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May 12, 2017

Ms. Lori Simmons
Arkansas Department of Health
4815 West Markham Street
Little Rock, Arkansas 72205
Via email Lori.Simmons@arkansas.gov

Re: Georgia-Pacific, Crossett Mill - Biweekly Air Monitoring Report for Hydrogen Sulfide

Dear Ms. Simmons,

Following is the biweekly data summary for the Georgia-Pacific (GP) hydrogen sulfide (H_2S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of April 19, 2017 through May 2, 2017.

Summary of Results

Included in this report are three plots presenting H_2S concentrations calculated with varied rolling average periods (30-minute, 8-hour, and 24-hour).

Also included in this report is a summary of results from the daily 1-point QC checks performed during this biweekly period. The QAPP establishes goals for precision and bias as a coefficient of variation (CV) <10% and ± 10%, respectively. Precision and bias are calculated in accordance with 40 CFR Part 58 Appendix A, Section 4.1.

Additionally, weekly automated zero adjustments have been put in place beginning February 1, 2017, so as to limit the effect of the analyzer's zero drift. There were a total of two zero checks performed during this biweekly report period; both within the acceptable range of ± 1.5 ppb, as defined in the QAPP. Results for these zero checks are presented below.

Date	Zero Check
4/20/2017	0.8
4/27/2017	0.7

There was a single occurrence of data loss during this monitoring period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. On the evening of May 2nd, prior to scheduled calibrations and maintenance for May 3rd, a manual span check was performed. As a

result in approximately four and a half hours of H_2S data were lost on May 2nd. Results for available automated daily 1-point QC checks fall within the acceptable range, indicating the H_2S monitor was operating in accordance with the QAPP.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. There was a power outage on April 30th that was responsible for approximately five hours of lost meteorological data.

Please feel free to contact me if you have any questions or need any additional data.

