14.7	1399.6	0.5	1399.6	67.46
	ug 31, 7:00 AM	2.2	847.9	32.9	2.5	976.3	1519.6	21.0	14.8	1385.0	0.5	1385.0	67.47
	ug 31, 8:00 AM	2.3	876.1	32.5	1.5	985.5	1535.2	20.6	14.8	1397.4	0.5	1397.4	66.08
		2.8	980.8	29.8	2.7	1074.1	1690.0	21.8		1403.2	0.6	1403.2	65.32
	ug 31, 9:00 AM								14.7				
	ıg 31, 10:00 AM	2.5	879.2	30.0	3.9	1075.1	1707.2	23.6	14.6	1363.5	0.6	1363.5	64.79
	ıg 31, 11:00 AM	2.7	915.4	30.3	6.6	1089.1	1731.9	25.3	14.7	1350.4	0.6	1350.4	64.11
	ıg 31, 12:00 PM	2.8	929.9	32.1	7.6	1097.8	1764.7	28.5	14.7	1350.4	0.6	1350.4	63.49
	ug 31, 1:00 PM	4.8	930.0	30.2	7.4	1866.0	3011.9	29.9	14.7	1418.2	1.1	1418.2	64.61
	ug 31, 2:00 PM	4.1	832.0	23.8	4.6	1818.4	2948.0	31.7	14.7	1497.0	1.1	1497.0	64.59
	ug 31, 3:00 PM	2.7	781.0	31.2	6.2	795.2	1284.8	30.9	14.7	1541.3	0.5	1541.3	63.31
A	ug 31, 4:00 PM	2.3	793.7	30.0	6.9	1091.0	1758.9	30.0	14.7	1518.5	0.6	1518.5	62.25
A	ug 31, 5:00 PM	2.7	1004.2	32.4	6.9	1003.7	1614.1	28.8	14.7	1406.6	0.6	1406.6	61.38
A	ug 31, 6:00 PM	2.6	995.9	34.4	4.9	979.2	1564.0	26.8	14.7	1405.6	0.6	1405.6	60.95
A	ug 31, 7:00 PM	2.6	1048.6	33.9	4.5	940.4	1496.4	25.7	14.7	1405.8	0.5	1405.8	61.01
A	ug 31, 8:00 PM	1.8	789.2	31.3	3.6	859.5	1360.8	24.3	14.7	1416.3	0.5	1416.3	60.66
A	ug 31, 9:00 PM	1.4	649.1	29.7	2.9	788.8	1244.1	23.2	14.7	1407.5	0.4	1407.5	60.03
Au	ıg 31, 10:00 PM	1.4	626.8	30.2	0.6	820.6	1290.9	22.4	14.7	1415.3	0.5	1415.3	59.27
	ıg 31, 11:00 PM	1.4	643.5	29.6	1.4	827.4	1298.6	21.7	14.7	1415.2	0.5	1415.2	58.52
	ep 1, 12:00 AM	1.5	658.5	28.1	1.6	845.8	1325.1	21.2	14.7	1429.6	0.5	1429.6	57.91
	Sep 1, 1:00 AM	2.0	815.9	27.8	1.9	939.5	1471.1	21.1	14.7	1477.8	0.5	1477.8	58.00
	Sep 1, 2:00 AM	1.9	858.4	27.9	1.7	833.3	1305.1	21.2	14.7	1459.5	0.5	1459.5	57.45
	Sep 1, 3:00 AM	2.0	894.4	29.1	1.2	820.8	1286.5	21.2	14.7	1418.8	0.5	1418.8	57.00
	Sep 1, 4:00 AM	2.0	933.0	28.9	1.6	811.3	1273.1	21.5	14.7	1390.7	0.5	1390.7	56.78
	Sep 1, 5:00 AM	1.9	895.2	28.8	2.3	793.4	1246.5	21.8	14.7	1384.9	0.4	1384.9	56.49
	Sep 1, 6:00 AM	1.7	8.808	28.5	2.5	791.6	1243.5	21.8	14.7	1367.0	0.4	1367.0	56.22
	Sep 1, 7:00 AM	2.1	862.2	28.4	2.9	922.2	1449.0	21.7	14.7	1344.2	0.5	1344.2	56.12
	Sep 1, 8:00 AM	3.3	1177.3	29.9	4.1	1058.2	1669.0	22.8	14.7	1356.0	0.6	1356.0	57.12
	Sep 1, 9:00 AM	3.2	994.7	30.1	4.8	1221.5	1938.4	24.9	14.7	1436.7	0.7	1436.7	57.55
	ep 1, 10:00 AM	3.5	1158.0	32.8	5.5	1117.5	1793.8	28.2	14.7	1396.4	0.6	1396.4	58.47
	ep 1, 11:00 AM	5.6	1567.5	33.8	6.4	1349.0	2183.4	30.9	14.7	1478.5	0.8	1478.5	61.41
	ep 1, 12:00 PM	8.3	2247.9	34.5	7.1	1416.7	2306.1	33.1	14.7	1604.0	0.8	1604.0	66.99
S	Sep 1, 1:00 PM	11.0	2904.2	36.4	7.5	1445.3	2336.8	31.1	14.7	1620.0	0.8	1620.0	73.12
S	Sep 1, 2:00 PM	13.1	3650.3	38.2	7.6	1376.7	2213.7	29.4	14.7	1630.9	0.8	1630.9	82.14
S	Sep 1, 3:00 PM	15.6	4978.1	42.6	8.6	1215.2	1956.4	29.6	14.7	1518.7	0.7	1518.7	95.04
	Sep 1, 4:00 PM	24.3	7710.3	52.2	11.2	1205.2	1940.9	29.3	14.7	1436.4	0.7	1436.4	117.07
	Sep 1, 5:00 PM	34.6	11649.0	63.4	14.7	1146.9	1833.6	27.1	14.7	1462.2	0.7	1462.2	148.91
	Sep 1, 6:00 PM	21.6	7785.6	50.6	9.7	1071.8	1699.7	24.7	14.7	1436.1	0.6	1436.1	167.88
	Sep 1, 7:00 PM	27.2	10834.7	58.4	12.4	991.7	1561.0	22.2	14.7	1399.3	0.6	1399.3	192.46
	Sep 1, 8:00 PM	29.6	12030.8	61.6	13.4	965.2	1504.8	19.5	14.7	1377.2	0.5	1377.2	220.24
	Sep 1, 9:00 PM	39.7	14619.2	74.2	15.7	1037.3	1605.5	17.7	14.7	1402.1	0.6	1402.1	258.56
	ep 1, 10:00 PM	27.8	10827.3	59.7	11.5	1022.1	1574.9	16.4	14.7	1456.0	0.6	1456.0	284.99
	ep 1, 11:00 PM	24.3	6701.4	49.7	6.3	1399.9	2144.5	15.4	14.7	1777.0	0.8	1777.0	307.85
	ep 2, 12:00 AM	20.7	6455.6	47.8	5.5	1235.9	1889.4	14.9	14.8	1806.1	0.7	1806.1	327.03
	Sep 2, 1:00 AM	298.9	25198.0	50.7	11.8	3328.5	5068.9	14.4	14.8	1797.7	1.8	1797.7	623.91
	Sep 2, 2:00 AM	289.2	26035.6	63.2	14.7	3922.3	5957.2	13.7	14.8	1951.9	2.1	1951.9	911.21
	Sep 2, 3:00 AM	45.4	10056.8	71.3	9.0	1716.3	2604.6	13.2	14.8	1905.6	0.9	1905.6	954.63
1 0	Sep 2, 4:00 AM	23.3	9008.9	67.1	7.2	993.8	1506.7	12.5	14.7	1789.5	0.5	1789.5	975.92
		40.0	01100	CO 4	0.0	1861.6	2816.9	11.8	14.7	1475.6	1.0	4.475.0	1016.84
S	Sep 2, 5:00 AM	42.8	9110.9	62.1	8.8							1475.6	
S	Sep 2, 5:00 AM Sep 2, 6:00 AM Sep 2, 7:00 AM	42.8 43.5 34.7	9110.9 6648.9 7155.6	44.8 42.2	7.7 6.0	2532.9 2445.1	3825.8 3693.3	11.2	14.7 14.7 14.7	1055.8 604.2	1.4	1055.8 1044.4	1058.65 1091.23



Cor	mponent	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	arbonyl Sulfide Ca (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Sep 2	2, 8:00 AM	52.2	6987.3	38.1	6.9	3123.5	4744.7	12.5	14.7	897.7	1.7	897.7	1140.11
Sep 2	2, 9:00 AM	44.7	6343.9	42.6	13.9	2969.1	4557.2	15.7	14.7	789.0	1.6	789.0	1181.55
	2, 10:00 AM	98.4	9184.2	42.7	15.5	4056.0	6301.9	19.1	14.7	811.7	2.2	811.7	1276.52
	2, 11:00 AM	45.8	4769.2	32.3	13.9	3759.5	5902.4	22.0	14.7	566.5	2.1	566.5	1316.65
	2, 12:00 PM	42.0	4782.0	29.3	12.7	3382.0	5353.6	24.4	14.7	525.5	1.9	525.5	1350.36
	2, 1:00 PM	42.9	4561.5	29.9	12.6	3713.7	5911.3	26.1	14.7	545.0	2.1	545.0	1382.24
	2, 2:00 PM	41.6	3720.8	25.7	11.2	4310.8	6904.3	28.2	14.7	808.1	2.5	808.1	1410.78
	2, 3:00 PM	32.8	3055.2	21.2	9.8	4133.1	6601.3	27.5	14.7	854.0	2.4	854.0	1428.02
	2, 4:00 PM	33.8	4519.6	27.8	12.7	3488.7	5558.7	26.7	14.7	520.5	2.0	520.5	1437.50
	2, 5:00 PM	79.4	10323.2	46.2	17.8	3648.3	5784.0	24.7	14.7	771.4	2.1	771.4	1482.32
	2, 6:00 PM	41.2	4461.5	25.9	10.4	3573.8	5632.9	22.9	14.7	757.9	2.0	757.9	1501.94
	2, 7:00 PM	42.2	4046.1	23.1	9.0	4037.6	6322.1	21.0	14.7	756.2	2.3	756.2	1516.93
	2, 8:00 PM	41.1	3371.1	18.7	7.4	4708.5	7307.4	18.4	14.7	708.0	2.6	708.0	1528.43
	2, 9:00 PM	48.9	3578.1	26.1	8.0	5251.2	8088.3	16.4	14.7	690.4	2.9	690.4	1537.59
	2, 10:00 PM	53.6	3989.7	33.0	8.6	5170.1	7918.9	14.9	14.7	742.8	2.8	742.8	1563.35
	2, 11:00 PM	50.2	3815.8	30.8	8.0	5065.9	7731.3	13.8	14.7	738.7	2.8	738.7	1589.28
	3, 12:00 AM	61.9	4479.7	27.3	7.9	5327.1	8095.5	12.7	14.7	765.5	2.9	765.5	1630.45
	3, 1:00 AM	43.4	3337.0	16.1	5.7	5030.1	7626.8	11.8	14.7	668.2	2.7	668.2	1374.92
	3, 2:00 AM	35.9	4009.9	19.1	5.6	3750.9	5678.8	11.2	14.7	885.0	2.0	885.0	1121.59
	3, 3:00 AM	29.8	5449.8	25.4	5.9	2115.4	3196.7	10.2	14.7	1279.8	1.1	1279.8	1106.01
	3, 4:00 AM	22.7	4809.1	24.1	5.3	1811.0	2730.2	9.5	14.7	1275.2	1.0	1275.2	1105.41
	3, 5:00 AM	30.5	7149.4	31.9	8.0	1668.5	2510.5	9.0	14.7	1315.6	0.9	1315.6	1093.05
