Date Printed: 08/18/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2016

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	24.6	25.1	25.1	25.1	.44	.43	.45	-.01	.01
01:00	23.4	23.8	24.3	24.7	.40	.92	1.28	.52	.88
02:00	23.1	23.6	24.0	24.2	.48	.89	1.12	.41	.64
03:00	22.4	22.8	23.6	24.1	.41	1.20	1.69	.79	1.28
04:00	21.7	22.2	22.7	23.2	.54	.96	1.49	.43	.95
05:00	21.5	22.2	22.4	22.6	.62	.85	1.03	.22	.40
06:00	21.3	22.0	22.3	22.5	.70	.99	1.22	.29	.52
07:00	21.6	22.1	22.4	22.7	.46	.81	1.07	.35	.62
08:00	24.1	23.8	23.6	23.5	-.29	-.50	-.59	-.21	-.30
09:00	26.1	25.4	25.1	25.0	-.68	-.96	-1.05	-.28	-.37
10:00	27.5	26.6	26.3	26.1	-.88	-1.22	-1.36	-.34	-.48
11:00	29.2	28.2	27.9	27.8	-1.03	-1.35	-1.48	-.31	-.45
12:00	30.8	29.7	29.3	29.2	-1.08	-1.45	-1.56	-.36	-.48
13:00	32.4	31.1	30.7	30.5	-1.34	-1.75	-1.88	-.41	-.54
14:00	31.1	30.2	29.9	29.8	-.88	-1.19	-1.29	-.31	-.41
15:00	31.5	30.2	29.8	29.7	-1.33	-1.69	-1.80	-.36	-.47
16:00	33.3	32.2	31.9	31.7	-1.11	-1.44	-1.59	-.32	-.47
17:00	27.4	27.2	27.1	27.2	-.18	-.27	-.16	-.09	.02
18:00	25.5	25.1	24.9	25.0	-.46	-.64	-.52	-.18	-.07
19:00	25.5	25.3	25.1	25.2	-.28	-.42	-.37	-.14	-.09
20:00	24.6	24.7	24.7	24.7	.14	.11	.14	-.03	-.01
21:00	23.7	23.9	24.4	24.5	.25	.69	.85	.45	.61
22:00	22.9	23.3	23.9	24.2	.39	1.01	1.38	.62	.99
23:00	22.3	23.0	23.3	23.7	.70	.98	1.38	.28	.67
Avg	25.7	25.6	25.6	25.7	-.17	-.13	-.02	.04	.14
Max	33.3	32.2	31.9	31.7	.70	1.20	1.69	.79	1.28
Hr. of Max	16	16	16	16	23	03	03	03	03
Min	21.3	22.0	22.3	22.5	-1.34	-1.75	-1.88	-.41	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2016

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	20.9	20.6	22.1	28.4	81.8	78.5	18.0	17.7	0.015936
01:00	20.8	20.7	21.7	28.2	87.6	85.2	18.0	17.9	0.015867
02:00	20.8	20.9	21.6	28.0	89.3	87.5	18.0	18.2	0.015861
03:00	20.6	20.6	21.2	27.9	91.8	90.0	17.8	17.9	0.015631
04:00	20.1	20.6	20.6	27.7	92.9	92.7	17.4	17.8	0.015185
05:00	20.1	20.8	20.6	27.5	94.0	94.5	17.4	18.1	0.015202
06:00	19.9	20.7	20.4	27.3	94.1	94.9	17.2	18.0	0.015009
07:00	20.1	20.6	20.6	27.2	93.3	93.9	17.3	17.9	0.015145
08:00	20.5	20.1	21.7	27.0	82.7	82.0	17.7	17.2	0.015586
09:00	20.6	20.0	22.4	26.9	73.7	74.0	17.6	17.1	0.015662
10:00	20.7	20.2	23.0	26.8	68.7	69.6	17.8	17.2	0.015853
