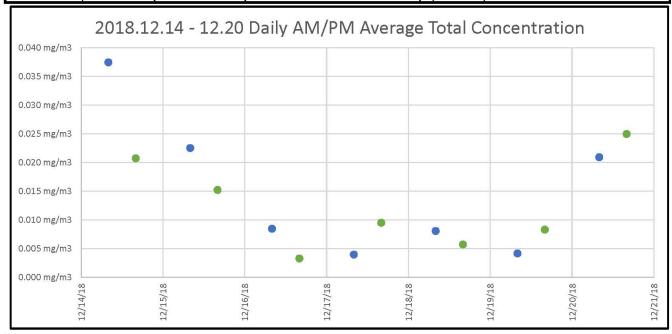
Figure 16 WP 009A Launch Ramp Parking Daily Dust Average (mg/m³) 12/14-12/20

Dustrak DRX

L.R. Parking

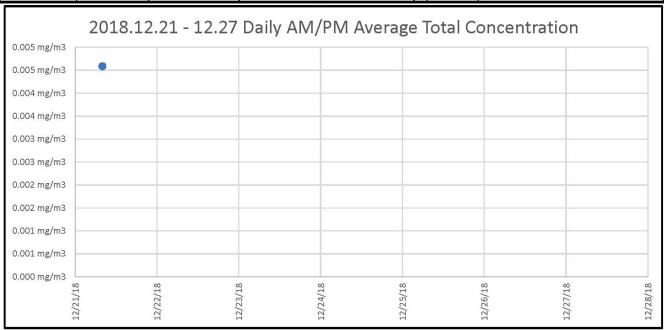
WP 009A Launch Ramp Parking **INSTRUMENT DATA PROPERTIES** 12/14/18 6:00 AM **GPS Coordinates:** Location: Model: Instrument S/N: **Episode Start:** 12/21/18 5:59 AM 8533173905 39° 32′ 47.34″N, 121° 29′ 33.10″W Episode Stop:



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.037	0.023	0.008	0.004	0.008	0.004	0.021
Night Shift	0.021	0.015	0.003	0.009	0.006	0.008	0.025

Figure 17 WP 009A Launch Ramp Parking Daily Dust Average (mg/m³) 12/21

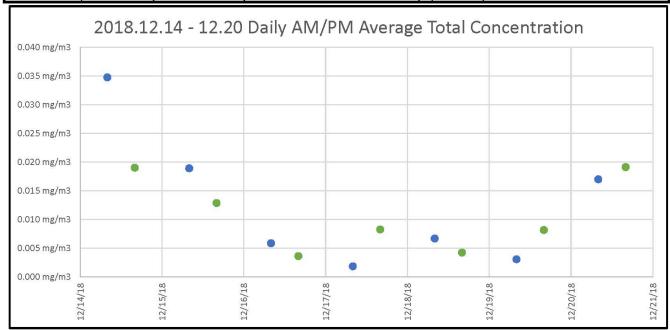




	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.005	No Data					
Night Shift	No Data						

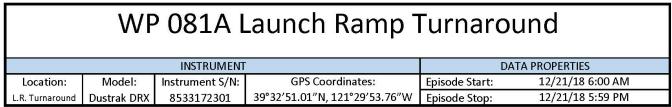
Figure 18 WP 081A Launch Ramp Turnaround Daily Dust Average (mg/m³) 12/14-12/20

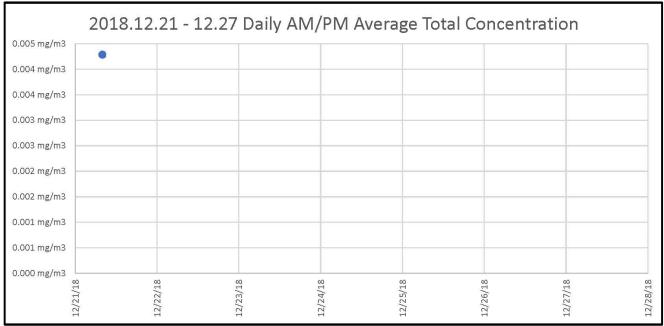
WP 081A Launch Ramp Turnaround INSTRUMENT DATA PROPERTIES Location: Model: Instrument S/N: GPS Coordinates: Episode Start: 12/14/18 6:00 AM L.R. Turnaround Dustrak DRX 8533172301 39°32′51.01″N, 121°29′53.76″W Episode Stop: 12/21/18 5:59 AM



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.035	0.019	0.006	0.002	0.007	0.003	0.017
Night Shift	0.019	0.013	0.004	0.008	0.004	0.008	0.019

Figure 19 WP 081A Launch Ramp Turnaround Daily Dust Average (mg/m³) 12/21

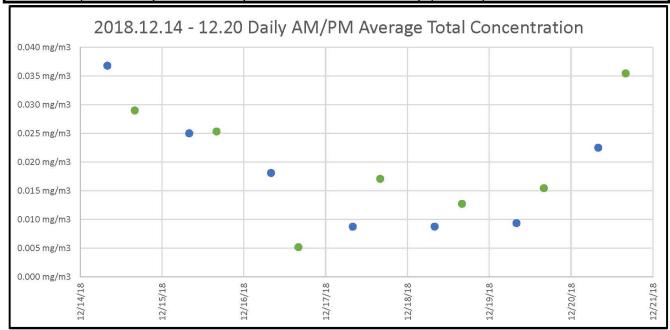




	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.004	No Data					
Night Shift	No Data						

