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February 23, 2015

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 a data summary for the tenth two-week operational period of the Georgia-Pacific (GP) hydrogen sulfide (H_2S) and meteorological monitoring program at the GP Crossett mill, covering the calendar period of February 4th through February 17th.

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.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. All met parameters have 100% data capture for this report period.

There was a single occurrence of data loss during this two week period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. On the morning of February 16th the H_2S monitor experienced a software failure resulting in a loss of approximately 2 hours of data. Results for all automated daily 1-point QC checks fall within the acceptable range, indicating the H_2S monitor was operating in accordance with the QAPP.

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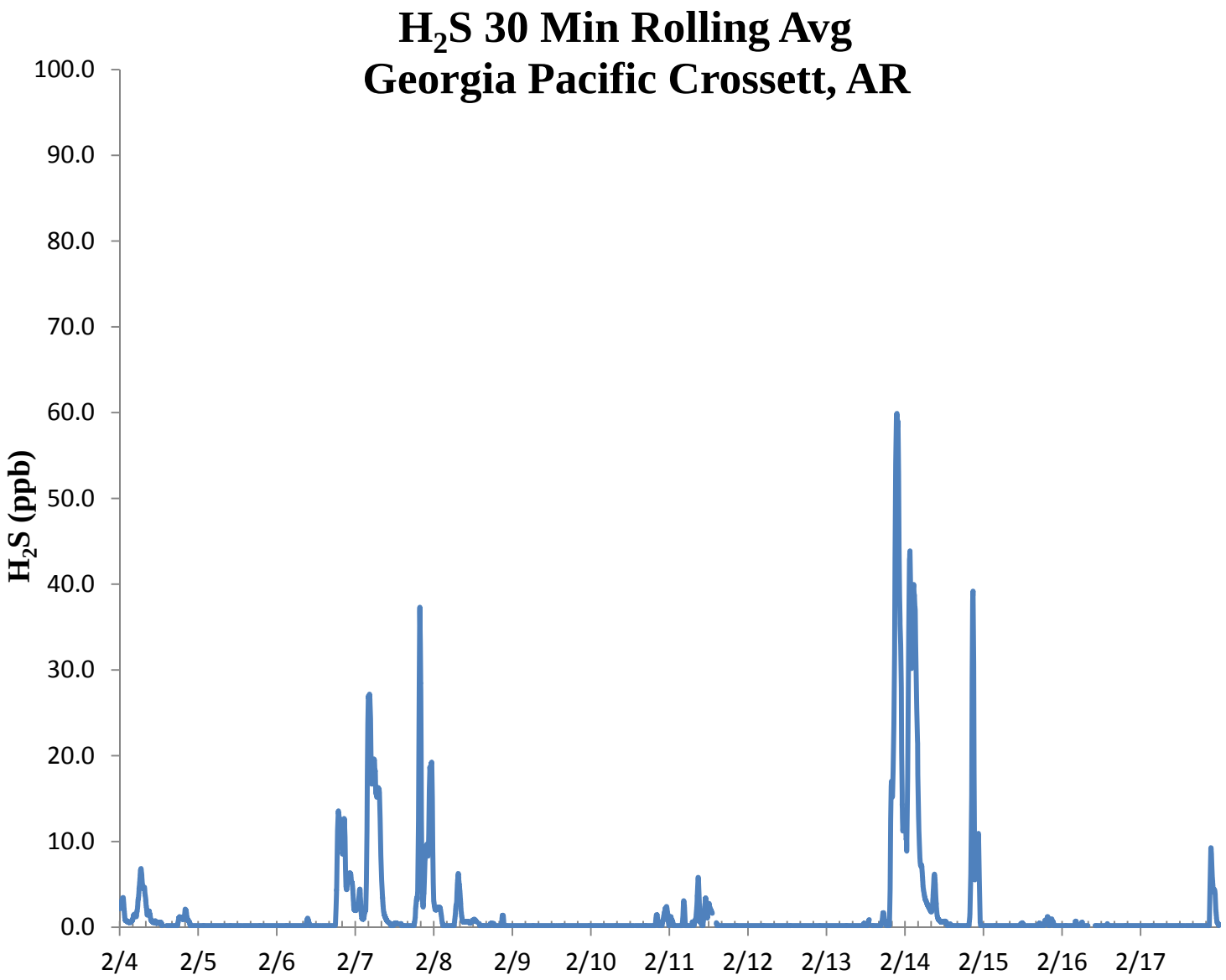
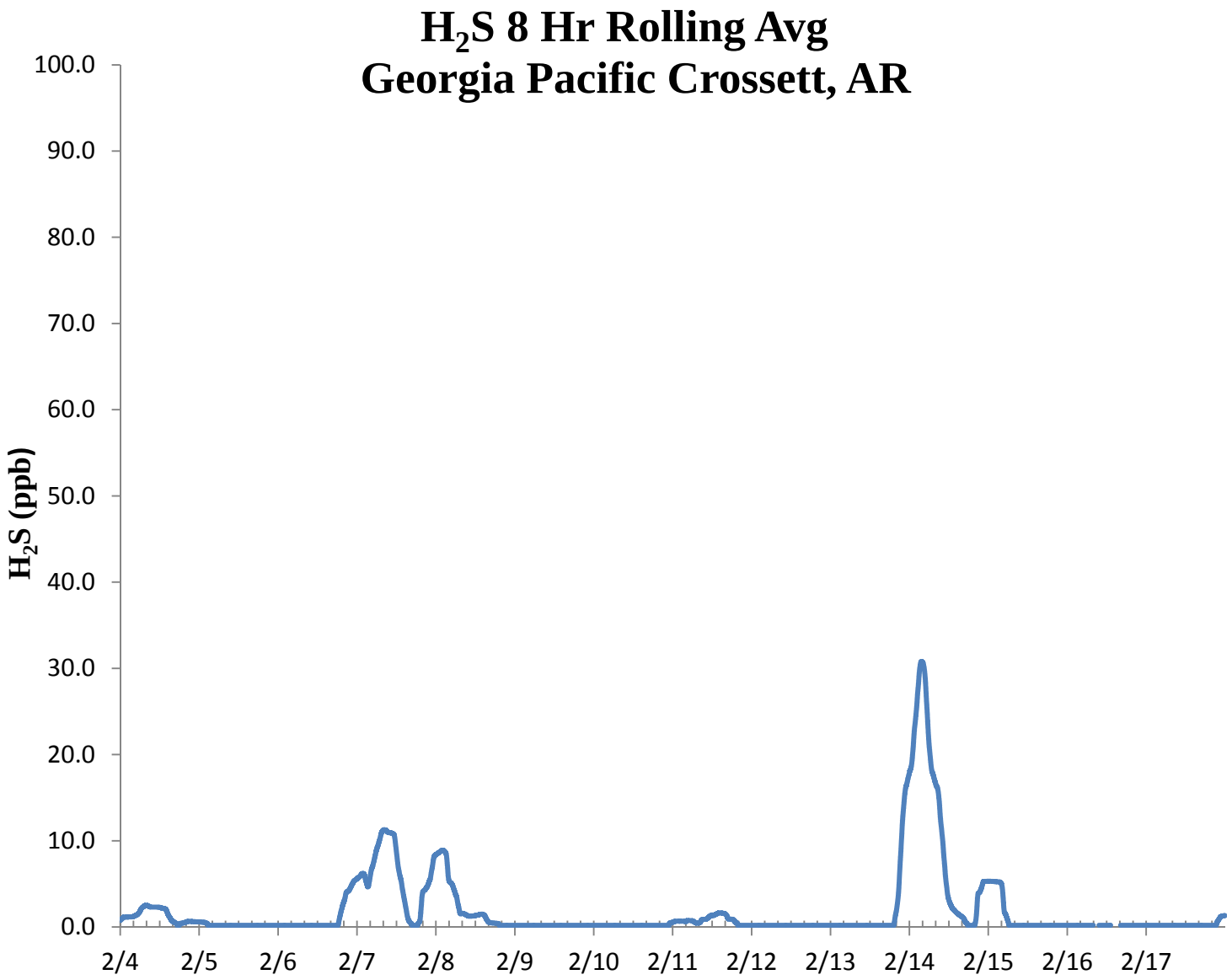
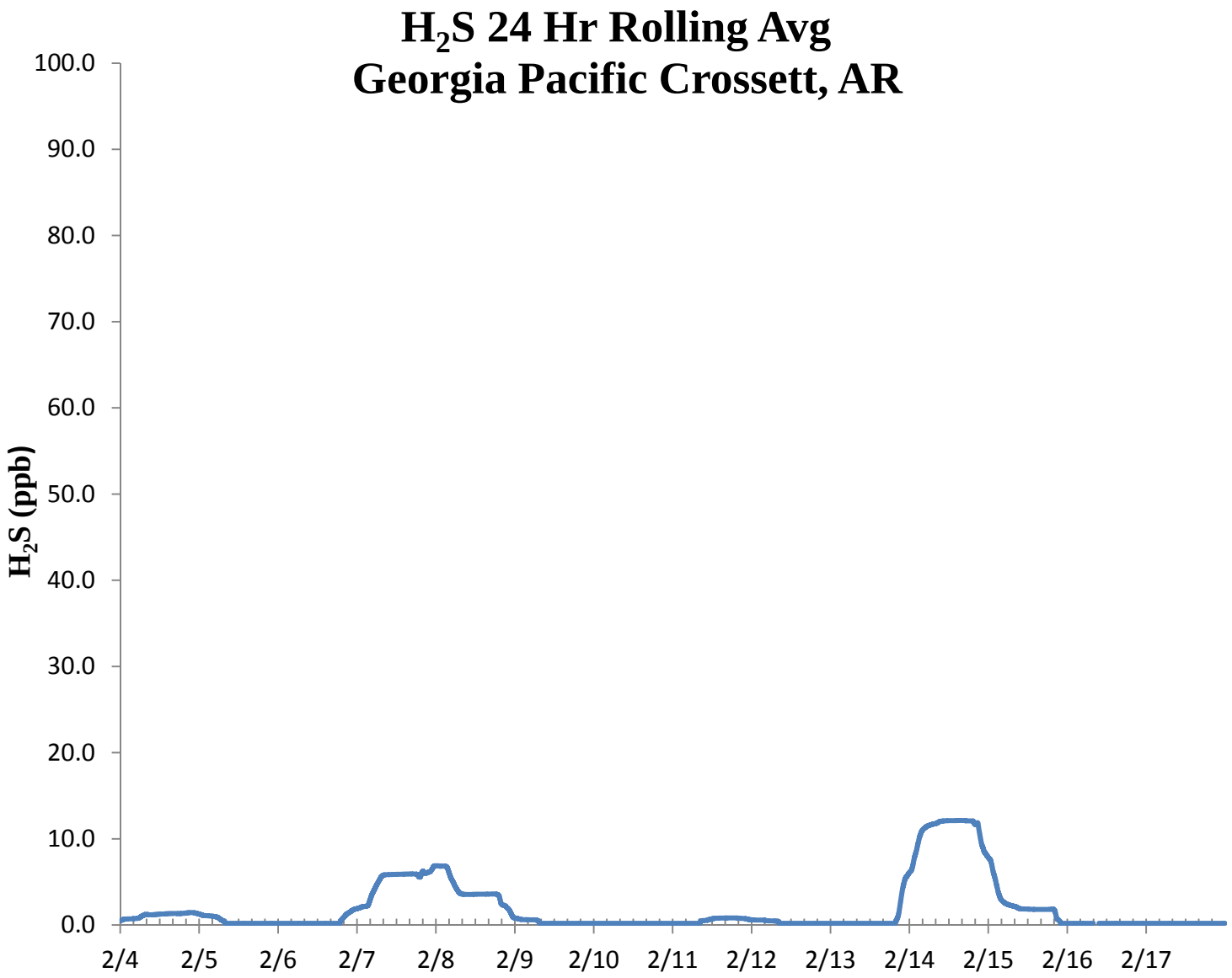
CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us
Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