	3, 6:00 AM	24.7	5683.7	27.6	6.4	1681.4	2526.9	8.7	14.7	1324.6	0.9	1324.6	1074.24
	3, 7:00 AM	25.6	5864.4	26.8	6.9	1691.1	2540.7	8.5	14.7	1317.6	0.9	1317.6	1065.19
	3, 8:00 AM	30.9	6055.9	28.6	7.6	1974.9	2986.8	10.3	14.7	1319.8	1.1	1319.8	1043.93
	3, 9:00 AM	33.1	6351.9	32.2	9.2	2016.7	3094.7	14.5	14.7	1318.3	1.1	1318.3	1032.39
	3, 10:00 AM	30.0	6211.8	35.4	11.5	1867.2	2928.5	20.9	14.7	1316.8	1.0	1316.8	964.01
	3, 11:00 AM	30.8	6432.5	36.3	12.4	1846.2	2953.2	26.8	14.7	1317.6	1.1	1317.6	949.00
	3, 12:00 PM	30.7	6531.5	36.8	12.5	1814.5	2945.1	31.3	14.7	1321.0	1.1	1321.0	937.67
	3, 1:00 PM	31.5	6434.1	36.8	13.0	1886.5	3070.8	32.2	14.7	1312.8	1.1	1312.8	926.26
	3, 2:00 PM	30.9	6528.6	36.5	14.3	1825.3	2973.4	32.5	14.7	1313.9	1.1	1313.9	915.53
	3, 3:00 PM	37.6	5426.6	38.1	14.9	2846.4	4591.5	30.3	14.7	1438.9	1.6	1438.9	920.35
	3, 4:00 PM	33.8	5092.7	32.8	13.1	2594.9	4158.0	28.2	14.7	1571.3	1.5	1571.3	920.35
	3, 5:00 PM	31.7	5729.2	32.4	12.9	2150.4	3440.2	27.4	14.7	1491.9	1.2	1491.9	872.64
	3, 6:00 PM	30.5	5459.8	32.9	11.4	2167.6	3449.9	26.1	14.7	1569.5	1.2	1569.5	861.91
	3, 7:00 PM	43.1	9325.2	41.1	12.1	1861.8	2933.1	23.4	14.7	1518.7	1.0	1518.7	862.82
	3, 8:00 PM	22.8	8844.2	41.7	11.2	986.3	1538.5	20.3	14.7	1461.9	0.5	1461.9	844.50
	3, 9:00 PM	18.4	7804.9	43.0	11.6	910.0	1409.9	18.2	14.7	1410.4	0.5	1410.4	814.01
	3, 10:00 PM	19.4	8391.4	48.2	12.9	893.2	1377.1	16.6	14.7	1368.5	0.5	1368.5	779.84
	3, 11:00 PM	26.3	8835.9	52.0	14.2	1142.3	1752.6	15.3	14.7	1380.2	0.6	1380.2	755.89
	1, 12:00 AM	32.9	7984.2	55.6 50.2	14.7	1647.8	2514.4 4067.1	14.3 14.2	14.7	1536.9 1361.2	0.9	1536.9	726.90 720.16
	4, 1:00 AM	36.6	6040.7		16.7 57.0	2668.0			14.8	1479.0	1.5 2.5	1361.2	752.17
	4, 2:00 AM	67.9	6514.5	114.5 89.4		4029.1	7007.1	45.2	14.7			1479.0	
	4, 3:00 AM	40.2	8947.1		51.4	1775.8	3111.3	55.2	14.7	1399.9	1.1	1399.9	762.58
	4, 4:00 AM 4, 5:00 AM	32.1 24.3	5371.97 I 8635.6	53.44 I 59.0	40.76 I 33.3	4346.8 1076.5	7141.3 1709.5	37.2 25.6	14.8 14.7	1925.1 1413.1	2.5 0.6	1925.1 1413.1	771.99 765.87
	4, 6:00 AM	25.9	9168.2	55.8	25.4	1076.3	1685.2	18.2	14.7	1311.2	0.6	1311.2	767.04
	4, 7:00 AM	33.0	10014.5	58.7	22.9	1252.9	1920.8	15.0	14.7	1254.8	0.7	1255.5	774.41
	4, 8:00 AM	35.7	4575.8	44.6	24.6	4880.6	8017.4	32.6	14.8	1788.9	2.9	1788.9	779.17
	4, 9:00 AM	75.0	5876.0	59.8	33.4	4865.2	8617.1	60.3	14.7	1714.2	3.1	1714.2	820.99
	4, 9.00 AM	81.5	7077.3	67.6	36.7	4379.2	7904.7	66.2	14.7	1473.0	2.8	1473.0	872.45
	1, 11:00 AM	81.3	4200.5	61.4	32.5	9109.5	17073.3	77.8	14.7	1690.4	6.1	1690.4	923.02
	1, 12:00 PM	200.1	3290.3	67.7	53.4	21984.6	42713.5	93.7	14.8	1658.0	15.2	1658.0	1092.37
	4, 1:00 PM	203.2	6210.9	71.6	53.8	12443.1	24078.0	89.1	14.7	1131.2	8.6	1131.2	1264.08
	4, 1:00 PM	117.1	4586.2	51.1	46.9	9683.7	18286.2	81.9	14.7	1379.1	6.5	1379.1	1350.31
	4, 2:00 PM	96.1	5209.2	79.6	69.3	6610.1	12541.8	83.0	14.7	1157.1	4.5	1157.1	1408.81
	4, 4:00 PM	19.7	1652.8	51.1	52.7	4563.3	8334.0	70.7	14.8	407.6	3.0	407.6	1394.70
	4, 5:00 PM	31.1	868.8	437.2	522.6	5123.9	9209.8	66.3	14.8	653.4	3.3	653.4	1394.15
	4, 6:00 PM	48.1	1136.0	911.6	1164.2	4293.2	7937.9	74.8	14.7	700.0	2.8	700.0	1411.74
	4, 7:00 PM	87.0	1418.6	1922.7	2272.0	4352.1	7805.6	65.4	14.8	1261.5	2.8	1261.5	1455.63
	4, 8:00 PM	102.1	1032.5	1643.4	1876.3	6054.5	10495.0	54.5	14.8	973.3	3.7	973.3	1534.97
	4, 9:00 PM	123.5	601.6	2936.5	3235.5	4842.3	8384.0	54.1	14.8	1627.1	3.0	1627.1	1640.13
	1, 10:00 PM	126.1	613.0	3868.1	4100.6	3900.9	6771.2	54.1	14.8	2059.4	2.4	2059.4	1746.79
	1, 11:00 PM	76.5	681.0	4355.1	4589.4	2098.8	3509.1	40.7	14.8	2271.0	1.3	2271.0	1796.97
	5, 12:00 AM	75.2	646.4	4447.8	4704.1	2017.1	3326.3	34.5	14.7	2298.0	1.2	2298.0	1839.33
	5, 1:00 AM	153.1	640.3	4558.2	4806.9	4029.0	7268.3	66.0	14.7	2318.8	2.6	2318.8	1955.79
	5, 2:00 AM	103.7	651.6	4698.6	4834.0	2692.3	4658.2	51.7	14.7	2315.8	1.7	2315.8	1991.60
	5, 3:00 AM	125.1	677.6	4770.2	4795.9	3243.0	5217.4	32.0	14.8	2284.7	1.9	2284.7	2076.52
	5, 4:00 AM	94.6	704.0	4736.6	4692.9	2485.6	3947.6	26.3	14.8	2239.0	1.4	2239.0	2138.97
	5, 5:00 AM	122.4	720.9	4656.5	4545.8	3297.0	5686.3	51.5	14.7	2158.8	2.0	2158.8	2237.05
	5, 6:00 AM	57.4	1653.1	1812.7	1640.3	3381.1	5966.6	58.6	14.7	813.6	2.1	813.6	2268.52
	5, 7:00 AM	85.7	3056.3	2053.6	1963.0	3714.9	6641.4	62.9	14.7	954.1	2.4	954.1	2321.20
	5, 8:00 AM	108.4	2736.4	3016.4	2849.2	3696.2	6498.2	57.5	14.7	1378.6	2.3	1378.6	2393.88
	5, 9:00 AM	51.0	2086.8	2145.3	1921.3	2454.1	4236.0	51.5	14.7	911.9	1.5	911.9	2369.90
			1931.9	2232.3	2015.7	2499.1	4319.1	52.2	14.7	977.8	1.5	977.8	2340.62
Sep 5	5, 10:00 AM	52.2											
	5, 10:00 AM 5, 11:00 AM	76.7	458.3	5781.6	5176.6	1801.6	3022.9	42.3	14.7	2639.9	1.1	2639.9	2336.00
Sep 5						1801.6 1822.2	3022.9 2978.3	42.3 34.5	14.7 14.7	2639.9 2638.0	1.1 1.1	2639.9 2638.0	2336.00 2213.36
Sep 5 Sep 5	5, 11:00 AM	76.7	458.3	5781.6	5176.6								
Sep 5 Sep 5 Sep 5	5, 11:00 AM 5, 12:00 PM	76.7 77.4	458.3 458.0	5781.6 5901.8	5176.6 5098.5	1822.2	2978.3	34.5	14.7	2638.0	1.1	2638.0	2213.36



Component	SO2 Mass Rate		arbonyl Sulfide Ca		NFlow	Flare Velocity	Flare	Flare Pressure	Net Heating	Flare Tip	South NHVcz	
	(Kg/hr)	Sulfide (PPM/hr)	(PPM/hr)	(PPM/hr)	(Nm3/hr)	(m/hr)	Temperature (deg. C)	(PSIA)	Value (BTU/scf)	Velocity (m/s)	(BTU/scf)	(Kg/day)
Sep 5, 4:00 PM	109.4	424.4	6011.2	4936.8	2816.3	4749.6	44.7	14.8	2604.8	1.7	2604.8	2193.37
Sep 5, 5:00 PM	84.9	409.7	6125.9	5003.5	2022.5	3404.3	43.7	14.7	2652.7	1.2	2652.7	2247.14
Sep 5, 6:00 PM	84.3	425.9	6165.7	5026.8	1974.1	3313.6	42.8	14.7	2673.4	1.2	2673.4	2283.35
Sep 5, 7:00 PM	76.5	429.3	6188.8	4976.6	1800.3	3030.0	43.4	14.7	2616.4	1.1	2616.4	2272.89
Sep 5, 8:00 PM	71.7	442.9	6303.8	4966.3	1675.8	2715.6	32.5	14.7	2568.7	1.0	2568.7	2242.46
Sep 5, 9:00 PM	165.4	442.4	6330.9	4965.2	3860.6	6560.1	46.4	14.8	2564.4	2.3	2564.4	2284.32
Sep 5, 10:00 PM	107.4	447.6	6329.9	4958.4	2506.6	4227.6	42.0	14.8	2556.0	1.5	2556.0	2265.60
Sep 5, 11:00 PM	93.9	448.4	6322.4	4936.9	2198.3	3539.3	30.4	14.8	2544.2	1.3	2544.2	2283.01
Sep 6, 12:00 AM	157.5	438.8	6326.3	4922.5	3697.6	6039.2	35.5	14.8	2547.7	2.2	2547.7	2365.30
Sep 6, 1:00 AM	172.1	455.7	6377.8	4920.6	4017.9	6548.4	35.0	14.8	2543.0	2.3	2543.0	2384.30
Sep 6, 2:00 AM	49.5	456.2	6415.6	4930.8	1153.1	1852.2	29.3	14.7	2542.3	0.7	2542.3	2330.05
