Date Printed: 09/09/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2016

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	21.1	22.7	23.0	23.8	1.65	1.96	2.73	.31	1.08
01:00	20.3	21.8	22.3	23.0	1.53	2.09	2.75	.56	1.22
02:00	19.6	21.0	21.6	22.5	1.38	1.96	2.90	.59	1.53
03:00	19.2	20.3	20.9	21.4	1.10	1.64	2.19	.54	1.09
04:00	18.7	19.9	20.3	21.0	1.20	1.59	2.28	.40	1.08
05:00	18.5	19.5	19.9	20.4	1.03	1.44	1.88	.41	.85
06:00	18.2	19.2	19.7	20.1	.98	1.48	1.89	.50	.91
07:00	18.0	18.9	19.5	20.0	.85	1.46	1.92	.61	1.08
08:00	20.6	20.4	20.3	20.6	-.19	-.27	.07	-.08	.26
09:00	23.9	23.4	23.1	23.0	-.53	-.79	-.90	-.26	-.37
10:00	27.0	26.0	25.7	25.6	-1.02	-1.34	-1.44	-.31	-.41
11:00	29.8	28.6	28.2	28.0	-1.21	-1.60	-1.72	-.39	-.51
12:00	32.0	30.6	30.2	30.1	-1.42	-1.84	-1.97	-.42	-.55
13:00	33.0	31.6	31.2	31.1	-1.42	-1.87	-1.98	-.44	-.55
14:00	32.6	31.6	31.3	31.2	-.96	-1.22	-1.32	-.26	-.37
15:00	33.4	32.2	31.9	31.8	-1.16	-1.46	-1.57	-.29	-.40
16:00	34.0	32.8	32.4	32.3	-1.24	-1.59	-1.74	-.35	-.50
17:00	33.8	32.9	32.5	32.4	-.89	-1.28	-1.44	-.39	-.54
18:00	32.8	32.5	32.2	32.2	-.36	-.59	-.66	-.24	-.30
19:00	28.7	30.2	30.8	31.2	1.54	2.18	2.50	.64	.96
20:00	25.3	27.5	28.5	29.6	2.13	3.17	4.29	1.04	2.15
21:00	23.5	25.9	26.9	27.8	2.38	3.37	4.33	.99	1.95
22:00	22.3	24.5	25.3	26.5	2.17	3.00	4.20	.82	2.03
23:00	21.2	23.1	24.4	25.6	1.88	3.20	4.35	1.32	2.47
Avg	25.3	25.7	25.9	26.3	.39	.61	.98	.22	.59
Max	34.0	32.9	32.5	32.4	2.38	3.37	4.35	1.32	2.47
Hr. of Max	16	17	17	17	21	21	23	23	23
Min	18.0	18.9	19.5	20.0	-1.42	-1.87	-1.98	-.44	-.55
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)

9/8/2016

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	17.3	17.6	18.5	27.7	80.5	74.4	14.6	14.8	0.012692
01:00	17.1	17.7	18.2	27.4	83.9	79.3	14.5	14.9	0.012577
02:00	17.1	17.9	17.9	27.2	87.2	84.5	14.5	15.2	0.012565
03:00	17.0	17.9	17.8	27.0	88.8	87.6	14.4	15.2	0.012493
04:00	16.8	17.8	17.5	26.7	90.5	89.4	14.3	15.1	0.012341
05:00	16.7	17.7	17.3	26.5	91.1	90.9	14.2	15.0	0.01224
06:00	16.6	17.7	17.1	26.3	92.0	92.8	14.1	15.0	0.01213
07:00	16.5	17.6	17.0	26.0	92.3	93.9	14.0	14.9	0.012036
08:00	17.5	17.1	18.5	25.8	84.5	83.3	14.8	14.4	0.012886
09:00	16.4	15.6	18.9	25.7	64.5	63.1	13.7	13.0	0.012034