Sincerely,

Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

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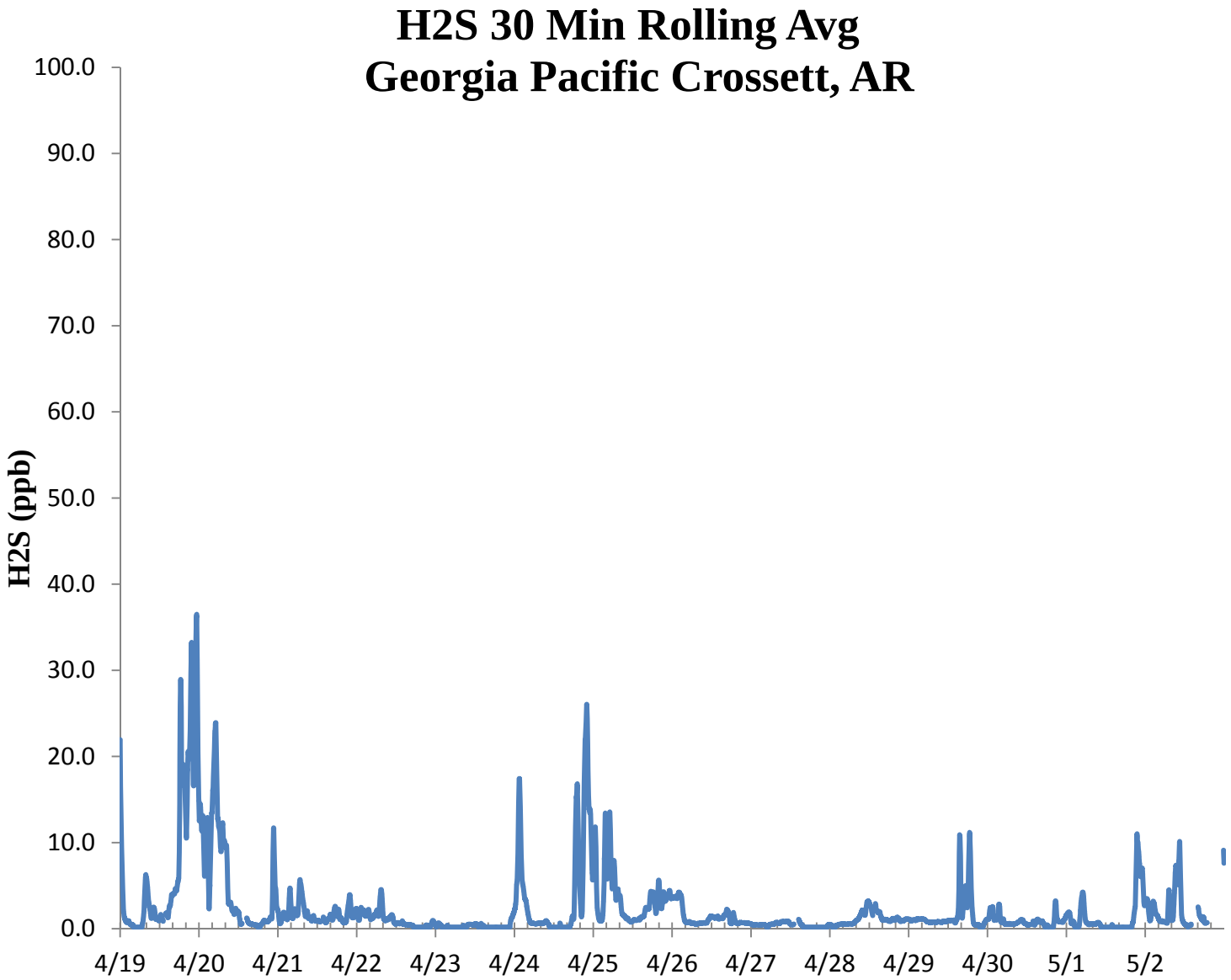
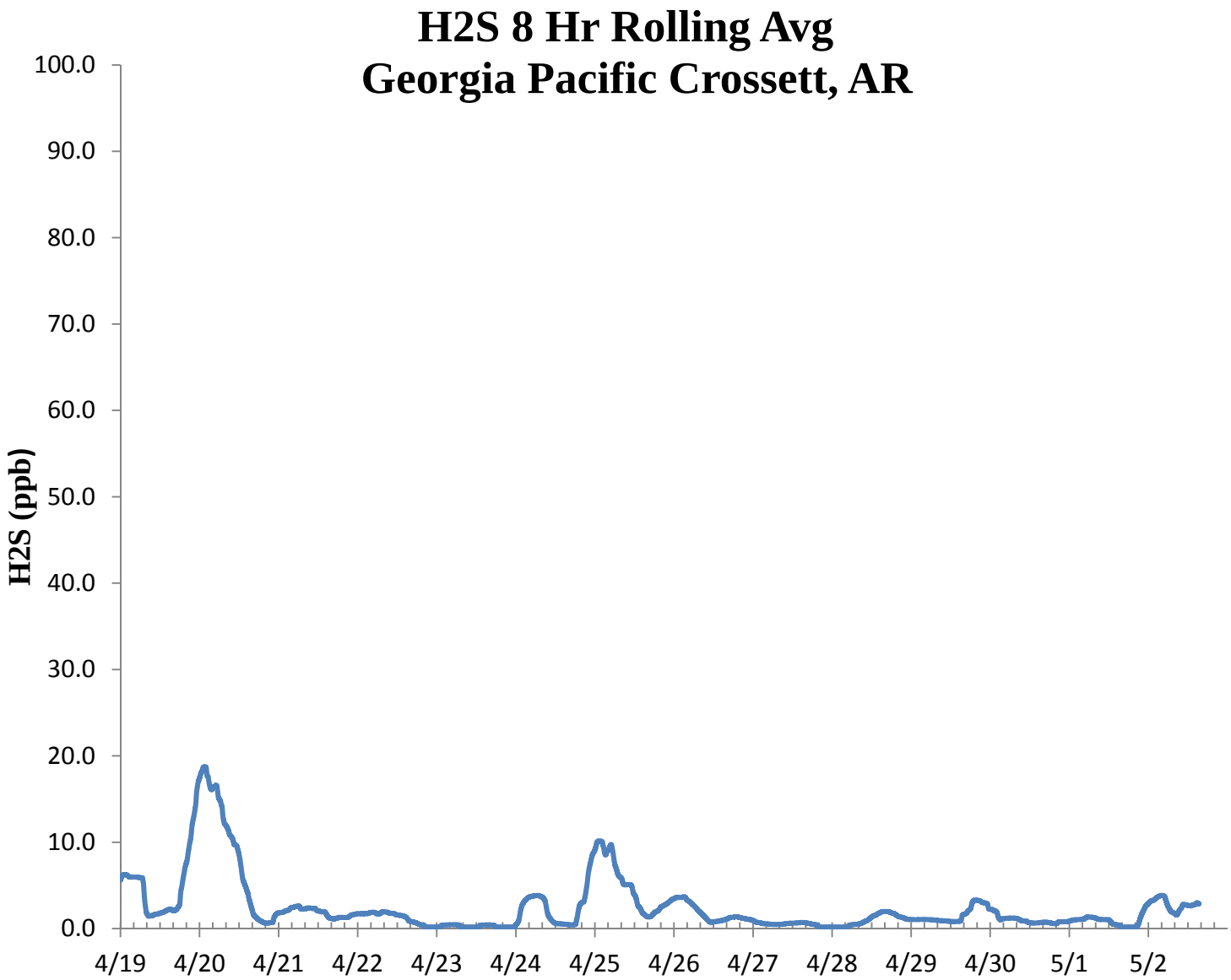
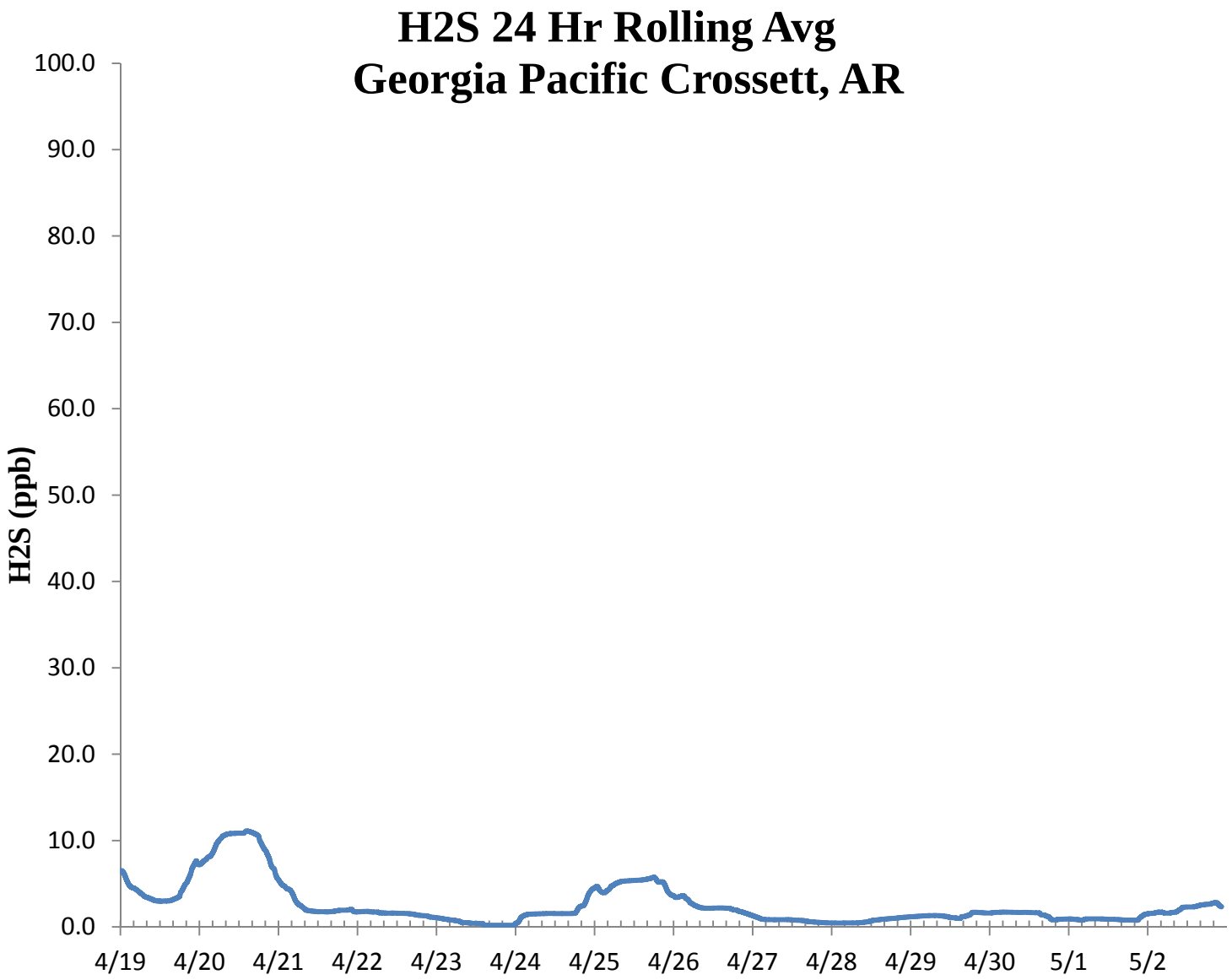
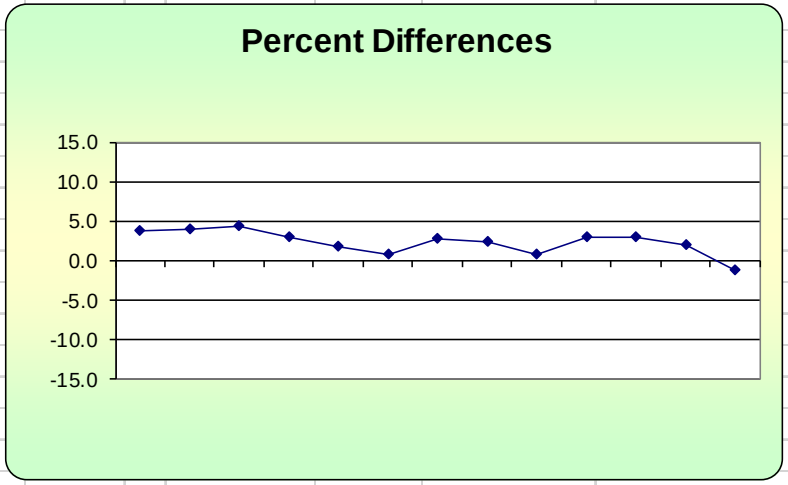
CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us
Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov


