Date Printed: 09/25/2016 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2016

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	19.4	21.3	21.5	22.3	1.89	2.03	2.83	.14	.94
01:00	18.8	20.6	20.8	21.5	1.76	1.98	2.66	.23	.90
02:00	18.2	19.6	20.0	20.8	1.44	1.77	2.56	.33	1.12
03:00	17.8	19.1	19.4	20.4	1.33	1.60	2.65	.28	1.32
04:00	17.7	18.8	19.2	19.8	1.12	1.48	2.12	.36	1.00
05:00	17.1	18.5	18.9	19.4	1.38	1.81	2.32	.42	.94
06:00	16.7	18.1	18.4	19.0	1.39	1.77	2.35	.38	.96
07:00	16.5	17.7	18.1	18.7	1.22	1.63	2.27	.41	1.05
08:00	18.6	18.7	18.9	19.2	.11	.22	.60	.11	.50
09:00	22.0	21.5	21.2	21.2	-.49	-.73	-.79	-.24	-.31
10:00	24.9	24.2	23.9	23.7	-.74	-1.05	-1.21	-.31	-.48
11:00	27.6	26.6	26.2	26.1	-1.03	-1.35	-1.49	-.33	-.46
12:00	29.5	28.4	28.0	27.9	-1.07	-1.45	-1.56	-.38	-.49
13:00	31.2	29.8	29.4	29.3	-1.38	-1.83	-1.98	-.45	-.60
14:00	31.4	30.4	30.1	29.9	-1.01	-1.35	-1.50	-.34	-.49
15:00	32.2	31.1	30.8	30.6	-1.08	-1.43	-1.58	-.36	-.51
16:00	32.4	31.5	31.2	31.1	-.86	-1.20	-1.31	-.34	-.44
17:00	32.4	31.7	31.3	31.2	-.68	-1.01	-1.17	-.32	-.49
18:00	29.9	30.8	31.0	31.0	.87	1.02	1.08	.14	.21
19:00	26.1	28.3	29.1	29.5	2.19	2.99	3.46	.80	1.27
20:00	23.9	26.1	26.7	28.0	2.21	2.73	4.12	.52	1.91
21:00	22.7	25.0	25.8	27.3	2.23	3.04	4.56	.81	2.34
22:00	21.7	23.9	24.6	25.9	2.20	2.91	4.19	.71	1.99
23:00	20.9	22.8	23.3	24.4	1.91	2.40	3.55	.49	1.65
Avg	23.7	24.4	24.5	24.9	.62	.75	1.20	.13	.58
Max	32.4	31.7	31.3	31.2	2.23	3.04	4.56	.81	2.34
Hr. of Max	17	17	17	17	21	21	21	21	21
Min	16.5	17.7	18.1	18.7	-1.38	-1.83	-1.98	-.45	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2016

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	17.0	17.5	17.8	25.7	87.6	80.8	14.4	14.8	0.012474
01:00	16.8	17.7	17.5	25.5	90.1	85.4	14.3	15.0	0.012359
02:00	16.5	17.8	17.1	25.2	91.7	91.3	14.0	15.2	0.012097
03:00	16.2	17.9	16.7	25.1	92.5	95.0	13.8	15.3	0.011871
04:00	16.5	17.7	16.9	24.8	94.1	95.3	14.0	15.1	0.012051
05:00	15.8	17.7	16.2	24.6	93.8	97.2	13.4	15.1	0.011549
06:00	15.4	17.4	15.8	24.4	94.1	98.0	13.1	14.8	0.011258
07:00	15.2	17.2	15.6	24.2	94.1	98.7	13.0	14.6	0.011109
08:00	16.4	16.8	17.1	24.1	88.4	90.4	13.9	14.2	0.011962
09:00	17.8	17.1	19.2	23.9	79.0	77.7	15.0	14.4	0.01311
