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November 25, 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 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 November 4th through November 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 occurence of data loss during this two week period, as well as those resulting from automated daily 1-point QC and weekly calibration checks. On November 6th, approximately seven and a half hours of H_2S data was lost due to a LAN communication error between the analyzer and logger PC. TRC is working Teledyne-API to find a resolution to this issue in order to prevent future data loss. Results from the automated calibration check on this day were not recorded. Results for all available 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,

TRC

Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

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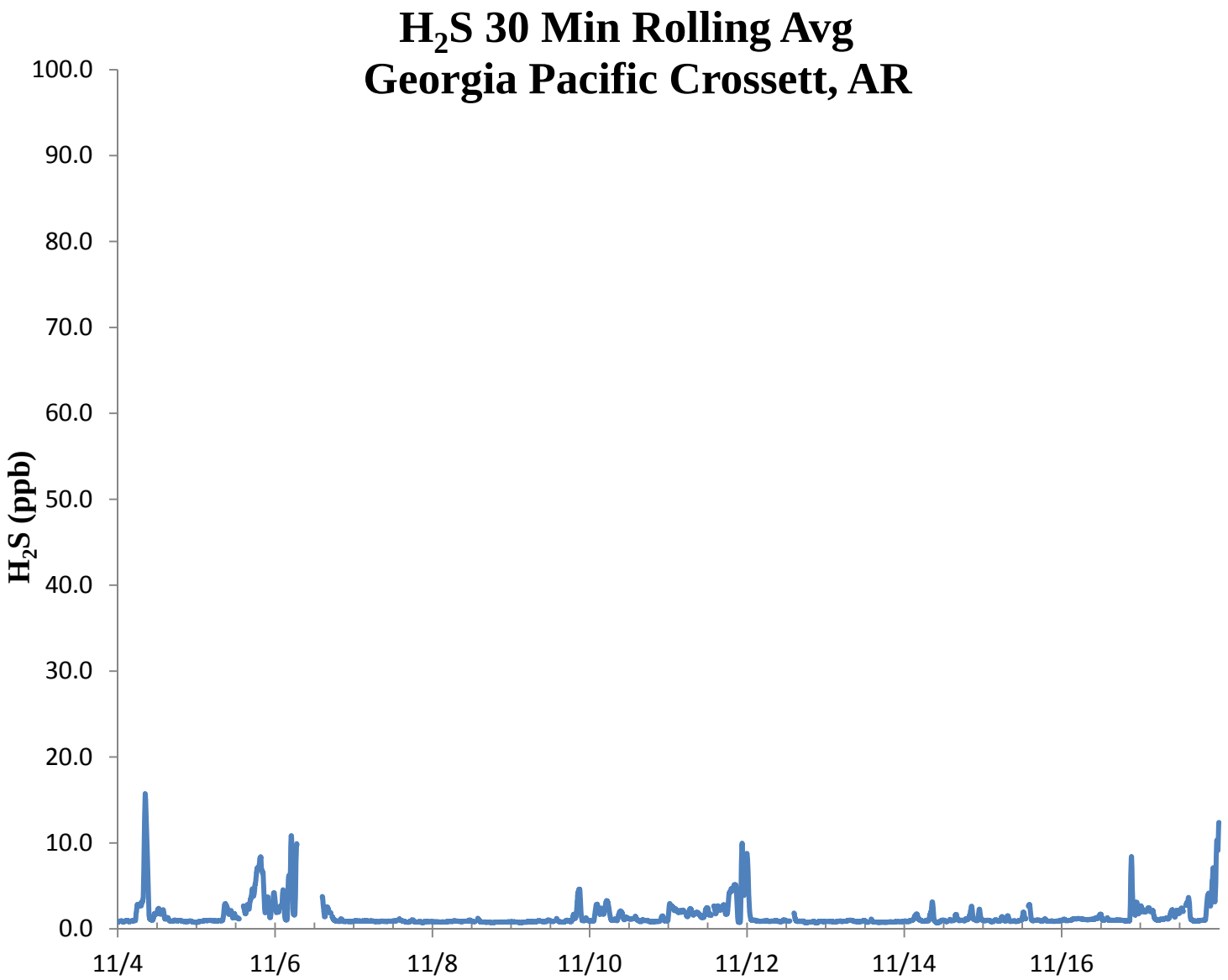
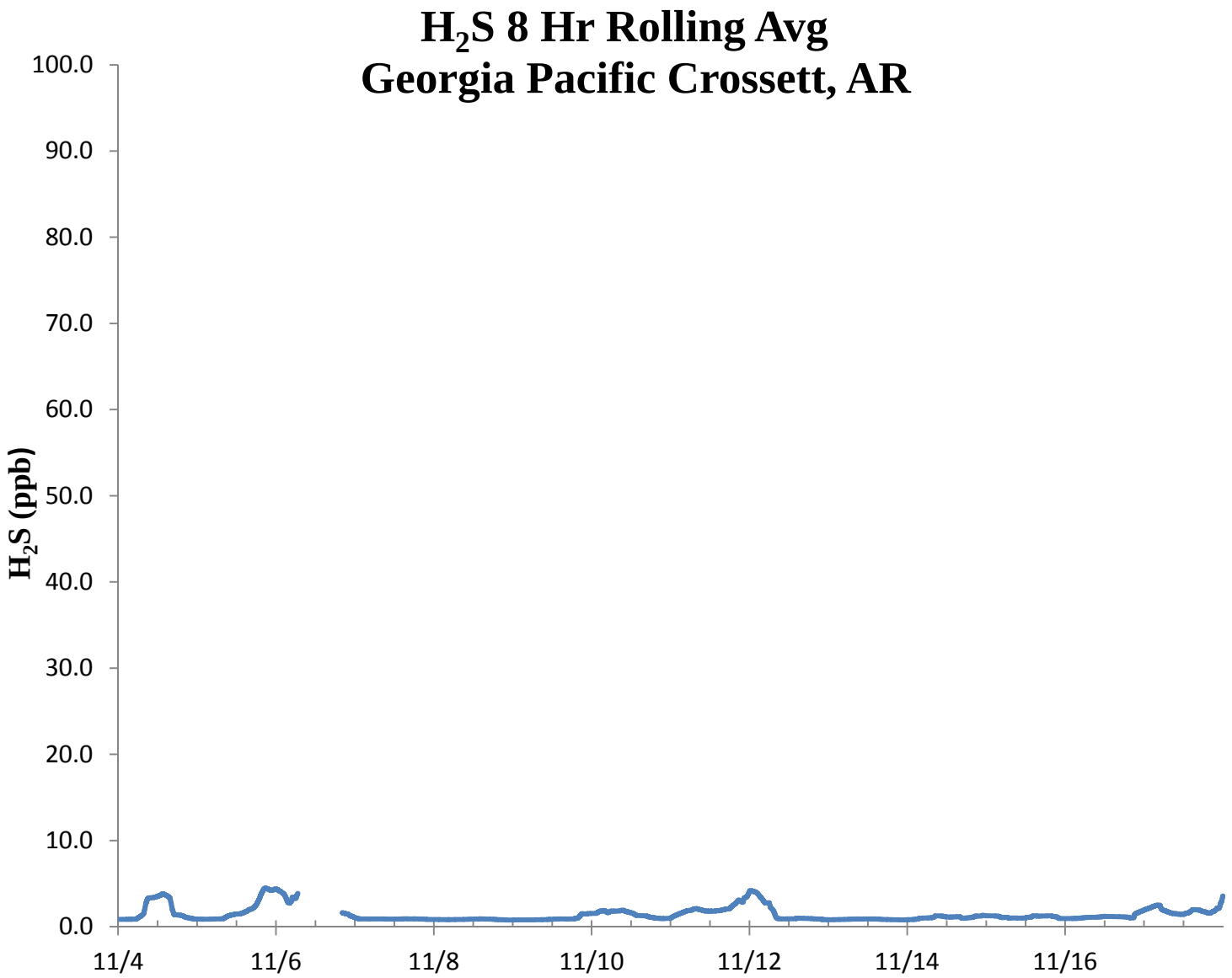
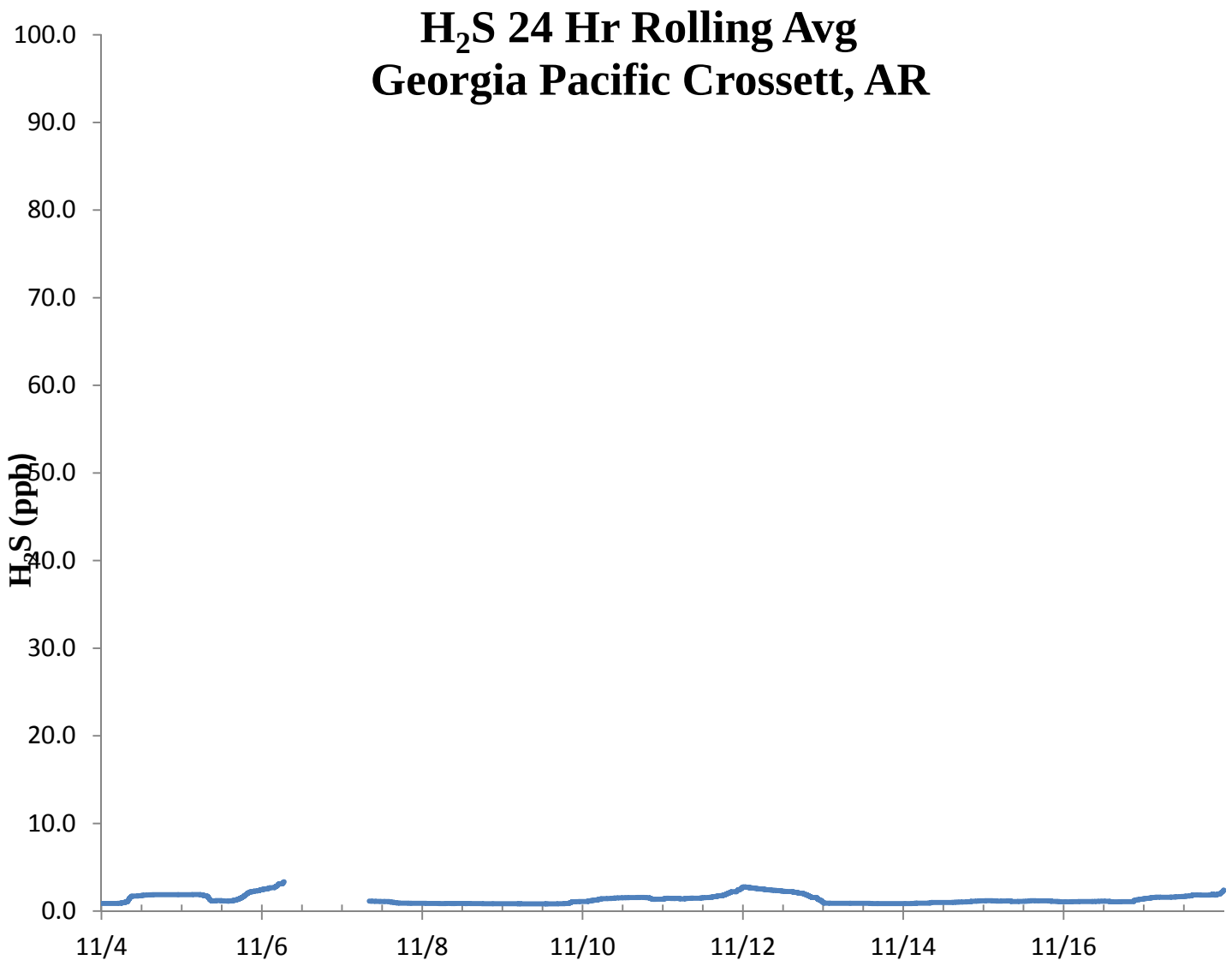
CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us
Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