Sep 6, 3:00 AM	108.0	423.6	6375.4	4865.8	2544.7	4058.1	28.0	14.8	2522.7	1.4	2522.7	2312.91
Sep 6, 4:00 AM	170.0	421.2	6439.3	4886.9	3981.0	6347.4	28.4	14.8	2527.8	2.3	2527.8	2388.38
Sep 6, 5:00 AM	42.9	430.4	6450.5	4873.5	1004.7	1587.3	24.0	14.7	2527.6	0.6	2527.6	2308.89
Sep 6, 6:00 AM	42.4	439.9	6447.8	4847.5	996.8	1565.1	21.9	14.7	2517.2	0.6	2517.2	2293.97
Sep 6, 7:00 AM	45.3	420.55 F	6481.92 F	4852.41 F	2624.2	4154.5	24.3	14.7	2506.7	1.5	2507.5	2253.63
Sep 6, 8:00 AM	104.9	422.37 F	6548.78 F	4807.27 F	2460.9	3921.7	27.4	14.8	2525.3	1.4	2525.3	2250.14
Sep 6, 9:00 AM	136.8	413.50 F	6505.29 F	4799.64 F	3233.0	5229.5	31.7	14.7	2499.2	1.9	2499.2	2336.01
Sep 6, 10:00 AM	97.6	418.47 F	6527.55 F	4764.87 F	2307.5	3657.6	25.3	14.7	2481.1	1.3	2481.1	2381.36
Sep 6, 11:00 AM	85.2	408.53 F	6513.53 F	4735.90 F	2024.4	3176.6	20.5	14.7	2466.7	1.1	2466.7	2389.85
Sep 6, 12:00 PM	115.6	410.49 F	6554.48 F	4754.25 F	2733.3	4428.6	27.4	14.5	2481.9	1.6	2481.9	2428.00
Sep 6, 1:00 PM	99.1	436.71 F	6540.41 F	4680.65 F	2358.4	3847.8	32.1	14.7	2442.1	1.4	2442.1	2436.35
Sep 6, 2:00 PM	107.7	429.10 F	6679.46 F	4735.31 F	2530.6	4013.8	25.4	14.7	2479.8	1.4	2479.8	2445.48
Sep 6, 3:00 PM	151.2	436.16 F	6579.89 F	4641.11 F	3616.7	5980.3	37.4	14.7	2427.8	2.1	2427.8	2479.32
Sep 6, 4:00 PM	128.1	432.97 F	6595.36 F	4650.71 F	3062.0	5117.1	40.7	14.7	2444.5	1.8	2444.5	2498.02
Sep 6, 5:00 PM	112.2	423.57 F	6796.71 F	4740.60 F	2615.9	4217.6	30.3	14.7	2492.6	1.5	2492.6	2525.36
Sep 6, 6:00 PM	89.5	401.90 F	6694.92 F	4632.55 F	2131.3	3365.8	23.8	14.7	2443.0	1.2	2443.0	2530.58
Sep 6, 7:00 PM	121.2	416.97 F	6819.97 F	4669.21 F	2848.4	4462.8	22.0	14.7	2464.3	1.6	2464.3	2575.26
Sep 6, 8:00 PM	104.9	430.72 F	6806.72 F	4601.54 F	2487.1	3906.3	22.4	14.7	2436.0	1.4	2436.0	2608.44
Sep 6, 9:00 PM	100.0	402.89 F	6828.75 F	4599.87 F	2371.0	3714.6	21.5	14.7	2439.1	1.3	2439.1	2543.03
Sep 6, 10:00 PM	91.8	426.48 F	6837.28 F	4594.45 F	2174.7	3366.0	17.9	14.7	2435.0	1.2	2435.0	2527.48
Sep 6, 11:00 PM	100.9	437.44 F	6896.63 F	4603.17 F	2378.4	3652.4	15.8	14.7	2437.6	1.3	2437.6	2534.55
Sep 7, 12:00 AM	104.0	409.44 F	6876.85 F	4568.20 F	2467.5	3775.0	14.9	14.7	2433.7	1.3	2433.7	2481.03
Sep 7, 1:00 AM	113.2	414.49 F	6865.51 F	4565.32 F	2688.3	4102.9	14.5	14.8	2439.4	1.5	2439.4	2422.10
Sep 7, 2:00 AM	115.9	411.98 F	6949.02 F	4584.16 F	2732.2	4165.0	14.2	14.8	2441.1	1.5	2441.1	2488.49
Sep 7, 3:00 AM	135.2	430.08 F	6913.21 F	4528.62 F	3209.3	4900.1	14.9	14.8	2415.5	1.7	2415.5	2515.67
Sep 7, 4:00 AM	172.9	425.45 F	7003.62 F	4551.28 F	4074.6	6305.5	18.9	14.8	2430.6	2.3	2430.6	2518.49
Sep 7, 5:00 AM	177.3	421.85 F	6968.03 F	4513.11 F	4209.8	6654.7	25.2	14.8	2412.3	2.4	2412.3	2652.92
Sep 7, 6:00 AM	181.1	430.60 F	6993.16 F	4515.68 F	4288.1	6838.4	27.9	14.8	2410.1	2.4	2410.1	2791.54
Sep 7, 7:00 AM	173.8	437.02 F	7017.56 F	4492.57 F	4119.6	6633.1	30.7	14.8	2405.7	2.4	2405.7	2919.98
Sep 7, 8:00 AM	108.1	415.21 F	7043.60 F	4502.81 F	2558.0	4049.1	25.2	14.8	2416.0	1.4	2416.0	2923.15
Sep 7, 9:00 AM	91.6	439.36 F	7049.24 F	4496.23 F	2166.6	3362.8	19.7	14.8	2417.8	1.2	2417.8	2877.92
Sep 7, 10:00 AM	131.7	418.43 F	7085.14 F	4463.21 F	3129.7	4851.7	19.6	14.8	2415.3	1.7	2415.3	2912.07
Sep 7, 11:00 AM	161.9	416.24 F	7142.80 F	4478.07 F	3818.0	6082.9	27.7	14.8	2422.4	2.2	2422.4	2988.80
Sep 7, 12:00 PM	246.5	413.26 F	7137.85 F	4441.99 F	5843.7	9642.7	39.5	14.8	2417.8	3.4	2417.8	3119.70
Sep 7, 1:00 PM	260.4	407.38 F	7266.74 F	4498.32 F	6086.1	10037.9	39.4	14.8	2481.1	3.6	2481.1	3280.98
Sep 7, 2:00 PM	246.6	409.78 F	7200.66 F	4495.69 F	5785.8	9457.3	36.5	14.8	2513.3	3.4	2513.3	3419.79
Sep 7, 3:00 PM	215.5	405.91 F	7221.39 F	4493.60 F	5052.6	8154.4	32.7	14.8	2520.1	2.9	2520.1	3484.05
Sep 7, 4:00 PM	227.5	420.92 F	7214.85 F	4471.42 F	5352.4	8569.8	30.0	14.8	2506.1	3.1	2506.1	3583.47
Sep 7, 5:00 PM	SM	SM	SM	SM	4188.3	6665.8	28.0	14.8	SM	2.4	SM	3471.23
Sep 7, 6:00 PM	SM	SM	SM	SM	3586.9	5704.1	27.5	14.8	SM	2.0	SM	3381.74
Sep 7, 7:00 PM	SM	SM	SM	SM	4163.4	6527.4	23.6	14.8	SM	2.3	SM	3260.51
Sep 7, 8:00 PM	SM	SM	SM	SM	1189.3	1839.6	17.6	14.7	SM	0.7	SM	3155.62
Sep 7, 9:00 PM	SM	SM	SM	SM	3573.0	5442.7	14.6	14.8	SM	1.9	SM	3055.63
Sep 7, 10:00 PM	SM	SM	SM	SM	3735.6	5740.4	17.5	14.8	SM	2.0	SM	2963.82
Sep 7, 11:00 PM	SM	SM	SM	SM	2052.0	3134.6	15.2	14.8	SM	1.1	SM	2862.89
Sep 8, 12:00 AM	SM	SM	SM	SM	1868.1	2825.4	12.2	14.8	SM	1.0	SM	2758.90
Sep 8, 1:00 AM	SM	SM	SM	SM	1808.5	2724.3	11.1	14.8	SM	1.0	SM	2645.72
Sep 8, 2:00 AM	SM	SM	SM	SM	1797.0	2707.5	11.3	14.8	SM	1.0	SM	2529.87
Sep 8, 3:00 AM	SM	SM	SM	SM	1691.6	2552.0	11.7	14.8	SM	0.9	SM	2394.72
Sep 8, 4:00 AM	SM	SM	SM	SM	1742.4	2622.3	10.9	14.8	SM	0.9	SM	2221.87
Sep 8, 5:00 AM	SM	SM	SM	SM	1817.0	2726.2	10.0	14.8	SM	1.0	SM	2044.53
Sep 8, 6:00 AM	SM	SM	SM	SM	1803.6	2700.2	9.4	14.8	SM	1.0	SM	1863.46
Sep 8, 7:00 AM	SM	SM	SM	SM	1601.0	2400.4	9.6	14.8	SM	0.9	SM	1689.68
Sep 8, 8:00 AM	SM	SM	SM	SM	1761.5	2656.9	10.9	14.7	SM	0.9	SM	1581.61
Sep 8, 9:00 AM	SM	SM	SM	SM	1738.2	2647.7	13.7	14.7	SM	0.9	SM	1490.00
Sep 8, 10:00 AM	SM	SM	SM	SM	1807.9	2786.5	17.2	14.7	SM	1.0	SM	1358.27
Sep 8, 11:00 AM	SM	SM	SM	SM	1733.6	2710.3	21.2	14.7	SM	1.0	SM	1196.36
Sep 8, 12:00 PM	SM	SM	SM	SM	1759.5	2765.9	23.2	14.8	SM	1.0	SM	949.89
Sep 8, 1:00 PM	SM	SM	SM	SM	1797.9	2830.2	23.4	14.8	SM	1.0	SM	689.52
Sep 8, 2:00 PM	SM	SM	SM	SM	2094.8	3310.7	24.8	14.8	SM	1.2	SM	442.97
Sep 8, 3:00 PM	SM	SM	SM	SM	2410.7	3828.0	26.6	14.8	SM	1.4	SM	227.47
Sep 8, 4:00 PM	SM	SM	SM	SM	2408.6	3822.1	26.4	14.8	SM	1.4	SM	0.00
Sep 8, 5:00 PM	SM	SM	SM	SM	2706.9	4337.4	29.2	14.8	SM	1.5	SM	0.00
Sep 8, 6:00 PM	SM	SM	SM	SM	2359.5	3770.3	28.2	14.8	SM	1.3	SM	0.00
Sep 8, 7:00 PM	SM	SM	SM	SM	2451.2	3854.8	23.4	14.8	SM	1.4	SM	0.00
Sep 8, 8:00 PM	SM	SM	SM	SM	1828.3	2838.5	19.4	14.8	SM	1.0	SM	0.00
Sep 8, 9:00 PM	SM	SM	SM	SM	1894.7	2932.0	18.4	14.8	SM	1.0	SM	0.00
Sep 8, 10:00 PM	SM	SM	SM	SM	1940.6	3016.2	19.6	14.7	SM	1.1	SM	0.00
Sep 8, 11:00 PM	SM	SM	SM	SM	2428.2	3849.6	25.1	14.8	SM	1.4	SM	0.00
Sep 9, 12:00 AM	SM	SM	SM	SM	2405.1	3924.6	34.2	14.7	SM	1.4	SM	0.00

Component	SO2 Mass Rate (Kg/hr)	Sulfide (PPM/hr)	arbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	(BTU/scf)	SO2 Mass Rate (Kg/day)
Sep 9, 1:00 AM	SM	SM	SM	SM	2323.1	3737.7	30.0	14.8	SM	1.3	SM	0.00
Sep 9, 2:00 AM	SM	SM	SM	SM	1896.0	2974.9	22.4	14.7	SM	1.1	SM	0.00
