Date Printed: 07/26/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/25/2016

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	23.6	24.8	25.3	25.8	1.26	1.77	2.26	.51	1.00
01:00	23.2	24.1	24.6	25.0	.82	1.36	1.77	.54	.95
02:00	23.0	23.8	24.2	24.6	.73	1.12	1.55	.39	.81
03:00	22.6	23.1	23.6	24.3	.48	1.06	1.74	.58	1.26
04:00	22.3	22.9	23.5	24.0	.61	1.23	1.72	.63	1.11
05:00	22.0	22.6	23.0	23.4	.58	.97	1.39	.40	.81
06:00	22.0	22.5	22.9	23.1	.55	.93	1.19	.39	.64
07:00	22.6	22.6	22.8	23.2	.08	.29	.60	.20	.52
08:00	24.8	24.5	24.3	24.3	-.35	-.54	-.53	-.19	-.17
09:00	27.5	26.8	26.5	26.5	-.68	-.98	-1.06	-.30	-.38
10:00	29.5	28.7	28.3	28.2	-.87	-1.21	-1.30	-.35	-.44
11:00	31.2	30.0	29.7	29.6	-1.12	-1.46	-1.59	-.34	-.47
12:00	32.8	31.1	30.8	30.7	-1.66	-2.00	-2.09	-.34	-.43
13:00	33.7	32.2	31.8	31.7	-1.53	-1.88	-1.98	-.35	-.44
14:00	34.1	32.8	32.4	32.3	-1.37	-1.70	-1.82	-.33	-.45
15:00	33.8	32.7	32.4	32.3	-1.09	-1.40	-1.53	-.30	-.44
16:00	34.0	33.0	32.5	32.4	-1.08	-1.51	-1.64	-.43	-.56
17:00	34.0	33.1	32.8	32.6	-.95	-1.23	-1.37	-.28	-.42
18:00	33.0	32.2	32.0	31.8	-.71	-.98	-1.11	-.27	-.40
19:00	30.5	31.3	31.4	31.5	.77	.87	.94	.10	.17
20:00	27.7	28.9	30.4	30.8	1.19	2.66	3.05	1.47	1.86
21:00	26.4	27.3	28.7	29.5	.93	2.29	3.07	1.36	2.14
22:00	25.7	26.6	27.6	28.1	.90	1.83	2.36	.93	1.46
23:00	25.2	26.3	26.9	27.2	1.14	1.69	2.06	.55	.92
Avg	27.7	27.7	27.9	28.0	-.06	.13	.32	.19	.38
Max	34.1	33.1	32.8	32.6	1.26	2.66	3.07	1.47	2.14
Hr. of Max	14	17	17	17	00	20	21	20	21
Min	22.0	22.5	22.8	23.1	-1.66	-2.00	-2.09	-.43	-.56
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)