10:00	17.9	17.4	20.2	23.8	66.6	67.4	15.0	14.5	0.013208
11:00	17.5	17.2	20.8	24.0	55.7	58.2	14.5	14.3	0.012934
12:00	16.9	16.5	21.1	24.3	48.1	49.8	13.9	13.6	0.012487
13:00	15.8	15.4	21.0	24.8	40.7	42.7	13.0	12.7	0.011691
14:00	14.8	14.9	20.4	25.3	37.8	40.0	12.2	12.2	0.010996
15:00	14.1	14.0	20.1	25.8	34.5	36.3	11.6	11.6	0.010505
16:00	13.8	13.8	20.0	26.2	33.6	35.2	11.4	11.4	0.010331
17:00	14.8	14.5	20.6	26.4	35.7	36.5	12.1	12.0	0.010962
18:00	15.9	14.7	20.6	26.6	44.2	38.9	13.1	12.1	0.01174
19:00	16.8	15.2	19.9	26.6	58.0	46.2	13.9	12.6	0.012376
20:00	16.5	16.5	19.0	26.6	64.6	56.7	13.8	13.7	0.012133
21:00	17.0	17.3	18.9	26.5	71.6	63.9	14.3	14.4	0.012507
22:00	17.2	17.2	18.7	26.3	77.0	67.6	14.4	14.4	0.012638
23:00	17.0	17.1	18.3	26.1	80.0	72.2	14.3	14.4	0.012466
Avg	16.2	16.5	18.7	25.3	68.9	67.6	13.6	13.9	0.011951
Max	17.9	17.9	21.1	26.6	94.1	98.7	15.0	15.3	0.013208
Hr. of Max	10	03	12	20	07	07	10	03	10
Min	13.8	13.8	15.6	23.8	33.6	35.2	11.4	11.4	0.010331
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2016

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.012936	19.4	20.1	.00	29.16	987.6	-2.7	.00	59.6
01:00	0.013068	19.2	20.3	.00	29.17	987.7	-2.0	.00	48.1
02:00	0.013174	18.8	20.5	.00	29.17	987.8	-1.8	.00	333.6
03:00	0.013246	18.5	20.6	.00	29.17	987.7	-2.3	.00	260.2
04:00	0.013089	18.8	20.4	.00	29.16	987.6	-2.5	.00	39.9
05:00	0.013054	18.0	20.3	.00	29.17	987.9	-2.7	.00	15.5
06:00	0.012805	17.6	19.9	.00	29.18	988.2	-2.6	.00	316.3
07:00	0.012587	17.3	19.6	.00	29.20	988.7	12.7	.02	37.3
08:00	0.012303	18.7	19.2	.00	29.21	989.3	152.6	.22	86.9
09:00	0.012529	20.4	19.5	.00	29.22	989.6	377.5	.54	99.8
10:00	0.012801	20.6	20.0	.00	29.22	989.7	574.6	.82	96.8
11:00	0.012712	20.2	19.8	.00	29.22	989.6	716.8	1.03	104.8
12:00	0.012142	19.5	18.9	.00	29.21	989.4	810.0	1.16	116.3
13:00	0.011342	18.2	17.7	.00	29.20	988.7	900.8	1.29	130.0
14:00	0.010993	17.2	17.2	.00	29.17	987.9	695.7	1.00	51.9
15:00	0.010403	16.4	16.2	.00	29.15	987.2	735.3	1.05	87.8
16:00	0.010306	16.1	16.1	.00	29.13	986.6	580.3	.83	58.7
17:00	0.010791	17.1	16.8	.00	29.13	986.4	306.3	.44	56.9
18:00	0.010922	18.3	17.0	.00	29.13	986.5	114.7	.16	24.0
19:00	0.011209	19.2	17.5	.00	29.13	986.6	6.3	.01	336.4
