Date Printed: 08/16/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2016

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	23.9	25.7	25.8	26.2	1.81	1.96	2.31	.14	.49
01:00	23.2	24.9	25.1	25.6	1.75	1.96	2.44	.22	.69
02:00	22.5	24.0	24.3	24.7	1.46	1.74	2.16	.28	.70
03:00	21.9	23.1	23.6	24.2	1.16	1.72	2.30	.56	1.14
04:00	21.8	22.9	23.4	23.9	1.10	1.54	2.04	.44	.94
05:00	21.9	22.9	23.1	23.3	.97	1.15	1.34	.17	.36
06:00	22.1	22.7	23.1	23.4	.66	1.01	1.28	.36	.62
07:00	22.7	23.2	23.3	23.4	.46	.62	.73	.15	.27
08:00	25.0	24.7	24.4	24.3	-.35	-.57	-.69	-.22	-.34
09:00	27.2	26.5	26.2	26.1	-.73	-1.06	-1.18	-.33	-.45
10:00	28.6	27.6	27.3	27.2	-.98	-1.31	-1.39	-.32	-.40
11:00	30.0	28.7	28.4	28.3	-1.29	-1.65	-1.78	-.36	-.49
12:00	31.1	29.7	29.3	29.2	-1.41	-1.78	-1.89	-.37	-.49
13:00	32.1	30.7	30.4	30.2	-1.40	-1.77	-1.91	-.37	-.51
14:00	32.3	31.1	30.7	30.5	-1.18	-1.63	-1.77	-.45	-.59
15:00	32.6	31.3	30.9	30.8	-1.29	-1.68	-1.83	-.39	-.53
16:00	32.2	31.2	30.8	30.7	-1.03	-1.36	-1.51	-.32	-.48
17:00	32.4	31.3	30.9	30.8	-1.11	-1.42	-1.60	-.31	-.49
18:00	31.4	30.6	30.3	30.2	-.76	-1.05	-1.17	-.29	-.41
19:00	29.2	28.9	28.8	28.8	-.35	-.44	-.44	-.08	-.09
20:00	23.7	23.8	24.2	24.6	.20	.50	.94	.31	.74
21:00	23.4	23.4	23.4	23.6	-.01	.03	.22	.04	.23
22:00	23.1	23.3	23.3	23.5	.16	.19	.34	.03	.18
23:00	23.0	23.0	23.1	23.2	.05	.12	.21	.07	.17
Avg	26.6	26.5	26.4	26.5	-.09	-.13	-.04	-.04	.05
Max	32.6	31.3	30.9	30.8	1.81	1.96	2.44	.56	1.14
Hr. of Max	15	17	17	17	00	01	01	03	03
Min	21.8	22.7	23.1	23.2	-1.41	-1.78	-1.91	-.45	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2016

