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March 10, 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 eleventh 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 18th through March 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 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 March 2nd manual calibration checks were performed resulting in a loss of approximately 2½ hours of data. The site PC experienced a failure that took it out of service from February 24th through February 27th, data from the H_2S monitor was recovered and loaded into the central database. As a result of the PC failure, automated daily 1-point QC checks were not performed on those days. 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

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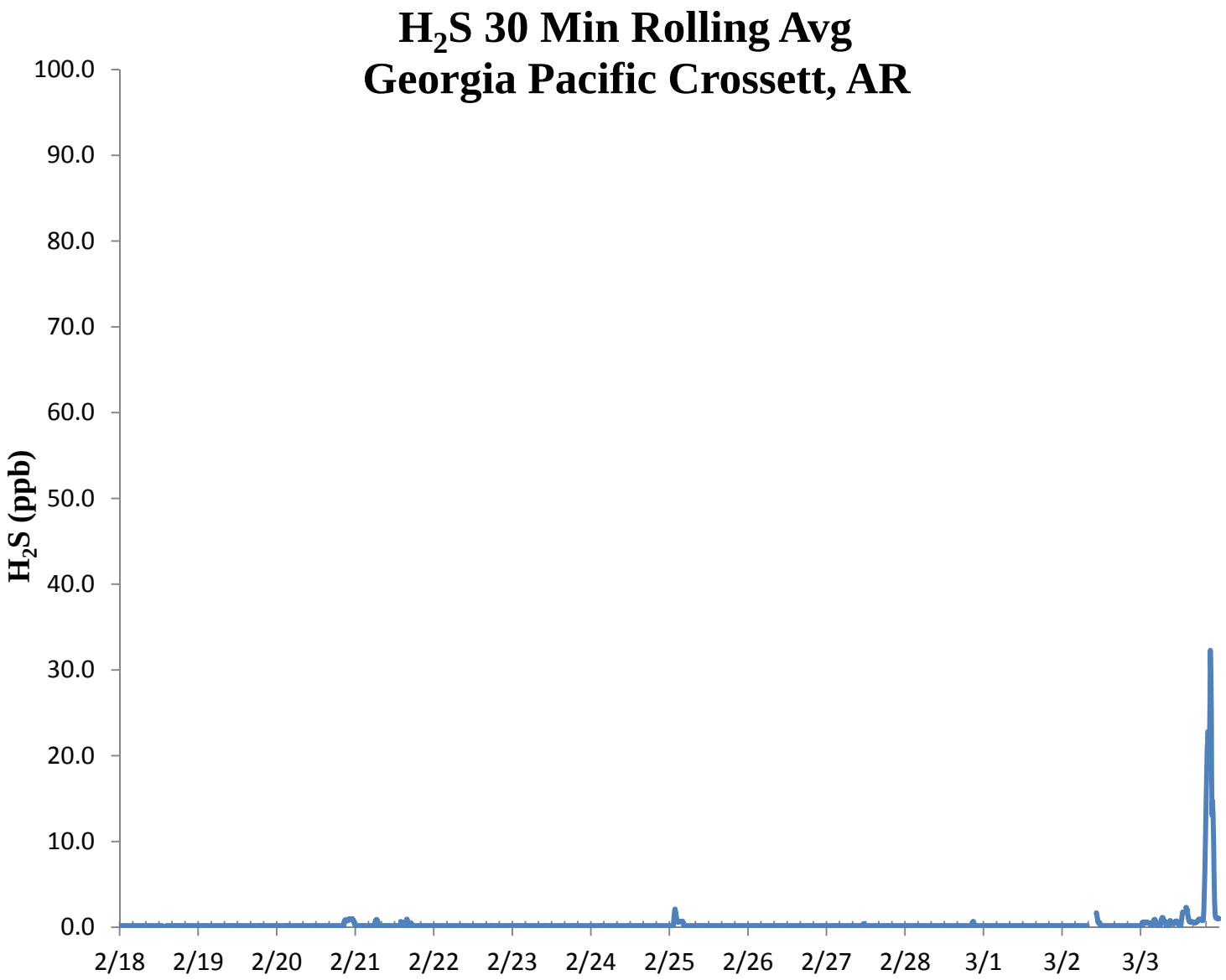
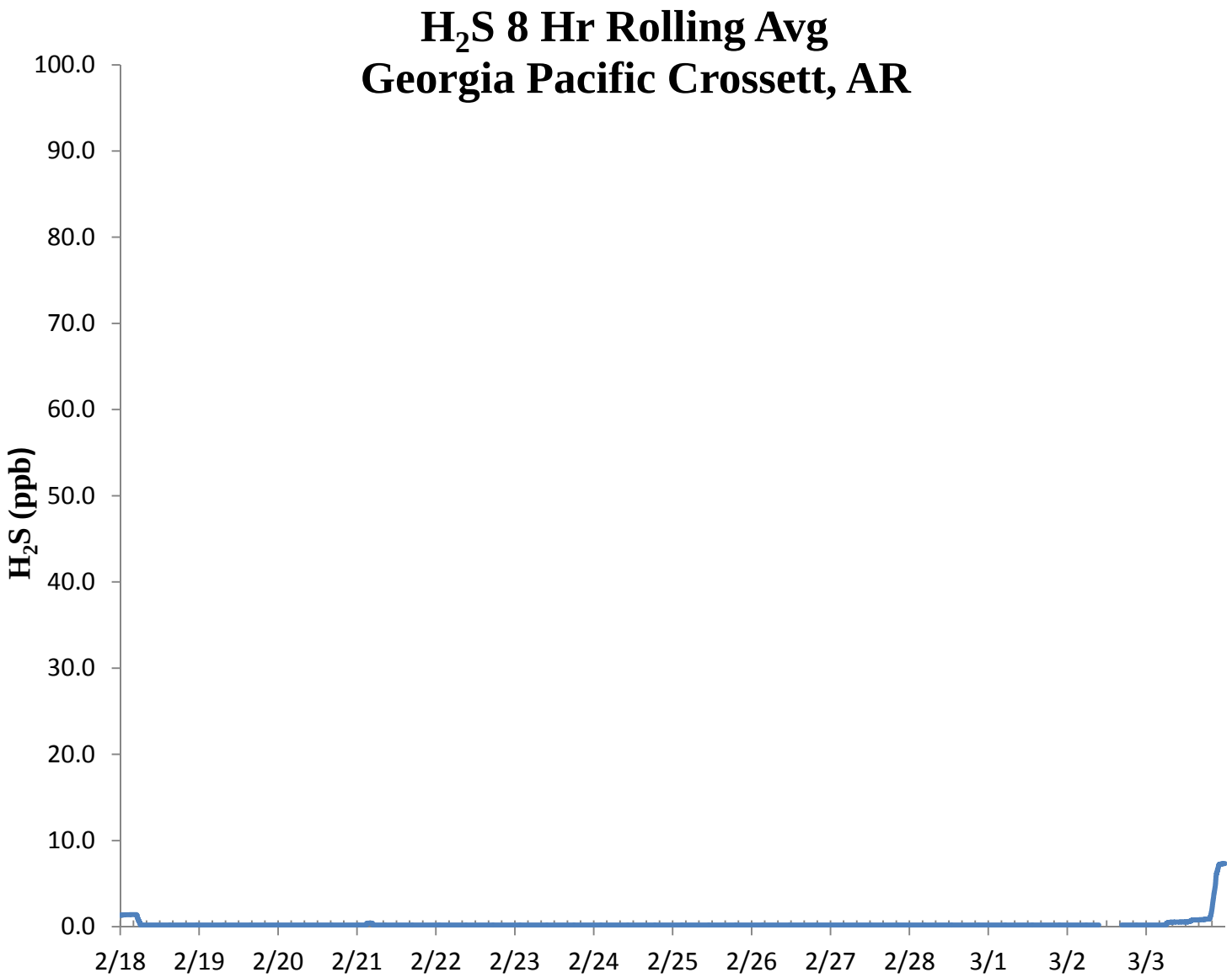
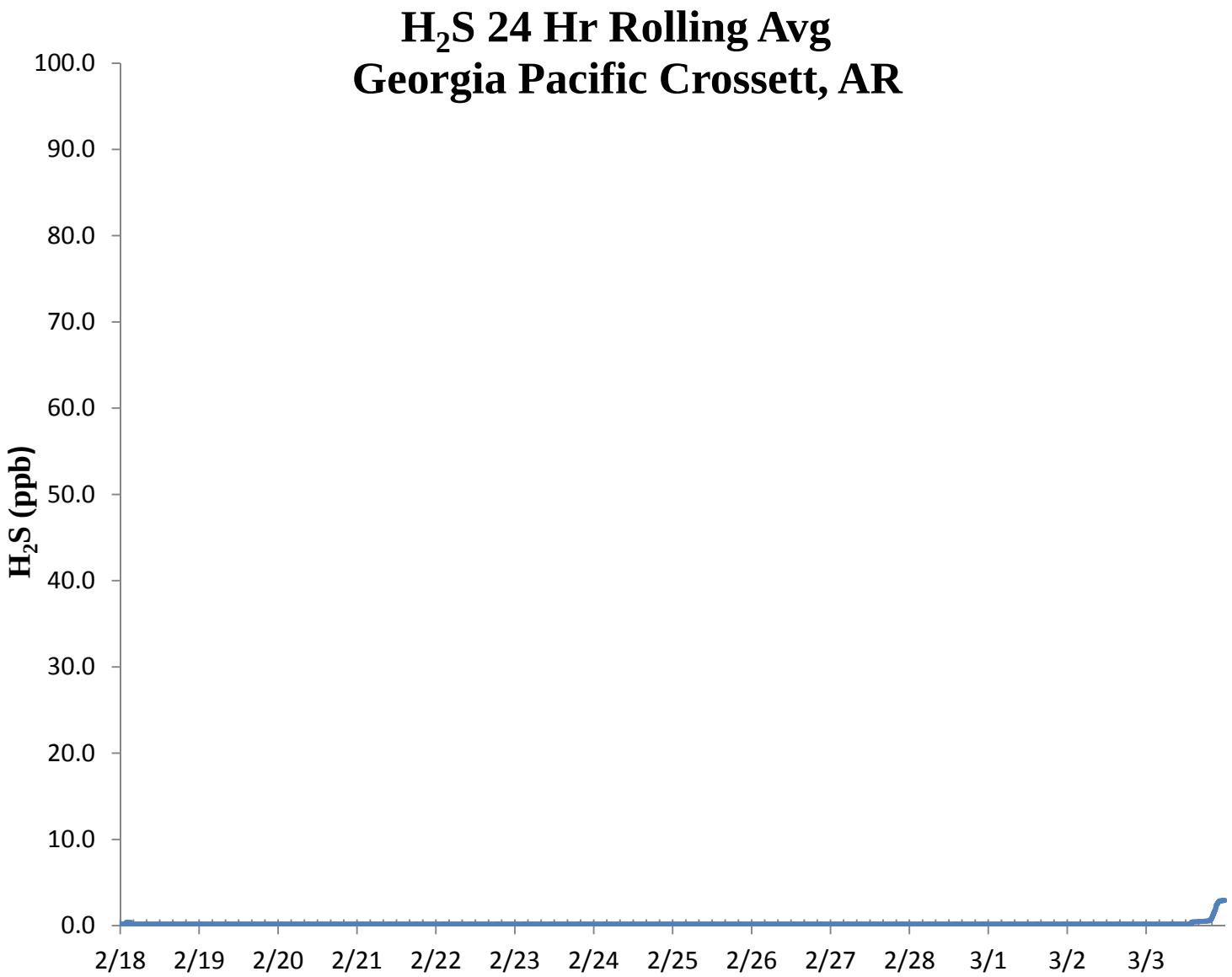
CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us
Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov


