Date Printed: 06/15/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2016

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	23.0	24.5	25.0	25.5	1.48	1.97	2.47	.48	.99
01:00	22.2	23.5	23.9	24.5	1.27	1.64	2.29	.37	1.02
02:00	21.6	22.9	23.1	23.6	1.24	1.47	2.01	.23	.77
03:00	21.2	22.3	22.6	22.9	1.12	1.37	1.67	.25	.55
04:00	20.9	21.9	22.0	22.4	1.02	1.10	1.44	.08	.43
05:00	20.2	21.6	21.8	22.0	1.40	1.62	1.80	.21	.39
06:00	19.9	21.0	21.3	21.6	1.09	1.46	1.78	.37	.69
07:00	20.9	21.4	21.6	21.7	.48	.71	.77	.23	.28
08:00	23.7	23.4	23.2	23.1	-.25	-.45	-.55	-.19	-.29
09:00	25.8	25.1	24.8	24.7	-.70	-1.00	-1.12	-.30	-.42
10:00	27.4	26.6	26.2	26.1	-.85	-1.20	-1.36	-.35	-.51
11:00	29.6	28.4	28.2	28.0	-1.15	-1.43	-1.58	-.28	-.42
12:00	30.8	29.6	29.2	29.1	-1.21	-1.58	-1.69	-.37	-.48
13:00	31.8	30.6	30.2	30.2	-1.23	-1.54	-1.62	-.31	-.39
14:00	32.8	31.4	31.1	31.0	-1.34	-1.66	-1.75	-.32	-.41
15:00	33.5	32.3	31.8	31.7	-1.22	-1.63	-1.76	-.41	-.54
16:00	33.4	32.5	32.1	32.1	-.95	-1.29	-1.37	-.34	-.42
17:00	23.7	23.9	24.3	24.6	.18	.56	.90	.38	.72
18:00	22.4	22.2	22.3	22.8	-.17	-.06	.42	.10	.59
19:00	23.0	22.9	23.0	23.1	-.07	.00	.16	.07	.22
20:00	22.4	22.6	22.8	23.1	.19	.41	.64	.22	.45
21:00	22.0	22.4	22.6	22.8	.45	.56	.82	.12	.37
22:00	21.7	22.2	22.3	22.4	.54	.60	.69	.06	.16
23:00	21.4	21.7	22.2	22.6	.27	.71	1.11	.44	.84
Avg	24.8	24.9	24.9	25.1	.07	.10	.26	.03	.19
Max	33.5	32.5	32.1	32.1	1.48	1.97	2.47	.48	1.02
Hr. of Max	15	16	16	16	00	00	00	00	01
Min	19.9	21.0	21.3	21.6	-1.34	-1.66	-1.76	-.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)

6/14/2016

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	20.5	20.9	21.3	26.2	88.0	82.5	17.7	18.0	0.015694
01:00	20.3	20.8	21.0	25.9	91.4	87.2	17.6	18.0	0.015546
02:00	20.0	20.4	20.5	25.7	92.8	88.4	17.2	17.6	0.015217
03:00	19.8	20.1	20.3	25.5	93.9	89.3	17.1	17.3	0.015039
04:00	19.5	19.7	20.0	25.3	93.7	89.3	16.7	16.9	0.014736
05:00	18.9	19.3	19.3	25.1	94.7	89.0	16.2	16.5	0.014206
06:00	18.5	18.7	19.0	24.9	94.3	89.1	15.8	15.9	0.013858
07:00	19.0	18.2	19.6	24.6	90.9	84.0	16.2	15.4	0.01424
08:00	18.0	17.2	19.9	24.5	72.5	69.7	15.2	14.4	0.013421
09:00	16.9	16.0	19.9	24.3	59.5	58.3	14.1	13.3	0.012529
10:00	17.5	16.4	20.8	24.3	56.1	55.2	14.5	13.6	0.013024