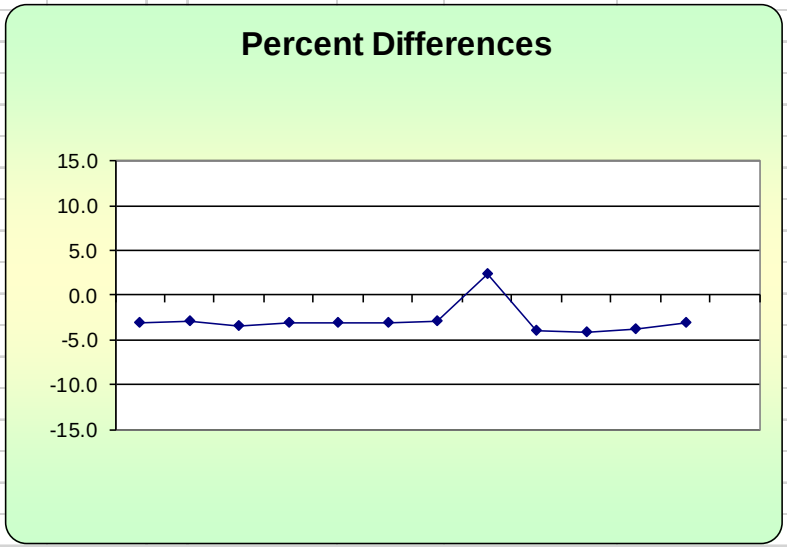

H2S 30 Min Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
11/4
11/6
11/8
11/10
11/12
11/14
11/16