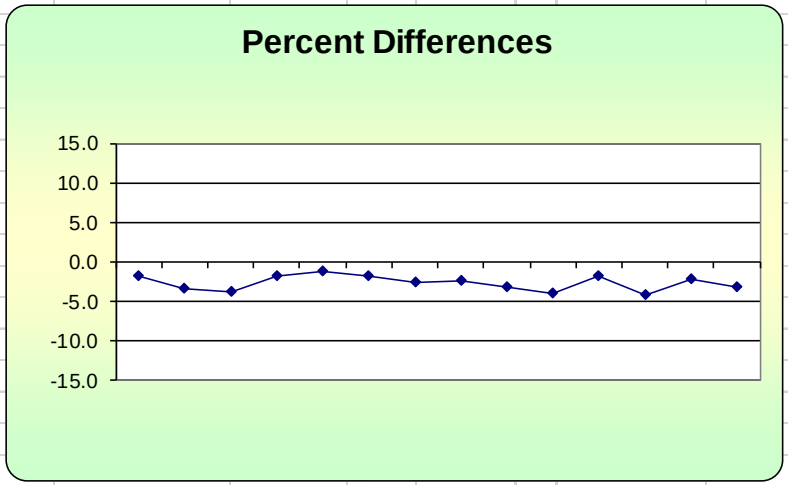

H2S 30 Min Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
2/4
2/5
2/6
2/7
2/8
2/9
2/10
2/11
2/12
2/13
2/14
2/15
2/16
2/17


