Date Printed: 08/29/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2016

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	22.5	23.6	23.8	24.0	1.09	1.28	1.50	.19	.41
01:00	22.2	23.0	23.4	23.7	.83	1.27	1.50	.44	.67
02:00	21.8	22.4	22.8	23.0	.65	1.00	1.26	.35	.61
03:00	21.2	21.8	22.4	22.8	.63	1.24	1.60	.61	.97
04:00	20.8	21.6	22.0	22.4	.78	1.18	1.57	.40	.79
05:00	20.9	21.6	21.7	22.0	.71	.78	1.03	.07	.32
06:00	20.6	21.4	21.5	21.7	.81	.92	1.16	.12	.35
07:00	20.9	21.5	21.6	21.7	.61	.69	.84	.08	.23
08:00	22.9	22.8	22.6	22.6	-.10	-.27	-.34	-.17	-.24
09:00	25.3	24.7	24.5	24.3	-.57	-.84	-.96	-.26	-.39
10:00	27.8	26.9	26.5	26.2	-.89	-1.27	-1.56	-.38	-.67
11:00	29.8	28.7	28.4	28.2	-1.03	-1.40	-1.57	-.37	-.54
12:00	31.6	30.5	30.1	30.0	-1.15	-1.49	-1.66	-.34	-.52
13:00	32.9	31.6	31.3	31.1	-1.31	-1.63	-1.81	-.32	-.50
14:00	33.3	32.1	31.6	31.5	-1.25	-1.67	-1.86	-.42	-.61
15:00	34.2	32.9	32.4	32.2	-1.31	-1.82	-2.05	-.51	-.73
16:00	34.2	33.3	32.8	32.6	-.97	-1.41	-1.62	-.44	-.65
17:00	33.7	33.0	32.8	32.7	-.68	-.94	-1.07	-.25	-.38
18:00	26.4	26.5	26.4	26.5	.01	-.02	.10	-.03	.09
19:00	24.3	24.4	24.4	24.5	.06	.11	.18	.05	.12
20:00	23.6	23.6	23.6	23.6	-.03	-.03	.06	.00	.09
21:00	22.7	22.6	22.8	23.1	-.14	.05	.39	.19	.53
22:00	22.7	22.7	22.8	23.0	.02	.15	.32	.13	.30
23:00	22.4	22.3	22.5	22.8	-.12	.08	.35	.19	.46
Avg	25.8	25.6	25.6	25.7	-.14	-.17	-.11	-.03	.03
Max	34.2	33.3	32.8	32.7	1.09	1.28	1.60	.61	.97
Hr. of Max	16	16	17	17	00	00	03	03	03
Min	20.6	21.4	21.5	21.7	-1.31	-1.82	-2.05	-.51	-.73
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2016