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
2/18
2/19
2/20
2/21
2/22
2/23
2/24
2/25
2/26
2/27
2/28
3/1
3/2
3/3

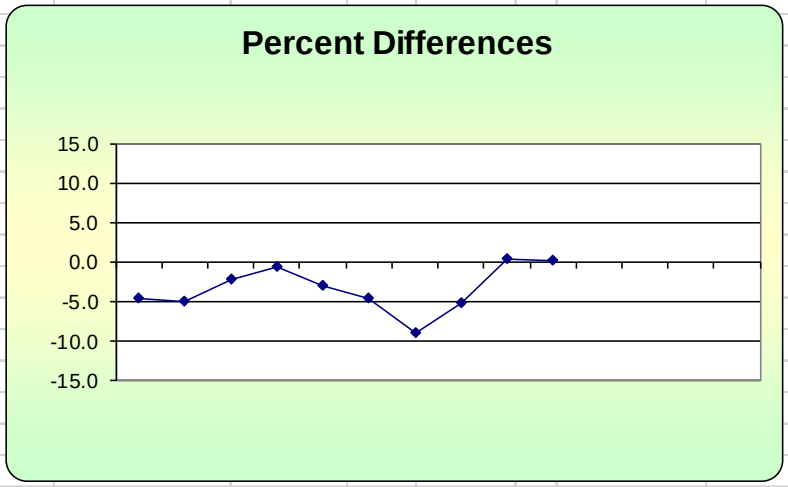

H2S 8 Hr Rolling Avg
Georgia Pacific Crossett, AR
H2S (ppb)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
2/18
2/19
2/20
2/21
2/22
2/23
2/24
2/25
2/26
2/27
2/28
3/1
3/2
3/3