10:00	16.7	16.2	20.1	25.6	54.7	56.3	13.8	13.5	0.012303
11:00	17.0	16.8	21.3	25.7	47.6	50.2	14.0	13.9	0.012585
12:00	16.1	15.9	21.4	26.0	39.8	42.5	13.2	13.1	0.011955
13:00	14.9	14.9	20.9	26.5	34.7	37.6	12.2	12.3	0.011054
14:00	14.7	14.6	20.7	27.1	35.2	36.9	12.1	12.0	0.01092
15:00	14.0	13.9	20.5	27.5	32.2	34.1	11.6	11.5	0.010491
16:00	13.6	13.5	20.4	27.8	30.3	32.1	11.3	11.2	0.010241
17:00	14.1	13.9	20.7	28.1	31.6	32.8	11.6	11.5	0.010541
18:00	14.6	14.1	20.7	28.3	34.6	34.0	12.0	11.6	0.010894
19:00	17.0	15.5	20.9	28.4	51.0	42.4	14.1	12.8	0.012658
20:00	16.7	15.6	19.6	28.4	60.5	49.6	13.9	12.9	0.012361
21:00	16.5	16.0	18.9	28.2	66.4	55.8	13.8	13.3	0.012173
22:00	16.6	16.4	18.5	28.0	71.8	62.2	13.9	13.7	0.012223
23:00	16.7	16.8	18.2	27.8	77.2	69.2	14.1	14.1	0.012318
Avg	16.2	16.2	19.2	27.1	63.5	61.5	13.5	13.5	0.011946
Max	17.5	17.9	21.4	28.4	92.3	93.9	14.8	15.2	0.012886
Hr. of Max	08	03	12	20	07	07	08	03	08
Min	13.6	13.5	17.0	25.6	30.3	32.1	11.3	11.2	0.010241
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2016

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	0.012987	19.8	20.2	.00	29.19	988.4	-2.3	.00	35.4
01:00	0.013059	19.6	20.3	.00	29.18	988.3	-2.5	.00	343.2
02:00	0.013249	19.6	20.6	.00	29.18	988.2	-1.6	.00	274.0
03:00	0.013203	19.5	20.5	.00	29.18	988.2	-1.7	.00	309.2
04:00	0.013143	19.2	20.4	.00	29.18	988.1	-2.7	.00	317.4
05:00	0.013026	19.1	20.3	.00	29.18	988.1	-2.6	.00	349.6
06:00	0.01302	18.9	20.3	.00	29.18	988.2	-1.7	.00	26.0
07:00	0.012921	18.8	20.1	.00	29.19	988.7	27.6	.04	254.1
08:00	0.012544	20.1	19.5	.00	29.20	988.9	187.3	.27	125.7
09:00	0.011409	18.8	17.8	.00	29.20	988.8	404.7	.58	189.2
10:00	0.011918	19.2	18.6	.00	29.20	988.9	593.5	.85	219.9
11:00	0.012375	19.6	19.3	.00	29.20	988.7	712.9	1.02	203.8
12:00	0.011785	18.6	18.4	.00	29.18	988.3	808.0	1.16	222.0
13:00	0.011062	17.2	17.3	.00	29.17	987.7	851.9	1.22	229.0
14:00	0.010852	17.0	16.9	.00	29.15	987.2	371.5	.53	242.6
15:00	0.010395	16.4	16.2	.00	29.12	986.3	604.5	.87	264.0
16:00	0.010108	16.0	15.8	.00	29.10	985.5	653.2	.94	257.4
17:00	0.010416	16.4	16.2	.00	29.09	985.0	365.9	.52	239.0
18:00	0.010529	16.9	16.4	.00	29.08	984.7	192.8	.28	239.8
19:00	0.011519	19.6	17.9	.00	29.07	984.5	31.1	.04	273.9
