Date Printed: 07/16/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2016

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	20.1	20.3	20.5	20.7	.20	.41	.67	.21	.47
01:00	19.6	19.7	20.0	20.3	.10	.31	.61	.21	.51
02:00	19.5	19.7	19.9	20.0	.27	.41	.58	.15	.31
03:00	19.0	19.6	19.9	20.0	.59	.83	1.01	.24	.42
04:00	18.7	19.5	19.9	20.1	.76	1.16	1.38	.40	.63
05:00	19.0	19.8	20.1	20.2	.79	1.11	1.27	.32	.47
06:00	20.0	20.0	19.9	19.9	.02	-.10	-.07	-.12	-.10
07:00	20.3	20.1	19.9	19.9	-.17	-.38	-.41	-.20	-.23
08:00	21.2	20.9	20.7	20.5	-.27	-.50	-.64	-.23	-.38
09:00	22.2	21.8	21.6	21.4	-.35	-.61	-.72	-.25	-.36
10:00	23.1	22.6	22.4	22.3	-.49	-.73	-.81	-.24	-.32
11:00	24.2	23.4	23.1	22.9	-.76	-1.09	-1.24	-.33	-.48
12:00	25.9	25.2	24.9	24.7	-.73	-1.08	-1.27	-.35	-.54
13:00	27.2	26.3	25.9	25.8	-.94	-1.30	-1.44	-.36	-.50
14:00	29.0	27.6	27.2	27.0	-1.36	-1.76	-1.97	-.39	-.60
15:00	29.8	28.4	28.0	27.8	-1.40	-1.84	-2.05	-.44	-.65
16:00	30.4	29.0	28.6	28.6	-1.39	-1.78	-1.84	-.39	-.45
17:00	30.6	29.5	29.1	28.9	-1.10	-1.49	-1.69	-.39	-.59
18:00	30.3	29.4	29.1	28.9	-.90	-1.26	-1.43	-.36	-.53
19:00	28.2	28.9	29.1	29.1	.68	.88	.81	.20	.13
20:00	25.5	26.9	28.1	28.5	1.38	2.59	3.00	1.21	1.62
21:00	23.8	25.6	26.3	26.7	1.86	2.47	2.95	.61	1.09
22:00	23.0	24.8	25.0	25.5	1.75	2.00	2.46	.24	.70
23:00	22.3	23.7	24.3	24.8	1.39	1.99	2.51	.60	1.12
Avg	23.9	23.9	23.9	23.9	.00	.01	.07	.01	.07
Max	30.6	29.5	29.1	29.1	1.86	2.59	3.00	1.21	1.62
Hr. of Max	17	17	19	19	21	20	20	20	20
Min	18.7	19.5	19.9	19.9	-1.40	-1.84	-2.05	-.44	-.65
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2016

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	18.8	19.3	19.2	27.2	94.5	96.2	16.1	16.6	0.014016
01:00	18.5	19.1	18.9	26.9	95.0	98.1	15.8	16.4	0.013732
02:00	18.4	19.2	18.7	26.7	95.6	98.9	15.7	16.5	0.013662
03:00	18.0	19.1	18.3	26.4	95.7	98.8	15.3	16.4	0.013306
04:00	17.7	18.9	18.0	26.2	95.8	98.8	15.1	16.2	0.013071
05:00	18.0	19.2	18.3	25.9	96.3	98.9	15.4	16.5	0.013346
06:00	19.1	19.5	19.4	25.7	96.8	99.0	16.4	16.8	0.014284
07:00	19.2	19.6	19.6	25.5	95.8	98.9	16.5	16.9	0.014412
08:00	19.6	19.8	20.1	25.4	92.9	95.8	16.8	17.1	0.014759
09:00	19.8	19.8	20.6	25.3	88.9	90.6	17.1	17.0	0.014992
10:00	19.9	19.7	21.0	25.3	84.2	85.7	17.0	16.9	0.015034