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	20.5	20.5	21.6	28.8	83.4	75.3	17.6	17.6	0.015555
01:00	20.3	20.4	21.3	28.6	86.1	78.2	17.5	17.5	0.015407
02:00	20.1	20.3	20.9	28.4	88.3	82.3	17.3	17.5	0.015187
03:00	19.9	20.5		28.2	90.4	87.7	17.1	17.7	0.014971
04:00	19.9	20.6	20.6	28.0	91.1	88.8	17.2	17.8	0.01503
05:00	20.1	20.7	20.7	27.8	91.4	89.8	17.3	18.0	0.015175
06:00	20.2	20.8	20.8	27.6	91.4	91.0	17.4	18.0	0.015283
07:00	20.7	21.0	21.4	27.4	91.0	89.9	18.0	18.2	0.015807
08:00	21.1	20.6	22.4	27.3	81.1	80.4	18.2	17.7	0.016164
09:00	20.4	19.7	22.7	27.2	68.2	68.2	17.4	16.7	0.015499
10:00	19.9	19.4	22.8	27.2	61.0	62.4	16.8	16.3	0.01504
11:00	19.6	19.1	23.1	27.2	55.2	57.6	16.5	16.0	0.014786
12:00	19.7	19.4	23.5	27.5	52.4	55.7	16.5	16.3	0.014912
13:00	19.6	19.3	23.8	27.9	49.2	52.2	16.4	16.1	0.014866
14:00	19.3	19.1		28.4	47.9	50.3	16.1	15.9	0.0146
15:00	17.8	17.7	22.8	28.8	42.8	45.5	14.7	14.6	0.013289
16:00	18.8	18.6	23.3	29.1	46.6	48.6	15.6	15.4	0.014165
17:00	19.4	19.1	23.7	29.4	48.0	50.0	16.2	15.9	0.014701
18:00	19.9	19.8	23.7	29.6	52.3	54.3	16.7	16.6	0.015121
19:00	20.6	20.4	23.4	29.7	62.1	62.7	17.5	17.4	0.015746
20:00	21.6	21.5	22.3	29.6	91.1	89.0	19.0	18.7	0.016768
21:00	22.0	22.1	22.4	29.4	94.4	95.4	19.3	19.5	0.017087
22:00	21.7	21.9	22.2	29.2	94.5	94.3	19.1	19.2	0.01683
23:00	21.7	21.9	22.1	28.9	94.9	96.0	19.0	19.3	0.016761
Avg	20.2	20.2	22.3	28.4	73.1	72.7	17.3	17.2	0.015365
Max	22.0	22.1	23.8	29.7	94.9	96.0	19.3	19.5	0.017087
Hr. of Max	21	21	13	19	23	23	21	21	21
Min	17.8	17.7	20.6	27.2	42.8	45.5	14.7	14.6	0.013289
Count	24	24	22	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)

8/15/2016

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	0.015644	24.1	24.3	.00	29.22	989.6	-2.3	.00	36.4
01:00	0.015536	23.9	24.1	.00	29.23	989.7	-2.1	.00	42.5
02:00	0.015451	23.6	24.0	.00	29.22	989.7	-2.5	.00	16.4
03:00	0.015579	23.3	24.2	.00	29.23	989.7	-1.8	.00	356.5
04:00	0.015647	23.3	24.3	.00	29.22	989.6	-2.4	.00	21.8
05:00	0.015829	23.6	24.6	.00	29.22	989.6	-2.0	.00	66.6
06:00	0.015835	23.8	24.6	.00	29.25	990.4	-.8	.00	280.5
07:00	0.016062	24.6	24.9	.00	29.26	991.0	48.9	.07	65.2
08:00	0.015679	25.1	24.4	.00	29.27	991.1	265.2	.38	78.4
09:00	0.014858	24.1	23.1	.00	29.27	991.2	478.4	.69	187.6
10:00	0.014528	23.4	22.6	.00	29.27	991.3	661.9	.95	232.0
11:00	0.01431	23.0	22.3	.00	29.28	991.5	800.8	1.15	238.7
12:00	0.01462	23.2	22.8	.00	29.27	991.1	854.1	1.22	219.1
13:00	0.014543	23.1	22.6	.00	29.25	990.4	831.0	1.19	234.9
14:00	0.014334	22.7	22.3	.00	29.23	989.8	767.0	1.10	194.7
15:00	0.013141	20.7	20.5	.00	29.21	989.3	880.0	1.26	173.4
16:00	0.013906	22.0	21.6	.00	29.20	988.8	527.4	.76	224.1
17:00	0.014391	22.8	22.3	.00	29.18	988.1	474.7	.68	263.4
18:00	0.015039	23.5	23.3	.00	29.18	988.1	265.5	.38	312.0
19:00	0.015606	24.4	24.2	.20	29.19	988.6	80.1	.11	322.7
20:00	0.016569	26.0	25.7	.11	29.22	989.4	17.3	.02	358.0
21:00	0.017243	26.5	26.7	.00	29.24	990.3	-2.5	.00	47.9
22:00	0.01697	26.1	26.3	.00	29.27	991.2	-2.4	.00	49.1
23:00	0.017001	26.0	26.4	.00	29.27	991.2	-1.9	.00	33.8
Avg	0.015347	23.9	23.8	.01	29.24	990.0	288.8	.42	350.0
Max	0.017243	26.5	26.7	.20	29.28	991.5	880.0	1.26	358.0
Hr. of Max	21	21	21	19	11	11	15	15	20
Min	0.013141	20.7	20.5	.00	29.18	988.1	-2.5	.00	16.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2016

