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November 9, 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 October 21st through November 3rd.

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 were no occurences of data loss during this two week period, other than those resulting from automated daily 1-point QC and weekly calibration checks. Due to a PC failure on October 29th, an automated calibration check was not performed on this day. 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,

Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

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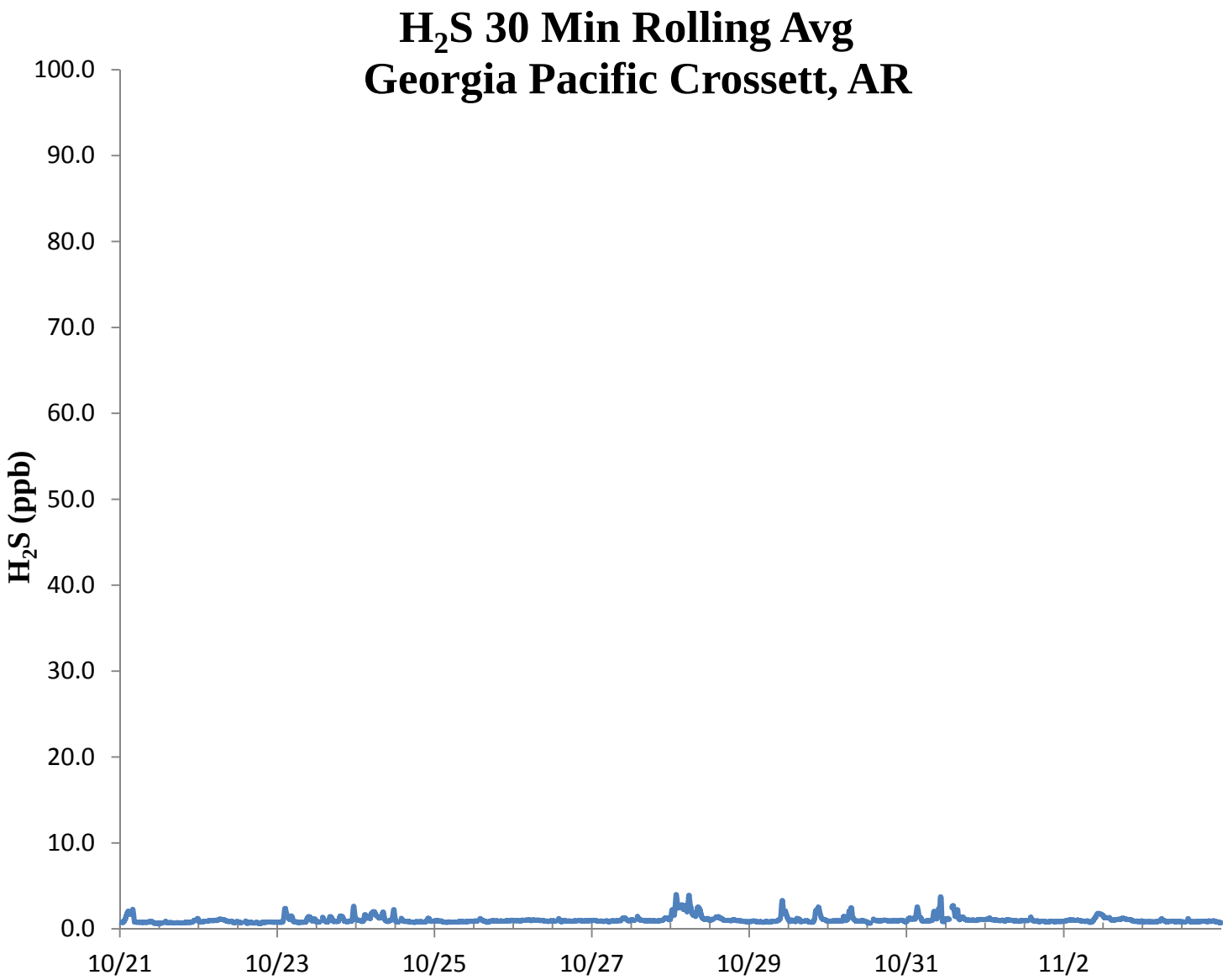
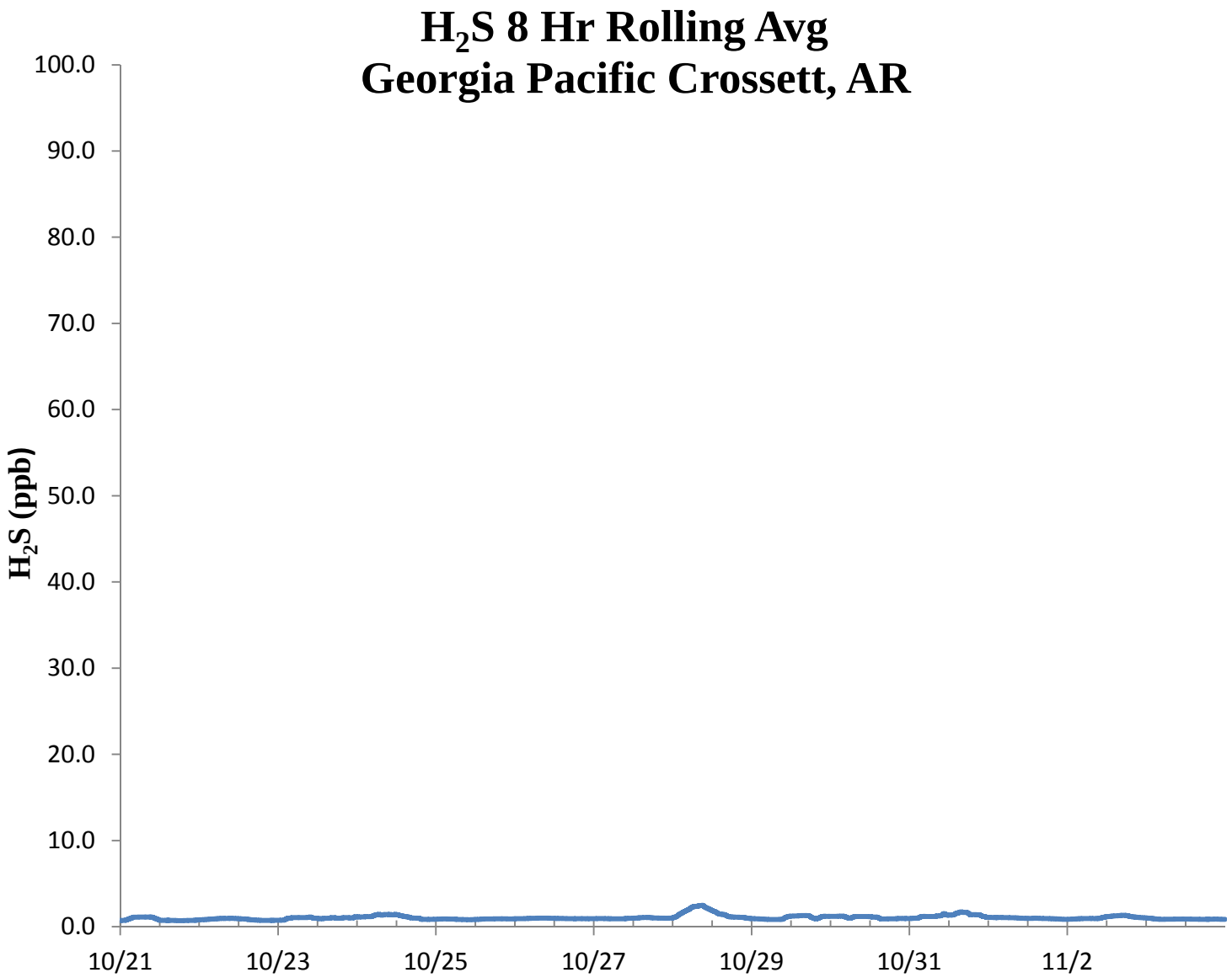
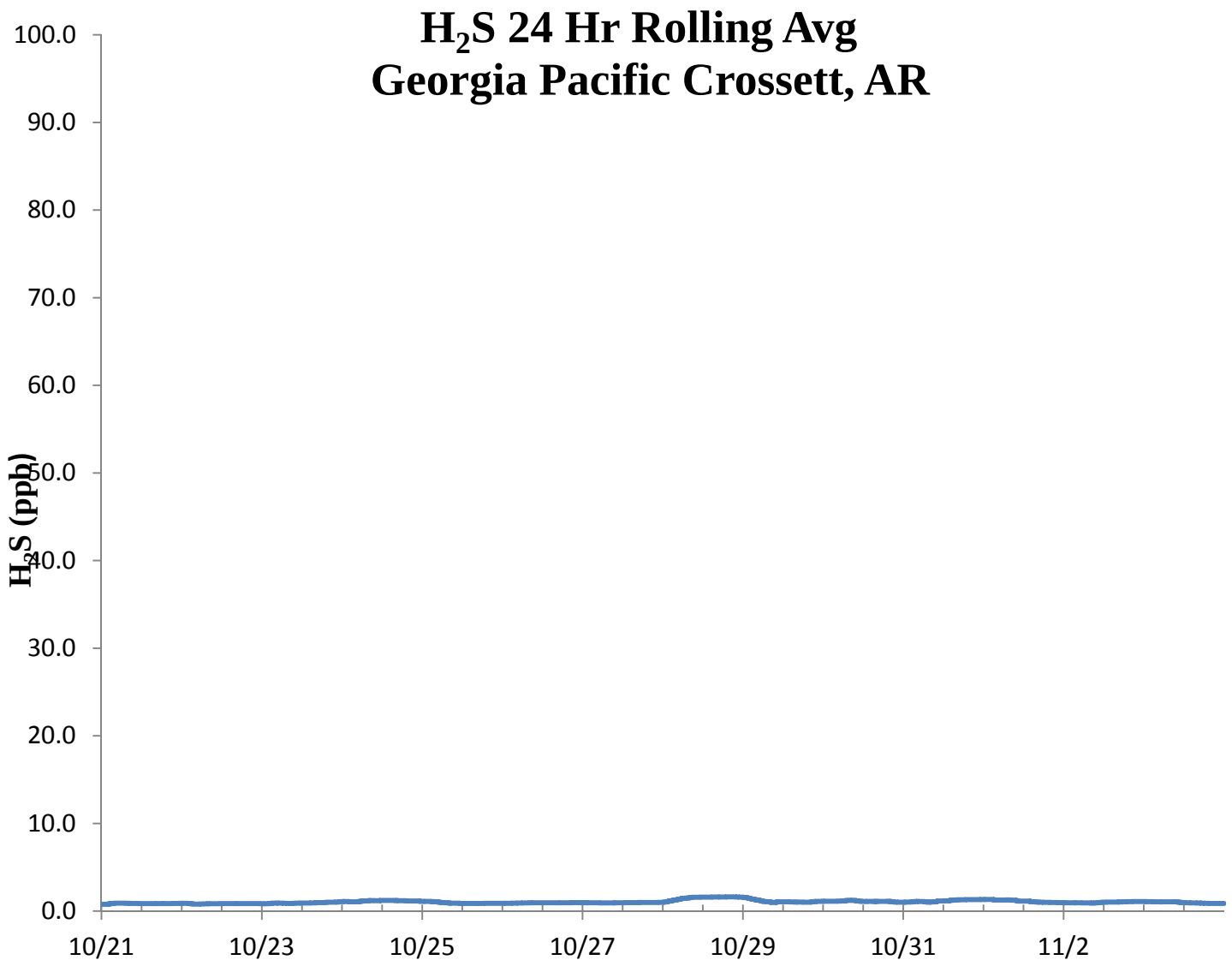
CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us
Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