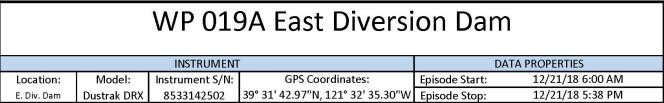
Figure 20 WP 019A East Diversion Dam Daily Dust Average (mg/m³) 12/14-12/20

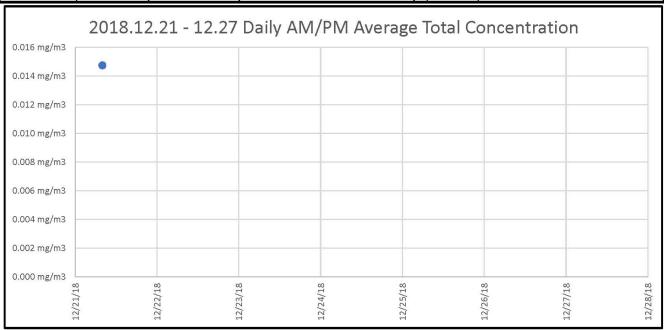
WP 019A East Diversion Dam INSTRUMENT Location: Model: Instrument S/N: GPS Coordinates: Episode Start: 12/14/18 6:00 AM E. Div. Dam Dustrak DRX 8533142502 39° 31′ 42.97″N, 121° 32′ 35.30″W Episode Stop: 12/21/18 5:59 AM



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.037	0.025	0.018	0.009	0.009	0.009	0.023
Night Shift	0.029	0.025	0.005	0.017	0.013	0.015	0.035

Figure 21 WP 019A East Diversion Dam Daily Dust Average (mg/m³) 12/21

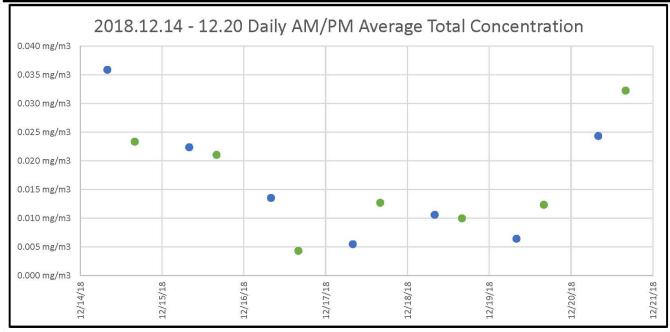




	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.015	No Data					
Night Shift	No Data						

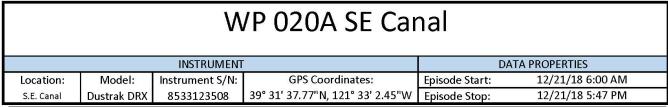
Figure 22 WP 020A S.E. Canal Daily Dust Average (mg/m³) 12/14-12/20

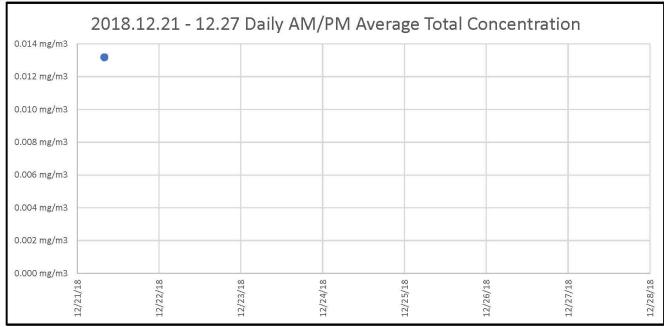
WP 020A SE Canal INSTRUMENT DATA PROPERTIES Location: Model: Instrument S/N: GPS Coordinates: Episode Start: 12/14/18 6:00 AM S.E. Canal Dustrak DRX 8533123508 39° 31′ 37.77″N, 121° 33′ 2.45″W Episode Stop: 12/21/18 5:59 AM



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.036	0.022	0.014	0.005	0.011	0.006	0.024
Night Shift	0.023	0.021	0.004	0.013	0.010	0.012	0.032

Figure 23 WP 020A S.E. Canal Daily Dust Average (mg/m³) 12/21

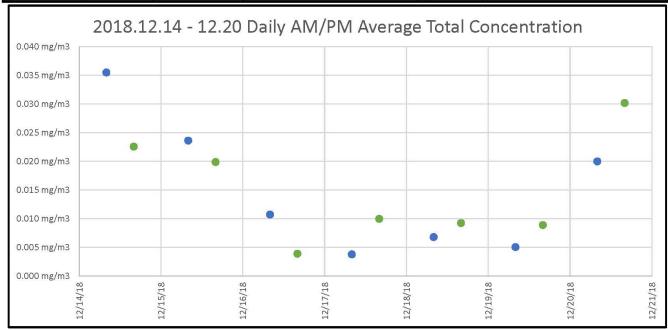




	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.013	No Data					
Night Shift	No Data						

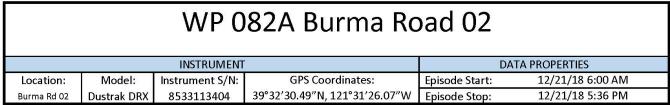
Figure 24 WP 082A Burma Road 02 Daily Dust Average (mg/m³) 12/14-12/20