Sep 9, 3:00 AM	SM	SM	SM	SM	1920.7	2966.7	18.0	14.8	SM	1.1	SM	0.00
Sep 9, 4:00 AM	SM	SM	SM	SM	1932.5	2973.0	16.9	14.8	SM	1.1	SM	0.00
Sep 9, 5:00 AM	SM	SM	SM	SM	1626.4	2496.5	16.1	14.8	SM	0.9	SM	0.00
Sep 9, 6:00 AM	SM	SM	SM	SM	1647.7	2522.9	15.4	14.8	SM	0.9	SM	0.00
Sep 9, 7:00 AM	SM	SM	SM	SM	1643.2	2523.8	16.3	14.8	SM	0.9	SM	0.00
Sep 9, 8:00 AM	SM	SM	SM	SM	1826.2	2817.7	17.6	14.8	SM	1.0	SM	0.00
Sep 9, 9:00 AM	SM	SM	SM	SM	1813.1	2808.0	18.9	14.8	SM	1.0	SM	0.00
Sep 9, 10:00 AM	SM	SM	SM	SM	1859.6	2904.0	21.4	14.8	SM	1.0	SM	0.00
Sep 9, 11:00 AM	SM	SM	SM	SM	1698.1	2676.6	23.9	14.8	SM	1.0	SM	0.00
Sep 9, 12:00 PM	SM	SM	SM	SM	1820.9	2883.1	25.1	14.7	SM	1.0	SM	0.00
Sep 9, 1:00 PM	SM	SM	SM	SM	1751.3	2783.6	26.3	14.8	SM	1.0	SM	0.00
Sep 9, 2:00 PM	SM	SM	SM	SM	1816.9	2871.0	24.6	14.8	SM	1.0	SM	0.00
Sep 9, 3:00 PM	SM	SM	SM	SM	2194.3	3456.4	23.7	14.8	SM	1.2	SM	0.00
Sep 9, 4:00 PM	SM	SM	SM	SM	1758.0	2779.0	24.5	14.7	SM	1.0	SM	0.00
Sep 9, 5:00 PM	SM	SM	SM	SM	1965.6	3108.9	24.8	14.7	SM	1.1	SM	0.00
Sep 9, 6:00 PM	SM	SM	SM	SM	1872.5	2955.3	24.2	14.8	SM	1.1	SM	0.00
Sep 9, 7:00 PM	SM	SM	SM	SM	1872.2	2939.7	22.7	14.7	SM	1.0	SM	0.00
Sep 9, 8:00 PM	SM	SM	SM	SM	1962.4	3058.9	20.5	14.8	SM	1.1	SM	0.00
Sep 9, 9:00 PM	SM	SM	SM	SM	1772.5	2745.4	18.5	14.7	SM	1.0	SM	0.00
Sep 9, 10:00 PM	SM	SM	SM	SM	1799.8	2774.2	17.1	14.7	SM	1.0	SM	0.00
Sep 9, 11:00 PM	SM	SM	SM	SM	1939.5	2977.4	15.9	14.7	SM	1.1	SM	0.00
Sep 10, 12:00 AM	SM	SM	SM	SM	1734.1	2654.0	15.1	14.7	SM	0.9	SM	0.00
Sep 10, 1:00 AM	SM	SM	SM	SM	1784.1	2723.0	14.4	14.8	SM	1.0	SM	0.00
Sep 10, 1:00 AM	SM	SM	SM	SM	1644.0	2504.3	13.8	14.7	SM	0.9	SM	0.00
Sep 10, 2:00 AM	SM	SM	SM	SM	1633.8	2483.1	13.2	14.7	SM	0.9	SM	0.00
Sep 10, 3:00 AM Sep 10, 4:00 AM	SM	SM	SM	SM	1713.5	2599.9	12.7	14.7	SM	0.9	SM	0.00
· · · · · · · · · · · · · · · · · · ·	SM	SM	SM	SM								0.00
Sep 10, 5:00 AM Sep 10, 6:00 AM	SM	SM	SM	SM	1705.3 1709.2	2583.1 2584.4	12.2 11.7	14.7 14.7	SM SM	0.9	SM SM	0.00
Sep 10, 7:00 AM	SM	SM	SM	SM	1801.7	2722.0	11.4	14.7	SM	1.0	SM	0.00
Sep 10, 8:00 AM	SM	SM	SM	SM	1886.9	2859.6	12.2	14.7	SM	1.0	SM	0.00
Sep 10, 9:00 AM	SM	SM	SM	SM	1955.8	3000.2	15.7	14.7	SM	1.1	SM	0.00
Sep 10, 10:00 AM	SM	SM	SM	SM	1830.6	2866.3	21.8	14.7	SM	1.0	SM	0.00
Sep 10, 11:00 AM	SM	SM	SM	SM	1949.8	3120.5	28.3	14.7	SM	1.1	SM	0.00
Sep 10, 12:00 PM	SM	SM	SM	SM	1943.6	3133.2	30.6	14.8	SM	1.1	SM	0.00
Sep 10, 1:00 PM	SM	SM	SM	SM	2561.6	4119.1	30.7	14.8	SM	1.5	SM	0.00
Sep 10, 2:00 PM	SM	SM	SM	SM	2835.9	4537.4	29.5	14.8	SM	1.6	SM	0.00
Sep 10, 3:00 PM	SM	SM	SM	SM	1980.8	3163.9	28.2	14.8	SM	1.1	SM	0.00
Sep 10, 4:00 PM	SM	SM	SM	SM	1426.1	2273.1	26.4	14.7	SM	0.8	SM	0.00
Sep 10, 5:00 PM	SM	SM	SM	SM	1306.6	2071.1	24.4	14.7	SM	0.7	SM	0.00
Sep 10, 6:00 PM	SM	SM	SM	SM	1355.0	2136.0	22.7	14.7	SM	0.8	SM	0.00
Sep 10, 7:00 PM	SM	SM	SM	SM	1260.5	1972.5	20.9	14.7	SM	0.7	SM	0.00
Sep 10, 8:00 PM	SM	SM	SM	SM	1080.3	1681.7	18.9	14.7	SM	0.6	SM	0.00
Sep 10, 9:00 PM	SM	SM	SM	SM	1092.5	1694.9	17.8	14.7	SM	0.6	SM	0.00
Sep 10, 10:00 PM	SM	SM	SM	SM	1069.5	1656.6	17.2	14.7	SM	0.6	SM	0.00
Sep 10, 11:00 PM	SM	SM	SM	SM	1081.1	1670.4	16.5	14.7	SM	0.6	SM	0.00
Sep 11, 12:00 AM	SM	SM	SM	SM	1012.5	1557.3	15.3	14.7	SM	0.6	SM	0.00
Sep 11, 1:00 AM	SM	SM	SM	SM	1038.8	1591.5	14.4	14.7	SM	0.6	SM	0.00
Sep 11, 2:00 AM	SM	SM	SM	SM	1070.8	1637.2	13.7	14.7	SM	0.6	SM	0.00
Sep 11, 3:00 AM	SM	SM	SM	SM	1044.2	1594.3	13.3	14.7	SM	0.6	SM	0.00
Sep 11, 4:00 AM	SM	SM	SM	SM	1142.6	1742.8	12.9	14.7	SM	0.6	SM	0.00
Sep 11, 5:00 AM	SM	SM	SM	SM	1117.8	1703.0	12.5	14.7	SM	0.6	SM	0.00
Sep 11, 6:00 AM	SM	SM	SM	SM	1148.0	1746.4	12.1	14.7	SM	0.6	SM	0.00
Sep 11, 7:00 AM	SM	SM	SM	SM	1195.3	1817.9	12.0	14.7	SM	0.6	SM	0.00
Sep 11, 8:00 AM	SM	SM	SM	SM	1314.7	2010.4	13.4	14.7	SM	0.7	SM	0.00
Sep 11, 9:00 AM	SM	SM	SM	SM	1220.1	1891.2	17.4	14.7	SM	0.7	SM	0.00
Sep 11, 10:00 AM	SM	SM	SM	SM	1104.0	1746.7	23.7	14.7	SM	0.6	SM	0.00
Sep 11, 11:00 AM	SM	SM	SM	SM	1069.8	1722.2	29.0	14.7	SM	0.6	SM	0.00
Sep 11, 12:00 PM	SM	SM	SM	SM	1092.5	1782.5	33.0	14.7	SM	0.6	SM	0.00
Sep 11, 1:00 PM	SM	SM	SM	SM	1091.4	1792.1	34.9	14.7	SM	0.6	SM	0.00
Sep 11, 1:00 PM	SM	SM	SM	SM	1167.7	1913.2	34.4	14.7	SM	0.7	SM	0.00
Sep 11, 3:00 PM	SM	SM	SM	SM	1205.5	1966.4	33.0	14.7	SM	0.7	SM	0.00
Sep 11, 4:00 PM	SM	SM	SM	SM	1227.9	1981.4	29.7	14.7	SM	0.7	SM	0.00
Sep 11, 4:00 PM	SM	SM	SM	SM	1205.4	1930.5	27.3	14.7	SM	0.7	SM	0.00
Sep 11, 6:00 PM	SM	SM	SM	SM	1108.0	1768.8	26.2	14.7	SM	0.7	SM	0.00
Sep 11, 0:00 PM	SM	SM	SM	SM	1062.1	1684.3	24.2	14.7	SM	0.6	SM	0.00
Sep 11, 7:00 PM	SM	SM	SM	SM	973.9	1528.5	21.2	14.7	SM	0.5	SM	0.00
	SM	SM	SM								SM	0.00
Sep 11, 9:00 PM				SM	978.9	1526.8	19.3	14.7	SM	0.5		
Sep 11, 10:00 PM	SM	SM	SM	SM	994.9	1544.6	17.9	14.7	SM	0.6	SM	0.00
Sep 11, 11:00 PM	SM	SM	SM	SM	1156.1	1788.0	16.8	14.7	SM	0.6	SM	0.00
Sep 12, 12:00 AM	SM	SM	SM	SM	1006.3	1551.2	15.9	14.7	SM	0.6	SM	0.00
Sep 12, 1:00 AM	SM	SM	SM	SM	945.0	1453.7	15.4	14.7	SM	0.5	SM	0.00
Sep 12, 2:00 AM	SM	SM	SM	SM	969.3	1489.2	14.9	14.7	SM	0.5	SM	0.00
Sep 12, 3:00 AM	SM	SM	SM	SM	989.0	1517.9	14.6	14.7	SM	0.5	SM	0.00
Sep 12, 4:00 AM	SM	SM	SM	SM	969.0	1484.5	14.1	14.7	SM	0.5	SM	0.00
Sep 12, 5:00 AM	SM	SM	SM	SM	986.0	1510.7	14.0	14.7	SM	0.5	SM	0.00
Sep 12, 6:00 AM	SM	SM	SM	SM	974.7	1495.3	14.4	14.7	SM	0.5	SM	0.00
Sep 12, 7:00 AM	SM	SM	SM	SM	995.9	1527.0	14.3	14.7	SM	0.5	SM	0.00
Sep 12, 8:00 AM	SM	SM	SM	SM	1165.3	1792.6	15.1	14.7	SM	0.6	SM	0.00
Sep 12, 9:00 AM	SM	SM	SM	SM	1138.0	1768.7	18.2	14.7	SM	0.6	SM	0.00
Sep 12, 10:00 AM	SM	SM	SM	SM	983.3	1558.6	24.0	14.7	SM	0.6	SM	0.00

Sep 1,110,044	Component	SO2 Mass Rate (Kg/hr)	Hydrogen Ca Sulfide (PPM/hr)	rbonyl Sulfide Car (PPM/hr)	bon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Sept 1. 17.00 Sept 1. 17.0	Sep 12, 11:00 AM	SM		SM	SM	1111.7	1798.6		14.7			SM	0.00
Sept 1, 15, 19, 19, 19													
Sept 1.200 Sept	·												
Sept 23.00 PM	· ·												
Sup C. 4.00 PM	·												
Sept. 12.50.07 May	· ·												
Sep 12-00-07M													
Sep 12,709 PM	· ·												
Sept D. D. C. D. M. -0.00	·												
Sep 12, 200 PM	· ·												
Sept 17, 100 PM	Sep 12, 8:00 PM	SM	SM	SM	SM	1006.3	1598.3	24.8	14.7	SM	0.6	SM	0.00
Sept 12,1000MM	Sep 12, 9:00 PM	SM	SM	SM	SM	1222.5	1923.3	22.2	14.7	SM	0.7	SM	0.00
Sep 13, 12,000 AM	Sep 12, 10:00 PM	SM	SM	SM	SM	1018.9	1593.5	20.5	14.7	SM	0.6	SM	0.00
