Date Printed: 11/20/2016 06:32

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2016

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	10.0	15.0	16.4	16.7	4.98	6.31	6.68	1.33	1.70
01:00	10.0	13.9	15.3	15.6	3.95	5.29	5.67	1.34	1.72
02:00	10.0	12.6	14.6	15.6	2.64	4.63	5.63	1.99	2.99
03:00	10.3	12.6	14.5	15.5	2.28	4.22	5.15	1.94	2.87
04:00	11.2	13.1	14.5	15.0	1.99	3.32	3.81	1.33	1.83
05:00	11.0	11.3	11.3	11.3	.23	.23	.27	-.01	.04
06:00	7.1	7.2	7.1	7.0	.00	-.09	-.10	-.10	-.11
07:00	6.4	6.4	6.3	6.2	.02	-.11	-.15	-.14	-.18
08:00	6.1	6.1	5.9	5.8	-.03	-.21	-.28	-.18	-.24
09:00	6.4	6.3	6.0	5.9	-.17	-.39	-.49	-.22	-.33
10:00	7.4	6.8	6.5	6.3	-.63	-.93	-1.10	-.30	-.47
11:00	8.7	7.7	7.3	7.2	-.97	-1.35	-1.51	-.39	-.55
12:00	8.9	8.0	7.6	7.5	-.98	-1.30	-1.47	-.33	-.49
13:00	9.4	8.5	8.2	8.0	-.83	-1.17	-1.32	-.34	-.49
14:00	11.0	10.0	9.7	9.5	-.91	-1.25	-1.41	-.34	-.50
15:00	10.7	10.1	9.9	9.7	-.56	-.86	-1.01	-.29	-.45
16:00	9.9	9.6	9.4	9.3	-.27	-.50	-.60	-.23	-.33
17:00	8.3	8.5	8.4	8.3	.19	.05	.01	-.14	-.17
18:00	6.3	7.4	7.4	7.4	1.08	1.11	1.12	.02	.03
19:00	4.2	6.5	6.7	6.8	2.24	2.48	2.56	.24	.32
20:00	4.7	5.9	6.0	6.0	1.15	1.22	1.30	.06	.14
21:00	3.1	5.1	5.3	5.4	2.00	2.17	2.26	.17	.26
22:00	3.1	4.7	4.8	4.8	1.62	1.71	1.75	.09	.13
23:00	3.8	4.4	4.3	4.3	.59	.56	.55	-.03	-.04
Avg	7.8	8.7	8.9	9.0	.82	1.05	1.14	.23	.32
Max	11.2	15.0	16.4	16.7	4.98	6.31	6.68	1.99	2.99
Hr. of Max	04	00	00	00	00	00	00	02	02
Min	3.1	4.4	4.3	4.3	-.98	-1.35	-1.51	-.39	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2016