11:00	21.0	20.4	23.7	26.9	63.0	64.6	17.9	17.4	0.016101
12:00	20.8	20.3	24.1	27.1	57.1	58.9	17.7	17.2	0.015931
13:00	20.3	19.8	24.3	27.5	50.5	52.7	17.0	16.6	0.015475
14:00	19.4	19.1	23.3	28.0	51.4	52.9	16.2	15.9	0.014608
15:00	19.7	19.2	23.7	28.4	51.4	53.6	16.5	16.1	0.014977
16:00	18.8	18.3	23.6	28.6	43.8	45.2	15.5	15.1	0.014149
17:00	19.7	19.5	22.3	28.8	67.0	66.4	16.7	16.5	0.014945
18:00	20.6	20.1	22.2	28.9	76.3	76.1	17.7	17.2	0.015727
19:00	20.6	20.4	22.3	28.9	76.4	76.6	17.7	17.5	0.015759
20:00	21.1	20.8	22.2	28.8	83.0	81.0	18.2	17.9	0.016156
21:00	21.1	20.9	22.0	28.6	87.7	85.6	18.3	18.1	0.016184
22:00	20.8	21.0	21.5	28.4	90.5	89.5	18.0	18.3	0.015873
23:00	20.7	21.2	21.3	28.2	92.9	91.6	18.0	18.4	0.015781
Avg	20.4	20.3	22.2	27.9	76.7	76.6	17.5	17.4	0.015525
Max	21.1	21.2	24.3	28.9	94.1	94.9	18.3	18.4	0.016184
Hr. of Max	21	23	13	19	06	06	21	23	21
Min	18.8	18.3	20.4	26.8	43.8	45.2	15.5	15.1	0.014149
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2016

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	0.015702	24.8	24.4	.00	29.29	991.8	-2.1	.00	41.3
01:00	0.015806	24.7	24.6	.00	29.28	991.7	-1.6	.00	257.9
02:00	0.015998	24.7	24.9	.00	29.28	991.5	-2.2	.00	264.9
03:00	0.015708	24.3	24.4	.00	29.27	991.3	-2.5	.00	288.5
04:00	0.015652	23.6	24.3	.00	29.27	991.1	-2.4	.00	265.0
05:00	0.015884	23.6	24.7	.00	29.25	990.7	-2.3	.00	337.1
06:00	0.015795	23.3	24.5	.00	29.25	990.6	-1.2	.00	343.3
07:00	0.01567	23.6	24.4	.00	29.27	991.3	44.9	.06	247.1
08:00	0.01518	24.2	23.6	.00	29.29	991.8	248.1	.36	235.4
09:00	0.015096	24.4	23.5	.00	29.29	991.9	463.6	.66	224.2
10:00	0.015256	24.6	23.7	.00	29.29	991.8	660.2	.95	213.1
11:00	0.015543	25.0	24.2	.00	29.29	991.9	769.0	1.10	198.3
12:00	0.015443	24.8	24.0	.00	29.28	991.5	873.5	1.25	208.8
13:00	0.014968	24.0	23.3	.00	29.24	990.2	954.0	1.37	210.2
14:00	0.014328	22.7	22.3	.00	29.22	989.4	452.2	.65	251.5
15:00	0.014479	23.2	22.5	.00	29.19	988.7	914.8	1.31	166.5
16:00	0.013721	22.0	21.3	.00	29.17	987.8	706.5	1.01	232.0
17:00	0.0147	23.2	22.8	.02	29.19	988.5	90.5	.13	292.0
18:00	0.015255	24.4	23.7	.00	29.20	988.8	259.9	.37	344.8
19:00	0.015558	24.4	24.1	.00	29.20	988.9	98.9	.14	22.2
20:00	0.015902	25.0	24.7	.00	29.22	989.4	4.0	.01	55.5