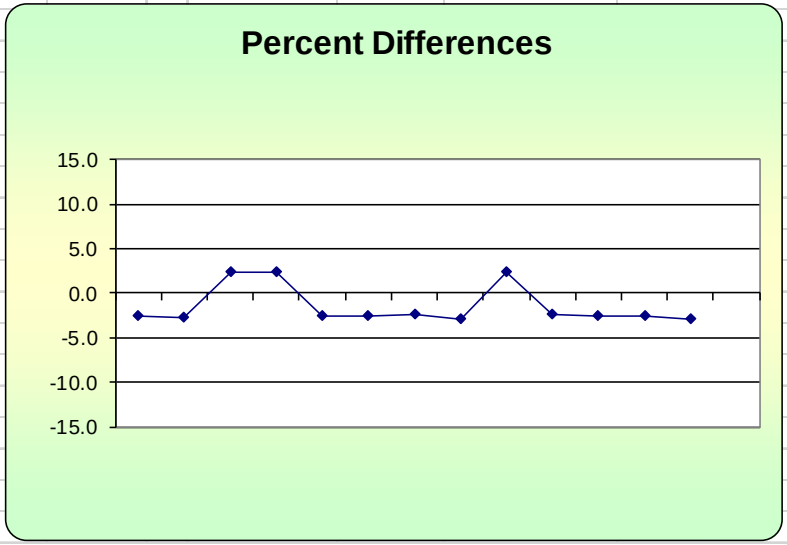

H2S 30 Min Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10/21
10/23
10/25
10/27
10/29
10/31
11/2