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	4.4	4.1	6.3	13.8	68.8	48.7	6.4	6.2	0.005351
01:00	4.6	4.5	6.4	13.7	70.2	53.9	6.5	6.4	0.005427
02:00	4.8	4.9	6.5	13.6	71.0	59.9	6.6	6.6	0.005495
03:00	5.1	5.1	6.9	13.5	70.9	61.1	6.8	6.7	0.005624
04:00	5.8	5.6	7.6	13.5	70.5	60.8	7.1	6.9	0.005917
05:00	8.7	8.5	9.5	13.5	86.5	84.0	8.6	8.5	0.007192
06:00	4.3	4.0	5.2	13.5	82.7	81.1	6.4	6.3	0.005279
07:00	2.2	1.7	3.6	13.4	75.1	72.7	5.5	5.4	0.004528
08:00	.9	.4	2.7	13.3	69.9	67.5	5.1	4.9	0.004133
09:00	.6	.0	2.5	13.1	66.7	64.8	5.0	4.8	0.004025
10:00	-1.0	-1.9	1.8	12.9	55.9	54.7	4.4	4.1	0.003591
11:00	-2.0	-2.8	1.6	12.8	47.7	48.0	4.1	3.9	0.003353
12:00	-3.0	-3.6	1.0	12.8	43.4	44.4	3.8	3.7	0.003113
13:00	-3.3	-3.7	.9	12.8	41.5	42.3	3.7	3.6	0.003059
14:00	-4.3	-5.0	.8	12.8	34.8	35.0	3.5	3.3	0.002854
15:00	-6.8	-7.4	-1.0	12.8	29.0	28.8	2.8	2.7	0.002346
16:00	-7.6	-8.2	-1.8	12.8	28.9	28.1	2.7	2.6	0.002212
17:00	-8.1	-8.9	-2.6	12.8	30.9	28.8	2.6	2.5	0.002124
18:00	-7.0	-8.1	-2.6	12.7	38.5	32.8	2.8	2.6	0.002301
19:00	-5.5	-7.5	-2.3	12.5	49.7	36.5	3.2	2.7	0.002559
20:00	-6.3	-7.7	-2.6	12.4	45.3	37.4	3.0	2.7	0.002426
21:00	-5.9	-7.6	-2.9	12.2	52.3	39.9	3.1	2.7	0.002494
22:00	-5.6	-7.2	-2.7	12.0	53.7	42.1	3.2	2.8	0.002553
23:00	-6.2	-7.0	-2.9	11.8	48.6	43.7	3.0	2.8	0.002431
Avg	-1.3	-2.0	1.7	13.0	55.5	49.9	4.6	4.4	0.003766
Max	8.7	8.5	9.5	13.8	86.5	84.0	8.6	8.5	0.007192
Hr. of Max	05	05	05	00	05	05	05	05	05
Min	-8.1	-8.9	-2.9	11.8	28.9	28.1	2.6	2.5	0.002124
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)

11/19/2016

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	0.005247	8.4	8.3	.00	29.16	987.5	-2.1	.00	207.6
01:00	0.005408	8.5	8.5	.00	29.15	987.1	-2.8	.00	210.3
02:00	0.005528	8.6	8.7	.00	29.13	986.4	-2.7	.00	76.3
03:00	0.005637	8.8	8.9	.00	29.10	985.6	-2.1	.00	84.8
04:00	0.005822	9.3	9.1	.01	29.08	984.7	-2.1	.00	106.3
05:00	0.007088	11.3	11.1	.09	29.13	986.4	-1.9	.00	253.6
06:00	0.005175	8.3	8.2	.01	29.19	988.7	-2.4	.00	262.6
07:00	0.004394	7.2	6.9	.00	29.25	990.6	3.6	.01	262.0
08:00	0.003984	6.6	6.3	.00	29.31	992.6	31.6	.05	259.7
09:00	0.003869	6.4	6.1	.00	29.34	993.6	113.5	.16	263.2
10:00	0.00337	5.7	5.4	.00	29.35	994.1	456.4	.65	271.3
11:00	0.003162	5.3	5.0	.00	29.35	994.1	646.7	.93	280.4
12:00	0.002979	4.9	4.7	.00	29.34	993.7	629.9	.90	271.9
13:00	0.002946	4.9	4.7	.00	29.32	993.0	476.9	.68	293.9
14:00	0.002704	4.5	4.3	.00	29.30	992.4	497.6	.71	270.0
15:00	0.00224	3.7	3.6	.00	29.30	992.3	360.7	.52	299.6
16:00	0.002108	3.5	3.4	.00	29.31	992.5	167.5	.24	279.3
17:00	0.002004	3.4	3.2	.00	29.32	992.8	6.6	.01	269.2
18:00	0.002116	3.7	3.4	.00	29.33	993.2	-2.1	.00	253.4
19:00	0.002205	4.1	3.5	.00	29.34	993.7	-2.2	.00	237.9
20:00	0.002173	3.9	3.5	.00	29.35	993.9	-2.2	.00	239.7
21:00	0.002193	4.0	3.5	.00	29.36	994.3	-2.4	.00	229.9
22:00	0.002249	4.1	3.6	.00	29.37	994.6	-2.2	.00	254.0
23:00	0.002281	3.9	3.6	.00	29.37	994.6	-2.9	.00	275.9
Avg	0.00362	6.0	5.7	.00	29.27	991.4	140.0	.20	258.0
Max	0.007088	11.3	11.1	.09	29.37	994.6	646.7	.93	299.6
Hr. of Max	05	05	05	05	23	23	11	11	15
Min	0.002004	3.4	3.2	.00	29.08	984.7	-2.9	.00	76.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2016