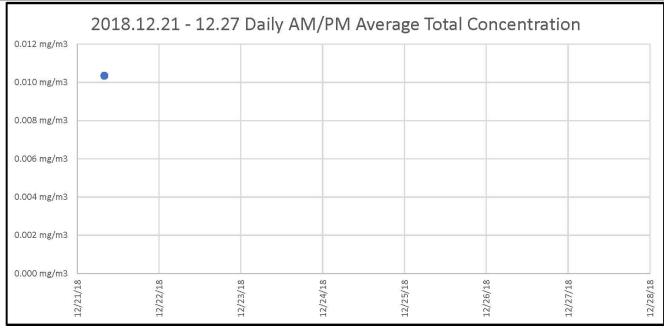
WP 082A Burma Road 02 INSTRUMENT DATA PROPERTIES Location: Model: Instrument S/N: GPS Coordinates: Episode Start: 12/14/18 6:00 AM Burma Rd 02 Dustrak DRX 8533113404 39°32′30.49″N, 121°31′26.07″W Episode Stop: 12/21/18 5:59 AM



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.036	0.024	0.011	0.004	0.007	0.005	0.020
Night Shift	0.023	0.020	0.004	0.010	0.009	0.009	0.030

Figure 25 WP 082A Burma Road 02 Daily Dust Average (mg/m³) 12/21

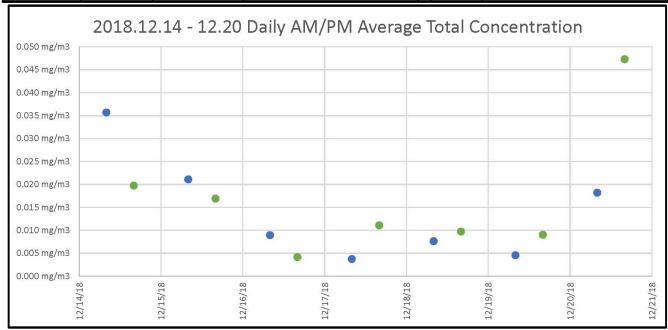




	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.010	No Data					
Night Shift	No Data						

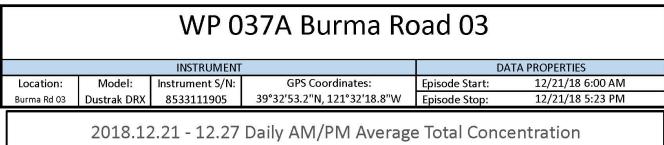
Figure 26 WP 037A Burma Road 03 Daily Dust Average (mg/m³) 12/14-12/20

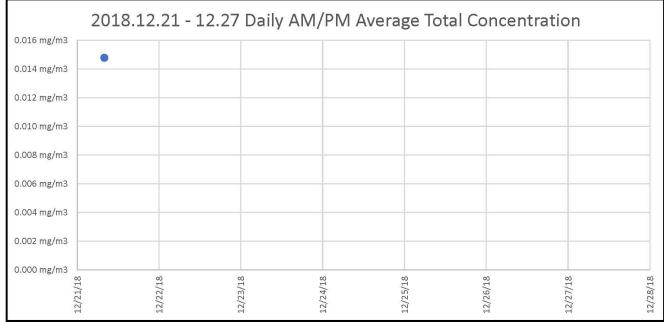
WP 037A Burma Road 03 INSTRUMENT DATA PROPERTIES Location: Model: Instrument S/N: GPS Coordinates: Episode Start: 12/14/18 6:00 AM Burma Rd 03 Dustrak DRX 8533111905 39°32'53.2"N, 121°32'18.8"W Episode Stop: 12/21/18 5:59 AM



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.036	0.021	0.009	0.004	0.008	0.005	0.018
Night Shift	0.020	0.017	0.004	0.011	0.010	0.009	0.047

Figure 27 WP 037A Burma Road 03 Daily Dust Average (mg/m³) 12/21





	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.015	No Data					
Night Shift	No Data						

Figure 28 WP 083A Dan Beebe Trail Daily Dust Average (mg/m³) 12/14-12/20

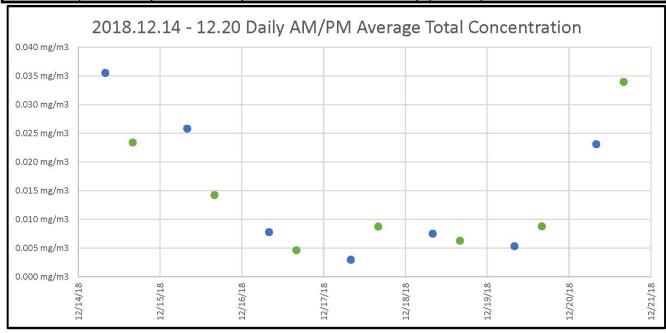
Dustrak DRX

Beebe Trail

8533103707

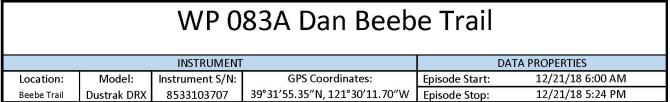
WP 083A Dan Beebe Trail INSTRUMENT DATA PROPERTIES Model: Instrument S/N: **GPS Coordinates: Episode Start:** 12/14/18 6:00 AM Location: 39°31′55.35″N, 121°30′11.70″W 12/21/18 5:59 AM

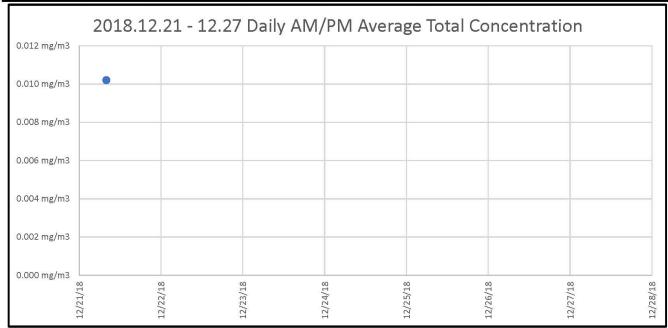
Episode Stop:



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.036	0.026	0.008	0.003	0.007	0.005	0.023
Night Shift	0.023	0.014	0.005	0.009	0.006	0.009	0.034

Figure 29 WP 083A Dan Beebe Trail Daily Dust Average (mg/m³) 12/21

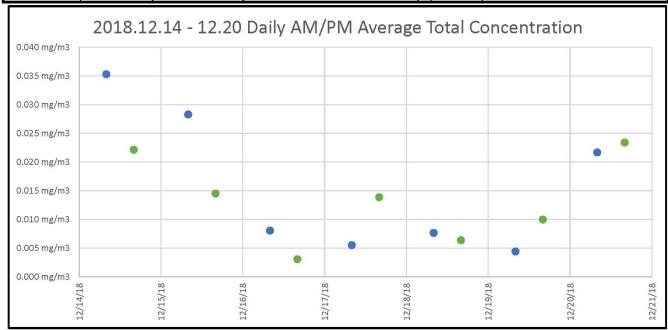




	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.010	No Data					
Night Shift	No Data						

Figure 30 WP 084A SE Upper Overlook Daily Dust Average (mg/m³) 12/14-12/20

WP 084A SE Upper Overlook INSTRUMENT Location: Model: Instrument S/N: GPS Coordinates: Episode Start: 12/14/18 6:00 AM S.E. Overlook Dustrak DRX 8533151202 39°31′49.72″N, 121°28′37.60″W Episode Stop: 12/21/18 5:59 AM



	12/14/18	12/15/18	12/16/18	12/17/18	12/18/18	12/19/18	12/20/18
Day Shift	0.035	0.028	0.008	0.006	0.008	0.004	0.022
Night Shift	0.022	0.014	0.003	0.014	0.006	0.010	0.023

Figure 31 WP 084A SE Upper Overlook Daily Dust Average (mg/m³) 12/21

WP 084A SE Upper Overlook INSTRUMENT DATA PROPERTIES Model: Instrument S/N: **GPS Coordinates:** Episode Start: 12/21/18 6:00 AM Location: 39°31′49.72″N, 121°28′37.60″W Episode Stop: 12/21/18 5:45 PM Dustrak DRX 8533151202 S.E. Overlook 2018.12.21 - 12.27 Daily AM/PM Average Total Concentration 0.006 mg/m3

0.005 mg/m3	•						
0.004 mg/m3							
0.003 mg/m3							
0.002 mg/m3							
0.001 mg/m3							
0.000 mg/m3 mg/s7/1/18	01/07/01	12/23/18	12/24/18	12/25/18	12/26/18	81/20/01	12/28/18

	12/21/18	12/22/18	12/23/18	12/24/18	12/25/18	12/26/18	12/27/18
Day Shift	0.005	No Data					
Night Shift	No Data						

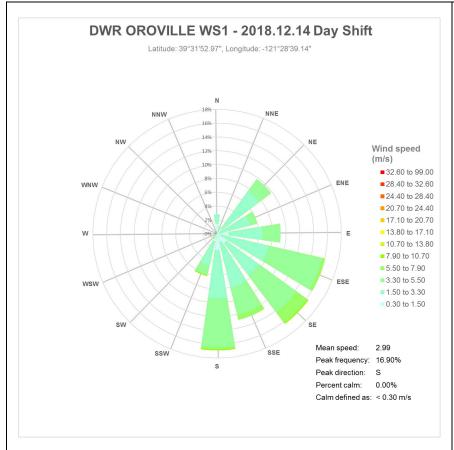
9.0 Meteorological Data & Daily Wind Rose

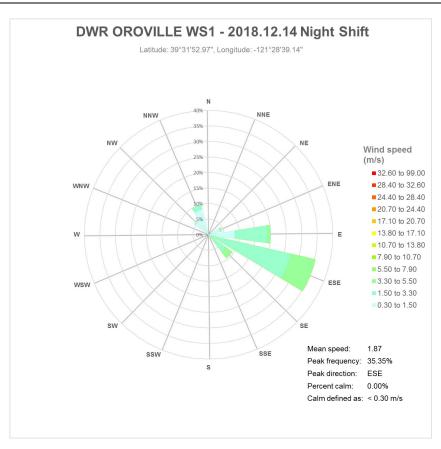
WS1 Weather Station is a Davis Instruments Vantage Pro2. This station is at WP045A 39°31′52.97″N, 121°28′39.14″W at the Upper Overlook area.

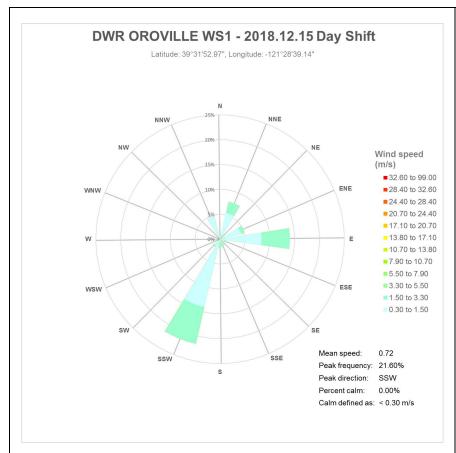
WS2 Weather Station is a Davis Instruments Vantage Pro2. This station was located at WP044A 39°31'47.96"N, 121°33'6.42"W S.W. Diversion Dam.