Sep 13, 12,000 AM	Sep 12, 11:00 PM	SM	SM	SM	SM	1048.5	1634.1	19.3	14.7	SM	0.6	SM	0.00
Sep 12, 13, 13, 100 AM													
Sep 13, 2000 AM	· ·												
Sep 13, 200 AM													
Sep 13, 1000 AM													
Sep 13, 2007 MA													
Sept 13, 00 AM	· ·												
Sept 13, 200 AM	·												
Sep 13, 1000 AM	Sep 13, 6:00 AM	SM			SM	917.1		15.6	14.7		0.5	SM	
Sep 13, 300 PM	Sep 13, 7:00 AM	SM	SM	SM	SM	943.2	1451.5	15.4	14.7	SM	0.5	SM	0.00
Sep 13, 1000 AM	Sep 13, 8:00 AM	SM	SM	SM	SM	1168.1	1804.3	16.4	14.7	SM	0.6	SM	0.00
Sep 13, 1000 AM	Sep 13, 9:00 AM	SM	SM	SM	SM	1395.1	2176.5	20.0	14.7	SM	0.8	SM	0.00
Sep 13, 100,0 M	· ·												0.00
Sep 13, 12:00 PM	·												
Sep 13, 100 PM													
Sep 13, 200 PM	· ·												
Sep 13, 300 PM													
Sept 13, 400 PM	· ·												
Sep 13, 500 PM	·												0.00
Sept 14, 000 PM	Sep 13, 4:00 PM	5.8	1781.4	55.7	20.0	1196.6	1949.0	32.7	14.7	1372.8	0.7	1372.8	5.76
Sep 13, 7-00 PM	Sep 13, 5:00 PM	7.0	2166.0	53.5	19.5	1215.5	1967.6	30.7	14.7	1359.6	0.7	1359.6	12.80
Sep 13, 7-00 PM	Sep 13, 6:00 PM	10.6	3382.7	56.9	20.9	1188.7	1918.4	29.8	14.7	1372.6	0.7	1372.6	23.36
Sep 13, 800 PM	·												
Sept 13, 900 PM	· ·												
Sep 13, 1000 PM	·												
Sep 14, 100 PM													
Sep14, 1200 AM	·												
Sept 14, 100 AM	Sep 13, 11:00 PM	39.2	14921.5	76.0	32.0	1013.9	1581.2	19.5	14.7	1367.3	0.6	1367.3	262.61
Sep14, 200 AM	Sep 14, 12:00 AM	107.9	15499.9	78.6	35.7	2198.3	3411.8	18.9	14.7	1643.7	1.2	1643.7	370.52
Sep14, 300 AM	Sep 14, 1:00 AM	17.5	3266.1	55.5	16.4	2031.0	3142.2	18.3	14.7	1890.4	1.1	1890.4	388.03
Sep14, 300 AM	Sep 14, 2:00 AM	34.6	5129.0	54.2	15.0	2561.3	3955.7	17.9	14.8	1918.7	1.4	1918.7	422.65
Sep 14, 400 AM	·												
Sep14, 500 AM													
Sep 14, 600 AM													
Sep14, 700 AM	· ·												
Sep14, 800 AM													
Sep14, 900 AM	Sep 14, 7:00 AM	4.7	1477.6	40.3	9.0	1210.5	1852.7	14.6	14.7	1646.1	0.7	1646.1	466.50
Sep 14, 10:00 AM	Sep 14, 8:00 AM	7.7	1872.1	44.0	9.9	1528.3	2346.0	15.6	14.7	1745.8	0.8	1745.8	474.23
Sep 14, 11:00 AM	Sep 14, 9:00 AM	7.6	2004.5	47.2	11.8	1446.9	2249.8	19.0	14.7	1683.4	0.8	1683.4	481.80
Sep 14, 11:00 AM	Sep 14, 10:00 AM	6.7	2085.8	50.3	12.2	1186.4	1882.0	25.0	14.7	1647.3	0.7	1647.3	488.51
Sep14, 12:00 PM													
Sep14, 1:00 PM													
Sep14, 200 PM	·												
Sep14, 300 PM	·												
Sep 14, 4:00 PM SM SM SM SM SM SM 10.1 SM 42.72 Sep 14, 5:00 PM SM SM SM 475.71 Sep 14, 5:00 PM SM SM SM SM 475.71 Sep 14, 5:00 PM SM SM SM SM 465.15 Sep 14, 5:00 PM SM SM SM 465.15 Sep 14, 5:00 PM SM SM SM 465.15 Sep 14, 9:00 PM SM SM SM 465.15 Sep 14, 9:00 PM SM SM SM SM 465.15 Sep 14, 9:00 PM SM SM SM SM SM SM 10.0 SM SM 10.0 SM SM 11.0 SM SM 11.0 SM SM 11.0 SM SM 12.5 SM 12.5 SM 11.0 SM 11.0 SM 12.5 SM 12.5 SM 12.5 SM 12.5 <td></td>													
Sep 14, 500 PM SM SM SM SM 14746.2 28270.2 87.5 14.7 SM 10.1 SM													
Sep 14, 6:00 PM SM SM SM SM SM SM 465.15 Sep 14, 7:00 PM SM SM SM SM SM 465.15 Sep 14, 8:00 PM SM SM SM SM SM 466.15 Sep 14, 9:00 PM SM SM SM SM SM 10.0 SM 383.93 Sep 14, 9:00 PM SM SM SM SM SM SM 393.92 85.3 14.8 SM 10.0 SM 383.92 85.3 14.8 SM 10.3 SM 382.40 86.8 14.7	·												
Sep 14, 7:00 PM	Sep 14, 5:00 PM	SM	SM	SM	SM	14746.2	28270.2	87.5	14.7	SM	10.1	SM	475.71
Sep 14, 7:00 PM	Sep 14, 6:00 PM	SM	SM	SM	SM	14971.9	28747.5	88.0	14.7	SM	10.3	SM	465.15
Sep 14, 8:00 PM	Sep 14, 7:00 PM	SM		SM	SM	14035.8							436.91
Sep 14, 9:00 PM SM SM <t< td=""><td>·</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>383.93</td></t<>	·												383.93
Sep 14, 10:00 PM	·												
Sep 14, 11:00 PM													
Sep 15, 12:00 AM SM <													
Sep 15, 1:00 AM	· ·												
Sep 15, 2:00 AM													
Sep 15, 3:00 AM													100.48
Sep 15, 4:00 AM	Sep 15, 2:00 AM	SM	SM	SM	SM	12717.8	24463.5	88.0	14.7	SM	8.7	SM	65.86
Sep 15, 4:00 AM	Sep 15, 3:00 AM	SM	SM	SM	SM	12334.5	23769.3	88.6	14.7	SM	8.5	SM	47.24
Sep 15, 5:00 AM													35.82
Sep 15, 6:00 AM SM SM SM SM SM 22391.0 88.1 14.7 SM 8.0 SM 26.73 Sep 15, 7:00 AM SM SM SM SM SM 88.1 14.7 SM 8.1 SM 22.01 Sep 15, 8:00 AM SM SM SM SM SM 8.5 SM 12.20 Sep 15, 9:00 AM SM SM SM SM SM 8.5 SM 8.5 SM 14.22 23859.7 87.4 14.7 SM 8.5 SM 14.22 3859.7 86.0 14.7 SM 8.6 SM 6.7 386.0 14.7 SM 8.6													
Sep 15, 7:00 AM													
Sep 15, 8:00 AM													
Sep 15, 9:00 AM													
Sep 15, 10:00 AM SM SM SM SM SM 0.00 Sep 15, 11:00 AM SM SM SM SM SM SM 0.00 Sep 15, 11:00 PM SM SM SM SM SM 0.00 Sep 15, 1:00 PM SM SM SM SM 0.00 Sep 15, 1:00 PM SM SM SM SM 0.00 Sep 15, 1:00 PM SM SM SM SM 0.00 Sep 15, 2:00 PM SM SM SM SM 0.00 Sep 15, 3:00 PM SM SM SM SM SM 0.00 Sep 15, 4:00 PM SM SM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM 0.00 Sep 15													
Sep 15, 11:00 AM SM SM SM SM SM 0.00 Sep 15, 12:00 PM SM SM SM SM SM 0.00 Sep 15, 12:00 PM SM SM SM SM SM 0.00 Sep 15, 10:00 PM SM SM SM SM SM 0.00 Sep 15, 2:00 PM SM SM SM SM SM 0.00 Sep 15, 3:00 PM SM SM SM SM SM 0.00 Sep 15, 4:00 PM SM SM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM SM 0.00 Sep 15, 6:00 PM													
Sep 15, 12:00 PM													0.00
Sep 15, 1:00 PM SM SM SM SM SM 0.00 Sep 15, 1:00 PM SM SM SM SM SM 0.00 Sep 15, 2:00 PM SM SM SM SM 0.00 Sep 15, 3:00 PM SM SM SM SM 0.00 Sep 15, 4:00 PM SM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM 0.00	Sep 15, 11:00 AM	SM	SM	SM	SM	12594.3	24104.1	86.5	14.7	SM	8.6	SM	0.00
Sep 15, 1:00 PM SM SM SM SM SM 0.00 Sep 15, 1:00 PM SM SM SM SM SM 0.00 Sep 15, 2:00 PM SM SM SM SM 0.00 Sep 15, 3:00 PM SM SM SM SM 0.00 Sep 15, 4:00 PM SM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM 0.00	Sep 15, 12:00 PM	SM	SM	SM	SM	12771.6	24477.4	87.3	14.7	SM	8.7	SM	0.00
Sep 15, 2:00 PM SM SM SM SM SM 0.00 Sep 15, 2:00 PM SM SM SM SM SM SM 0.00 Sep 15, 3:00 PM SM SM SM SM SM 0.00 Sep 15, 4:00 PM SM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM 0.00													0.00
Sep 15, 3:00 PM SM SM SM SM SM 0.00 Sep 15, 4:00 PM SM SM SM SM SM SM 0.00 Sep 15, 5:00 PM SM SM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM 0.00 Sep 15, 6:00 PM SM SM SM SM 0.00													
Sep 15, 4:00 PM SM SM SM SM 12049.4 22968.4 85.2 14.7 SM 8.2 SM 0.00 Sep 15, 5:00 PM SM SM SM SM 12246.3 23433.8 86.5 14.7 SM 8.4 SM 0.00 Sep 15, 6:00 PM SM SM SM SM 11880.3 22770.1 86.9 14.7 SM 8.1 SM 0.00	· ·												