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	253.6	259.4	222.5	254.7	35.5	14.1	10.8	2.4	4.9
01:00	241.1	237.6	238.1	232.9	44.9	16.1	7.2	.9	3.2
02:00	241.6	216.1	32.8	211.5	40.7	38.0	9.4	.1	.9
03:00	301.8	243.4	72.3	238.7	11.1	39.9	7.7	.1	.2
04:00	3.8	263.6	242.7	258.2	41.6	50.8	18.0	.7	1.0
05:00	267.6	272.8	253.8	267.0	31.2	23.5	24.7	6.9	10.1
06:00	273.5	277.4	262.0	271.4	25.4	20.6	16.2	10.6	14.8
07:00	277.7	283.7	262.4	277.2	27.2	21.8	17.6	9.2	12.2
08:00	270.4	275.3	262.2	269.0	33.3	25.1	20.5	6.7	9.6
09:00	273.9	275.2	262.1	268.9	32.5	24.3	18.8	5.9	8.2
10:00	278.1	279.7	270.4	272.8	32.0	24.8	21.3	7.9	10.4
11:00	290.3	286.2	278.0	278.5	37.1	32.1	30.0	5.6	7.0
12:00	280.2	282.9	271.0	275.3	35.5	29.9	27.6	6.4	7.8
13:00	308.7	310.9	286.8	302.1	56.8	39.3	32.2	3.7	5.0
14:00	280.8	285.2	268.8	277.3	44.2	36.7	31.5	5.4	7.2
15:00	303.7	304.9	293.6	296.2	51.3	38.5	29.4	4.3	6.4
16:00	301.7	308.1	276.0	299.6	61.6	43.4	36.7	3.9	5.5
17:00	284.4	288.6	268.8	281.6	40.7	29.0	23.6	4.9	6.9
18:00	273.3	285.6	254.0	278.9	28.0	20.8	18.4	2.8	4.4
19:00	260.0	270.3	239.0	264.7	20.6	16.3	13.4	3.3	5.0
20:00	260.3	269.2	241.5	263.4	23.9	19.0	16.0	3.7	5.5
21:00	250.5	260.9	232.5	255.7	17.0	13.1	12.4	3.3	5.0
22:00	268.6	276.5	255.4	269.8	39.6	26.5	23.9	3.0	5.0
23:00	286.7	290.3	270.4	283.3	42.5	25.9	21.3	2.8	4.7
Avg	277.0	275.0	262.0	269.0	35.6	27.9	20.4	.0	.0
Max	308.7	310.9	293.6	302.1	61.6	50.8	36.7	10.6	14.8
Hr. of Max	13	13	15	13	16	04	16	06	06
Min	3.8	216.1	32.8	211.5	11.1	13.1	7.2	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2016