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	57.2	64.5	38.2	52.4	26.9	11.9	6.4	1.2	2.4
01:00	64.0	61.4	46.0	48.6	23.2	12.1	10.1	1.4	2.7
02:00	69.4	67.9	25.4	55.5	36.3	14.2	6.6	.6	1.5
03:00	50.5	54.3	343.3	36.7	62.2	24.7	7.7	.4	1.4
04:00	62.1	80.8	36.3	68.6	35.9	20.8	15.1	.3	1.6
05:00	65.1	65.7	70.3	52.4	55.7	17.4	8.2	.5	1.6
06:00	42.1	49.0	272.6	34.7	52.3	25.5	18.3	.3	1.3
07:00	35.9	25.3	82.4	10.7	58.7	27.1	18.9	.2	1.5
08:00	77.6	73.1	84.1	61.5	30.4	23.9	18.8	2.2	2.6
09:00	199.8	202.9	195.6	199.5	38.0	33.7	31.8	1.6	2.0
10:00	242.4	242.7	238.1	236.6	46.1	31.5	26.9	2.7	3.6
11:00	246.7	243.2	246.5	236.6	37.1	30.4	24.8	4.2	5.5
12:00	231.2	228.8	227.1	221.9	46.4	38.3	37.0	3.9	4.9
13:00	236.9	232.6	240.8	225.5	36.3	29.2	25.1	3.6	4.9
14:00	203.6	202.1	201.3	195.4	26.6	22.8	18.5	5.4	7.1
15:00	182.0	182.8	178.4	175.9	35.9	30.5	24.9	6.0	7.7
16:00	230.6	228.9	230.8	221.8	28.3	24.7	20.6	4.4	5.6
17:00	267.9	266.3	268.5	258.9	25.5	19.3	17.9	5.2	6.7
18:00	314.3	308.9	310.9	298.0	28.0	21.9	19.8	2.7	3.6
19:00	352.6	4.4	319.0	342.2	26.8	19.4	17.0	.9	.7
20:00	70.1	91.0	325.4	78.1	50.9	64.3	51.6	.5	1.3
21:00	57.4	65.6	49.1	53.1	33.9	20.8	12.6	2.0	3.6
22:00	57.3	58.3	50.2	45.9	35.4	22.0	16.7	2.1	3.5
23:00	51.2	65.5	35.7	53.5	16.4	12.5	10.3	2.2	3.5
Avg	56.0	72.0	334.0	46.0	37.2	25.0	19.4	.0	.0
Max	352.6	308.9	343.3	342.2	62.2	64.3	51.6	6.0	7.7
Hr. of Max	19	18	03	19	03	20	20	15	15
Min	35.9	4.4	25.4	10.7	16.4	11.9	6.4	.2	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2016