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
11/4
11/6
11/8
11/10
11/12
11/14
11/16

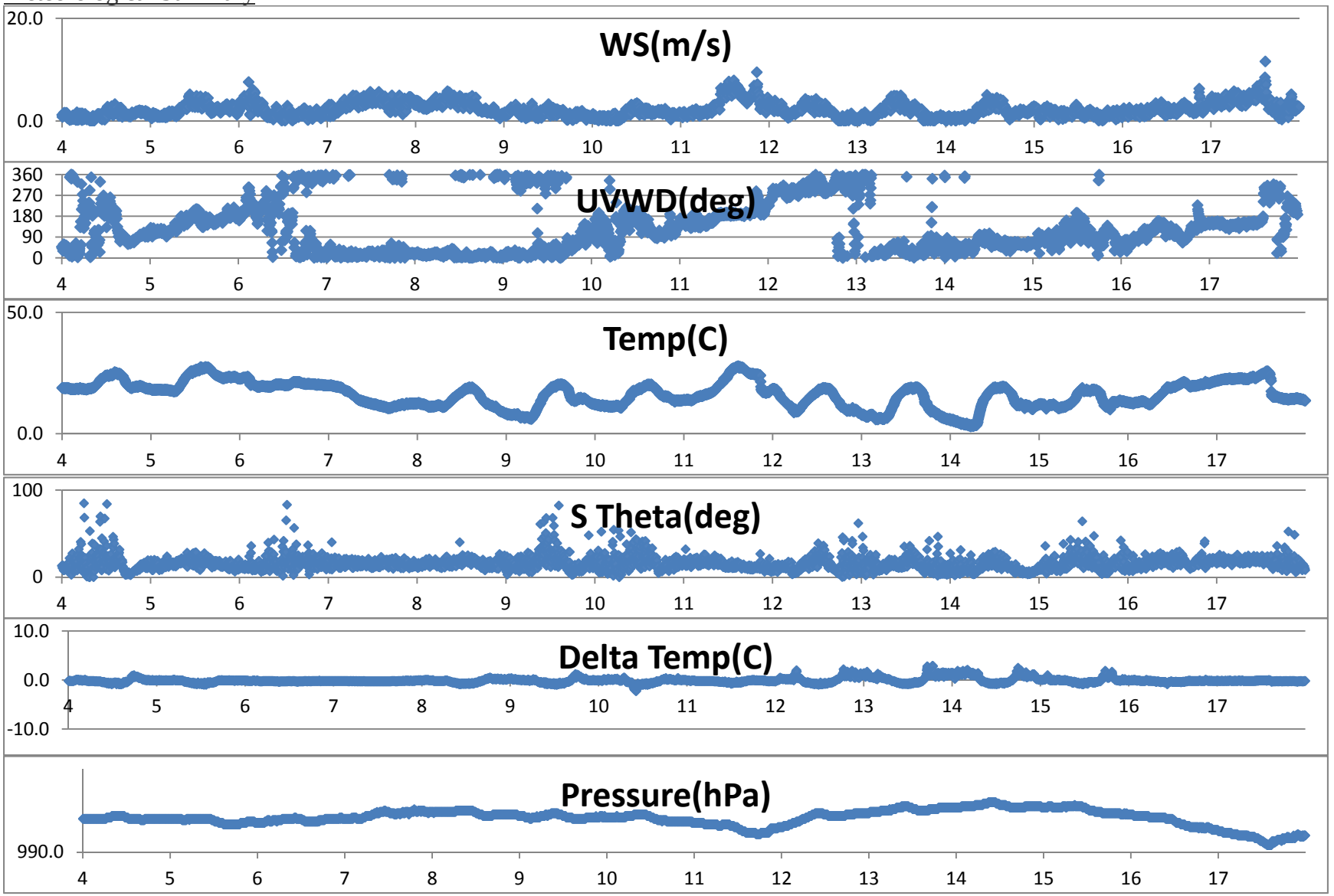

H2S 24 Hr Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
11/4
11/6
11/8
11/10
11/12
11/14
11/16