20:00	0.011505	19.2	17.9	.00	29.09	985.1	-2.2	.00	302.0
21:00	0.011801	18.9	18.4	.00	29.12	986.1	-2.5	.00	293.5
22:00	0.012081	19.0	18.8	.00	29.12	986.2	-1.6	.00	303.6
23:00	0.012367	19.1	19.2	.00	29.12	986.1	-2.9	.00	267.2
Avg	0.01197	18.6	18.6	.00	29.15	987.3	240.9	.35	269.0
Max	0.013249	20.1	20.6	.00	29.20	988.9	851.9	1.22	349.6
Hr. of Max	02	08	02	23	11	10	13	13	05
Min	0.010108	16.0	15.8	.00	29.07	984.5	-2.9	.00	26.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2016

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	68.7	76.8	34.8	61.2	35.2	10.8	9.6	.5	1.4
01:00	58.9	53.2	341.7	27.9	23.6	13.6	11.7	.5	1.0
02:00	108.5	103.1	269.8	267.4	34.5	38.7	31.1	.6	.1
03:00	46.0	82.3	299.4	48.9	25.0	21.1	11.0	.3	.6
04:00	55.4	88.3	309.1	76.8	40.0	15.4	19.1	.4	.5
05:00	61.9	63.5	306.9	47.4	60.1	23.9	10.6	.2	.9
06:00	57.2	57.1	358.5	42.4	42.6	17.8	8.1	.2	1.2
07:00	210.2	37.5	250.9	17.1	34.5	36.9	41.0	.8	.3
08:00	87.8	85.0	144.7	36.3	41.9	56.9	45.2	.2	.3
09:00	199.7	190.5	199.6	193.3	37.0	33.9	29.9	1.1	1.1
10:00	225.6	214.0	229.6	209.6	35.6	28.9	25.1	2.2	2.7
11:00	213.1	211.2	211.3	204.9	27.1	20.7	17.4	3.6	4.3
12:00	233.6	231.9	227.3	225.1	46.3	35.2	32.6	3.4	4.5
13:00	234.9	232.6	235.0	226.0	43.6	33.5	27.0	3.7	5.1
14:00	254.2	255.5	248.9 +	249.0	35.4	22.5	19.2	3.7	5.2
15:00	272.2	273.4	267.3	264.8	40.7	33.0	29.9	3.4	4.4
16:00	262.9	262.9	260.2	255.2	45.3	34.3	32.4	3.0	4.3
17:00	246.8	248.4	237.9	241.3	65.6	51.0	45.9	2.7	3.8
18:00	245.7	244.4	243.7	238.0	23.9	15.5	12.2	3.0	4.5
19:00	242.2	245.9	274.7	239.8	19.9	10.1	6.9	1.3	2.7
20:00	259.9	237.2	297.0	233.0	11.8	18.1	5.7	.7	.8
21:00	221.7	233.7	272.7	231.8	31.4	50.1	9.7	.6	.6
22:00	170.3	234.2	292.8	232.2	36.6	28.6	14.3	.3	.2
23:00	246.2	213.3	265.9	210.8	19.3	31.2	6.3	1.1	1.4
Avg	220.0	212.0	266.0	241.0	35.7	28.4	20.9	.0	.0
Max	272.2	273.4	358.5	267.4	65.6	56.9	45.9	3.7	5.2
Hr. of Max	15	15	06	02	17	08	17	14	14
Min	46.0	37.5	34.8	17.1	11.8	10.1	5.7	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2016

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	1.3	.6	1.5	1.3	.8	1.6	2.0	.7	.04
01:00	1.0	.6	1.0	1.1	.8	1.5	2.5	-.2	.04
02:00	.2	.7	.1	.4	1.0	.8	.5	.1	.01
03:00	.4	.3	.7	.4	.7	.7	1.8	.1	.02
04:00	.5	.6	.6	.5	.9	.9	.7	-1.1	.01