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	20.4	20.8	21.1	27.5	90.2	86.3	17.6	18.0	0.015512
01:00	20.3	20.4	20.9	27.3	91.3	87.5	17.5	17.6	0.01536
02:00	20.0	20.5	20.6	27.1	92.1	91.0	17.3	17.7	0.015149
03:00	19.7	20.3	20.2	27.0	93.4	93.3	16.9	17.5	0.014812
04:00	19.5	20.4	19.9	26.8	94.5	95.2	16.7	17.6	0.014615
05:00	19.8	20.3	20.1	26.6	95.2	94.4	17.0	17.6	0.014859
06:00	19.4	20.1	19.8	26.4	95.3	94.9	16.7	17.4	0.014547
07:00	19.7	20.1	20.1	26.2	95.2	93.7	17.0	17.3	0.014819
08:00	20.0	19.6	21.0	26.1	86.0	84.4	17.2	16.8	0.015091
09:00	20.2	19.6	21.9	26.0	75.2	75.1	17.2	16.7	0.015251
10:00	19.7	19.4	22.4	25.9	63.1	65.1	16.6	16.3	0.01482
11:00	19.3	18.9	22.8	26.0	55.0	57.0	16.2	15.8	0.014492
12:00	18.8	18.5	23.1	26.2	48.2	50.3	15.7	15.4	0.014139
13:00	19.0	18.8	23.6	26.6	45.2	48.2	15.7	15.7	0.014262
14:00	19.1	19.1	23.8	27.0	44.5	47.9	15.8	15.9	0.014381
15:00	18.3	18.4	23.6	27.5	40.5	43.8	15.1	15.2	0.013769
16:00	18.1	18.2	23.5	27.8	39.8	42.2	14.8	15.0	0.013556
17:00	19.0	18.8	23.9	28.1	43.4	44.5	15.8	15.6	0.01438
18:00	20.3	20.1	22.4	28.3	72.5	71.1	17.4	17.1	0.015528
19:00	20.7	20.3	21.9	28.4	82.4	80.2	17.9	17.4	0.015827
20:00	20.3	20.1	21.4	28.3	83.8	83.0	17.4	17.2	0.015376
21:00	20.7	20.8	21.4	28.1	90.4	91.9	17.9	18.0	0.01575
22:00	20.5	20.7	21.2	27.9	89.9	90.7	17.7	17.9	0.015586
23:00	20.5	20.7	21.1	27.7	91.3	93.3	17.7	18.0	0.015588
Avg	19.7	19.8	21.7	27.1	74.9	75.2	16.8	16.9	0.014895
Max	20.7	20.8	23.9	28.4	95.3	95.2	17.9	18.0	0.015827
Hr. of Max	21	21	17	19	06	04	21	23	19
Min	18.1	18.2	19.8	25.9	39.8	42.2	14.8	15.0	0.013556
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)

8/28/2016

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	0.01585	24.1	24.6	.00	29.22	989.6	-2.3	.00	29.0
01:00	0.01548	23.8	24.0	.00	29.22	989.4	-2.4	.00	282.8
02:00	0.015581	23.5	24.2	.00	29.21	989.2	-2.2	.00	23.4
03:00	0.015374	23.0	23.9	.00	29.21	989.3	-2.5	.00	271.3
04:00	0.015456	22.7	24.0	.00	29.21	989.3	-2.3	.00	11.0
05:00	0.015388	23.1	23.9	.00	29.23	989.7	-1.9	.00	37.3
06:00	0.015222	22.6	23.7	.00	29.24	990.3	-2.2	.00	49.0
07:00	0.015136	23.1	23.5	.00	29.26	990.9	31.3	.04	44.0
08:00	0.014711	23.5	22.9	.00	29.28	991.4	213.5	.31	70.3
09:00	0.014708	23.7	22.9	.00	29.28	991.6	441.8	.63	90.2
10:00	0.014513	23.1	22.6	.00	29.28	991.7	629.3	.90	73.8
11:00	0.01416	22.6	22.1	.00	29.28	991.7	719.4	1.03	83.6
12:00	0.013806	22.0	21.5	.00	29.27	991.2	872.7	1.25	138.6
13:00	0.014143	22.2	22.0	.00	29.25	990.4	863.9	1.24	325.1
14:00	0.014407	22.4	22.4	.00	29.22	989.7	745.7	1.07	17.9
15:00	0.013817	21.4	21.5	.00	29.19	988.4	835.2	1.20	14.5
16:00	0.013608	21.1	21.1	.00	29.16	987.5	640.5	.92	55.7
17:00	0.014204	22.3	22.0	.00	29.16	987.4	354.6	.51	77.0
18:00	0.015269	24.1	23.7	.01	29.19	988.7	44.5	.06	12.6
19:00	0.015444	24.5	23.9	.00	29.18	988.3	13.3	.02	40.9
20:00	0.015208	23.8	23.6	.00	29.18	988.3	-2.1	.00	22.4
21:00	0.015875	24.4	24.6	.00	29.22	989.6	-1.8	.00	262.1
22:00	0.015735	24.2	24.4	.00	29.23	990.0	-2.3	.00	343.0
23:00	0.015818	24.2	24.6	.00	29.23	990.0	-2.1	.00	248.6
Avg	0.014955	23.1	23.2	.00	29.23	989.7	265.9	.38	29.0
Max	0.015875	24.5	24.6	.01	29.28	991.7	872.7	1.25	343.0
Hr. of Max	21	19	23	18	11	11	12	12	22
Min	0.013608	21.1	21.1	.00	29.16	987.4	-2.5	.00	11.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2016