Sep 15, 5:00 PM SM SM SM SM 12246.3 23433.8 86.5 14.7 SM 8.4 SM 0.00 Sep 15, 6:00 PM SM SM SM SM SM 11880.3 22770.1 86.9 14.7 SM 8.1 SM 0.00													
Sep 15, 6:00 PM SM SM SM SM 11880.3 22770.1 86.9 14.7 SM 8.1 SM 0.00													
Sep 15, 7:00 PM SM SM SM SM 12799.8 24631.3 88.8 14.7 SM 8.8 SM 0.00													0.00
	Sep 15, 7:00 PM	SM	SM	SM	SM	12799.8	24631.3	88.8	14.7	SM	8.8	SM	0.00



Component	SO2 Mass Rate		bonyl Sulfide Car		NFlow (Nex 2/ba)	Flare Velocity		Flare Pressure	Net Heating	Flare Tip	South NHVcz S	
	(Kg/hr)	Sulfide (PPM/hr)	(PPM/hr)	(PPM/hr)	(Nm3/hr)	(m/hr)	Temperature (deg. C)	(PSIA)	Value (BTU/scf)	Velocity (m/s)	(BTU/scf)	(Kg/day)
Sep 15, 8:00 PM	SM	SM	SM	SM	12131.7	23384.3	89.1	14.7	SM	8.3	SM	0.00
Sep 15, 9:00 PM	SM	SM	SM	SM	11649.5	22438.2	88.7	14.7	SM	8.0	SM	0.00
Sep 15, 10:00 PM	SM	SM	SM	SM	11482.5	22177.6	89.6	14.7	SM	7.9	SM	0.00
Sep 15, 11:00 PM	SM	SM	SM	SM	10841.1	20963.3	89.9	14.7	SM	7.5	SM	0.00
Sep 16, 12:00 AM	SM	SM	SM	SM	9293.2	17923.6	88.8	14.7	SM	6.4	SM	0.00
Sep 16, 1:00 AM	SM	SM	SM	SM	9490.6	18283.6	88.6	14.7	SM	6.5	SM	0.00
Sep 16, 2:00 AM	SM	SM	SM	SM	8665.5	16725.3	89.0	14.7	SM	6.0	SM	0.00
Sep 16, 3:00 AM	SM	SM	SM	SM	8131.4	15607.5	86.9	14.7	SM	5.6	SM	0.00
Sep 16, 4:00 AM	SM	SM	SM	SM	8404.8	16137.5	87.2	14.7	SM	5.8	SM	0.00
Sep 16, 5:00 AM	SM	SM	SM	SM	8206.0	15839.8	88.9	14.7	SM	5.7	SM	0.00
Sep 16, 6:00 AM	SM	SM	SM	SM	8593.9	16566.0	88.5	14.7	SM	5.9	SM	0.00
Sep 16, 7:00 AM	SM	SM	SM	SM	9035.5	17417.9	88.5	14.7	SM	6.2	SM	0.00
Sep 16, 8:00 AM	SM	SM	SM	SM	8364.0	15992.3	85.7	14.7	SM	5.7	SM	0.00
Sep 16, 9:00 AM	SM	SM	SM	SM	7775.4	14401.2	75.3	14.7	SM	5.1	SM	0.00
Sep 16, 10:00 AM	SM	SM	SM	SM	6715.3	12506.2	77.3	14.7	SM	4.5	SM	0.00
Sep 16, 11:00 AM	SM	SM	SM	SM	7441.8	13818.7	76.7	14.7	SM	4.9	SM	0.00
Sep 16, 12:00 PM	SM	SM	SM	SM	7552.4	14108.8	78.5	14.7	SM	5.0	SM	0.00
Sep 16, 1:00 PM	SM	SM	SM	SM	7814.0	14375.9	73.6	14.7	SM	5.1	SM	0.00
Sep 16, 2:00 PM	SM	SM	SM	SM	11474.6	21166.8	76.2	14.8	SM	7.6	SM	0.00
Sep 16, 3:00 PM	SM	SM	SM	SM	13953.3	25632.2	76.1	14.8	SM	9.1	SM	0.00
Sep 16, 4:00 PM	SM	SM	SM	SM	14728.9	27041.2	75.2	14.9	SM	9.7	SM	0.00
Sep 16, 5:00 PM	SM	SM	SM	SM	11106.7	21315.4	87.8	14.7	SM	7.6	SM	0.00
Sep 16, 6:00 PM	SM	SM	SM	SM	12370.5	23890.4	90.4	14.7	SM	8.5	SM	0.00
Sep 16, 7:00 PM	SM	SM	SM	SM	9337.3	17901.1	86.6	14.7	SM	6.4	SM	0.00
Sep 16, 8:00 PM	SM	SM	SM	SM	4697.8	8701.3	73.6	14.7	SM	3.1	SM	0.00
Sep 16, 9:00 PM	SM	SM	SM	SM	3205.2	5675.3	59.2	14.7	SM	2.0	SM	0.00
Sep 16, 10:00 PM	SM	SM	SM	SM	3482.8	6094.3	55.2	14.7	SM	2.2	SM	0.00
Sep 16, 11:00 PM	SM	SM	SM	SM	2641.7	4545.5	49.6	14.7	SM	1.6	SM	0.00
Sep 10, 11:00 FM Sep 17, 12:00 AM	SM	SM	SM	SM	1995.2	3343.2	41.6	14.7	SM	1.2	SM	0.00
Sep 17, 12:00 AM	SM	SM	SM	SM	1601.7	2637.7	36.1	14.7	SM	0.9	SM	0.00
Sep 17, 2:00 AM	SM	SM	SM	SM	1725.5	2817.6	33.9	14.7	SM	1.0	SM	0.00
Sep 17, 3:00 AM	SM	SM	SM	SM	1283.9	2086.0	32.1	14.7	SM	0.7	SM	0.00
Sep 17, 4:00 AM	SM	SM	SM	SM	1201.0	1922.6	27.9	14.7	SM	0.7	SM	0.00
Sep 17, 5:00 AM	SM	SM	SM	SM	1596.4	2566.8	29.6	14.7	SM	0.9	SM	0.00
Sep 17, 6:00 AM	SM	SM	SM	SM	1272.2	2054.9	30.8	14.7	SM	0.7	SM	0.00
Sep 17, 7:00 AM	SM	SM	SM	SM	1182.0	1894.1	28.5	14.7	SM	0.7	SM	0.00
Sep 17, 8:00 AM	SM	SM	SM	SM	2096.4	3341.2	26.3	14.7	SM	1.2	SM	0.00
Sep 17, 9:00 AM	SM	SM	SM	SM	2327.2	3710.4	26.0	14.7	SM	1.3	SM	0.00
Sep 17, 10:00 AM	SM	SM	SM	SM	1173.2	1869.3	26.5	14.7	SM	0.7	SM	0.00
Sep 17, 11:00 AM	SM	SM	SM	SM	1158.5	1855.2	28.1	14.7	SM	0.7	SM	0.00
Sep 17, 12:00 PM	SM	SM	SM	SM	1195.3	1955.6	34.6	14.7	SM	0.7	SM	0.00
Sep 17, 1:00 PM	SM	SM	SM	SM	1713.7	2840.9	39.2	14.7	SM	1.0	SM	0.00
Sep 17, 1:00 PM	SM	SM	SM	SM	1090.0	1788.9	36.3	14.8	SM	0.6	SM	0.00
,												
Sep 17, 3:00 PM	SM	SM	SM	SM	1404.8	2282.7	33.4	14.8	SM	0.8	SM	0.00
Sep 17, 4:00 PM	SM	SM	SM	SM	1285.2	2085.7	32.4	14.7	SM	0.7	SM	0.00
Sep 17, 5:00 PM	SM	SM	SM	SM	1133.8	1830.5	30.7	14.7	SM	0.7	SM	0.00
Sep 17, 6:00 PM	SM	SM	SM	SM	1095.3	1764.3	29.9	14.7	SM	0.6	SM	0.00
Sep 17, 7:00 PM	SM	SM	SM	SM	841.0	1343.9	27.4	14.7	SM	0.5	SM	0.00
Sep 17, 8:00 PM	SM	SM	SM	SM	930.6	1468.8	23.6	14.7	SM	0.5	SM	0.00
Sep 17, 9:00 PM	SM	SM	SM	SM	1017.1	1592.0	21.3	14.7	SM	0.6	SM	0.00
Sep 17, 10:00 PM	SM	SM	SM	SM	1123.8	1749.6	19.7	14.7	SM	0.6	SM	0.00
Sep 17, 11:00 PM	SM	SM	SM	SM	1882.7	2917.9	18.6	14.7	SM	1.0	SM	0.00
Sep 18, 12:00 AM	SM	SM	SM	SM	958.2	1483.1	18.1	14.7	SM	0.5	SM	0.00
Sep 18, 1:00 AM	SM	SM	SM	SM	533.9	825.1	17.6	14.7	SM	0.3	SM	0.00
Sep 18, 2:00 AM	SM	SM	SM	SM	546.2	843.0	17.3	14.7	SM	0.3	SM	0.00
Sep 18, 3:00 AM	SM	SM	SM	SM	623.0	960.9	17.3	14.7	SM	0.3	SM	0.00
Sep 18, 4:00 AM	SM	SM	SM	SM	582.0	897.8	17.2	14.7	SM	0.3	SM	0.00
	SM	SM	SM	SM		809.5				0.3	SM	0.00
Sep 18, 5:00 AM					524.0		17.6	14.7	SM			
Sep 18, 6:00 AM	SM	SM	SM	SM	548.0	846.0	17.4	14.7	SM	0.3	SM	0.00
Sep 18, 7:00 AM	SM	SM	SM	SM	543.7	838.7	17.1	14.7	SM	0.3	SM	0.00
Sep 18, 8:00 AM	SM	SM	SM	SM	586.6	909.6	18.6	14.7	SM	0.3	SM	0.00
Sep 18, 9:00 AM	SM	SM	SM	SM	807.8	1266.0	21.8	14.7	SM	0.5	SM	0.00
Sep 18, 10:00 AM	SM	SM	SM	SM	646.2	1023.3	24.6	14.7	SM	0.4	SM	0.00
Sep 18, 11:00 AM	SM	SM	SM	SM	613.1	985.4	29.3	14.7	SM	0.4	SM	0.00
Sep 18, 12:00 PM	SM	SM	SM	SM	572.9	930.3	32.5	14.7	SM	0.3	SM	0.00
Sep 18, 1:00 PM	SM	SM	SM	SM	624.6	1023.7	35.4	14.7	SM	0.4	SM	0.00
Sep 18, 2:00 PM	SM	SM	SM	SM	803.9	1307.7	33.2	14.7	SM	0.5	SM	0.00
Sep 18, 3:00 PM	SM	SM	SM	SM	852.6	1371.8	29.7	14.7	SM	0.5	SM	0.00
Sep 18, 4:00 PM	SM	SM	SM	SM	629.9	1008.7	28.3	14.7	SM	0.4	SM	0.00
Sep 18, 5:00 PM	SM	SM	SM	SM	603.0	964.1	27.9	14.7	SM	0.4	SM	0.00
	SM	SM	SM	SM	569.4				SM		SM	0.00
Sep 18, 6:00 PM						909.1	27.4	14.7		0.3		
Sep 18, 7:00 PM	SM	SM	SM	SM	403.9	640.0	25.1	14.7	SM	0.2	SM	0.00
Sep 18, 8:00 PM	SM	SM	SM	SM	464.2	729.1	22.5	14.7	SM	0.3	SM	0.00
Sep 18, 9:00 PM	SM	SM	SM	SM	768.1	1199.7	20.8	14.7	SM	0.4	SM	0.00
Sep 18, 10:00 PM	SM	SM	SM	SM	461.0	715.7	19.3	14.7	SM	0.3	SM	0.00
Sep 18, 11:00 PM	SM	SM	SM	SM	458.3	709.3	18.4	14.7	SM	0.3	SM	0.00
Sep 19, 12:00 AM	SM	SM	SM	SM	769.0	1188.2	18.0	14.8	SM	0.4	SM	0.00
Sep 19, 1:00 AM	SM	SM	SM	SM	526.5	812.4	17.5	14.7	SM	0.3	SM	0.00
	SM	SM	SM	SM	586.7	905.5	17.6	14.7	SM	0.3	SM	0.00
				· · · ·	000	000.0			J	0.0	U1	0.001
Sep 19, 2:00 AM				SM	518.4	800.0	17 ♀	147	SM	0.3	SM	0.00