7/25/2016

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	21.8	22.3	22.4	29.1	92.5	88.3	19.2	19.6	0.017001
01:00	21.7	22.2	22.2	28.9	93.6	92.0	19.0	19.6	0.016884
02:00	21.7	22.3	22.1	28.6	94.4	94.2	19.0	19.7	0.016826
03:00	21.3	21.9	21.7	28.4	95.0	96.0	18.6	19.3	0.016456
04:00	21.1	22.0	21.5	28.2	95.5	97.5	18.4	19.4	0.016224
05:00	20.8	21.9	21.2	28.0	95.1	98.4	18.1	19.3	0.015923
06:00	20.7	21.9	21.1	27.8	95.2	98.9	18.0	19.3	0.015866
07:00	21.2	21.7	21.7	27.6	94.8	97.4	18.6	19.1	0.016379
08:00	21.7	21.4	22.8	27.4	85.4	85.3	19.0	18.6	0.016872
09:00	21.6	21.0	23.6	27.3	72.3	72.4	18.7	18.1	0.016773
10:00	21.8	21.2	24.4	27.3	65.2	66.0	18.8	18.2	0.017019
11:00	21.4	20.7	24.6	27.5	57.9	59.1	18.3	17.6	0.016589
12:00	21.4	20.7	25.2	27.9	52.9	55.5	18.2	17.5	0.016627
13:00	20.6	20.1	25.0	28.6	48.2	50.7	17.4	16.9	0.015929
14:00	20.3	19.9	24.9	29.3	45.9	48.4	17.0	16.7	0.015587
15:00	20.3	20.1	24.8	29.8	47.1	49.3	17.1	16.9	0.015677
16:00	20.7	20.3	25.1	30.0	47.3	49.0	17.4	17.0	0.015991
17:00	20.0	19.6	24.7	30.2	45.6	46.8	16.8	16.4	0.015376
18:00	20.5	20.3	24.6	30.3	49.5	50.9	17.2	17.1	0.015771
19:00	21.1	20.4	24.3	30.4	59.5	54.2	18.1	17.2	0.016431
20:00	22.6	21.7	24.3	30.4	76.2	67.6	19.9	18.8	0.017936
21:00	22.4	22.3	23.8	30.2	81.4	76.5	19.7	19.5	0.017706
22:00	22.5	22.5	23.6	30.0	84.7	80.3	19.8	19.8	0.017735
23:00	22.4	22.5	23.3	29.8	87.0	81.9	19.7	19.8	0.017628
Avg	21.3	21.3	23.5	28.9	73.4	73.2	18.4	18.4	0.01655
Max	22.6	22.5	25.2	30.4	95.5	98.9	19.9	19.8	0.017936
Hr. of Max	20	23	12	20	04	06	20	23	20
Min	20.0	19.6	21.1	27.3	45.6	46.8	16.8	16.4	0.015376
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)

7/25/2016

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	0.017508	26.2	27.0	.00	29.11	985.9	-1.8	.00	344.3
01:00	0.017427	26.0	26.9	.00	29.10	985.6	-2.5	.00	277.2
02:00	0.017542	26.0	27.0	.00	29.11	985.8	-2.0	.00	340.2
03:00	0.017121	25.4	26.4	.00	29.12	986.3	-1.8	.00	259.1
04:00	0.017191	25.1	26.5	.00	29.13	986.5	-2.6	.00	299.3
05:00	0.017067	24.6	26.3	.00	29.13	986.3	-1.7	.00	266.5
06:00	0.017033	24.5	26.3	.00	29.14	986.8	1.3	.00	261.9
07:00	0.016895	25.3	26.1	.00	29.16	987.4	61.8	.09	250.7
08:00	0.016507	26.1	25.5	.00	29.17	987.8	288.2	.41	233.1
09:00	0.016148	25.9	25.0	.00	29.17	987.8	477.3	.68	216.3
10:00	0.016397	26.3	25.4	.00	29.15	987.3	667.1	.96	230.6
11:00	0.015876	25.6	24.6	.00	29.15	987.3	829.9	1.19	228.6
12:00	0.015878	25.7	24.6	.00	29.15	987.0	951.9	1.36	221.8
13:00	0.015386	24.6	23.8	.00	29.13	986.6	990.5	1.42	232.2
14:00	0.015208	24.1	23.5	.00	29.11	985.9	970.9	1.39	246.7
15:00	0.015433	24.2	23.9	.00	29.09	985.2	719.1	1.03	285.2
16:00	0.015588	24.7	24.1	.00	29.07	984.5	626.3	.90	293.4
17:00	0.014972	23.7	23.1	.00	29.07	984.3	444.7	.64	281.9
18:00	0.015577	24.3	24.0	.00	29.06	984.1	338.0	.48	309.6
19:00	0.015696	25.3	24.2	.00	29.06	984.2	137.1	.20	300.1
20:00	0.017002	27.6	26.2	.00	29.09	985.1	11.5	.02	276.5
21:00	0.017585	27.3	27.1	.00	29.10	985.6	-1.6	.00	245.1
22:00	0.017737	27.3	27.3	.00	29.11	986.0	-2.6	.00	247.0
23:00	0.017764	27.2	27.4	.00	29.11	985.8	-1.9	.00	350.4
Avg	0.016522	25.5	25.5	.00	29.12	986.0	312.4	.45	268.0
Max	0.017764	27.6	27.4	.00	29.17	987.8	990.5	1.42	350.4
Hr. of Max	23	20	23	23	09	09	13	13	23
Min	0.014972	23.7	23.1	.00	29.06	984.1	-2.6	.00	216.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/25/2016