21:00	0.016032	25.1	24.9	.00	29.23	990.0	-2.4	.00	310.8
22:00	0.016084	24.6	25.0	.00	29.25	990.5	-1.9	.00	295.6
23:00	0.016242	24.5	25.2	.00	29.25	990.5	-2.3	.00	32.6
Avg	0.015417	24.1	24.0	.00	29.25	990.5	271.6	.39	271.0
Max	0.016242	25.1	25.2	.02	29.29	991.9	954.0	1.37	344.8
Hr. of Max	23	21	23	17	11	11	13	13	18
Min	0.013721	22.0	21.3	.00	29.17	987.8	-2.5	.00	22.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2016

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	57.0	70.5	23.5	56.3	40.5	37.0	21.1	.8	1.4
01:00	238.0	177.1	258.2	188.5	32.8	53.2	36.9	1.5	1.3
02:00	234.9	186.0	264.9	186.3	29.7	28.2	34.2	1.6	1.7
03:00	295.2	98.3	276.3	78.0	25.6	52.6	33.3	.5	.3
04:00	123.6	58.7	261.4	10.0	45.7	43.7	36.8	.8	.2
05:00	29.4	85.3	335.2	51.9	32.1	31.5	27.7	.9	1.3
06:00	63.2	82.1	334.9	70.3	52.3	24.4	14.7	.4	1.1
07:00	210.7	181.5	251.0	181.1	30.5	28.3	26.7	1.7	2.1
08:00	236.5	225.6	238.4	219.9	34.6	22.8	17.7	1.9	2.6
09:00	234.9	233.4	229.0	226.5	29.0	24.1	21.4	3.3	3.9
10:00	219.2	215.0	217.4	209.3	35.4	28.6	24.0	2.6	3.2
11:00	205.2	200.2	206.2	193.4	41.2	33.1	31.0	3.1	3.8
12:00	219.0	216.5	214.8	209.9	38.1	27.8	24.2	3.9	5.2
13:00	215.6	214.3	215.3	207.5	35.4	27.7	23.6	5.2	7.1
14:00	259.0	259.4	255.9	252.0	32.1	28.3	27.4	5.1	6.7
15:00	176.2	185.7	171.5	180.8	38.4	35.6	32.4	3.7	4.3
16:00	240.4	241.1	238.5	234.1	30.9	25.1	20.9	5.0	6.6
17:00	298.8	297.9	295.2	287.8	37.2	22.6	17.0	4.8	7.6
18:00	350.2	6.8	346.7	350.7	41.2	30.3	25.5	1.7	3.1
19:00	36.0	47.9	21.4	34.3	30.1	20.1	19.0	1.5	2.7
20:00	80.8	88.8	56.4	76.6	47.9	24.0	15.2	1.4	2.5
21:00	42.9	90.9	303.0	80.3	37.1	65.4	22.8	.7	.6
22:00	350.3	66.8	290.7	35.1	32.7	39.7	21.5	.8	.6
23:00	45.4	40.0	28.8	19.2	43.6	18.9	32.4	1.6	1.8
Avg	250.0	152.0	272.0	162.0	36.4	32.2	25.3	.0	.0
Max	350.3	297.9	346.7	350.7	52.3	65.4	36.9	5.2	7.6
Hr. of Max	22	17	18	18	06	21	01	13	17
Min	29.4	6.8	21.4	10.0	25.6	18.9	14.7	.4	.2
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)

8/17/2016

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	1.9	1.1	1.6	2.1	1.3	2.5	-.4	-.2	-.04
01:00	.8	1.6	1.6	1.0	2.0	1.4	1.0	-.4	.00
02:00	1.9	1.8	2.1	2.2	2.1	2.4	-2.0	-2.2	-.08
03:00	.2	.8	.7	.5	1.0	.9	1.5	1.0	.03
04:00	.2	1.1	1.0	.9	1.4	1.3	1.4	-.2	.02
05:00	1.5	1.2	1.4	1.7	1.4	2.0	-.9	.1	-.06