11:00	18.8	17.8	22.4	24.4	53.8	53.9	15.7	14.8	0.014164
12:00	19.7	18.9	23.4	24.7	53.2	54.2	16.5	15.8	0.014978
13:00	19.9	19.3	23.8	25.1	50.9	52.6	16.7	16.1	0.015201
14:00	19.9	19.4	24.2	25.7	48.4	50.3	16.7	16.2	0.015298
15:00	19.8	19.2	24.4	26.1	46.2	47.5	16.5	15.9	0.015197
16:00	20.0	19.5	24.5	26.5	47.0	47.8	16.8	16.3	0.015438
17:00	19.3	19.3	20.8	27.1	80.0	78.8	16.5	16.5	0.014655
18:00	21.0	20.3	21.4	26.9	94.0	91.2	18.3	17.6	0.01618
19:00	21.2	20.8	21.8	26.5	92.3	90.2	18.5	18.0	0.016416
20:00	21.2	21.0	21.6	26.2	95.5	93.2	18.6	18.3	0.016443
21:00	21.0	21.0	21.3	26.1	96.3	94.3	18.3	18.3	0.016151
22:00	20.6	20.8	21.0	25.9	96.1	94.1	17.9	18.1	0.015822
23:00	20.7	21.0	20.9	25.7	97.8	98.3	18.0	18.3	0.015847
Avg	19.7	19.4	21.4	25.6	78.3	76.2	16.8	16.5	0.014971
Max	21.2	21.0	24.5	27.1	97.8	98.3	18.6	18.3	0.016443
Hr. of Max	20	23	16	17	23	23	20	23	20
Min	16.9	16.0	19.0	24.3	46.2	47.5	14.1	13.3	0.012529
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)

6/14/2016

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	0.016075	24.2	24.8	.00	29.01	982.5	-2.4	.00	11.7
01:00	0.016028	24.0	24.7	.00	29.01	982.3	-2.6	.00	7.9
02:00	0.015632	23.5	24.1	.00	29.00	982.2	-2.1	.00	29.1
03:00	0.01532	23.2	23.6	.00	29.00	982.1	-2.4	.00	58.7
04:00	0.014932	22.7	23.0	.00	29.00	982.1	-1.9	.00	41.6
05:00	0.014554	21.9	22.5	.00	29.02	982.7	-2.5	.00	44.8
06:00	0.014009	21.4	21.6	.00	29.02	982.9	9.9	.01	317.4
07:00	0.013555	22.0	21.0	.00	29.03	983.1	116.6	.17	52.9
08:00	0.012709	20.8	19.7	.00	29.04	983.5	337.3	.48	67.8
09:00	0.011772	19.4	18.3	.00	29.05	983.7	541.3	.78	96.0
10:00	0.012168	20.2	18.9	.00	29.04	983.6	718.8	1.03	132.9
11:00	0.013266	21.9	20.5	.00	29.05	983.7	858.8	1.23	196.6
12:00	0.01424	23.1	22.0	.00	29.04	983.4	952.0	1.36	184.8
13:00	0.014639	23.4	22.6	.00	29.01	982.5	989.9	1.42	161.5
14:00	0.014748	23.6	22.7	.00	28.99	981.7	978.9	1.40	147.9
15:00	0.014572	23.4	22.5	.00	28.96	980.8	853.3	1.22	220.2
16:00	0.014896	23.7	22.9	.00	28.94	980.1	514.7	.74	359.6
17:00	0.014633	22.6	22.6	.87	29.00	982.0	51.9	.07	140.9
18:00	0.015548	24.9	23.9	.00	29.00	982.0	130.9	.19	270.6
19:00	0.015983	25.3	24.6	.00	29.02	982.6	82.7	.12	230.8
20:00	0.016227	25.3	25.0	.00	29.02	982.8	21.3	.03	37.4