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
10/21
10/23
10/25
10/27
10/29
10/31
11/2

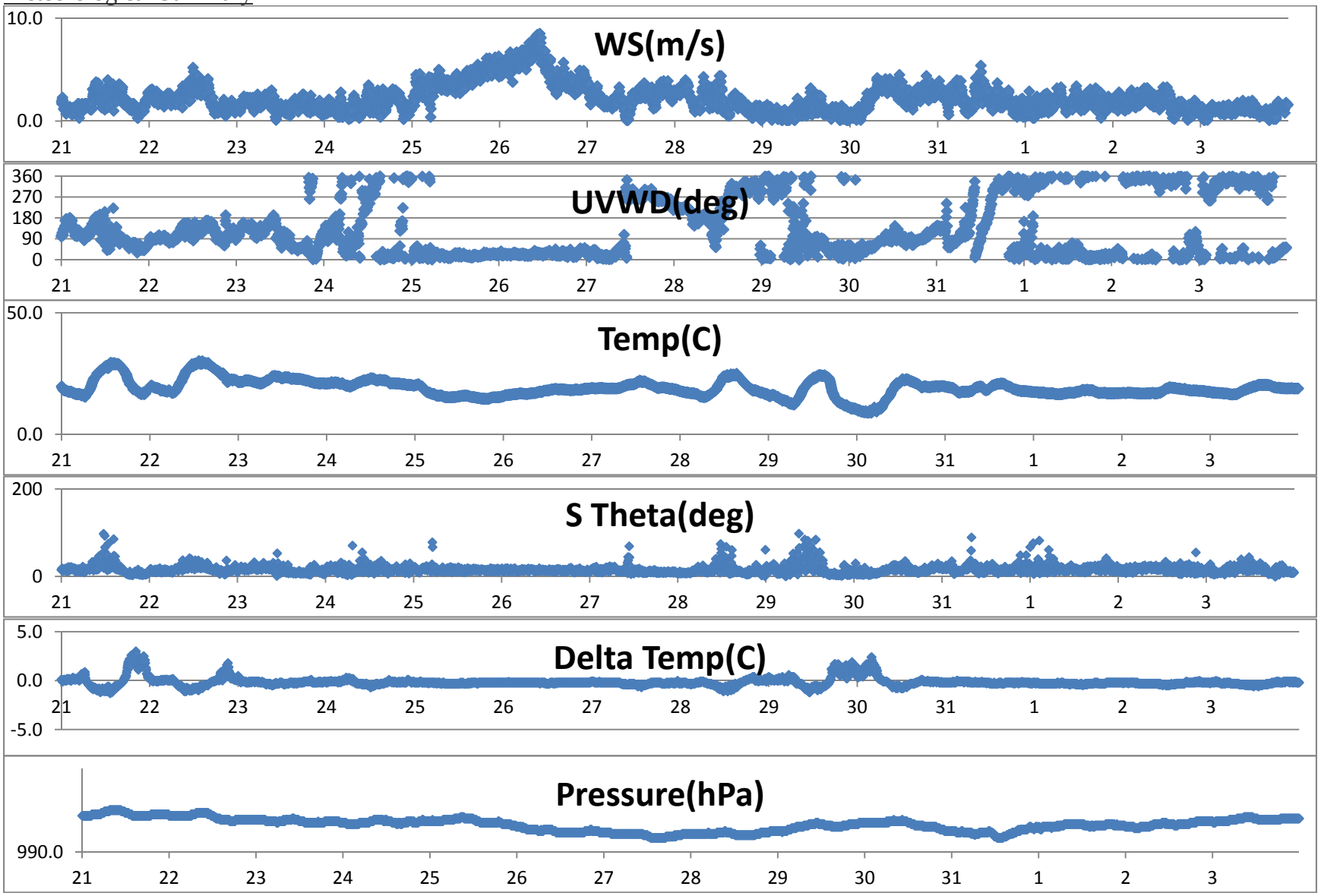

H2S 24 Hr Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10/21
10/23
10/25
10/27
10/29
10/31
11/2