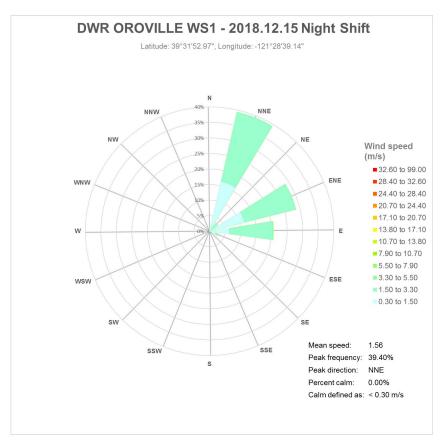
The standard Vantage Pro 2 station consists of three main components: the indoor console on which all the weather readings are displayed; the anemometer for measuring wind speed and direction; and an assembly known as the Integrated Sensor Suite (ISS for short) that contains all the other outside sensors, such as those for temperature, humidity, rainfall etc.

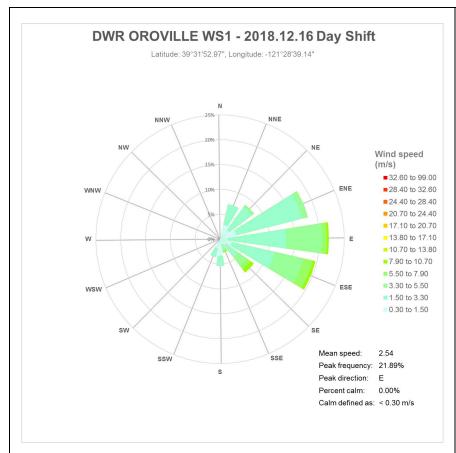
Figure 32 Wind Rose – Day & Night Shift Upper Overlook