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	7.3	2.7	5.2	7.4	3.0	7.7	1.9	2.5	.09
01:00	5.3	1.0	3.4	5.4	1.5	5.7	2.5	.9	.06
02:00	4.1	.3	1.1	4.2	.6	4.5	2.7	.0	.04
03:00	3.6	.2	.3	3.7	.5	3.9	1.3	.9	.01
04:00	3.3	1.0	1.8	3.5	1.5	3.6	1.9	2.3	.01
05:00	13.0	7.7	10.9	13.9	8.5	14.2	1.6	.1	-.24
06:00	19.0	11.5	15.7	19.7	12.2	19.9	.2	-.2	-.50
07:00	15.5	10.0	13.0	16.1	10.9	16.6	-1.1	-1.8	-.61
08:00	11.8	7.5	10.3	12.6	8.1	13.0	-.8	-1.2	-.39
09:00	10.7	6.6	8.9	11.3	7.3	11.7	1.1	-.2	-.20
10:00	12.2	8.9	11.2	12.9	9.3	13.5	-.1	-1.7	-.52
11:00	8.1	6.6	8.1	9.1	7.3	9.9	-1.7	.8	-.56
12:00	8.8	7.5	8.7	9.5	8.1	10.2	-3.8	-1.5	-.75
13:00	6.0	5.0	6.0	7.0	5.5	7.8	-1.1	-1.1	-.37
14:00	8.8	6.9	8.6	10.1	7.6	10.8	.0	1.1	-.24
15:00	8.7	5.7	7.6	9.8	6.5	10.5	-2.0	.3	-.62
16:00	7.2	5.0	6.6	8.3	5.6	8.9	.9	1.7	-.24
17:00	9.0	5.6	7.6	9.7	6.2	10.1	-1.8	-1.4	-.41
18:00	6.0	3.1	4.7	6.3	3.5	6.5	-1.1	-2.1	-.12
19:00	6.7	3.5	5.2	6.8	3.9	7.2	.2	-.9	-.01
20:00	7.3	4.0	5.8	7.6	4.5	8.0	-.7	-.2	-.12
21:00	6.3	3.5	5.1	6.5	4.0	6.8	.2	.0	-.01
22:00	6.3	3.6	5.6	6.9	4.2	7.3	-.1	.1	-.14
23:00	6.4	3.3	5.2	6.9	3.8	7.1	.5	-2.3	-.10
Avg	.0	5.0	6.9	9.0	5.6	9.4	.0	-.2	-.25
Max	19.0	11.5	15.7	19.7	12.2	19.9	2.7	2.5	.09
Hr. of Max	06	06	06	06	06	06	02	00	00
Min	3.3	.2	.3	3.5	.5	3.6	-3.8	-2.3	-.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2016

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	.29	8.0	10.3	15.1	10.2	6.5	15.2	16.8
01:00	.09	3.2	7.6	9.8	7.8	3.0	14.1	15.8
02:00	-.01	2.1	3.9	8.9	10.2	5.1	12.8	15.8
03:00	.05	1.4	2.1	7.3	11.7	4.3	12.8	15.6
04:00	.09	14.7	17.4	19.2	12.0	9.9	13.4	15.1
05:00	-.45	31.6	38.7	45.6	17.1	13.3	12.0	11.6 R
06:00	-.57	32.3	37.6	45.8	19.0	12.1	7.7	7.2
07:00	-1.01	36.2	38.7	43.3	19.1	13.5	6.7	6.1
08:00	-.61	22.2	25.6	25.9	19.4	13.7	6.3	5.7
09:00	-.33	22.7	22.0	38.0	19.0	14.1	6.4	5.7
10:00	-.85	27.0	29.1	30.9	19.0	15.0	6.8	5.9
11:00	-.42	19.9	26.3	27.5	21.9	21.3	7.7	6.7
12:00	-.85	20.8	21.3	22.4	19.9	20.4	7.9	7.0
13:00	-.70	16.3	16.7	19.0	24.1	24.6	8.5	7.7
14:00	-.20	19.7	24.3	26.6	21.1	20.1	10.0	9.1
15:00	-.66	34.1	29.5	40.1	24.1	19.9	10.1	9.3
16:00	-.38	20.8	25.0	25.2	24.3	22.5	9.6	8.9
17:00	-.63	19.9	20.6	22.4	20.5	16.4	8.5	8.0
18:00	-.40	10.3	14.7	16.5	15.4	13.3	7.4	7.1
19:00	-.23	8.9	12.1	16.7	11.4	9.5	6.5	6.5
20:00	-.17	14.2	16.5	19.2	13.7	11.4	5.9	5.8
21:00	-.05	9.8	13.3	16.3	9.0	9.3	5.2	5.1
22:00	-.29	16.7	19.9	18.5	17.3	16.7	4.8	4.6
23:00	-.51	14.0	15.6	17.6	20.8	14.7	4.4	4.1
Avg	-.37	17.8	20.4	24.1	17.0	13.8	8.8	8.8
Max	.29	36.2	38.7	45.8	24.3	24.6	15.2	16.8
Hr. of Max	00	07	07	06	16	13	00	00
Min	-1.01	1.4	2.1	7.3	7.8	3.0	4.4	4.1
Count	24	24	24	24	24	24	24	24
Total								