21:00	0.016242	24.9	25.0	.00	29.03	983.0	-2.0	.00	37.5
22:00	0.015996	24.4	24.7	.00	29.04	983.3	-2.6	.00	36.2
23:00	0.016195	24.4	25.0	.00	29.04	983.6	-2.0	.00	288.7
Avg	0.014747	23.1	22.8	.04	29.02	982.6	297.4	.43	56.0
Max	0.016242	25.3	25.0	.87	29.05	983.7	989.9	1.42	359.6
Hr. of Max	21	20	23	17	11	11	13	13	16
Min	0.011772	19.4	18.3	.00	28.94	980.1	-2.6	.00	7.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	64.9	66.3	13.7	54.4	17.7	21.5	.5	1.4	1.8
01:00	68.9	71.8	8.2	22.6	18.9	12.2	.9	1.5	2.5
02:00	74.6	68.7	31.4	33.7	12.0	6.6	.8	1.7	3.4
03:00	63.3	59.2	63.2	16.8	8.7	4.7	1.5	3.4	5.0
04:00	55.9	70.9	42.6	21.5	15.0	9.7	1.5	2.9	4.2
05:00	52.3	60.2	45.1	44.3	14.7	8.0	1.0	2.2	3.5
06:00	65.7	63.0	313.8	43.5	18.3	13.3	.7	1.7	3.1
07:00	58.9	59.9	68.6	49.4	22.0	10.9	.5	1.9	2.7
08:00	64.0	59.8	70.4	25.0	17.3	13.0	3.3	4.8	5.9
09:00	88.6	81.1	97.6	27.1	27.0	22.9	3.2	3.5	3.5
10:00	133.2	122.0	141.5	35.7	41.1	43.2	1.9	2.0	2.0
11:00	199.3	181.3	196.3	58.5	57.5	49.9	1.4	1.3	1.5
12:00	190.0	181.1	192.3	49.4	38.9	33.9	1.5	2.0	2.2
13:00	188.2	177.5	183.2	60.3	56.4	58.7	.9	.7	.8
14:00	145.1	162.2	182.2	72.8	73.2	69.6	.8	.5	.8
15:00	224.7	212.7	224.1	38.4	33.5	36.8	1.4	1.4	1.7
16:00	343.4	345.4	357.1	63.9	63.0	62.4	.7	.9	.8
17:00	132.7	136.5	150.7	50.2	33.0	28.7	4.6	5.1	7.0
18:00	278.0	267.8	271.9	48.5	45.7	37.8	.9	1.4	2.0
19:00	147.9	167.9	232.9	47.4	40.9	25.4	.6	1.1	2.0
20:00	48.0	66.7	39.0	39.5	33.5	33.7	1.5	2.4	2.6
21:00	51.2	58.7	40.8	25.1	24.2	14.2	2.1	4.1	5.8
22:00	53.7	67.1	37.6	27.4	21.6	15.0	1.9	3.4	4.4
23:00	.8	19.6	278.9	55.2	36.6	12.3	.4	1.8	2.8
Avg	82.0	89.0	58.0	42.1	32.1	26.9	.0	.0	.0
Max	343.4	345.4	357.1	72.8	73.2	69.6	4.6	5.1	7.0
Hr. of Max	16	16	16	14	14	14	17	17	17
Min	.8	19.6	8.2	16.8	8.7	4.7	.4	.5	.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	.8	1.5	1.9	1.1	2.1	1.5	1.8	.01	.08
01:00	1.3	1.6	2.6	1.4	2.8	1.7	1.4	.05	.08
02:00	.8	1.7	3.4	1.1	3.6	1.1	1.0	.01	.07
03:00	1.6	3.5	5.0	1.8	5.2	.0	.3	-.02	.02
04:00	1.7	3.1	4.3	1.9	4.5	-2.5	.6	-.12	.04
05:00	1.1	2.4	3.5	1.3	3.7	1.0	.7	.00	.04
06:00	1.1	2.1	3.3	1.3	3.5	-.6	1.5	-.02	.08
07:00	.7	2.1	2.9	1.1	3.1	3.5	1.7	.03	.07
08:00	3.6	5.0	6.0	4.1	6.3	-1.0	2.0	-.16	.06