H2S 30 Min Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
4/19
4/20
4/21
4/22
4/23
4/24
4/25
4/26
4/27
4/28
4/29
4/30
5/1
5/2

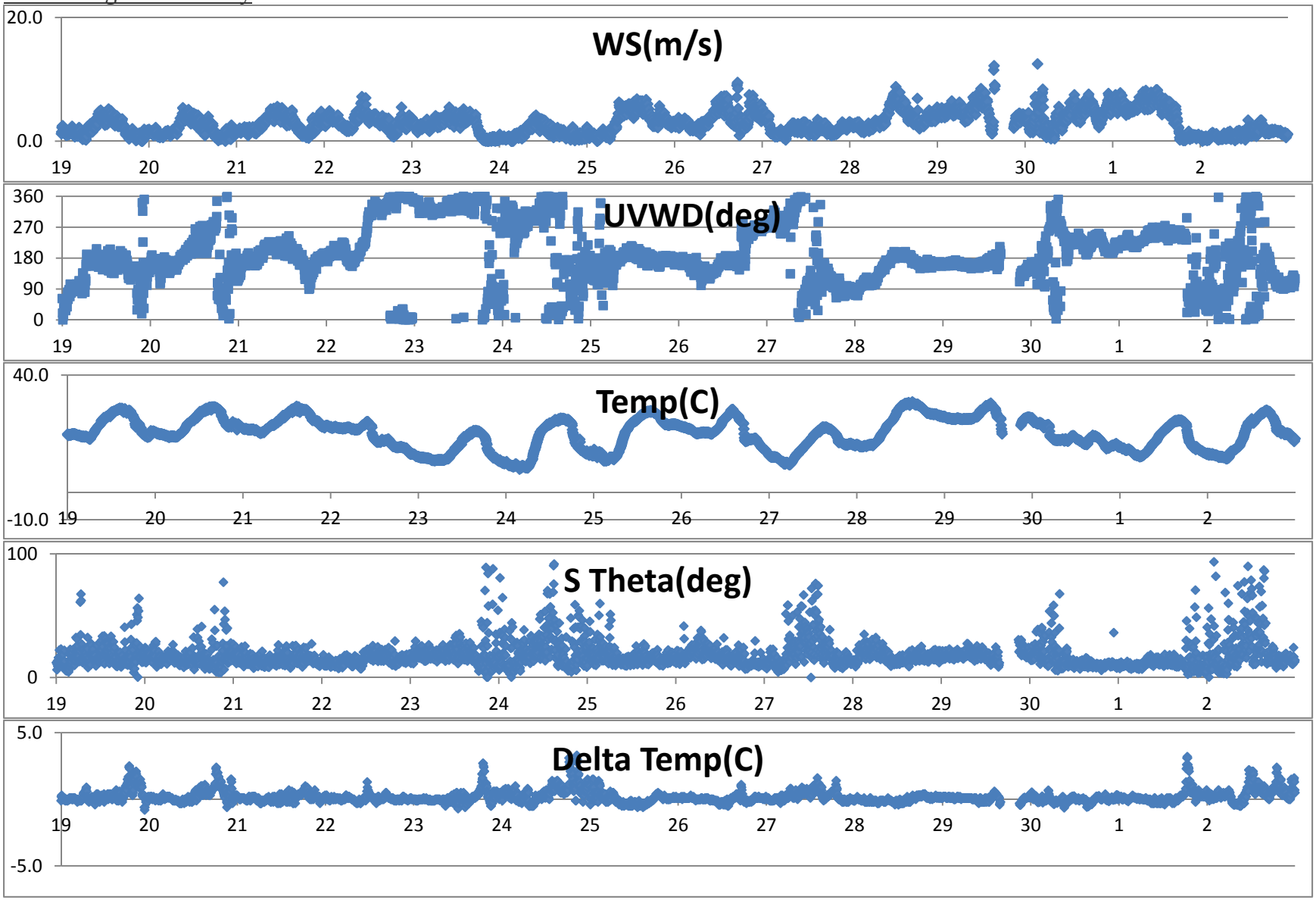

H2S 8 Hr Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
4/19
4/20
4/21
4/22
4/23
4/24
4/25
4/26
4/27
4/28
4/29
4/30
5/1
5/2