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	228.2	190.0	340.9	216.0	42.1	49.3	19.0	.9	.5
01:00	138.9	145.1	274.5	179.0	39.6	27.4	20.3	1.4	1.2
02:00	34.8	107.8	339.7	346.9	35.0	41.3	42.8	.7	.7
03:00	229.0	186.3	259.7	224.2	23.3	52.5	31.3	1.1	1.4
04:00	226.0	171.4	295.6	240.6	29.3	43.5	32.7	.7	.6
05:00	239.3	192.1	269.0	202.7	17.4	12.1	18.2	1.4	1.9
06:00	243.8	202.4	262.5	218.3	54.1	31.9	37.0	.9	.7
07:00	242.1	216.0	253.7	213.6	23.0	13.1	9.4	1.6	2.5
08:00	240.5	231.4	237.9	229.2	26.1	16.5	12.8	1.9	2.5
09:00	225.1	222.0	223.1	217.7	25.5	18.2	15.9	2.9	3.9
10:00	234.7	230.7	237.3	225.1	25.8	20.1	17.0	3.7	4.6
11:00	238.1	237.2	234.1	232.4	40.5	30.6	24.7	3.1	4.0
12:00	228.9	223.6	230.6	218.5	37.6	27.5	25.3	3.2	4.0
13:00	235.2	231.1	237.4	225.0	33.9	28.7	25.7	4.6	5.9
14:00	254.5	250.4	253.3	244.7	36.1	27.6	22.9	4.2	5.5
15:00	294.0	293.9	287.3	283.8	32.4	24.5	20.3	3.7	4.6
16:00	297.6	293.5	295.7	284.6	40.7	29.3	28.1	2.9	4.1
17:00	285.9	281.3	284.4	272.4	33.4	27.5	25.5	3.4	4.5
18:00	319.2	315.0	311.5	303.1	27.6	23.1	17.8	3.2	4.2
19:00	307.5	309.7	300.4	297.5	14.3	11.1	9.0	2.2	3.8
20:00	282.5	282.5	277.1	273.2	14.4	8.7	6.2	1.5	3.6
21:00	243.0	262.1	244.1	253.6	33.4	54.5	36.4	1.2	1.4
22:00	231.9	232.6	250.0	229.1	19.8	17.2	12.5	1.7	2.3
23:00	66.8	85.4	348.6	66.1	38.3	36.2	30.6	1.1	1.0
Avg	251.0	231.0	271.0	242.0	31.0	28.0	22.6	.0	.0
Max	319.2	315.0	348.6	346.9	54.1	54.5	42.8	4.6	5.9
Hr. of Max	18	18	23	02	06	21	02	13	13
Min	34.8	85.4	223.1	66.1	14.3	8.7	6.2	.7	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/25/2016