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
2/18
2/19
2/20
2/21
2/22
2/23
2/24
2/25
2/26
2/27
2/28
3/1
3/2
3/3

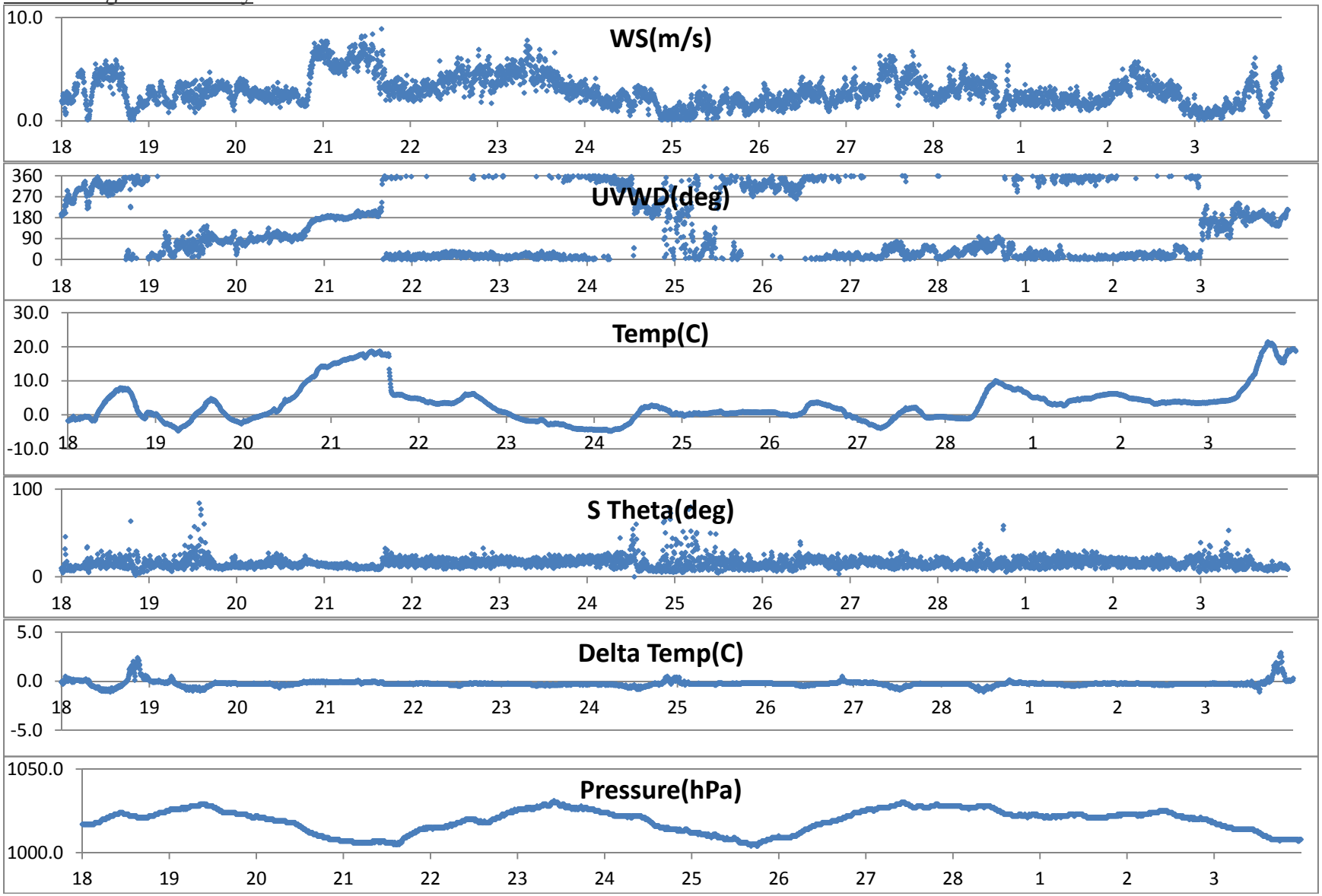
H_2S Assessment

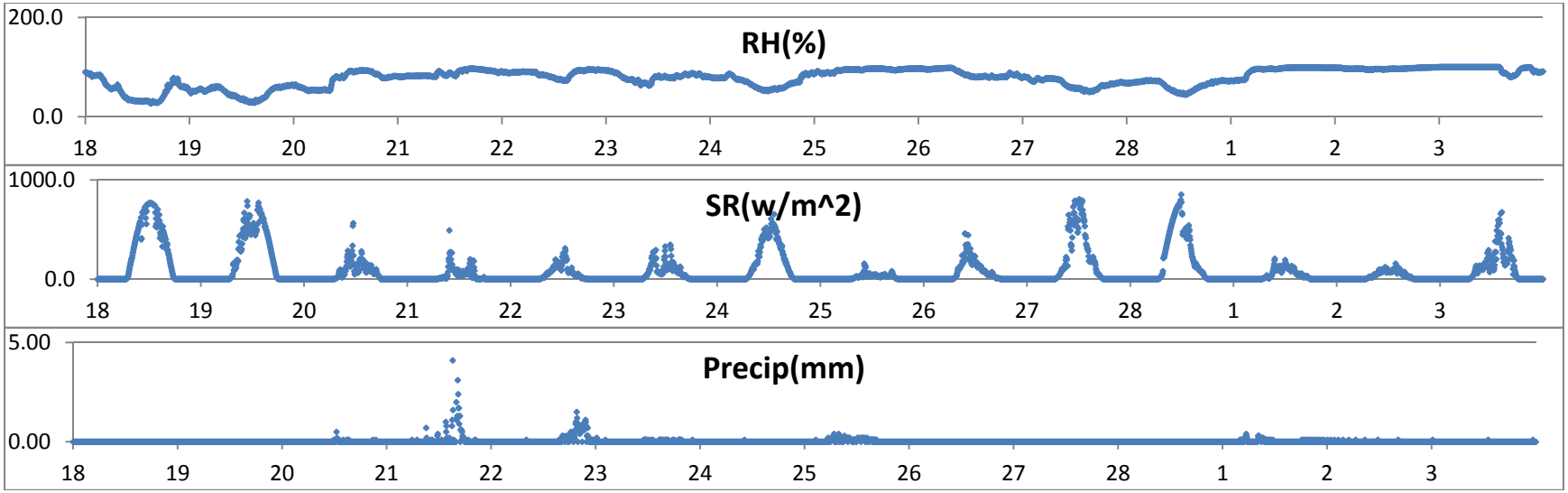
GP - Crossett, AR			Pollutant type: H_2S					CV_{ub} (%)			Bias (%)	
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d^2	|d|	$\|d\|^2$					
2/18/2015 13:00	66.8	70.0	-4.6	-4.893	20.898	4.571	20.898					
2/19/2015 13:00	66.5	70.0	-5.0	75th Percentile	25.000	5.000	25.000	n	S_d	S_{d2}	$\sum\|d\|$	"AB" (Eqn 4)
2/20/2015 13:00	68.4	70.0	-2.3	-1.000	5.224	2.286	5.224	10	2.891	24.265	34.571	3.457
2/21/2015 13:00	69.6	70.0	-0.6		0.327	0.571	0.327	n-1	$\sum d$	$\sum d^2$	$\sum\|d\|^2$	"AS" (Eqn 5)
2/22/2015 13:00	67.9	70.0	-3.0		9.000	3.000	9.000	9	-33.714	188.898	188.898	2.776
2/23/2015 13:00	66.8	70.0	-4.6		20.898	4.571	20.898					
2/28/2015 13:00	63.7	70.0	-9.0		81.000	9.000	81.000				Bias (%) (Eqn 3)	Both Signs Positive
3/1/2015 13:00	66.4	70.0	-5.1		26.449	5.143	26.449				5.07	FALSE
3/2/2015 13:00	70.2	70.0	0.3		0.082	0.286	0.082	CV (%) (Eqn 2)			Signed Bias (%)	Both Signs Negative
3/3/2015 13:00	70.1	70.0	0.1		0.020	0.143	0.020	4.25			-5.07	TRUE

Upper Probability Limit	Lower Probability Limit
2.3	-9.04



Meteorological Summary




200.0
RH(%)
0.0
18 19 20 21 22 23 24 25 26 27 28 1 2 3
1000.0
SR(w/m^2)
0.0
18 19 20 21 22 23 24 25 26 27 28 1 2 3
5.00
Precip(mm)
0.00
18 19 20 21 22 23 24 25 26 27 28 1 2 3