Date Printed: 12/16/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/15/2016

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	2.6	3.3	3.3	3.3	.73	.72	.69	-.01	-.04
01:00	2.5	2.7	2.6	2.5	.20	.07	.00	-.13	-.20
02:00	1.3	1.7	1.6	1.6	.38	.31	.26	-.08	-.13
03:00	.5	.6	.5	.4	.13	-.01	-.08	-.13	-.20
04:00	-1.1	-.8	-.9	-.9	.29	.20	.16	-.09	-.13
05:00	-1.9	-1.6	-1.7	-1.8	.25	.17	.10	-.09	-.15
06:00	-2.9	-2.3	-2.3	-2.4	.58	.55	.48	-.04	-.10
07:00	-3.8	-3.0	-3.0	-3.1	.71	.76	.70	.05	-.01
08:00	-3.4	-3.5	-3.7	-3.9	-.08	-.34	-.49	-.26	-.41
09:00	-2.8	-3.2	-3.6	-3.8	-.38	-.73	-.98	-.35	-.60
10:00	-2.2	-3.0	-3.3	-3.4	-.79	-1.09	-1.26	-.30	-.46
11:00	-1.3	-2.1	-2.6	-2.8	-.89	-1.31	-1.52	-.42	-.64
12:00	-1.0	-1.7	-2.1	-2.3	-.80	-1.11	-1.34	-.31	-.55
13:00	-.2	-1.1	-1.5	-1.7	-.90	-1.22	-1.41	-.33	-.52
14:00	-.3	-1.0	-1.3	-1.4	-.72	-1.00	-1.15	-.28	-.43
15:00	-.4	-1.0	-1.3	-1.5	-.62	-.91	-1.10	-.29	-.48
16:00	-.6	-1.0	-1.3	-1.4	-.38	-.64	-.79	-.26	-.41
17:00	-1.4	-1.5	-1.7	-1.8	-.07	-.26	-.38	-.19	-.31
18:00	-2.4	-2.3	-2.4	-2.5	.14	.03	-.07	-.11	-.21
19:00	-3.1	-3.0	-3.1	-3.2	.17	.04	-.05	-.13	-.22
20:00	-3.8	-3.6	-3.7	-3.8	.15	.03	-.06	-.12	-.20
21:00	-4.5	-4.3	-4.5	-4.6	.13	-.01	-.11	-.14	-.23
22:00	-4.9	-4.9	-5.0	-5.1	.08	-.07	-.18	-.15	-.26
23:00	-5.4	-5.3	-5.4	-5.5	.09	-.07	-.17	-.16	-.26
Avg	-1.7	-1.7	-1.9	-2.0	-.07	-.25	-.36	-.18	-.30
Max	2.6	3.3	3.3	3.3	.73	.76	.70	.05	-.01
Hr. of Max	00	00	00	00	00	07	07	07	07
Min	-5.4	-5.3	-5.4	-5.5	-.90	-1.31	-1.52	-.42	-.64
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/15/2016