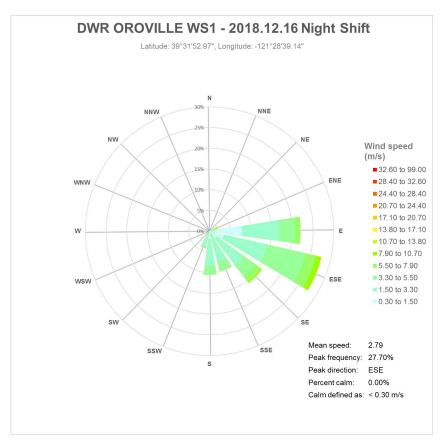


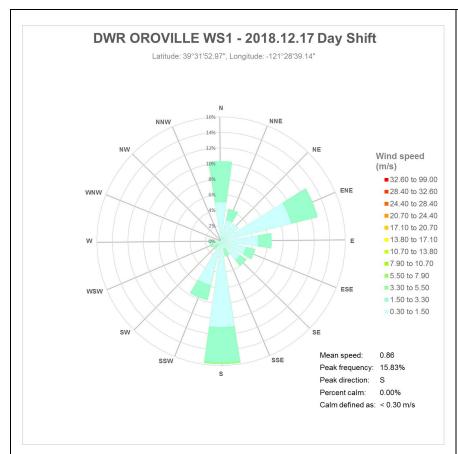


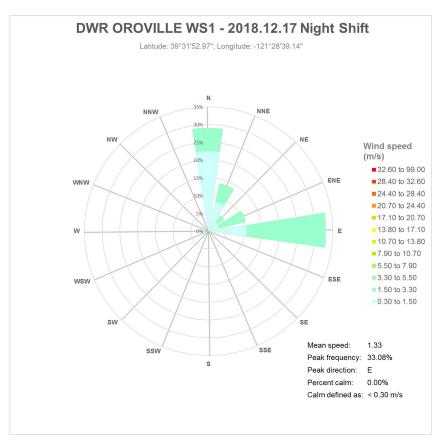


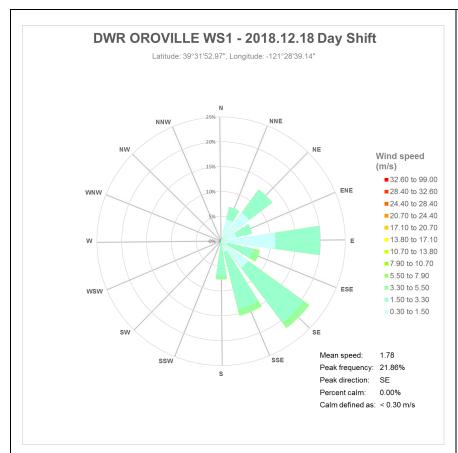


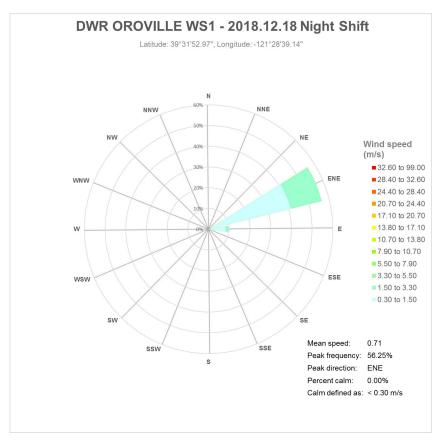


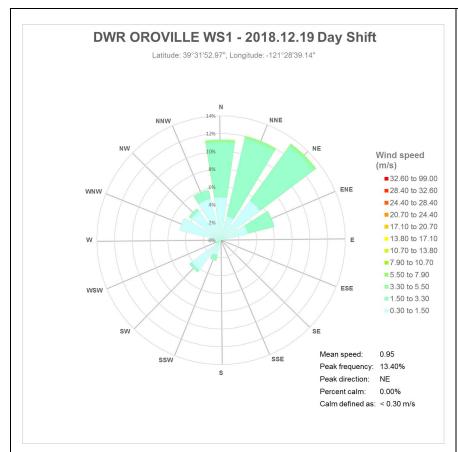


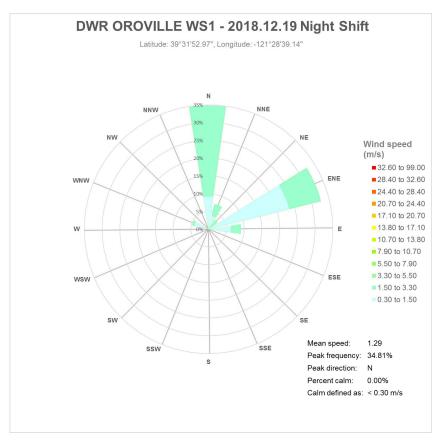


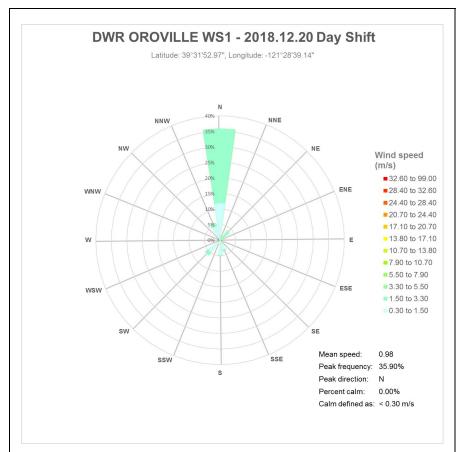