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	52.7	64.4	29.5	52.7	26.0	17.4	15.0	1.7	3.8
01:00	266.4	88.7	268.3 +	71.1	44.2	44.4	35.4	.7	.3
02:00	47.2	58.6	24.8	44.1	29.6	22.5	14.2	.8	1.8
03:00	40.8	69.0	271.1	55.1	36.1	81.0	25.5	.7	.6
04:00	49.5	64.3	8.0	48.8	54.2	37.5	15.9	.9	1.2
05:00	54.7	63.8	37.6	51.8	21.6	13.1	9.6	1.7	3.0
06:00	66.4	73.3	45.4	61.9	25.8	12.5	7.5	1.4	2.4
07:00	50.3	64.4	45.1	52.3	20.5	12.3	7.9	1.4	2.5
08:00	65.9	69.7	71.8 +	56.8	26.8	18.5	16.2	1.8	2.5
09:00	84.5	79.4	91.2	67.5	19.5	17.6	16.0	3.6	4.1
10:00	60.3	60.4	77.7	48.1	42.0	28.8	20.1	2.3	3.5
11:00	80.2	83.0	85.7	70.4	35.0	28.6	23.8	2.3	2.8
12:00	142.1	141.8	145.9	139.9	44.4	40.1	47.7	1.4	1.2
13:00	320.7	318.9	324.2	306.5	65.9	50.9	46.8	1.8	2.9
14:00	27.3	21.9	20.2	8.6	58.4	38.5	30.1	2.5	3.9
15:00	21.7	19.7	15.5	6.5	46.9	32.3	26.8	3.3	5.7
16:00	51.6	48.2	54.6	36.4	47.9	37.6	33.7	3.4	5.1
17:00	69.4	63.3	79.7	51.1	49.5	30.8	23.4	3.3	4.1
18:00	13.7	12.2	8.0	358.2	40.9	41.7	45.7	1.8	4.8
19:00	42.4	48.2	40.5	35.4	39.1	15.6	10.3	2.2	5.9
20:00	42.9	57.7	22.8	44.4	31.8	22.0	12.7	1.0	2.9
21:00	268.4	314.0	259.0	302.9	52.8	57.4	34.2	1.5	1.8
22:00	77.5	92.2	327.1	83.3	49.4	43.0	26.3	.4	.9
23:00	226.9	139.5	251.4	136.7	14.8	45.9	24.6	1.8	1.4
Avg	48.0	60.0	28.0	47.0	38.5	32.9	23.7	.0	.0
Max	320.7	318.9	327.1	358.2	65.9	81.0	47.7	3.6	5.9
Hr. of Max	13	13	22	18	13	03	12	09	19
Min	13.7	12.2	8.0	6.5	14.8	12.3	7.5	.4	.3
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)