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
2/4
2/5
2/6
2/7
2/8
2/9
2/10
2/11
2/12
2/13
2/14
2/15
2/16
2/17

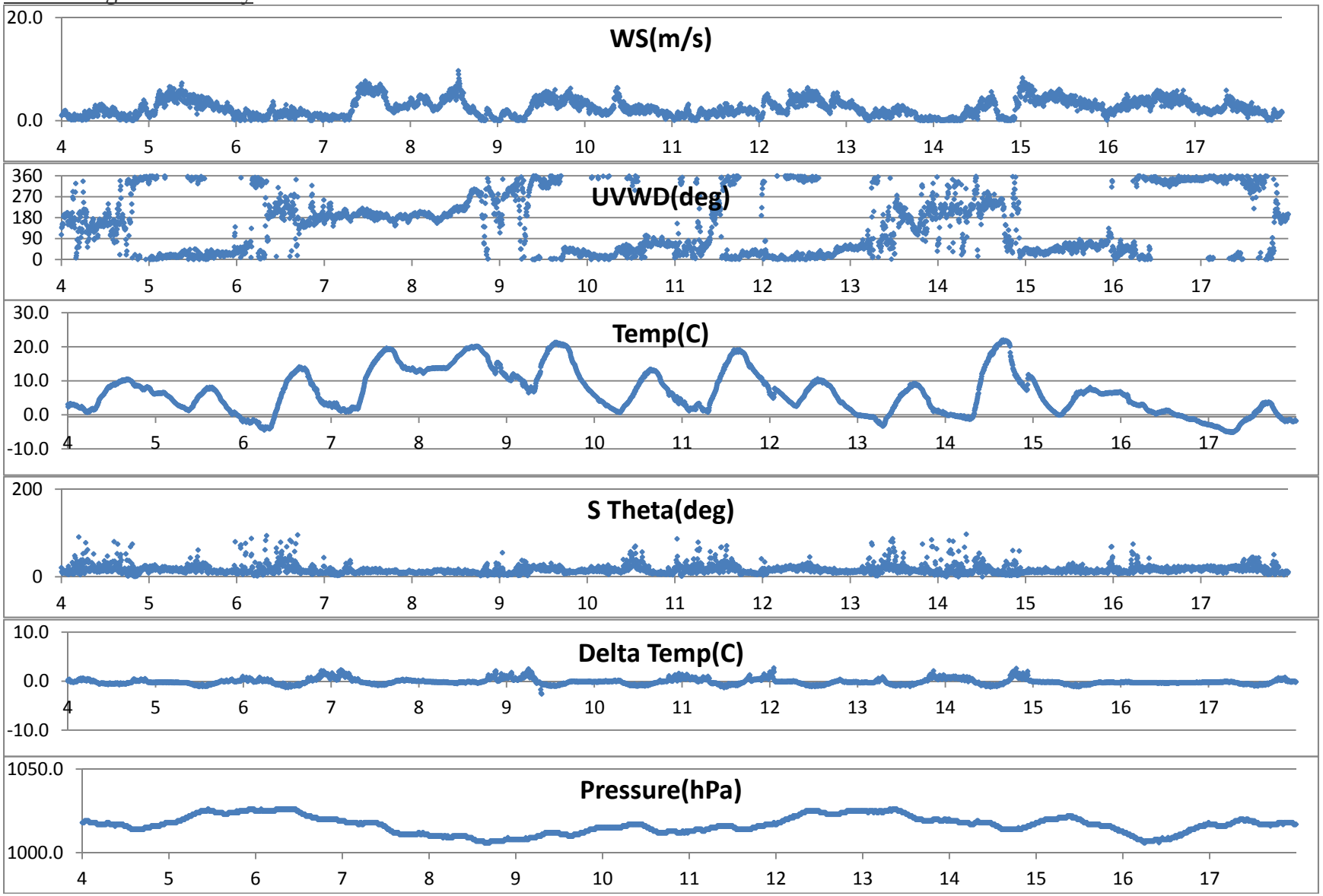

H2S 24 Hr Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
2/4
2/5
2/6
2/7
2/8
2/9
2/10
2/11
2/12
2/13
2/14
2/15
2/16
2/17