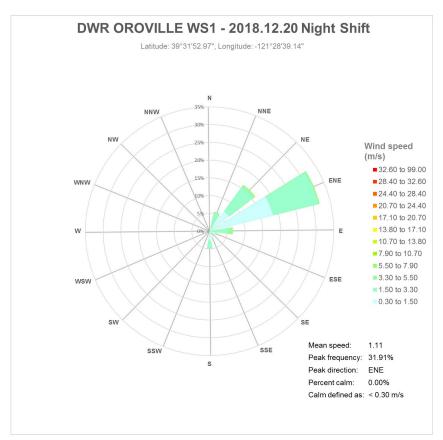


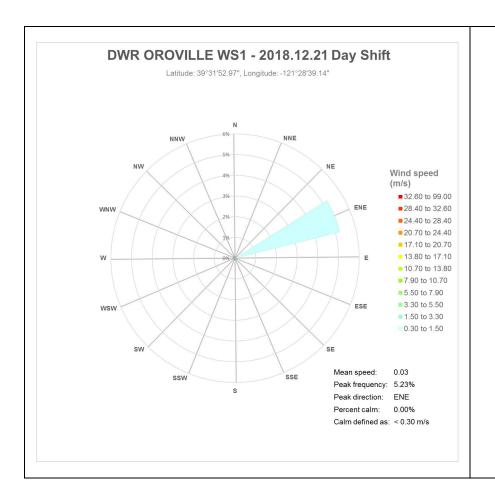






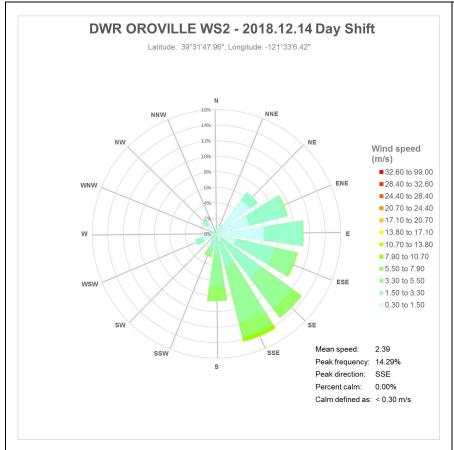


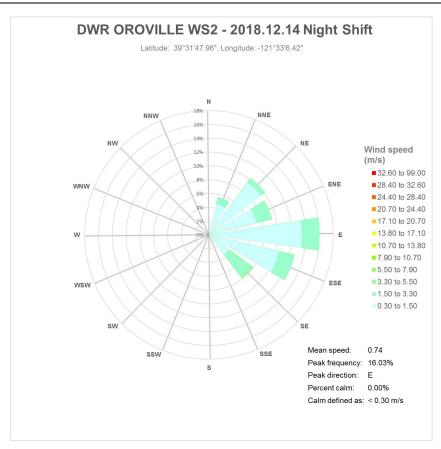


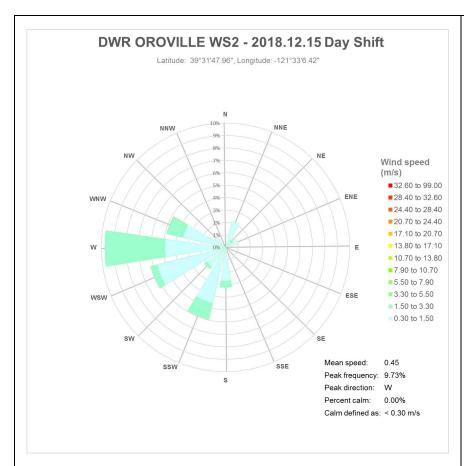


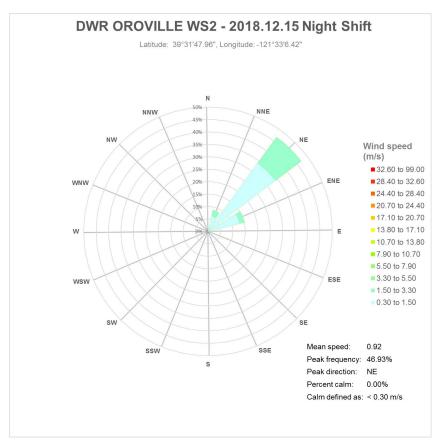
Intentionally Left Blank

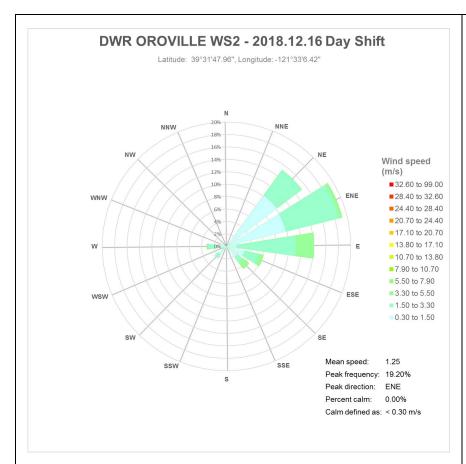
Figure 33 Wind Rose – Day & Night Shift Diversion Dam