8/28/2016

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	5.6	2.0	4.2	5.9	2.2	6.1	-2.1	.4	-.14
01:00	1.1	1.4	2.0	2.3	1.7	2.5	-.4	3.1	-.04
02:00	2.9	1.2	2.2	3.1	1.4	3.3	3.9	.8	.07
03:00	1.6	1.0	1.2	1.9	1.3	2.2	1.0	1.4	.01
04:00	1.7	1.3	1.3	1.9	1.5	2.1	.6	-.6	.00
05:00	4.4	1.9	3.2	4.6	2.1	4.8	-3.0	-.5	-.19
06:00	3.7	1.4	2.5	3.7	1.6	4.0	-1.5	.5	-.08
07:00	3.5	1.6	2.6	3.5	1.8	3.7	-2.6	-2.1	-.14
08:00	3.0	2.0	2.6	3.1	2.3	3.4	1.8	4.0	.00
09:00	4.6	3.8	4.2	4.7	4.2	5.1	-1.6	-4.3	-.14
10:00	4.3	2.8	3.8	4.6	3.4	5.0	7.1	3.6	.29
11:00	3.0	2.8	3.3	3.4	3.4	3.9	2.4	-3.2	.15
12:00	.7	2.8	3.2	3.2	3.6	3.8	2.1	5.6	.14
13:00	3.3	3.0	3.8	4.2	3.8	4.8	-2.0	7.1	-.27
14:00	4.7	3.9	4.8	5.4	4.6	6.1	-3.2	.9	-.39
15:00	6.8	4.4	6.6	7.5	5.1	8.1	-1.3	1.2	-.40
16:00	5.8	4.8	6.3	7.0	5.5	7.6	-.9	5.4	-.24
17:00	4.8	4.0	4.9	5.5	4.6	6.1	1.0	6.7	-.06
18:00	6.6	5.6	8.9	10.8	6.3	11.3	-2.9	1.6	-.48
19:00	7.7	2.6	6.2	7.9	3.1	8.2	1.1	-.1	-.15
20:00	3.8	1.8	3.1	4.0	2.3	4.3	-3.4	-.3	-.20
21:00	1.2	1.8	2.5	3.1	2.1	3.4	-.9	2.4	-.11
22:00	1.4	.9	1.1	1.5	1.3	1.9	1.8	2.6	-.01
23:00	.8	1.9	1.5	1.0	2.3	1.4	-1.5	1.1	-.07
Avg	.0	2.5	3.6	4.3	3.0	4.7	-.2	1.6	-.10
Max	7.7	5.6	8.9	10.8	6.3	11.3	7.1	7.1	.29
Hr. of Max	19	18	18	18	18	18	10	13	10
Min	.7	.9	1.1	1.0	1.3	1.4	-3.4	-4.3	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/28/2016

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	.05	6.0	14.4	16.9	13.3	5.6	25.2	25.3
01:00	.08	4.1	11.0	13.5	11.2	11.6	24.5	24.9
02:00	.06	3.2	5.3	6.0	13.8	4.8	24.0	24.3
03:00	.06	2.5	5.0	8.9	9.6	8.4	23.4	24.0
04:00	-.02	4.6	3.7	3.9	11.5	8.4	23.1	23.6
05:00	-.05	4.1	6.2	8.5	12.5	4.4	23.2	23.2
06:00	.03	3.9	6.2	10.5	9.9	5.1	22.9	23.0
07:00	-.12	4.6	6.4	7.8	10.3	5.3	23.1	23.0
08:00	.08	5.5	6.4	6.9	18.4	16.9	24.4	23.8
09:00	-.38	10.1	9.2	9.4	16.3	14.3	26.3	25.5
10:00	.19	10.5	12.8	11.0	25.5	21.7	28.4	27.3
11:00	-.15	6.9	7.1	8.2	25.8	24.5	30.1	29.2
12:00	.41	7.6	8.7	10.1	26.8	28.6	31.6	30.7
13:00	.30	10.3	12.1	12.1	29.2	28.6	32.8	31.9
14:00	.02	14.0	13.5	12.4	24.3	23.2	33.3	32.3
15:00	-.06	14.2	16.9	17.2	25.4	19.5	34.0	32.8
16:00	.54	11.7	15.6	14.0	20.8	18.3	34.3	33.3
17:00	.52	12.4	14.0	15.6	19.9	19.5	34.2	33.5
18:00	-.09	35.0	32.3	40.8	19.5	14.2	27.9	27.6
19:00	-.07	11.7	15.6	21.8	23.3	7.6	25.9	25.6
20:00	-.03	7.1	9.4	10.5	18.0	11.2	25.1	24.8
21:00	.11	5.5	6.9	6.6	13.2	14.2	24.2	24.4
22:00	.06	3.7	5.0	5.3	11.8	11.0	24.3	24.3
23:00	.04	3.4	3.7	3.2	5.9	14.9	23.9	24.0
Avg	.07	8.4	10.3	11.7	17.3	14.2	27.1	26.8
Max	.54	35.0	32.3	40.8	29.2	28.6	34.3	33.5
Hr. of Max	16	18	18	18	13	13	16	17
Min	-.38	2.5	3.7	3.2	5.9	4.4	22.9	23.0
Count	24	24	24	24	24	24	24	24
Total								