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	1.5	2.2	1.3	2.5	.2	.4	.00
01:00	1.4	1.9	2.1	1.9	2.1	2.3	.7	.2	-.02
02:00	.1	1.3	1.4	1.1	1.5	1.5	1.8	2.3	.02
03:00	1.0	1.4	1.6	1.1	1.7	1.6	.0	-.2	-.02
04:00	.6	1.1	1.1	.9	1.3	1.4	2.0	1.2	.02
05:00	1.3	1.5	2.0	1.5	1.8	1.9	1.1	-1.2	.00
06:00	1.2	1.2	1.2	1.5	1.5	1.9	.2	.0	.00
07:00	3.0	1.8	2.7	3.1	2.2	3.3	-1.6	-.6	-.09
08:00	2.7	2.2	2.7	2.8	2.6	3.1	-3.7	-5.3	-.23
09:00	4.3	3.2	4.1	4.4	3.6	4.8	-.1	-5.1	-.11
10:00	5.4	4.0	4.9	5.6	4.6	6.1	.2	-2.5	-.18
11:00	4.9	3.9	4.6	5.4	4.3	5.9	-.2	-3.5	-.14
12:00	4.5	4.1	4.7	5.1	4.6	5.7	-5.1	-7.1	-.40
13:00	6.5	5.3	6.5	7.2	5.8	7.7	.8	-1.5	-.14
14:00	6.4	4.8	6.1	6.9	5.5	7.5	-1.4	-3.0	-.32
15:00	5.2	4.5	5.5	6.2	4.9	6.7	-4.7	-5.4	-.59
16:00	4.9	3.6	4.7	5.4	4.1	5.8	-1.3	1.4	-.31
17:00	5.1	3.9	5.1	5.6	4.4	6.1	-4.8	-3.7	-.51
18:00	5.5	3.7	4.6	5.8	4.0	6.1	-4.6	-3.1	-.53
19:00	4.7	2.3	3.9	4.7	2.3	4.7	-2.3	-4.9	-.15
20:00	5.3	1.7	3.6	5.4	1.8	5.4	-3.4	.9	-.12
21:00	3.2	1.3	2.0	3.6	1.7	3.5	.6	2.6	.00
22:00	3.1	2.0	2.5	3.2	2.2	3.4	-1.4	.6	-.05
23:00	1.6	1.3	1.5	1.9	1.5	2.2	.0	-.5	-.04
Avg	.0	2.6	3.4	3.9	3.0	4.2	-1.1	-1.6	-.16
Max	6.5	5.3	6.5	7.2	5.8	7.7	2.0	2.6	.02
Hr. of Max	13	13	13	13	13	13	04	21	04
Min	.1	1.1	1.1	.9	1.3	1.4	-5.1	-7.1	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/25/2016

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	3.4	6.6	7.6	9.0	6.9	26.5	27.4
01:00	.00	4.8	6.4	6.4	8.1	7.1	25.8	26.5
02:00	.04	4.8	7.1	8.7	10.3	14.5	25.5	26.1
03:00	.03	2.7	4.8	4.4	7.4	9.5	24.8	25.8
04:00	.04	4.1	6.4	6.0	9.5	10.3	24.6	25.5
05:00	-.04	3.7	5.3	5.0	6.1	5.6	24.3	24.9
06:00	.01	5.0	8.2	8.0	10.2	9.0	24.2	24.6
07:00	-.03	4.1	4.6	5.5	9.2	3.4	24.4	24.6
08:00	-.29	5.5	4.8	5.0	16.8	11.9	26.1	25.5
09:00	-.46	6.6	8.0	8.7	19.7	13.2	28.3	27.5
10:00	-.29	12.8	9.6	11.7	20.5	15.4	30.1	29.2
11:00	-.50	9.4	16.9	15.6	20.4	17.6	31.4	30.4
12:00	-.75	10.5	11.7	11.9	22.0	23.5	32.4	31.5
13:00	-.29	12.8	13.5	14.0	19.2	16.3	33.3	32.3
14:00	-.60	12.4	15.6	16.7	20.1	17.2	33.9	32.9
15:00	-.90	13.1	14.2	16.3	20.2	16.6	34.0	33.0
16:00	-.19	9.8	13.5	11.9	23.4	21.0	34.3	33.3
17:00	-.57	14.2	18.5	18.8	20.5	17.8	34.3	33.4
18:00	-.60	10.8	12.6	11.9	19.1	16.1	33.6	32.8
19:00	-.43	6.0	7.8	11.2	12.2	6.3	32.7	32.5
20:00	.09	4.6	8.2	9.4	6.9	3.6	30.5	32.0
21:00	.15	4.8	8.5	12.4	11.3	14.4	29.0	30.8
22:00	.04	6.2	4.1	6.2	5.5	3.3	28.4	29.5
23:00	-.01	4.4	4.8	5.3	8.0	5.2	28.1	28.7
Avg	-.23	7.4	9.2	9.9	14.0	11.9	29.2	29.2
Max	.15	14.2	18.5	18.8	23.4	23.5	34.3	33.4
Hr. of Max	21	17	17	17	16	12	17	17
Min	-.90	2.7	4.1	4.4	5.5	3.3	24.2	24.6
Count	24	24	24	24	24	24	24	24
Total								