11:00	19.6	19.4	21.1	25.4	77.8	80.2	16.7	16.5	0.014781
12:00	19.1	18.6	21.4	25.5	68.0	68.6	16.2	15.7	0.014378
13:00	19.1	18.5	21.8	25.8	62.9	63.9	16.1	15.5	0.014342
14:00	18.9	18.4	22.3	26.2	56.2	58.8	15.8	15.4	0.014222
15:00	19.3	18.9	22.8	26.6	54.7	58.0	16.1	15.9	0.014567
16:00	19.1	18.6	22.9	26.9	52.5	54.8	16.0	15.5	0.01445
17:00	19.0	18.7	22.9	27.4	51.7	53.7	15.9	15.5	0.014376
18:00	18.6	18.5	22.5	27.7	51.1	53.3	15.5	15.4	0.014016
19:00	19.2	18.3	22.2	28.0	59.8	54.3	16.1	15.2	0.014496
20:00	20.1	19.1	21.9	28.0	74.2	64.2	17.2	16.1	0.015331
21:00	19.8	19.5	21.1	27.9	80.2	70.7	16.9	16.5	0.014947
22:00	19.8	19.9	20.9	27.8	84.2	76.2	17.0	17.0	0.014995
23:00	19.8	20.1	20.7	27.5	88.2	82.3	17.0	17.2	0.015006
Avg	19.1	19.2	20.7	26.6	78.9	79.1	16.2	16.3	0.014355
Max	20.1	20.1	22.9	28.0	96.8	99.0	17.2	17.2	0.015331
Hr. of Max	20	23	17	20	06	06	20	23	20
Min	17.7	18.3	18.0	25.3	51.1	53.3	15.1	15.2	0.013071
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2016

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	0.014457	21.8	22.4	.00	29.16	987.4	-2.8	.00	305.0
01:00	0.014269	21.3	22.1	.00	29.15	987.1	-1.8	.00	245.0
02:00	0.014363	21.2	22.3	.00	29.14	986.8	-1.9	.00	262.3
03:00	0.01426	20.7	22.1	.00	29.13	986.4	-1.4	.00	278.5
04:00	0.014145	20.3	21.9	.00	29.12	986.0	-1.3	.00	279.8
05:00	0.014396	20.7	22.3	.00	29.13	986.3	-1.4	.00	240.2
06:00	0.014627	22.2	22.7	.00	29.14	986.9	.6	.00	340.2
07:00	0.014718	22.4	22.8	.00	29.15	987.1	44.0	.06	47.2
08:00	0.014961	22.9	23.2	.00	29.15	987.1	125.6	.18	67.5
09:00	0.014951	23.2	23.2	.00	29.16	987.4	221.2	.32	55.2
10:00	0.014855	23.3	23.0	.00	29.16	987.6	244.6	.35	254.9
11:00	0.014563	22.9	22.6	.00	29.17	987.9	509.0	.73	319.5
12:00	0.013887	22.3	21.6	.00	29.17	987.9	547.4	.78	124.2
13:00	0.013781	22.3	21.4	.00	29.16	987.5	799.1	1.15	99.4
14:00	0.013744	22.1	21.3	.00	29.14	986.9	1031.6	1.48	33.6
15:00	0.014238	22.6	22.1	.00	29.12	986.2	936.1	1.34	.1
16:00	0.013919	22.4	21.6	.00	29.11	985.7	621.4	.89	282.8
17:00	0.014023	22.2	21.7	.00	29.08	984.9	508.7	.73	293.9
18:00	0.013874	21.7	21.5	.00	29.07	984.6	353.1	.51	325.2
19:00	0.013709	22.4	21.2	.00	29.07	984.6	192.4	.28	311.6
20:00	0.014387	23.7	22.3	.00	29.09	985.1	16.8	.02	335.3