	SM SM	SM SM	SM SM	SM SM	518.4 494.2	800.9 763.8	17.8 17.8	14.7 14.7	SM SM	0.3 0.3	SM SM	0.00

Component	SO2 Mass Rate (Kg/hr)	Sulfide	rbonyl Sulfide Car (PPM/hr)	rbon Disulfide (PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Flare Temperature	Flare Pressure (PSIA)	Net Heating Value	Flare Tip Velocity	South NHVcz (BTU/scf)	SO2 Mass Rate (Kg/day)
Sep 19, 6:00 AM	SM	(PPM/hr) SM	SM	SM	567.1	876.0	(deg. C) 17.6	14.7	(BTU/scf) SM	(m/s) 0.3	SM	0.00
Sep 19, 7:00 AM	SM	SM	SM	SM	800.9	1236.8	17.5	14.7	SM	0.4	SM	0.00
Sep 19, 7:00 AM	SM	SM	SM	SM	1030.7	1595.2	18.0	14.7	SM	0.6	SM	0.00
Sep 19, 9:00 AM	SM	SM	SM	SM	1048.8	1634.3	20.1	14.7	SM	0.6	SM	0.00
· ·	SM	SM	SM	SM	1074.0	1698.7	24.6	14.7	SM	0.6	SM	0.00
Sep 19, 10:00 AM												
Sep 19, 11:00 AM	SM	SM	SM	SM	798.8	1289.0	30.8	14.7	SM	0.5	SM	0.00
Sep 19, 12:00 PM	0.6	335.4	33.6	4.3	590.2	976.7	38.7	14.7	978.0	0.3	978.0	0.57
Sep 19, 1:00 PM	0.7	343.6	35.1	1.6	678.1	1126.4	39.7	14.7	1125.0	0.4	1125.0	1.24
Sep 19, 2:00 PM	0.8	389.5	36.1	0.9	722.6	1193.3	37.8	14.7	1172.6	0.4	1172.6	2.03
Sep 19, 3:00 PM	0.8	377.8	39.3	2.3	782.3	1286.5	36.6	14.7	1152.2	0.5	1152.2	2.88
Sep 19, 4:00 PM	1.2	433.3	44.1	2.5	1006.2	1642.6	34.6	14.8	1329.2	0.6	1329.2	4.12
Sep 19, 5:00 PM	1.0	327.5	37.6	2.0	1022.1	1649.9	31.3	14.8	1577.5	0.6	1577.5	5.10
Sep 19, 6:00 PM	0.5	248.3	34.4	1.5	691.0	1108.1	29.4	14.8	1594.5	0.4	1594.5	5.61
Sep 19, 7:00 PM	0.3	269.7	30.3	1.5	435.7	693.1	26.8	14.8	1441.2	0.2	1441.2	5.95
Sep 19, 8:00 PM	0.3	256.5	27.4	2.0	442.2	697.1	23.9	14.8	1336.5	0.2	1336.5	6.27
· ·												6.85
Sep 19, 9:00 PM	0.6	282.2	23.7	1.8	732.2	1146.0	21.8	14.8	1407.3	0.4	1407.3	
Sep 19, 10:00 PM	0.4	307.2	25.8	2.7	518.9	808.5	20.6	14.8	1414.8	0.3	1414.8	7.30
Sep 19, 11:00 PM	0.4	224.0	26.3	3.1	542.3	842.2	19.7	14.8	1387.7	0.3	1387.7	7.66
Sep 20, 12:00 AM	0.3	190.4	21.9	1.5	573.6	888.7	19.0	14.8	1495.8	0.3	1495.8	7.98
Sep 20, 1:00 AM	0.3	176.6	22.2	1.8	650.3	1004.9	18.3	14.8	1597.5	0.4	1597.5	8.32
Sep 20, 2:00 AM	0.4	196.3	26.8	2.9	683.7	1053.4	17.6	14.8	1638.4	0.4	1638.4	8.73
Sep 20, 3:00 AM	0.7	236.7	30.8	5.2	986.5	1516.6	17.0	14.8	1787.0	0.5	1787.0	9.46
Sep 20, 4:00 AM	0.4	121.9	19.5	3.1	1093.9	1677.4	16.5	14.8	1871.1	0.6	1871.1	9.86
Sep 20, 5:00 AM	0.2	97.5	20.1	3.8	698.0	1069.0	16.1	14.8	1803.3	0.4	1803.3	10.09
Sep 20, 6:00 AM	0.2	91.7	20.8	1.8	584.8	895.9	15.9	14.8	1550.0	0.3	1550.0	10.26
						913.9						
Sep 20, 7:00 AM	0.2	100.8	18.3	1.6	596.0		15.8	14.8	1373.2	0.3	1373.2	10.45
Sep 20, 8:00 AM	0.2	110.6	20.9	2.8	676.0	1042.1	16.8	14.7	1211.5	0.4	1211.5	10.67
Sep 20, 9:00 AM	SM	SM	SM	SM	679.3	1060.6	20.6	14.7	SM	0.4	SM	10.67
Sep 20, 10:00 AM	SM	SM	SM	SM	573.6	914.7	26.8	14.7	SM	0.3	SM	10.67
Sep 20, 11:00 AM	SM	SM	SM	SM	574.6	930.9	31.7	14.7	SM	0.3	SM	10.67
Sep 20, 12:00 PM	SM	SM	SM	SM	612.0	1001.9	35.2	14.7	SM	0.4	SM	10.10
Sep 20, 1:00 PM	SM	SM	SM	SM	641.3	1051.7	35.8	14.7	SM	0.4	SM	9.43
Sep 20, 2:00 PM	SM	SM	SM	SM	676.9	1104.2	34.1	14.7	SM	0.4	SM	8.64
Sep 20, 3:00 PM	SM	SM	SM	SM	652.7	1057.9	32.1	14.7	SM	0.4	SM	7.79
Sep 20, 4:00 PM	SM	SM	SM	SM	674.2	1090.1	31.3	14.7	SM	0.4	SM	6.55
Sep 20, 5:00 PM	SM	SM	SM	SM	594.6	960.1	30.7	14.7	SM	0.3	SM	5.57
· ·												
Sep 20, 6:00 PM	SM	SM	SM	SM	401.1	692.6	26.9	14.7	SM	0.2	SM	5.06
Sep 20, 7:00 PM	SM	SM	SM	SM	322.2	555.3	24.4	14.7	SM	0.2	SM	4.72
Sep 20, 8:00 PM	SM	SM	SM	SM	399.1	628.0	23.3	14.8	SM	0.2	SM	4.39
Sep 20, 9:00 PM	SM	SM	SM	SM	471.8	755.7	22.4	14.8	SM	0.3	SM	3.81
Sep 20, 10:00 PM	SM	SM	SM	SM	495.1	775.0	21.6	14.7	SM	0.3	SM	3.37
Sep 20, 11:00 PM	SM	SM	SM	SM	493.8	771.9	21.0	14.7	SM	0.3	SM	3.01
Sep 21, 12:00 AM	SM	SM	SM	SM	246.7	444.3	20.0	14.7	SM	0.1	SM	2.69
Sep 21, 1:00 AM	SM	SM	SM	SM	446.4	694.8	19.2	14.7	SM	0.3	SM	2.35
Sep 21, 2:00 AM	SM	SM	SM	SM	30.8	65.3	18.4	14.7	SM	0.0	SM	1.94
Sep 21, 3:00 AM	SM	SM	SM	SM	65.5	131.5	17.7	14.7	SM	0.0	SM	1.21
Sep 21, 4:00 AM	SM	SM	SM	SM	99.1	434.0	17.7	14.7	SM	0.1	SM	0.81
Sep 21, 5:00 AM	SM	SM	SM	SM	175.1	421.0	17.9	14.7	SM	0.1	SM	0.58
Sep 21, 6:00 AM	SM	SM	SM	SM	0.0	10.7	17.7	14.7	SM	0.0	SM	0.41
Sep 21, 7:00 AM	SM	SM	SM	SM	0.0	203.9	17.6	14.7	SM	0.0	SM	0.22
Sep 21, 8:00 AM	SM	SM	SM	SM	145.1	446.6	18.5	14.7	SM	0.1	SM	0.00
Sep 21, 9:00 AM	SM	SM	SM	SM	276.2	466.2	21.7	14.7	SM	0.2	SM	0.00
Sep 21, 10:00 AM	SM	SM	SM	SM	67.4	418.0	26.6	14.7	SM	0.0	SM	0.00
Sep 21, 11:00 AM	SM	SM	SM	SM	191.0	432.6	27.3	14.7	SM	0.1	SM	0.00
Sep 21, 12:00 PM	SM	SM	SM	SM	192.2	446.6	31.8	14.7	SM	0.1	SM	0.00
Sep 21, 1:00 PM	SM	SM	SM	SM	21.6	423.4	35.8	14.7	SM	0.0	SM	0.00
Sep 21, 2:00 PM	SM	SM	SM	SM	0.0	375.2	36.0	14.7	SM	0.0	SM	0.00
Sep 21, 3:00 PM	SM	SM	SM	SM	70.3	335.7	34.8	14.7	SM	0.0	SM	0.00
Sep 21, 4:00 PM	SM	SM	SM	SM	139.3	439.2		14.7	SM	0.0	SM	0.00
· ·							31.4					0.00
Sep 21, 5:00 PM	SM	SM	SM	SM	68.6	420.5	28.3	14.7	SM	0.0	SM	
Sep 21, 6:00 PM	SM	SM	SM	SM	193.7	341.7	26.2	14.7	SM	0.1	SM	0.00
Sep 21, 7:00 PM	SM	SM	SM	SM	0.0	0.0	23.1	14.7	SM	0.0	SM	0.00
Sep 21, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 21, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 21, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 21, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 2:00 AM												
·	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
OCP 22, 2.00 1 W	1 30	- 50	- 50	50	50	50	50	50	50	50	50	0.00



Component	SO2 Mass Rate		bonyl Sulfide Ca		NFlow	Flare Velocity		Flare Pressure	Net Heating	Flare Tip	South NHVcz	
	(Kg/hr)	Sulfide (PPM/hr)	(PPM/hr)	(PPM/hr)	(Nm3/hr)	(m/hr)	Temperature (deg. C)	(PSIA)	Value (BTU/scf)	Velocity (m/s)	(BTU/scf)	(Kg/day)
Sep 22, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 7:00 PM												
Sep 22, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 22, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 6:00 AM												
Sep 23, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 23, 11:00 PM												
Sep 24, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 10:00 AM												
Sep 24, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 24, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
·												
Sep 25, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO		0.00
·											SO	
Sep 25, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 25, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 26, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