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	-.7	-1.3	.4	7.1	79.6	72.1	4.6	4.4	0.003666
01:00	-1.7	-2.1	-.3	6.9	74.1	71.1	4.2	4.1	0.003406
02:00	-2.6	-3.1	-1.3	6.9	75.6	70.9	4.0	3.8	0.003186
03:00	-6.7	-7.4	-4.3	6.8	59.1	55.8	3.0	2.8	0.002355
04:00	-8.6	-9.4	-6.1	6.6	57.2	52.4	2.6	2.4	0.00202
05:00	-9.4	-10.3	-6.9	6.5	56.9	51.9	2.4	2.2	0.001895
06:00	-8.6	-10.7	-6.7	6.3	65.3	52.7	2.6	2.2	0.002014
07:00	-9.0	-11.7	-7.3	6.1	67.5	51.5	2.5	2.0	0.001948
08:00	-12.0	-12.8	-9.1	5.9	51.9	48.6	2.0	1.8	0.001537
09:00	-12.6	-13.4	-9.3	5.8	47.5	45.6	1.9	1.8	0.001467
10:00	-14.5	-16.1	-10.4	5.6	38.7	36.1	1.6	1.4	0.001255
11:00	-16.3	-18.2	-11.3	5.5	31.3	28.5	1.4	1.2	0.00109
12:00	-16.2	-18.1	-11.1	5.4	30.8	28.0	1.4	1.2	0.001096
13:00	-17.5	-19.1	-11.7	5.3	26.4	24.5	1.3	1.1	0.000988
14:00	-17.8	-19.5	-12.0	5.2	25.7	23.5	1.2	1.1	0.00096
15:00	-17.8	-19.4	-12.0	5.2	26.0	23.8	1.2	1.1	0.000962
16:00	-17.5	-19.1	-11.9	5.2	27.0	24.3	1.3	1.1	0.000983
17:00	-18.5	-20.5	-12.8	5.3	26.3	22.5	1.2	1.0	0.000903
18:00	-17.6	-20.7	-12.5	5.3	30.7	23.3	1.3	1.0	0.000975
19:00	-16.9	-19.5	-12.3	5.2	34.1	27.0	1.3	1.1	0.001029
20:00	-16.6	-18.7	-12.3	5.1	36.6	30.4	1.4	1.1	0.001053
21:00	-16.2	-17.9	-12.3	5.0	39.9	34.1	1.4	1.2	0.00109
22:00	-16.7	-18.1	-12.8	4.9	39.7	35.1	1.4	1.2	0.001047
23:00	-16.3	-18.1	-12.7	4.8	42.2	36.3	1.4	1.2	0.001076
Avg	-12.8	-14.4	-9.1	5.7	45.4	40.4	2.0	1.8	0.001583
Max	-.7	-1.3	.4	7.1	79.6	72.1	4.6	4.4	0.003666
Hr. of Max	00	00	00	00	00	00	00	00	00
Min	-18.5	-20.7	-12.8	4.8	25.7	22.5	1.2	1.0	0.000903
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/15/2016

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	0.003508	5.8	5.6	.00	29.28	991.4	-2.6	.00	273.5
01:00	0.003317	5.4	5.3	.00	29.27	991.4	-2.3	.00	248.2
02:00	0.003077	5.1	4.9	.00	29.29	991.8	-2.4	.00	247.0
03:00	0.002243	3.7	3.6	.00	29.31	992.5	-2.6	.00	279.4
04:00	0.001891	3.2	3.0	.00	29.32	992.9	-2.6	.00	254.6
05:00	0.00176	3.0	2.8	.00	29.34	993.6	-2.7	.00	263.1
06:00	0.001702	3.2	2.7	.00	29.37	994.7	-2.3	.00	283.3
07:00	0.00157	3.1	2.5	.00	29.40	995.8	2.0	.00	343.2
08:00	0.001432	2.5	2.3	.00	29.44	996.9	102.8	.15	17.6
09:00	0.001368	2.3	2.2	.00	29.46	997.7	286.0	.41	17.4
10:00	0.001105	2.0	1.8	.00	29.48	998.2	417.2	.60	275.5
11:00	0.000927	1.7	1.5	.00	29.46	997.8	512.1	.73	296.8
12:00	0.00094	1.8	1.5	.00	29.46	997.5	544.1	.78	64.0
13:00	0.000858	1.6	1.4	.00	29.44	997.1	466.9	.67	314.7
14:00	0.000833	1.5	1.3	.00	29.44	997.0	350.2	.50	273.3
15:00	0.000842	1.5	1.3	.00	29.44	997.1	248.3	.36	269.1
16:00	0.000861	1.6	1.4	.00	29.45	997.2	115.6	.17	269.3
17:00	0.000766	1.4	1.2	.00	29.46	997.7	4.0	.01	44.1
18:00	0.00075	1.6	1.2	.00	29.46	997.7	-2.3	.00	45.0
19:00	0.000827	1.6	1.3	.00	29.45	997.5	-2.1	.00	44.6
20:00	0.000886	1.7	1.4	.00	29.45	997.4	-2.1	.00	44.7
21:00	0.000943	1.7	1.5	.00	29.45	997.3	-2.3	.00	52.9
22:00	0.000932	1.7	1.5	.00	29.44	997.0	-2.2	.00	61.0
23:00	0.000933	1.7	1.5	.00	29.45	997.3	-2.3	.00	58.2
Avg	0.001428	2.5	2.3	.00	29.41	995.9	125.8	.18	325.0
Max	0.003508	5.8	5.6	.00	29.48	998.2	544.1	.78	343.2
Hr. of Max	00	00	00	23	10	10	12	12	07
Min	0.00075	1.4	1.2	.00	29.27	991.4	-2.7	.00	17.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/15/2016