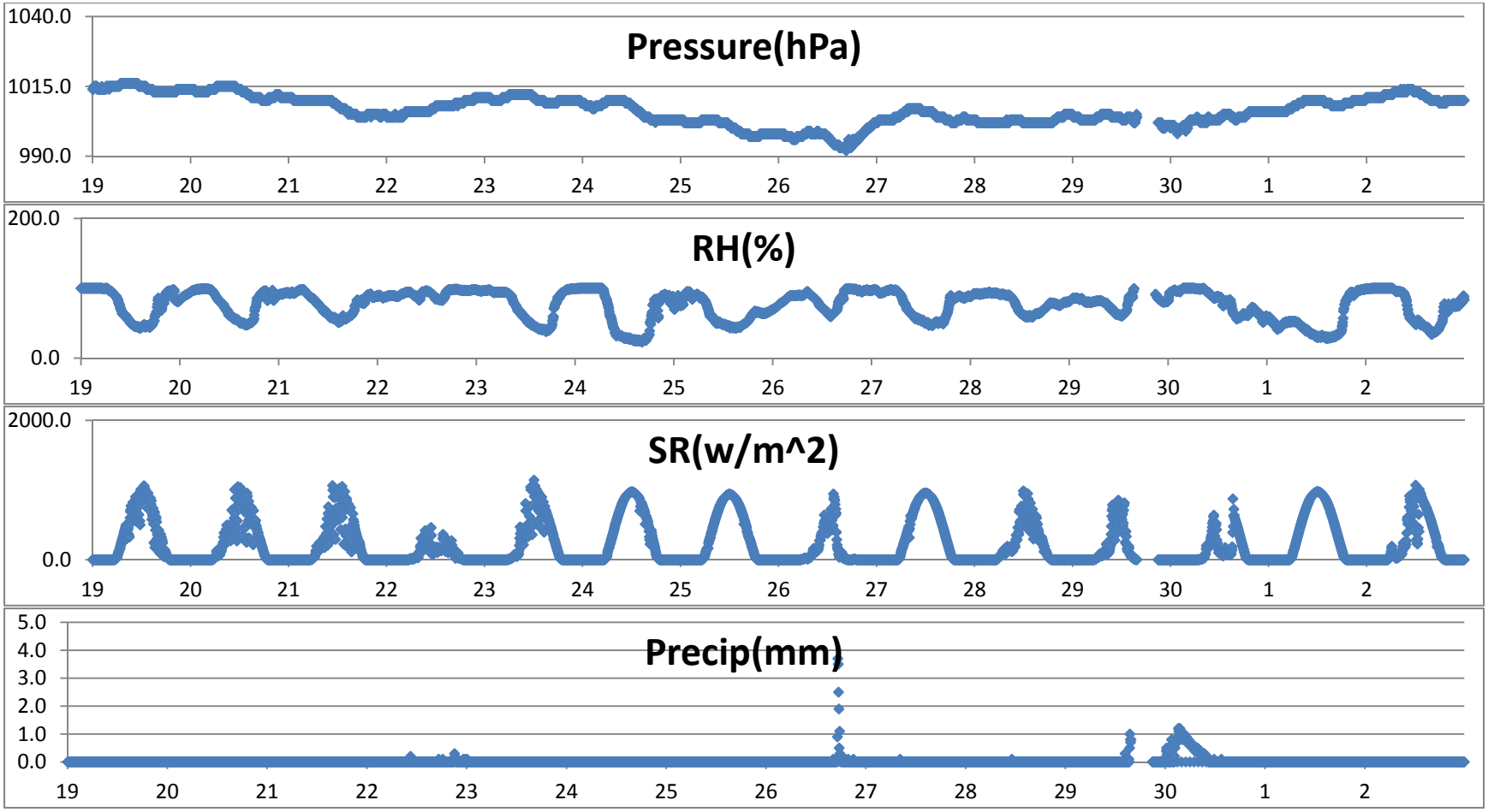

H2S 24 Hr Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
4/19
4/20
4/21
4/22
4/23
4/24
4/25
4/26
4/27
4/28
4/29
4/30
5/1
5/2

GP - Crossett, AR			Compound of Interest: H_2S										
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d^2	|d|	$\|d\|^2$		CV_{ub} (%)		Bias (%)		
4/19/2017 13:00	72.7	70.0	3.9	1.429	14.878	3.857	14.878						
4/20/2017 13:00	72.8	70.0	4.0	75th Percentile	16.000	4.000	16.000	n	S_d	S_{d2}	$\sum\|d\|$		"AB" (Eqn 4)
4/21/2017 13:00	73.1	70.0	4.4	3.000	19.612	4.429	19.612	14	1.519	6.023	34.714		2.480
4/22/2017 13:00	72.1	70.0	3.0		9.000	3.000	9.000	n-1	$\sum d$	$\sum d^2$	$\sum\|d\|^2$		"AS" (Eqn 5)
4/23/2017 13:00	71.3	70.0	1.9		3.449	1.857	3.449	13	32.143	103.776	103.776		1.167
4/24/2017 13:00	70.6	70.0	0.9		0.735	0.857	0.735						
4/25/2017 13:00	72.0	70.0	2.9		8.163	2.857	8.163				Bias (%) (Eqn 3)		Both Signs Positive
4/26/2017 13:00	71.7	70.0	2.4		5.898	2.429	5.898				3.03		TRUE
4/27/2017 13:00	70.6	70.0	0.9		0.735	0.857	0.735		CV (%) (Eqn 2)		Signed Bias (%)		Both Signs Negative
4/28/2017 13:00	72.1	70.0	3.0		9.000	3.000	9.000		2.06		+3.03		FALSE
4/29/2017 13:00	72.1	70.0	3.0		9.000	3.000	9.000						
4/30/2017 13:00	71.4	70.0	2.0		4.000	2.000	4.000		Upper Probability Limit		Lower Probability Limit		
5/1/2017 13:00	69.1	70.0	-1.3		1.653	1.286	1.653		5.27		-0.68		
5/2/2017 13:00	70.9	70.0	1.3		1.653	1.286	1.653						



Meteorological Summary




Pressure(hPa)
1040.0
1015.0
990.0
RH(%)
200.0
0.0
SR(w/m^2)
2000.0
0.0
Precip(mm)
5.0
4.0
3.0
2.0
1.0
0.0
19
20
21
22
23
24
25
26
27
28
29
30
1
2