20:00	0.012132	18.9	18.9	.00	29.14	986.7	-1.7	.00	60.2
21:00	0.012754	19.5	19.8	.00	29.15	987.3	-2.1	.00	56.7
22:00	0.012696	19.7	19.8	.00	29.15	987.3	-3.0	.00	26.9
23:00	0.012631	19.4	19.7	.00	29.16	987.3	-1.6	.00	39.2
Avg	0.012193	18.6	19.0	.00	29.17	987.9	248.3	.36	52.0
Max	0.013246	20.6	20.6	.00	29.22	989.7	900.8	1.29	336.4
Hr. of Max	03	10	03	23	11	10	13	13	19
Min	0.010306	16.1	16.1	.00	29.13	986.4	-3.0	.00	15.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	58.3	53.2	63.3	40.3	10.0	11.4	3.0	1.0	1.1
01:00	56.8	53.0	51.6	38.5	12.6	10.3	3.6	.8	1.2
02:00	54.7	34.3	316.3	15.5	20.3	37.8	9.7	.1	.5
03:00	60.5	29.4	28.4	9.9	11.6	11.4	6.6	.0	.8
04:00	61.9	59.2	44.7	44.9	22.3	10.3	9.7	.9	2.0
05:00	53.5	61.2	35.0	48.0	37.3	9.6	5.5	.4	1.3
06:00	51.2	58.5	282.6	43.4	56.6	16.6	5.3	.4	.7
07:00	51.2	63.1	79.0	48.0	28.9	37.9	9.1	.4	1.0
08:00	49.7	61.8	93.9	47.3	23.7	16.5	9.9	.4	1.3
09:00	83.9	70.0	107.8	56.6	26.3	31.6	22.9	2.6	2.7
10:00	92.4	86.9	99.3	75.0	21.2	20.6	20.5	3.3	3.3
11:00	102.1	94.6	110.5	82.3	24.2	23.8	22.7	3.1	3.1
12:00	113.2	106.6	120.1	94.5	51.4	37.4	28.4	2.2	2.5
13:00	135.2	123.1	139.2	120.0	46.2	42.9	41.3	1.7	1.4
14:00	42.8	45.7	47.9	28.3	65.2	65.3	51.7	2.0	2.3
15:00	71.4	69.1	88.6	44.4	59.1	50.6	45.7	1.2	1.2
16:00	52.1	52.0	56.4	34.6	51.7	41.0	40.5	1.5	1.8
17:00	46.4	52.5	60.4	36.9	50.4	45.3	38.8	1.5	2.2
18:00	49.5	55.1	24.2	42.5	31.2	23.7	18.1	1.3	3.2
19:00	45.8	67.4	340.5	53.9	20.6	10.7	8.2	.7	1.8
20:00	76.4	48.5	69.3	35.1	16.5	6.5	6.7	1.0	2.8
21:00	71.3	47.1	69.5	34.0	22.0	13.3	6.4	.8	3.1
22:00	61.3	61.0	35.4	49.7	17.3	7.6	4.5	.4	2.1
23:00	63.6	62.1	43.9	51.1	12.0	7.5	3.7	.6	1.9
Avg	65.0	62.0	60.0	48.0	30.8	24.6	17.6	.0	.0
Max	135.2	123.1	340.5	120.0	65.2	65.3	51.7	3.3	3.3
Hr. of Max	13	13	19	13	14	14	14	10	10
Min	42.8	29.4	24.2	9.9	10.0	6.5	3.0	.0	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/24/2016

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	3.2	1.1	1.1	3.2	1.3	3.4	3.4	.9	.07
01:00	2.5	.8	1.2	2.5	1.1	2.7	1.9	1.1	.03
02:00	1.6	.3	.5	1.7	.8	1.9	1.7	1.3	.02
03:00	1.7	.0	.8	1.8	.2	2.0	1.0	.3	.01
04:00	2.4	.9	2.1	2.4	1.2	2.6	1.6	2.1	.02
05:00	2.5	.6	1.4	2.5	1.0	2.7	2.9	.4	.05
06:00	1.8	.5	.7	1.8	.8	2.0	2.1	-.1	.02
07:00	1.6	.4	1.0	1.7	.9	1.9	2.2	.4	.02