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	280.3	284.3	270.8	277.7	32.7	21.3	15.5	3.8	5.8
01:00	266.7	273.8	248.8	267.7	26.4	22.8	20.6	4.0	5.6
02:00	264.9	272.3	247.5	265.9	32.9	26.7	21.9	2.9	4.1
03:00	288.7	291.2	277.0	284.0	26.5	19.7	16.7	5.0	7.6
04:00	268.7	273.8	255.2	268.2	20.1	15.9	13.4	3.6	5.4
05:00	279.9	285.4	262.6	278.9	17.1	14.4	12.3	3.3	4.9
06:00	303.9	312.8	277.7	304.1	22.2	17.6	16.6	1.9	2.7
07:00	351.4	.5	328.5	349.6	28.7	19.1	17.4	1.6	3.3
08:00	17.5	19.6	1.5	9.5	32.7	19.1	16.0	2.3	4.3
09:00	22.9	22.2	4.7	13.0	54.0	32.7	29.0	2.1	3.7
10:00	285.3	289.2	272.9	281.6	32.0	21.5	18.4	5.3	6.5
11:00	319.9	325.7	286.3	316.7	55.2	40.1	35.0	2.3	3.1
12:00	51.9	42.5	59.8	33.6	55.1	44.8	37.0	2.2	3.2
13:00	320.8	320.2	306.1	311.1	43.2	35.3	30.9	3.4	4.5
14:00	282.0	287.8	269.8	279.9	53.8	39.2	32.4	3.2	4.3
15:00	276.2	275.7	266.4	269.1	39.5	22.5	20.1	3.6	4.5
16:00	278.6	281.4	268.0	275.0	32.6	26.3	23.0	1.8	2.1
17:00	36.0	35.1	34.6	24.4	32.5	18.6	11.5	2.5	5.5
18:00	39.1	37.7	28.5	26.7	26.5	13.3	10.7	2.0	4.8
19:00	42.1	42.3	33.9	31.8	30.5	15.1	11.0	2.7	5.9
20:00	42.1	42.4	32.4	31.8	34.5	14.8	9.9	2.6	6.0
21:00	48.7	48.8	44.5	39.1	29.1	16.1	11.1	3.0	6.5
22:00	57.2	55.9	53.7	46.4	23.6	15.9	10.4	3.0	6.1
23:00	55.7	56.4	49.9	47.0	21.9	13.4	9.2	3.5	6.5
Avg	334.0	337.0	318.0	328.0	33.5	22.8	18.8	.0	.0
Max	351.4	325.7	328.5	349.6	55.2	44.8	37.0	5.3	7.6
Hr. of Max	07	11	07	07	11	12	12	10	03
Min	17.5	.5	1.5	9.5	17.1	13.3	9.2	1.6	2.1
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)