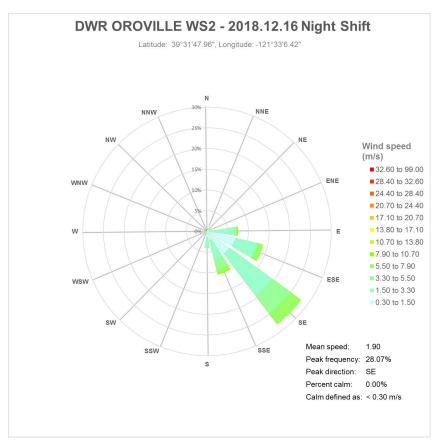


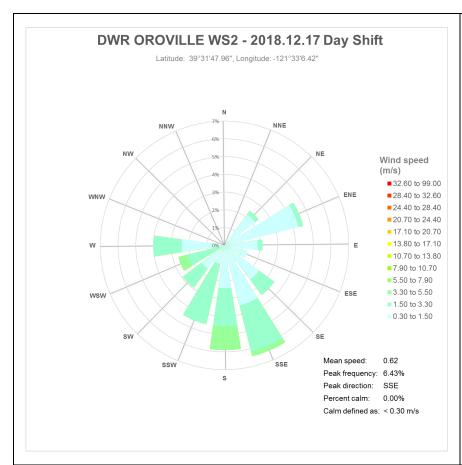


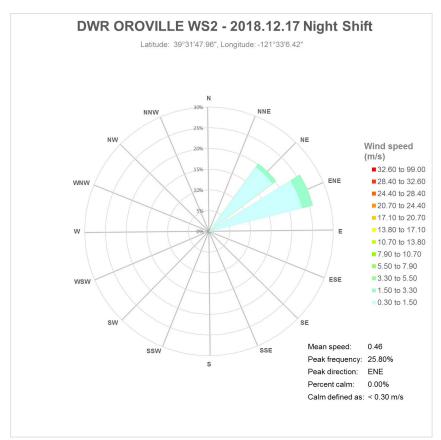


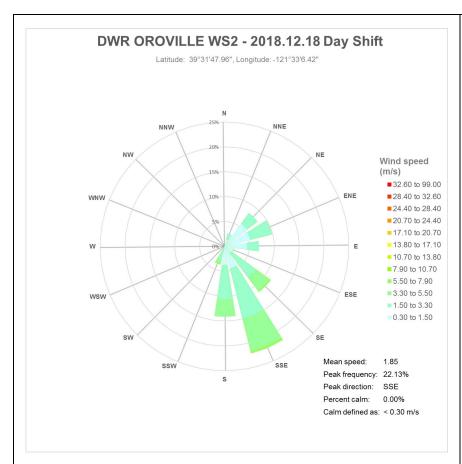


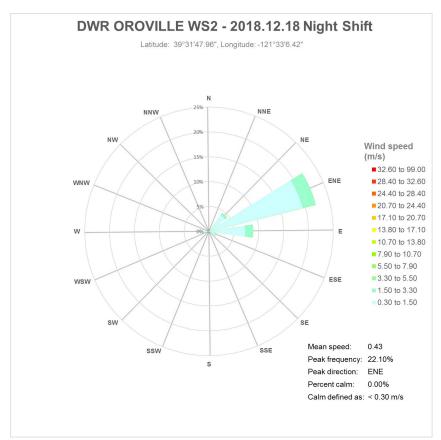


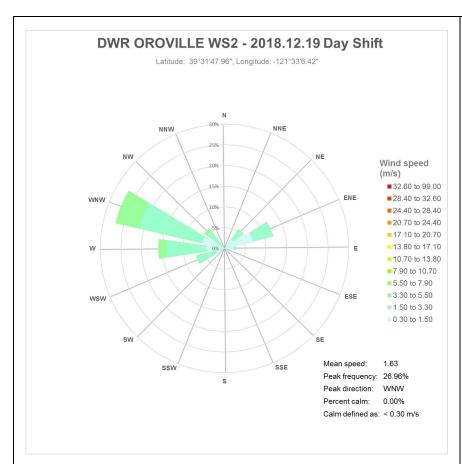


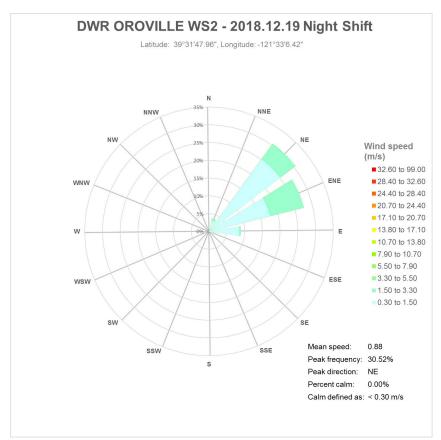


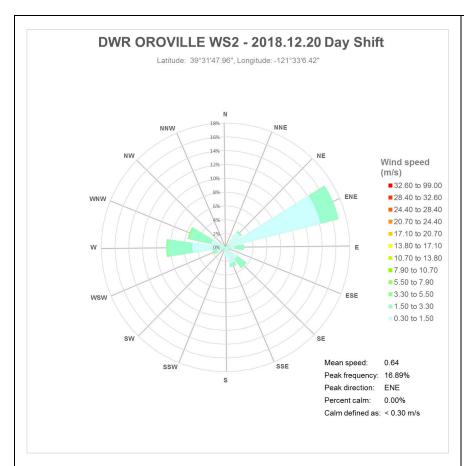


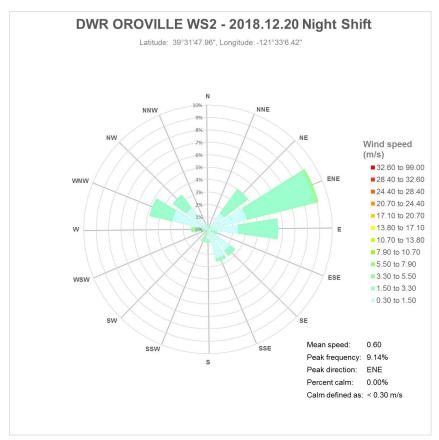


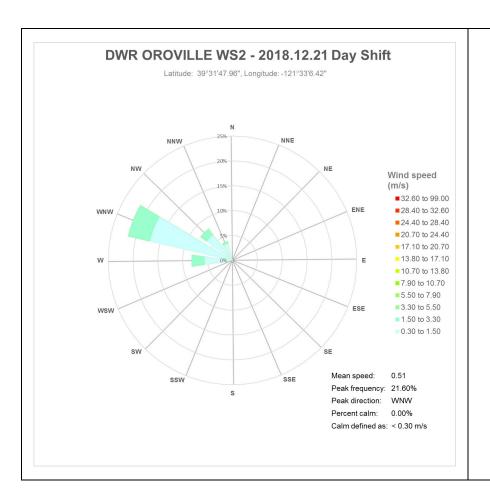












Intentionally Left Blank

10.0 Weather Pattern Events

Table 17 Weather Pattern Events December 14, 2018 – December 27, 2018

2018	Т	emp. (°F	-)	De	w Point (°F)	Hu	ımidity (%)	Statio	n Bar Pres	ss. (in)	Vis	ibility (r	mi)	W	ind (mpl	h)	Pr	ecipitati	on	Events
Dec	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Sum	Min	Туре
14	61	50	39	53	48	38	97	-	56	30.17	-	30.05		-		23	-	0	-	0.14	-	rain
15	54	51	48	54	50	47	100	-	82	30.15	-	30.08		-		9	-	0	-	0.03	-	Lt. rain
16	55	52	50	54	48	39	100	-	59	30.11	-	30		-		9	-	0	-	1.23	-	rain
17	57	54	50	53	50	46	97	-	65	30.3	-	30.04		-		5	-	5	-	0.36	-	rain
18	62	54	46	48	46	44	90	-	58	30.37	-	30.28		-		5	-	5	-	0	-	
19	64	55	46	52	49	44	93	-	62	30.36	-	30.16		-		5	-	5	-	0	-	
20	55	53	51	51	48	44	97	-	74	30.23	-	30.11		-		5	-	5	-	0.19	-	rain
21	57	51	44	53	51	42	100	-	82	30.16	-	30.09		-		5	-	5	-	0.1	-	rain
22	51	44	37	47	43	35	97	-	82	30.22	-	30.12		-		5	-	5	-	0	-	
23	52	49	46	50	47	45	100	-	86	30.31	-	30.23		-		5	-	5	-	0.15	-	rain
24	52	49	46	50	48	45	100	-	89	30.26	-	29.84		-		5	-	5	-	0.56	-	rain
25	61	50	39	45	41	35	100	-	47	30.1	-	29.92		-		5	-	5	-	0	-	
26	54	44	35	38	35	31	89	-	52	30.19	-	30.09		-		5	-	5	-	0	-	
27	53	0	53	27	27	27	37	-	37	30.25	-	30.15		-		0	1	0	-	0	-	

NCDC/NOAA not available per lapse in appropriation. Data above from Weather Underground location - # KCAOROVI 46 (39.520 / 121.525; elev 515 ft)

11.0 Potential Offsite Air Contaminant Events

There were no apparent potential offsite air contaminant events recorded during this time period.

12.0 Changes to Proposed Sampling Locations or Methodology

All air monitoring stations were suspended for holiday shutdown at the end of the 12/21/18 AM Shift.

	DWR Oroville Dam Air Quality Monitoring Sampling and Analysis Summary Report December 14, 2018 through December 27, 2018
Appendix A – Laboratory R	eports
	Page 88 of 89

	DWR Oroville Dam Air Quality Monitoring Sampling and Analysis Summary Report December 14, 2018 through December 27, 2018
Appendix B – Perimeter Dus	st Monitoring
	Page 89 of 89