21:00	0.014727	23.1	22.8	.00	29.10	985.6	-1.8	.00	9.1
22:00	0.015088	23.2	23.4	.00	29.12	986.3	-2.1	.00	26.4
23:00	0.015233	23.2	23.6	.00	29.13	986.6	-2.0	.00	320.8
Avg	0.014382	22.3	22.3	.00	29.13	986.5	255.6	.37	326.0
Max	0.015233	23.7	23.6	.00	29.17	987.9	1031.6	1.48	340.2
Hr. of Max	23	20	23	23	12	12	14	14	06
Min	0.013709	20.3	21.2	.00	29.07	984.6	-2.8	.00	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2016

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	116.6	105.3	300.9	96.4	39.2	36.9	26.7	.8	.1
01:00	235.6	208.8	248.4	208.4	21.7	9.1	19.0	2.4	4.0
02:00	243.3	217.7	264.8	216.1	46.2	25.2	17.9	1.1	2.0
03:00	219.4	171.7	281.7	170.7	62.3	30.9	16.8	.6	1.0
04:00	266.3	194.8	281.8	198.9	44.7	25.1	26.7	.9	1.9
05:00	239.1	193.6	251.2	200.3	52.5	28.4	25.0	.9	1.6
06:00	332.8	329.2	340.2	312.5	29.1	20.0	30.0	1.1	1.9
07:00	38.0	41.1	42.9	17.3	46.2	31.3	27.9	1.4	2.4
08:00	62.9	64.5	69.1	49.5	29.1	20.4	13.6	1.9	2.9
09:00	48.7	52.3	57.0	35.6	33.0	29.5	26.3	1.6	2.2
10:00	281.3	278.5	257.9	276.8	47.8	47.1	42.5	1.0	1.4
11:00	334.0	340.3	321.8	326.3	51.4	38.2	34.2	2.0	2.8
12:00	133.2	120.1	138.1	113.5	64.2	60.7	59.2	.7	.6
13:00	84.5	80.5	107.5	63.5	63.7	60.9	46.0	1.4	1.7
14:00	6.3	35.8	5.6	10.9	65.1	53.6	47.7	.3	.9
15:00	353.5	352.9	3.5	339.3	78.1	54.9	44.6	1.3	2.7
16:00	285.4	286.1	282.5	277.2	42.8	32.5	28.7	2.5	3.1
17:00	308.7	314.6	291.2	302.2	42.9	34.7	38.2	1.8	2.4
18:00	339.0	345.9	323.0	327.0	30.1	23.1	23.8	2.1	2.7
19:00	314.8	339.9	307.6	310.5	12.7	13.8	35.2	1.3	1.7
20:00	22.0	19.7	331.3	358.2	33.3	29.9	14.7	1.0	1.2
21:00	53.8	67.4	13.1	51.0	21.4	12.3	11.2	1.0	2.1
22:00	62.1	68.4	30.6	51.9	35.4	12.4	9.3	.9	2.1
23:00	58.5	75.4	311.9	54.8	26.1	15.9	6.1	.3	1.1
Avg	351.0	32.0	323.0	356.0	42.5	31.1	28.0	.0	.0
Max	353.5	352.9	340.2	358.2	78.1	60.9	59.2	2.5	4.0
Hr. of Max	15	15	06	20	15	13	12	16	01
Min	6.3	19.7	3.5	10.9	12.7	9.1	6.1	.3	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2016

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	.9	1.4	1.6	1.3	1.7	1.6	-1.8	-1.2	-.07
01:00	4.3	2.6	4.1	4.5	3.0	4.8	-2.1	-1.1	-.14
02:00	2.8	1.5	2.3	3.1	1.8	3.3	-1.5	-.9	-.08
03:00	2.0	.8	1.1	2.3	1.2	2.5	.6	-1.5	.00
04:00	2.1	1.1	2.0	2.2	1.4	2.6	.8	.7	.02
05:00	1.9	1.2	1.9	2.1	1.6	2.4	.3	-1.7	-.02