08:00	2.1	.5	1.3	2.2	.8	2.4	3.5	.4	.07
09:00	2.8	2.7	2.9	3.0	3.2	3.4	.0	8.2	-.02
10:00	3.4	3.5	3.6	3.6	4.1	4.1	.4	-1.4	.01
11:00	3.1	3.3	3.3	3.4	4.0	3.9	-.1	-3.1	-.03
12:00	2.7	2.8	2.8	2.9	3.5	3.7	.0	-.4	.07
13:00	1.5	3.1	3.3	3.3	3.8	4.0	2.4	-.3	.09
14:00	2.7	3.4	3.7	3.7	3.9	4.5	-4.2	-3.7	-.34
15:00	1.2	3.0	3.3	3.6	3.7	4.2	-.9	-6.6	-.08
16:00	1.9	2.8	3.3	3.3	3.4	4.0	-7.9	-5.5	-.48
17:00	2.5	2.9	3.5	3.8	3.3	4.2	1.1	4.8	-.05
18:00	4.0	1.6	3.4	4.1	2.0	4.5	-3.0	2.6	-.15
19:00	2.3	.9	1.9	2.3	1.2	2.5	-.5	.4	.00
20:00	4.5	1.0	2.8	4.5	1.3	4.7	2.9	1.6	.06
21:00	5.4	.9	3.2	5.5	1.1	5.7	3.4	1.7	.07
22:00	4.4	.5	2.1	4.5	.7	4.7	2.9	2.3	.04
23:00	4.0	.7	1.9	4.1	.9	4.2	2.6	2.4	.04
Avg	.0	1.6	2.3	3.1	2.0	3.5	.8	.4	-.02
Max	5.4	3.5	3.7	5.5	4.1	5.7	3.5	8.2	.09
Hr. of Max	21	10	14	21	10	21	08	09	13
Min	1.2	.0	.5	1.7	.2	1.9	-7.9	-6.6	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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9/24/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.05	1.8	3.0	5.3	5.3	2.5	22.5	23.3
01:00	.05	2.3	3.0	5.7	5.8	3.4	21.8	22.5
02:00	.05	1.1	2.7	4.8	6.5	3.9	20.9	21.8
03:00	.02	1.4	1.8	3.7	5.5	3.2	20.3	21.6
04:00	.09	2.7	3.2	4.4	7.5	3.5	20.1	20.9
05:00	.03	2.3	2.3	3.9	7.8	3.7	19.7	20.5
06:00	.00	2.1	2.1	3.7	5.7	2.9	19.2	20.1
07:00	.02	3.2	2.3	2.5	6.9	3.4	18.8	19.8
08:00	.01	1.6	2.7	4.4	17.0	4.8	20.1	20.3
09:00	.32	7.8	7.3	6.6	19.5	20.4	22.8	22.2
10:00	-.04	9.2	8.0	9.2	18.9	22.4	25.4	24.6
11:00	-.08	8.5	9.8	10.3	21.7	24.0	27.7	26.9
12:00	-.04	7.8	7.8	7.1	25.3	30.7	29.4	28.6
13:00	-.10	7.3	8.9	7.3	25.4	27.7	30.6	29.7
14:00	-.30	8.9	10.8	12.8	24.2	29.2	31.2	30.3
15:00	-.50	9.8	8.9	9.2	24.8	27.5	31.8	30.9
16:00	-.36	8.5	9.4	9.6	25.0	28.2	32.3	31.4
17:00	.38	10.3	8.9	7.6	22.8	20.7	32.5	31.6
18:00	.17	6.2	7.6	7.8	19.1	13.5	31.6	31.4
19:00	.02	3.4	5.7	7.6	10.1	4.2	29.0	30.1
20:00	.14	3.2	4.6	8.0	8.8	4.4	27.1	28.7
21:00	.15	2.7	6.9	12.6	8.7	4.3	26.0	28.0
22:00	.19	2.1	6.2	8.7	8.6	2.2	25.0	26.7
23:00	.18	2.1	3.9	7.3	7.0	1.8	23.9	25.4
Avg	.02	4.8	5.7	7.1	14.1	12.2	25.4	25.7
Max	.38	10.3	10.8	12.8	25.4	30.7	32.5	31.6
Hr. of Max	17	17	14	14	13	12	17	17
Min	-.50	1.1	1.8	2.5	5.3	1.8	18.8	19.8
Count	24	24	24	24	24	24	24	24
Total								