06:00	2.1	.8	1.3	2.2	1.0	2.5	.4	.6	.00
07:00	3.9	2.0	2.5	4.1	2.3	4.3	-.5	.0	-.05
08:00	3.7	2.2	2.8	3.9	2.6	4.3	2.4	1.1	.01
09:00	4.2	3.9	4.4	4.6	4.3	5.0	-1.2	1.5	-.23
10:00	3.7	3.6	4.1	4.4	4.0	4.9	.9	-.4	-.04
11:00	4.5	3.8	4.3	4.9	4.5	5.5	-3.0	-3.0	-.37
12:00	6.3	4.9	6.1	7.1	5.7	7.7	-.8	.1	-.19
13:00	8.1	6.1	7.8	8.6	6.9	9.3	.2	-.2	-.22
14:00	7.7	6.4	8.1	9.3	7.0	9.8	-2.1	.2	-.54
15:00	5.0	4.3	4.9	5.7	5.0	6.2	3.1	2.9	.21
16:00	7.6	6.1	7.6	8.6	6.6	9.2	-1.3	-2.2	-.35
17:00	10.8	5.8	8.6	11.9	6.4	12.1	-3.8	-1.2	-.60
18:00	4.5	2.4	3.6	5.1	2.9	5.5	-2.9	1.0	-.29
19:00	3.3	2.1	3.4	3.8	2.5	4.2	-5.0	-2.3	-.31
20:00	3.1	1.9	2.8	3.3	2.3	3.5	2.6	2.3	.09
21:00	1.1	1.0	.6	1.1	1.2	1.4	.5	2.5	.00
22:00	.6	1.4	1.1	.6	1.6	1.0	.0	-.9	-.02
23:00	1.9	1.7	2.0	2.1	1.8	2.3	-3.5	1.9	-.15
Avg	.0	2.8	3.5	4.2	3.2	4.6	-.6	.1	-.13
Max	10.8	6.4	8.6	11.9	7.0	12.1	3.1	2.9	.21
Hr. of Max	17	14	17	17	14	17	15	15	15
Min	.2	.8	.6	.5	1.0	.9	-5.0	-3.0	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.01	3.9	4.6	4.8	16.8	14.1	26.6	26.3
01:00	.00	3.7	4.1	4.6	8.0	11.0	25.4	26.0
02:00	-.07	4.1	5.7	6.0	7.1	11.1	25.2	25.5
03:00	.02	3.7	3.9	2.3	7.8	15.7	24.4	25.3
04:00	.00	2.7	3.2	2.7	10.6	12.5	23.9	24.5
05:00	-.01	3.7	4.1	4.6	9.1	7.3	23.8	23.9
06:00	.02	2.3	3.4	4.8	9.3	8.9	23.6	23.9
07:00	-.02	6.4	9.6	10.1	10.3	8.9	23.6	23.9
08:00	.02	8.5	11.0	13.3	21.3	12.5	25.3	24.6
09:00	-.04	10.1	11.9	10.1	19.8	19.5	26.8	26.0
10:00	-.07	9.2	9.2	10.1	23.6	22.0	28.0	27.1
11:00	-.41	16.0	13.5	11.2	21.1	22.6	29.6	28.7
12:00	-.07	13.1	13.3	15.8	20.3	17.3	30.9	30.0
13:00	-.35	16.3	18.8	20.6	18.8	17.1	32.1	31.2
14:00	-.33	27.7	30.7	33.7	17.0	15.1	31.3	30.5
15:00	.32	13.1	14.7	13.5	21.3	20.7	31.4	30.4
16:00	-.57	15.1	15.1	17.9	18.3	15.6	33.1	32.2
17:00	-.57	25.6	35.0	35.3	18.9	9.8	28.5	28.2
18:00	.09	9.6	11.0	19.5	23.4	16.4	26.7	26.1
19:00	-.06	6.4	6.9	7.6	19.9	12.8	26.9	26.4
20:00	.15	9.4	10.8	9.8	15.8	9.1	26.3	26.0
21:00	.07	2.3	2.5	3.4	10.6	9.3	25.5	25.8
22:00	.00	4.1	3.9	3.0	8.0	11.0	24.9	25.6
23:00	.09	4.4	5.3	4.8	8.9	7.0	24.7	25.0
Avg	-.08	9.2	10.5	11.2	15.3	13.6	27.0	26.8
Max	.32	27.7	35.0	35.3	23.6	22.6	33.1	32.2
Hr. of Max	15	14	17	17	10	11	16	16
Min	-.57	2.3	2.5	2.3	7.1	7.0	23.6	23.9
Count	24	24	24	24	24	24	24	24
Total								