09:00	3.5	3.9	3.9	4.2	4.5	2.1	10.3	.09	.83
10:00	2.4	2.5	2.3	3.1	3.0	4.7	-3.1	.24	.00
11:00	2.3	2.2	2.1	2.8	2.7	2.6	14.2	.16	.71
12:00	3.0	3.2	3.1	3.5	3.7	3.0	-2.3	.14	-.06
13:00	2.6	2.7	2.7	3.3	3.5	-9.0	-9.5	-.39	-.54
14:00	2.9	3.3	3.0	3.6	3.7	-5.0	.2	-.27	.12
15:00	3.4	3.7	3.5	3.9	4.1	1.3	-1.9	.02	-.15
16:00	2.5	2.7	2.8	3.0	3.4	-2.5	-3.1	-.24	-.29
17:00	9.1	13.3	16.2	10.0	16.9	.3	.5	-.26	-.29
18:00	2.4	3.4	4.0	2.9	4.4	-2.4	.9	-.16	.15
19:00	2.3	2.4	2.7	2.8	3.2	2.6	2.4	.07	.17
20:00	2.0	3.0	3.2	2.3	3.5	-1.0	2.5	-.11	.10
21:00	2.4	4.4	5.9	2.7	6.2	-4.2	-1.3	-.30	-.14
22:00	2.3	3.9	4.6	2.6	4.8	-4.5	-2.6	-.25	-.22
23:00	.9	2.0	3.0	1.2	3.3	.7	1.5	-.01	.10
Avg	2.4	3.3	4.0	2.8	4.4	-.3	.8	-.06	.04
Max	9.1	13.3	16.2	10.0	16.9	4.7	14.2	.24	.83
Hr. of Max	17	17	17	17	17	10	11	10	09
Min	.7	1.5	1.9	1.1	2.1	-9.0	-9.5	-.39	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	1.8	3.0	3.2	2.3	3.4	8.3	5.5	26.0	26.8
01:00	2.7	3.4	4.6	3.1	4.8	8.6	4.2	25.1	25.8
02:00	2.5	4.4	7.8	2.6	5.2	9.6	3.2	24.4	24.9
03:00	3.4	6.4	7.6	3.8	7.9	8.7	3.5	23.8	24.2
04:00	4.4	6.6	9.2	4.6	7.6	11.8	3.9	23.4	23.6
05:00	3.4	5.0	9.8	4.1	6.0	10.3	4.8	23.0	23.1
06:00	3.4	5.5	7.6	3.5	6.7	9.5	4.5	22.3	22.7
07:00	4.1	5.5	6.0	4.2	6.1	17.9	8.8	22.8	22.6
08:00	8.9	11.0	11.7	11.2	11.8	19.7	12.9	24.7	24.0
09:00	8.7	14.2	13.1	9.3	9.7	18.9	22.3	26.1	25.4
10:00	6.2	6.0	7.6	6.8	7.1	25.1	31.1	27.6	26.8
11:00	6.6	7.3	7.6	7.2	7.7	29.7	32.6	29.5	28.9
12:00	7.3	8.7	8.5	8.1	9.1	25.4	28.6	30.7	29.9
13:00	7.8	7.6	8.0	9.5	9.8	26.9	34.9	31.9	31.1
14:00	8.5	8.7	8.7	9.6	9.6	25.4	32.8	32.7	32.0
15:00	9.8	14.7	14.4	8.9	11.3	22.3	26.6	33.3	32.4
16:00	7.6	6.9	6.9	7.1	7.1	26.2	28.7	33.8	32.9
17:00	37.8	40.5	46.7	37.4	46.4	18.3	10.9	25.4	25.7
18:00	11.7	16.3	20.8	15.3	19.0	15.5	17.8	23.9	23.9
19:00	11.0	12.8	14.9	14.7	17.6	18.8	18.8	24.6	24.3
20:00	6.2	8.7	6.6	6.9	7.0	15.3	13.3	24.2	24.3
21:00	7.6	9.4	12.1	8.0	12.3	15.0	7.1	24.1	24.1
22:00	5.3	7.1	8.0	5.6	8.7	12.0	7.5	23.8	23.7
23:00	3.9	7.8	7.6	3.7	6.1	14.1	6.5	23.4	23.8
Avg	7.5	9.5	10.8	8.2	10.3	17.2	15.5	26.3	26.1
Max	37.8	40.5	46.7	37.4	46.4	29.7	34.9	33.8	32.9
Hr. of Max	17	17	17	17	17	11	13	16	16
Min	1.8	3.0	3.2	2.3	3.4	8.3	3.2	22.3	22.6
Count	24	24	24	24	24	24	24	24	24
Total									