36p 20, 12.00 AW	I 30	30	30	30	30	30	30	30	30	30	30	0.00

Imperial

Sept. 20 AM	Component	SO2 Mass Rate (Kg/hr)	Sulfide (PPM/hr)	rbonyl Sulfide Ca (PPM/hr)	(PPM/hr)	NFlow (Nm3/hr)	Flare Velocity (m/hr)	Temperature (deg. C)	Flare Pressure (PSIA)	Net Heating Value (BTU/scf)	Flare Tip Velocity (m/s)	(BTU/scf)	SO2 Mass Rate (Kg/day)
Sept. 20 Mill	Sep 26, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
September 100													
Sept. Sept. May	·												0.00
Sept. 5, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	·												0.00
Sept. 17.0 American Sept. 17.0 American Sept. American													0.00
Sept	Sep 26, 6:00 AM							SO					0.00
Sept. 18 19 M	Sep 26, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sept. 1909 May	Sep 26, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sept.	Sep 26, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sept.	Sep 26, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sept 17.00 PM													0.00
Semp 25, 130 PMA													0.00
Sept 20.00 FM -80													
Sep 24, 30,00MM													
Sept. Sept	· ·												
Sep 25, 250 PM													
Sept 25, 500 PM													
Sep 25, Trigo PM													
Sep 08, 80 nPM													
Sept 26, 60 OF M	· ·												0.00
Sep 25, 103 PM													0.00
Sep 27, 100 AM	Sep 26, 9:00 PM	SO	SO		SO	SO		SO	SO		SO	SO	0.00
Sep 27, 1081 AM	Sep 26, 10:00 PM	SO	SO	SO	SO	SO		SO	SO		SO	SO	0.00
Sep 27, 100 AM	Sep 26, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 280 MA	Sep 27, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 280 MA	Sep 27, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 100 AM		SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 1500 AM													0.00
Sep 27, 100 PM													0.00
Sep 27, 600 AM	· ·												0.00
Sep 27, 700 AM													0.00
Sep 27, 800 AM	·												
Sep 27, 100 AM													
Sep 77, 1000 AM													
Sep 27, 11:00 AM													
Sap 27, 12:00 PM	·												
Sep 27, 100 PM													
\$8927, 300 PM													0.00
Sep27, 300 PM	Sep 27, 1:00 PM	SO			SO			SO			SO		0.00
Sep 27, 400 PM	Sep 27, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 500 PM	Sep 27, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 100 PM	Sep 27, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 700 PM	Sep 27, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 1600 PM	Sep 27, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 800 PM	Sep 27, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 100 PM	Sep 27, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 27, 10.00 PM	· ·												0.00
Sep 28, 1100 PM													0.00
Sep 28, 12:00 AM													0.00
Sep 28, 100 AM													
Sep 28, 200 AM	·												
Sep 28, 3:00 AM													
Sep 28, 400 AM													
Sep 28, 500 AM													
Sep 28, 6:00 AM													
Sep 28, 7:00 AM	· ·												0.00
Sep 28, 8:00 AM	·												0.00
Sep 28, 9:00 AM													0.00
Sep 28, 10:00 AM													0.00
Sep 28, 11:00 AM SO <													0.00
Sep 28, 12:00 PM — SO — SO <td></td> <td>0.00</td>													0.00
Sep 28, 1:00 PM	Sep 28, 11:00 AM	SO			SO	SO		SO	SO		SO		0.00
Sep 28, 2:00 PM	Sep 28, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 28, 2:00 PM	Sep 28, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 28, 3:00 PM		SO	SO	SO	SO	SO	SO	SO	SO	SO	SO		0.00
Sep 28, 4:00 PM SO			SO			SO					SO		0.00
Sep 28, 5:00 PM	· ·												0.00
Sep 28, 6:00 PM SO													0.00
Sep 28, 7:00 PM SO													0.00
Sep 28, 8:00 PM SO													0.00
Sep 28, 9:00 PM SO	·												
Sep 28, 10:00 PM SO													
Sep 28, 11:00 PM SO													
Sep 29, 12:00 AM SO	·												0.00
Sep 29, 1:00 AM SO													0.00
Sep 29, 2:00 AM SO													0.00
Sep 29, 3:00 AM SO													0.00
Sep 29, 4:00 AM SO	Sep 29, 2:00 AM	SO			SO	SO		SO	SO		SO		0.00
Sep 29, 5:00 AM SO -	Sep 29, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 5:00 AM SO -	Sep 29, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 6:00 AM SO	Sep 29, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 7:00 AM SO	· ·												0.00
Sep 29, 8:00 AM SO													0.00
Sep 29, 9:00 AM SO													0.00
													0.00
I SAN ZU 10/01 AM I SO	Sep 29, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00



Report Period: From 2024-07-01 12:00:00 AM to 2024-10-01 12:00:00 AM

Component	SO2 Mass Rate	Hydrogen Ca	rbonyl Sulfide Car	bon Disulfide	NFlow	Flare Velocity	Flare	Flare Pressure	Net Heating	Flare Tip	South NHVcz	SO2 Mass Rate
	(Kg/hr)	Sulfide (PPM/hr)	(PPM/hr)	(PPM/hr)	(Nm3/hr)	(m/hr)	Temperature (deg. C)	(PSIA)	Value (BTU/scf)	Velocity (m/s)	(BTU/scf)	(Kg/day)
Sep 29, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 29, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 12:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 1:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 2:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 3:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 4:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 5:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 6:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 7:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 8:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 9:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 10:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 11:00 AM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 12:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 1:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 2:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 3:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 4:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 5:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 6:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 7:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 8:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 9:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 10:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00
Sep 30, 11:00 PM	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	0.00

Legend

5	
Symbol	Name
SM	Stream Maintenance
I	Data Invalid
SO	Stream Offline
F	Calibration Failure