12/15/2016

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	8.1	4.3	6.2	8.4	4.6	8.4	-.9	-.9	-.24
01:00	7.2	4.7	6.3	7.8	5.1	8.0	.2	-.6	-.12
02:00	5.9	3.9	5.2	6.9	4.4	7.2	-.8	.8	-.25
03:00	10.0	5.6	8.1	10.5	6.0	10.6	-1.6	-2.0	-.39
04:00	7.0	3.9	5.7	7.2	4.3	7.4	1.0	-.9	-.06
05:00	6.3	3.5	5.1	6.5	3.9	6.7	.2	-2.6	-.07
06:00	3.6	2.0	2.9	3.8	2.2	3.9	-2.5	-1.6	-.14
07:00	4.4	2.1	3.7	4.6	2.4	5.0	-2.8	2.0	-.19
08:00	5.1	2.6	4.5	5.3	3.0	5.7	-.4	.8	-.24
09:00	4.3	2.9	4.2	4.9	3.3	5.5	-2.4	2.3	-.30
10:00	7.2	5.8	6.9	7.5	6.2	8.0	-1.7	-5.4	-.40
11:00	3.4	4.2	5.4	5.8	4.7	6.4	.8	-.4	-.12
12:00	3.5	3.8	4.5	4.5	4.4	5.2	-2.7	2.5	-.31
13:00	5.2	5.3	6.2	6.5	5.9	7.1	-6.0	-4.6	-.81
14:00	5.0	4.3	5.0	5.7	4.8	6.3	-4.1	-1.8	-.45
15:00	5.2	4.2	5.0	5.7	4.6	6.2	1.4	-5.3	-.14
16:00	2.4	3.7	4.6	5.0	4.1	5.4	1.2	.1	-.08
17:00	7.0	3.0	5.9	7.2	3.4	7.6	.1	-.8	-.23
18:00	5.7	2.2	4.9	5.8	2.5	6.1	.2	-.6	-.12
19:00	7.7	3.0	6.1	7.9	3.4	8.3	1.3	-.1	-.18
20:00	7.7	2.9	6.1	7.9	3.2	8.2	.9	-.1	-.18
21:00	8.6	3.3	6.7	8.8	3.6	9.2	2.5	1.5	-.08
22:00	8.1	3.3	6.3	8.2	3.8	8.6	-.9	-.3	-.28
23:00	8.3	3.8	6.7	8.5	4.0	8.8	.6	-.6	-.18
Avg	.0	3.7	5.5	6.7	4.1	7.1	-.7	-.8	-.23
Max	10.0	5.8	8.1	10.5	6.2	10.6	2.5	2.5	-.06
Hr. of Max	03	10	03	03	10	03	21	12	04
Min	2.4	2.0	2.9	3.8	2.2	3.9	-6.0	-5.4	-.81
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/15/2016

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	-.33	13.3	13.7	16.3	18.5	11.8	3.5	3.1
01:00	-.23	14.0	19.2	19.5	15.3	13.5	2.9	2.4
02:00	-.15	14.9	16.7	18.5	17.0	14.5	1.8	1.4
03:00	-.71	15.3	30.0	26.8	19.5	13.1	.6	.1
04:00	-.22	17.6	16.9	14.7	14.8	9.6	-.8	-1.2
05:00	-.40	9.4	11.0	13.7	14.1	9.7	-1.6	-2.1
06:00	-.23	10.1	12.8	13.3	13.6	12.5	-2.3	-2.7
07:00	.03	8.2	11.9	11.7	15.5	11.0	-3.1	-3.4
08:00	-.02	8.9	10.3	11.0	23.3	12.9	-3.5	-4.2
09:00	.16	8.7	9.4	11.4	24.8	18.8	-3.1	-4.1
10:00	-1.07	14.0	14.0	14.2	19.1	16.8	-3.1	-3.9
11:00	-.29	14.7	13.1	15.6	24.6	21.8	-2.3	-3.3
12:00	.23	12.6	14.0	11.7	22.2	22.2	-1.9	-2.7
13:00	-.77	16.9	13.7	14.4	22.0	20.1	-1.3	-2.2
14:00	-.33	14.4	13.5	13.3	22.5	22.0	-1.2	-2.0
15:00	-.75	10.3	11.2	11.7	21.5	17.4	-1.2	-2.0
16:00	-.03	8.7	9.2	9.8	18.8	14.6	-1.2	-1.9
17:00	-.17	11.0	13.5	11.9	23.6	8.9	-1.7	-2.3
18:00	-.13	6.2	14.0	12.4	20.8	8.6	-2.5	-3.0
19:00	-.09	8.9	13.1	16.3	22.0	8.3	-3.1	-3.6
20:00	-.09	10.3	15.1	17.9	22.6	8.6	-3.7	-4.2
21:00	.10	11.7	15.1	16.5	22.4	8.6	-4.4	-5.0
22:00	-.13	8.9	13.5	22.0	20.9	8.5	-5.0	-5.5
23:00	-.15	10.3	13.1	15.6	19.7	7.6	-5.4	-5.9
Avg	-.24	11.6	14.1	15.0	20.0	13.4	-1.8	-2.4
Max	.23	17.6	30.0	26.8	24.8	22.2	3.5	3.1
Hr. of Max	12	04	03	03	09	12	00	00
Min	-1.07	6.2	9.2	9.8	13.6	7.6	-5.4	-5.9
Count	24	24	24	24	24	24	24	24
Total								