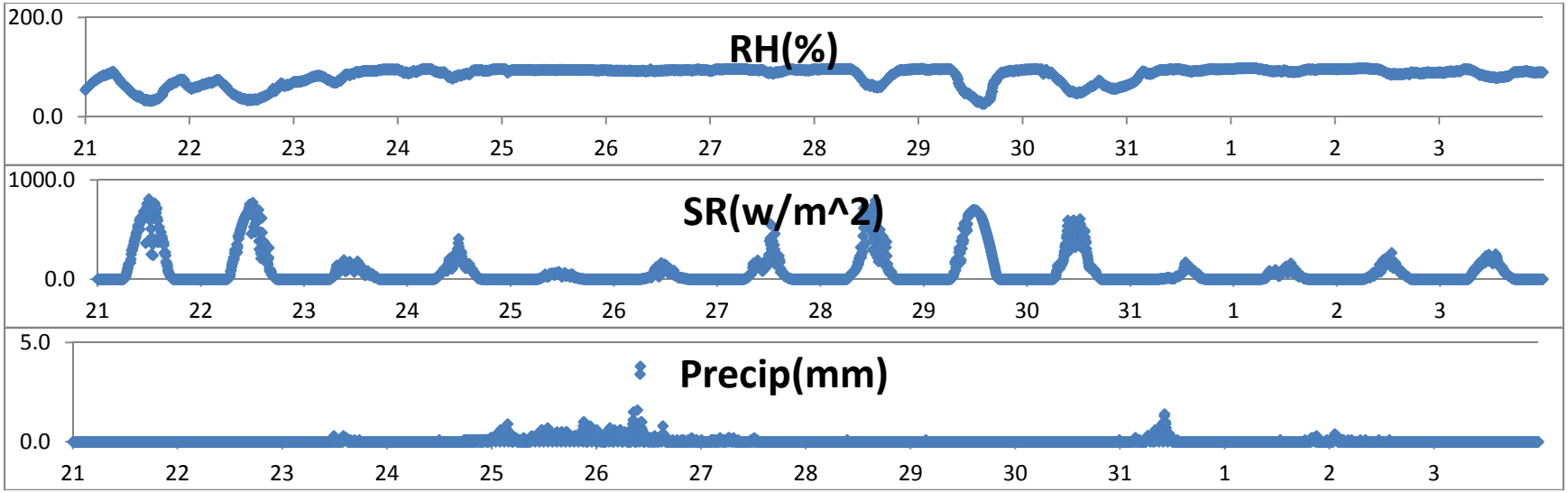
H_2S Assessment

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|	$\|d\|^2$				
10/21/2015 13:00	68.2	70.0	-2.6	-2.571	6.612	2.571	6.612				
10/22/2015 13:00	68.1	70.0	-2.7	75th Percentile	7.367	2.714	7.367	n	S_d	S_{d2}	$\Sigma\|d\|$	"AB" (Eqn 4)
10/23/2015 13:00	71.7	70.0	2.4	-2.429	5.898	2.429	5.898	13	2.195	0.882	33.286	2.560
10/24/2015 13:00	71.6	70.0	2.3		5.224	2.286	5.224	n-1	Σd	Σd^2	$\Sigma\|d\|^2$	"AS" (Eqn 5)
10/25/2015 13:00	68.2	70.0	-2.6		6.612	2.571	6.612	12	-19.000	85.571	85.571	0.170
10/26/2015 13:00	68.2	70.0	-2.6		6.612	2.571	6.612					
10/27/2015 13:00	68.3	70.0	-2.4		5.898	2.429	5.898				Bias (%) (Eqn 3)	Both Signs Positive
10/28/2015 13:00	68.0	70.0	-2.9		8.163	2.857	8.163				2.64	FALSE
10/30/2015 13:00	71.7	70.0	2.4		5.898	2.429	5.898	CV (%) (Eqn 2)			Signed Bias (%)	Both Signs Negative
10/31/2015 13:00	68.3	70.0	-2.4		5.898	2.429	5.898	3.03			-2.64	TRUE
11/1/2015 13:00	68.2	70.0	-2.6		6.612	2.571	6.612					
11/2/2015 13:00	68.2	70.0	-2.6		6.612	2.571	6.612	Upper Probability Limit			Lower Probability Limit	
11/3/2015 13:00	68.0	70.0	-2.9		8.163	2.857	8.163	2.84			-5.76	



Meteorological Summary




200.0
RH(%)
0.0
21 22 23 24 25 26 27 28 29 30 31 1 2 3
1000.0
SR(w/m^2)
0.0
21 22 23 24 25 26 27 28 29 30 31 1 2 3
5.0
Precip(mm)
0.0
21 22 23 24 25 26 27 28 29 30 31 1 2 3