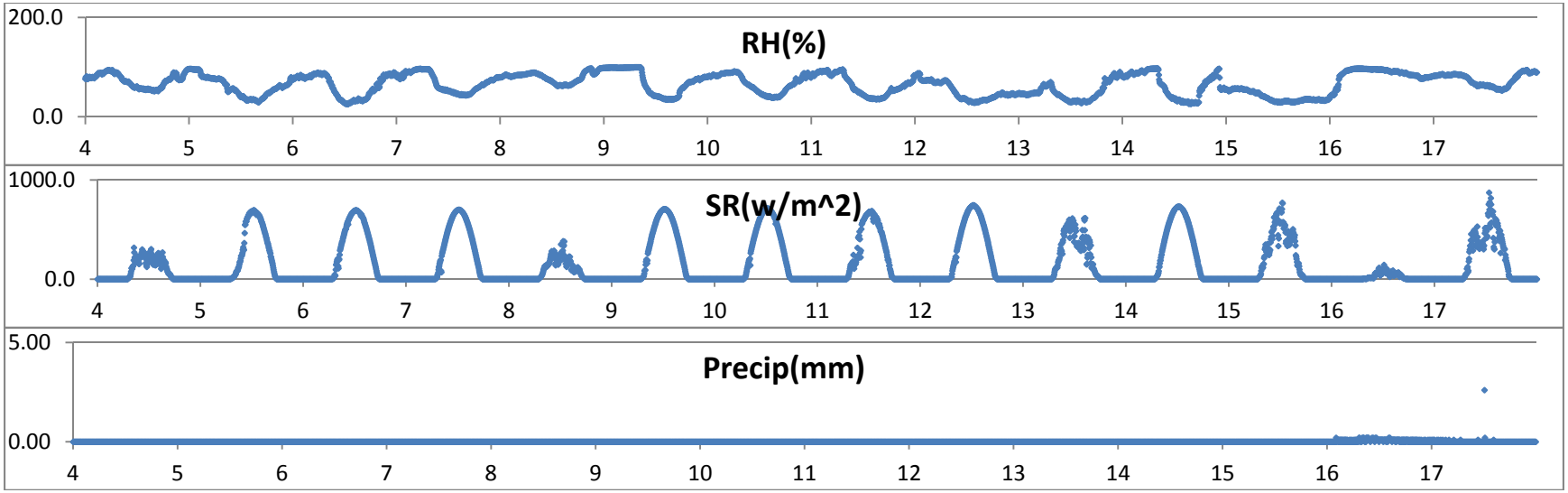
H_2S Assessment

GP - Crossett, AR			Pollutant type: H_2S										
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d^2	|d|	$\|d\|^2$		CV_{ub} (%)		Bias (%)	
2/4/2015 13:00	68.8	70.0	-1.7	-3.393	2.939	1.714	2.939					
2/5/2015 13:00	67.6	70.0	-3.4	75th Percentile	11.755	3.429	11.755	n	S_d	S_{d2}	$\sum\|d\|$	"AB" (Eqn 4)
2/6/2015 13:00	67.4	70.0	-3.7	-1.750	13.796	3.714	13.796	14	0.973	5.318	37.286	2.663
2/7/2015 13:00	68.8	70.0	-1.7		2.939	1.714	2.939	n-1	$\sum d$	$\sum d^2$	$\sum\|d\|^2$	"AS" (Eqn 5)
2/8/2015 13:00	69.2	70.0	-1.1		1.306	1.143	1.306	13	-37.286	111.612	111.612	0.973
2/9/2015 13:00	68.8	70.0	-1.7		2.939	1.714	2.939					
2/10/2015 13:00	68.2	70.0	-2.6		6.612	2.571	6.612				Bias (%) (Eqn 3)	Both Signs Positive
2/11/2015 13:00	68.3	70.0	-2.4		5.898	2.429	5.898				3.12	FALSE
2/12/2015 13:00	67.7	70.0	-3.3		10.796	3.286	10.796		CV (%) (Eqn 2)		Signed Bias (%)	Both Signs Negative
2/13/2015 13:00	67.2	70.0	-4.0		16.000	4.000	16.000		1.32		-3.12	TRUE
2/14/2015 13:00	68.7	70.0	-1.9		3.449	1.857	3.449					
2/15/2015 13:00	67.1	70.0	-4.1		17.163	4.143	17.163		Upper Probability Limit		Lower Probability Limit	
2/16/2015 13:00	68.4	70.0	-2.3		5.224	2.286	5.224		-0.76		-4.57	
2/17/2015 13:00	67.7	70.0	-3.3		10.796	3.286	10.796					



Meteorological Summary




200.0
RH(%)
0.0
4 5 6 7 8 9 10 11 12 13 14 15 16 17
1000.0
SR(w/m^2)
0.0
4 5 6 7 8 9 10 11 12 13 14 15 16 17
5.00
Precip(mm)
0.00
4 5 6 7 8 9 10 11 12 13 14 15 16 17