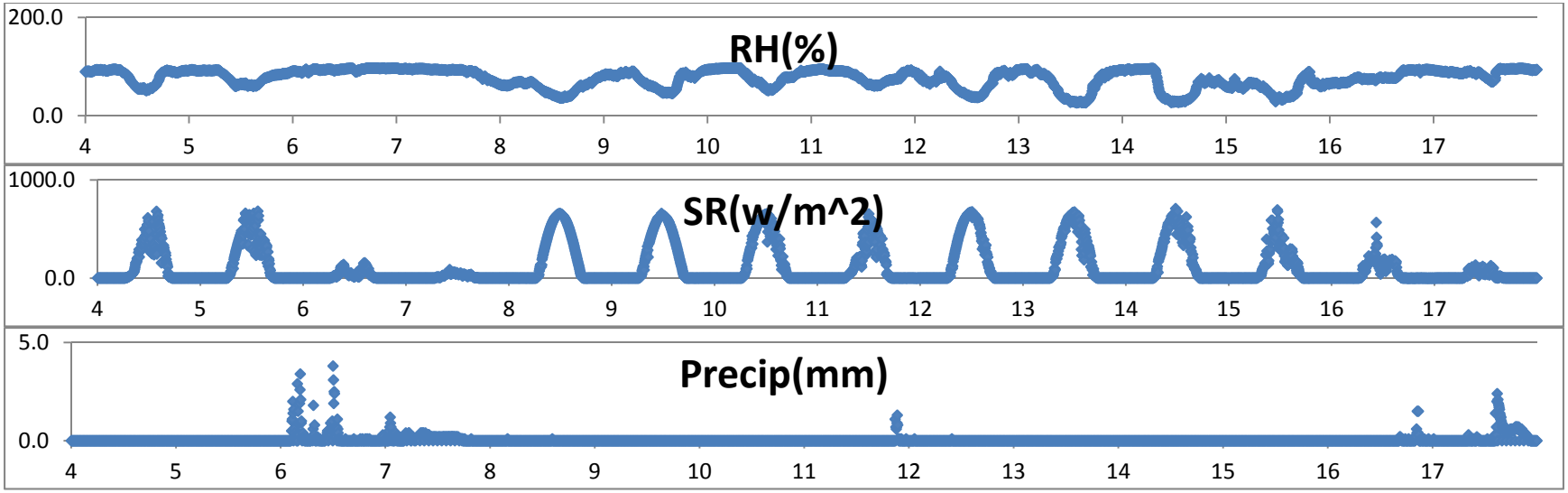
H_2S Assessment

GP - Crossett, AR			Constituent type: H_2S						CV_{ub} (%)			Bias (%)	
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d^2	|d|	$\|d\|^2$						
11/4/2015 13:00	67.8	70.0	-3.1	-3.536	9.878	3.143	9.878						
11/5/2015 13:00	68.0	70.0	-2.9	75th Percentile	8.163	2.857	8.163	n	S_d	S_{d2}	$\sum\|d\|$	"AB" (Eqn 4)	
11/7/2015 13:00	67.6	70.0	-3.4	-2.964	11.755	3.429	11.755	12	1.719	3.465	39.000	3.250	
11/8/2015 13:00	67.8	70.0	-3.1		9.878	3.143	9.878	n-1	$\sum d$	$\sum d^2$	$\sum\|d\|^2$	"AS" (Eqn 5)	
11/9/2015 13:00	67.9	70.0	-3.0		9.000	3.000	9.000	11	-34.143	129.653	129.653	0.514	
11/10/2015 13:00	67.9	70.0	-3.0		9.000	3.000	9.000						
11/11/2015 13:00	68.0	70.0	-2.9		8.163	2.857	8.163				Bias (%) (Eqn 3)	Both Signs Positive	
11/12/2015 13:00	71.7	70.0	2.4		5.898	2.429	5.898				3.52	FALSE	
11/13/2015 13:00	67.2	70.0	-4.0		16.000	4.000	16.000	CV (%) (Eqn 2)			Signed Bias (%)	Both Signs Negative	
11/14/2015 13:00	67.1	70.0	-4.1		17.163	4.143	17.163	2.41			-3.52	TRUE	
11/15/2015 13:00	67.3	70.0	-3.9		14.878	3.857	14.878						
11/16/2015 13:00	67.8	70.0	-3.1		9.878	3.143	9.878	Upper Probability Limit			Lower Probability Limit		
								0.52			-6.21		



Meteorological Summary




RH(%)
200.0
0.0
4
5
6
7
8
9
10
11
12
13
14
15
16
17
SR(w/m^2)
1000.0
0.0
Precip(mm)
5.0
0.0