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	3.8	1.3	2.4	3.8	1.4	4.0	.0	1.2	-.01
01:00	3.8	1.5	2.8	3.9	1.6	4.1	.1	-.2	.00
02:00	2.8	.7	1.6	2.9	.9	3.0	-.6	2.2	-.01
03:00	1.8	.8	1.5	1.9	1.0	2.1	1.8	.0	.03
04:00	2.2	.8	1.8	2.5	1.0	2.7	3.4	1.4	.07
05:00	2.6	.7	1.7	2.6	1.0	2.9	.8	.2	.01
06:00	2.4	1.0	1.8	2.9	1.3	3.1	1.6	1.2	.03
07:00	2.9	.9	2.0	3.4	1.3	3.6	1.7	2.4	.02
08:00	2.9	2.5	2.9	3.2	2.9	3.5	1.2	3.7	.02
09:00	2.4	2.6	3.0	3.2	3.1	3.7	-.4	-5.7	-.06
10:00	4.0	3.5	4.1	4.4	4.1	5.0	-1.6	-2.9	-.20
11:00	6.5	5.1	6.3	7.1	5.6	7.8	-3.8	-2.2	-.48
12:00	5.3	5.1	6.0	6.4	5.7	7.0	1.0	-.6	-.13
13:00	5.5	4.5	5.5	6.1	5.1	6.8	.7	.2	-.11
14:00	8.3	6.0	7.6	8.7	6.7	9.2	1.8	.3	-.07
15:00	9.4	7.0	8.6	10.2	7.9	10.9	3.1	.6	.07
16:00	6.7	5.7	6.9	8.0	6.2	8.5	-1.1	-1.8	-.30
17:00	7.4	5.8	7.1	7.8	6.2	8.3	-4.3	-1.8	-.60
18:00	4.0	3.3	4.3	4.7	3.6	5.0	-3.2	-3.1	-.44
19:00	.9	3.8	5.9	6.7	4.0	6.9	.7	-.7	.01
20:00	2.7	2.8	3.7	4.5	3.3	5.0	-2.4	1.0	-.09
21:00	4.4	2.3	3.9	4.6	2.6	4.8	-3.2	.3	-.30
22:00	4.7	2.4	3.9	5.1	2.7	5.3	-4.7	-.7	-.26
23:00	4.3	2.3	3.7	4.5	2.5	4.7	-6.3	-1.5	-.33
Avg	.0	3.0	4.1	5.0	3.4	5.3	-.6	-.3	-.13
Max	9.4	7.0	8.6	10.2	7.9	10.9	3.4	3.7	.07
Hr. of Max	15	15	15	15	15	15	04	08	15
Min	.9	.7	1.5	1.9	.9	2.1	-6.3	-5.7	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2016

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	.07	3.2	4.8	6.0	9.2	4.4	27.2	27.4
01:00	-.01	3.2	6.0	9.6	9.5	3.5	26.4	26.8
02:00	.12	2.1	3.9	6.6	8.7	4.8	25.5	26.0
03:00	.02	2.7	3.2	6.0	8.8	5.8	24.6	25.5
04:00	.05	3.9	4.1	6.4	9.6	6.2	24.5	25.2
05:00	.01	2.7	3.9	4.4	10.7	6.2	24.5	24.6
06:00	.07	2.5	3.9	6.2	10.4	5.2	24.3	24.7
07:00	.16	3.0	4.8	5.7	16.9	6.5	24.8	24.8
08:00	.27	6.6	6.0	6.6	20.5	21.4	26.4	25.7
09:00	-.32	8.5	8.9	8.5	24.4	25.3	27.9	27.1
10:00	-.46	10.5	10.3	13.1	22.7	24.7	28.9	28.0
11:00	-.47	13.7	12.6	14.0	19.5	18.8	29.9	28.9
12:00	-.24	11.7	14.9	14.7	20.5	19.2	30.8	29.9
13:00	-.15	12.8	13.3	13.7	23.0	20.8	31.9	30.8
14:00	-.15	18.8	20.6	21.1	18.1	15.2	32.1	31.1
15:00	-.16	25.6	37.3	39.6	20.9	17.3	32.2	31.2
16:00	-.42	15.1	17.6	15.8	17.7	14.0	32.2	31.3
17:00	-.37	12.6	14.9	16.0	16.2	13.0	32.4	31.5
18:00	-.47	10.1	10.8	10.8	22.5	15.4	32.0	31.1
19:00	-.05	21.8	26.1	29.5	18.3	8.0	30.3	29.9
20:00	.10	12.4	15.8	22.2	19.4	18.8	25.6	26.0
21:00	-.03	7.1	10.8	10.8	16.5	8.6	25.2	25.1
22:00	-.08	6.6	9.8	13.3	12.0	6.0	25.1	24.9
23:00	-.14	4.8	6.2	8.5	11.6	6.7	24.8	24.6
Avg	-.11	9.3	11.3	12.9	16.2	12.3	27.9	27.6
Max	.27	25.6	37.3	39.6	24.4	25.3	32.4	31.5
Hr. of Max	08	15	15	15	09	09	17	17
Min	-.47	2.1	3.2	4.4	8.7	3.5	24.3	24.6
Count	24	24	24	24	24	24	24	24
Total								