06:00	2.3	1.9	2.5	3.0	2.1	3.3	-4.4	-2.9	-.22
07:00	2.9	1.7	2.7	3.1	2.0	3.4	-3.0	.6	-.18
08:00	3.6	2.2	3.3	3.9	2.6	4.2	.7	2.2	-.04
09:00	2.6	2.3	2.6	3.0	2.7	3.3	-.1	6.1	-.07
10:00	1.7	2.3	2.6	2.6	2.7	3.0	-4.2	-.6	-.25
11:00	3.1	2.8	3.4	3.5	3.2	4.1	-.6	2.3	-.28
12:00	.6	1.6	1.7	1.7	2.3	2.4	8.3	8.8	.37
13:00	1.9	2.5	2.6	2.7	3.1	3.4	2.8	4.2	.17
14:00	1.3	2.2	2.8	3.0	3.0	3.8	-4.0	-10.7	-.27
15:00	3.1	2.9	3.8	4.0	3.5	4.7	1.7	1.5	-.06
16:00	3.0	3.2	3.6	3.5	3.6	4.1	-3.8	-6.7	-.30
17:00	2.4	2.6	3.0	2.8	3.1	3.4	-1.5	-1.3	-.14
18:00	2.7	2.4	2.9	2.9	2.8	3.3	-3.6	-12.2	-.25
19:00	1.1	1.3	1.8	1.2	1.5	1.6	.8	-8.5	-.02
20:00	1.3	1.0	1.7	1.9	1.2	2.1	-.4	5.2	-.03
21:00	2.7	1.1	2.1	2.7	1.3	2.9	1.1	1.2	.01
22:00	2.6	1.1	2.1	2.6	1.3	2.8	-.1	1.6	-.02
23:00	1.8	.5	1.1	1.8	.7	2.1	.2	.1	.02
Avg	.0	1.8	2.5	2.7	2.2	3.1	-.6	-.6	-.08
Max	4.3	3.2	4.1	4.5	3.6	4.8	8.3	8.8	.37
Hr. of Max	01	16	01	01	16	01	12	12	12
Min	.6	.5	1.1	1.2	.7	1.6	-4.4	-12.2	-.30
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	-.02	3.7	3.4	3.4	9.3	11.7	21.7	21.9
01:00	-.10	5.5	7.1	8.2	8.6	5.6	21.2	21.5
02:00	-.06	4.6	8.2	11.0	11.4	6.2	21.1	21.3
03:00	-.07	4.4	6.9	7.1	8.9	8.2	21.0	21.2
04:00	.01	3.4	4.1	5.3	10.4	11.9	20.8	21.3
05:00	-.06	5.5	6.2	6.6	15.1	17.3	21.1	21.4
06:00	-.20	5.3	6.4	7.1	17.2	14.3	21.4	21.0
07:00	-.08	5.5	6.2	5.7	21.0	12.1	21.6	21.0
08:00	.08	6.0	7.3	7.1	20.2	14.6	22.4	21.8
09:00	.28	6.4	7.6	7.3	21.5	19.6	23.4	22.7
10:00	-.14	6.9	8.0	7.8	19.4	24.7	24.1	23.5
11:00	.10	9.6	11.2	9.2	26.0	25.1	24.9	24.1
12:00	.54	6.0	6.0	6.0	33.8	35.8	26.6	25.8
13:00	.25	7.8	8.0	7.8	30.2	32.2	27.6	26.9
14:00	-.82	7.6	11.4	12.8	31.6	32.2	28.9	27.9
15:00	.09	9.6	12.1	11.4	28.8	27.7	29.7	28.8
16:00	-.63	9.2	12.4	10.1	23.8	25.8	30.2	29.3
17:00	-.09	6.4	6.9	6.6	26.1	29.0	30.7	29.8
18:00	-.59	6.9	7.1	6.6	22.4	18.8	30.7	29.8
19:00	-.21	3.4	5.5	3.0	13.4	14.9	30.2	30.0
20:00	.18	4.1	4.6	3.9	10.0	9.0	28.0	29.4
21:00	.06	3.0	6.0	5.0	9.4	3.8	26.9	27.9
22:00	.07	3.0	4.1	4.1	8.6	3.1	26.2	26.7
23:00	.02	2.3	4.1	4.8	8.5	4.3	25.1	26.1
Avg	-.06	5.7	7.1	7.0	18.2	17.0	25.2	25.0
Max	.54	9.6	12.4	12.8	33.8	35.8	30.7	30.0
Hr. of Max	12	15	16	14	12	12	18	19
Min	-.82	2.3	3.4	3.0	8.5	3.1	20.8	21.0
Count	24	24	24	24	24	24	24	24
Total								