05:00	1.6	.4	1.1	1.6	.7	1.8	1.9	.0	.03
06:00	2.2	.4	1.4	2.3	.6	2.5	2.2	.8	.03
07:00	1.0	1.0	1.1	1.5	1.3	1.8	-.1	.9	-.01
08:00	.4	.3	.6	.9	.8	1.2	7.0	-.3	.18
09:00	1.2	1.2	1.3	1.4	1.7	1.9	-2.6	-16.0	-.09
10:00	2.8	2.6	3.0	3.0	3.2	3.6	-2.3	-7.8	-.16
11:00	4.8	4.1	4.6	5.0	4.6	5.5	-1.8	-6.0	-.29
12:00	5.0	4.2	5.0	5.6	4.7	6.2	1.3	.9	-.14
13:00	6.0	4.9	6.1	6.9	5.5	7.7	1.5	-3.5	-.09
14:00	6.0	4.2	5.5	6.2	4.7	6.8	-1.7	-5.8	-.32
15:00	5.0	4.3	5.1	5.8	4.7	6.3	1.1	.5	-.09
16:00	4.9	4.4	5.5	6.2	4.9	6.8	-2.6	-.1	-.29
17:00	4.6	3.8	4.7	5.3	4.4	5.9	1.6	3.3	-.04
18:00	5.3	3.3	4.7	5.4	3.9	5.8	-.5	-1.5	-.17
19:00	4.2	1.4	2.9	4.3	1.7	4.5	-1.0	-.1	-.05
20:00	2.3	.8	.8	2.3	1.0	2.5	-.5	1.1	-.01
21:00	1.4	.7	.6	1.5	1.0	1.7	1.4	-.7	.02
22:00	1.4	.4	.4	1.5	.6	1.7	2.3	.4	.03
23:00	2.6	1.2	1.5	2.6	1.4	2.8	.6	-1.0	.01
Avg	.0	1.9	2.5	3.0	2.3	3.4	.6	-1.5	-.06
Max	6.0	4.9	6.1	6.9	5.5	7.7	7.0	3.3	.18
Hr. of Max	14	13	13	13	13	13	08	17	08
Min	.2	.3	.1	.4	.6	.7	-2.6	-16.0	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	.04	2.1	3.0	3.0	6.5	5.2	23.9	24.8
01:00	.00	1.8	2.3	4.4	8.5	5.6	22.9	24.0
02:00	.01	1.8	2.3	1.6	6.4	6.3	22.2	23.6
03:00	.01	2.3	2.1	2.1	8.2	5.2	21.6	22.4
04:00	-.02	1.8	2.5	3.7	5.6	4.6	21.2	22.1
05:00	.01	1.8	2.5	2.7	7.4	3.8	20.8	21.4
06:00	.04	1.6	2.5	3.4	8.0	3.7	20.4	21.1
07:00	.03	3.0	3.4	5.0	7.9	7.3	20.1	21.1
08:00	-.02	2.5	2.7	2.7	24.8	12.3	21.8	21.7
09:00	-.56	3.9	4.1	4.1	29.7	26.6	24.4	23.6
10:00	-.46	7.8	6.4	6.9	25.2	26.3	26.9	26.1
11:00	-.63	10.5	11.7	10.8	21.1	19.2	29.4	28.4
12:00	-.18	13.1	12.4	13.5	23.7	22.1	31.3	30.3
13:00	-.58	14.9	15.3	16.9	23.8	20.7	32.2	31.1
14:00	-.74	11.4	11.9	12.6	19.2	14.0	32.2	31.4
15:00	-.19	12.6	12.6	12.1	21.6	20.7	32.8	31.9
16:00	-.18	12.6	13.7	13.5	21.7	20.5	33.3	32.3
17:00	-.01	19.7	14.7	17.2	23.1	21.0	33.5	32.6
18:00	-.16	9.8	11.9	11.4	15.8	9.7	33.0	32.3
19:00	-.02	5.3	7.8	9.8	9.5	3.8	31.0	31.5
20:00	.05	2.5	4.1	6.9	6.1	2.2	28.3	30.2
21:00	-.02	2.3	2.1	4.6	4.8	3.3	26.7	28.5
22:00	.01	1.4	1.6	3.0	7.4	5.2	25.4	27.3
23:00	-.04	2.7	3.0	3.9	5.1	2.5	24.1	26.5
Avg	-.15	6.2	6.5	7.3	14.2	11.3	26.6	26.9
Max	.05	19.7	15.3	17.2	29.7	26.6	33.5	32.6
Hr. of Max	20	17	13	17	09	09	17	17
Min	-.74	1.4	1.6	1.6	4.8	2.2	20.1	21.1
Count	24	24	24	24	24	24	24	24
Total								