Date Printed: 07/19/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2015

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	23.5	24.5	24.9	25.5	.93	1.35	2.00	.42	1.07
01:00	23.1	23.8	24.2	24.5	.65	1.09	1.41	.45	.76
02:00	22.9	23.6	23.9	24.6	.75	1.09	1.73	.34	.98
03:00	23.0	23.4	23.7	24.1	.44	.73	1.12	.28	.67
04:00	23.0	23.4	23.8	24.1	.35	.77	1.03	.43	.69
05:00	23.2	23.7	23.9	24.2	.44	.69	1.01	.25	.57
06:00	22.8	23.2	23.5	24.0	.44	.67	1.18	.22	.74
07:00	23.3	23.5	23.7	24.1	.19	.42	.80	.23	.60
08:00	25.1	24.9	24.8	24.8	-.20	-.36	-.38	-.16	-.18
09:00	26.8	26.5	26.3	26.2	-.25	-.50	-.60	-.25	-.36
10:00	28.2	27.8	27.5	27.3	-.45	-.75	-.89	-.30	-.44
11:00	29.8	29.3	29.0	28.8	-.52	-.83	-.96	-.31	-.44
12:00	30.8	30.2	30.0	29.9	-.62	-.85	-.94	-.24	-.33
13:00	29.0	28.4	28.2	28.3	-.61	-.81	-.68	-.20	-.07
14:00	30.9	30.2	29.8	29.7	-.71	-1.05	-1.17	-.34	-.46
15:00	28.5	28.3	28.2	28.3	-.17	-.26	-.24	-.10	-.07
16:00	28.1	27.6	27.3	27.2	-.54	-.84	-.96	-.30	-.42
17:00	26.2	26.1	26.0	26.0	-.11	-.21	-.23	-.11	-.12
18:00	25.1	24.7	24.5	24.5	-.36	-.57	-.58	-.21	-.22
19:00	25.7	25.6	25.5	25.5	-.07	-.19	-.20	-.11	-.13
20:00	24.2	24.5	24.8	25.0	.25	.60	.76	.36	.51
21:00	23.3	23.6	24.2	24.6	.29	.86	1.31	.57	1.02
22:00	22.8	23.1	23.8	24.3	.31	1.02	1.54	.71	1.24
23:00	22.6	22.9	23.4	24.0	.34	.89	1.40	.55	1.07
Avg	25.5	25.5	25.6	25.8	.03	.12	.31	.09	.28
Max	30.9	30.2	30.0	29.9	.93	1.35	2.00	.71	1.24
Hr. of Max	14	14	12	12	00	00	00	22	22
Min	22.6	22.9	23.4	24.0	-.71	-1.05	-1.17	-.34	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2015

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	21.8	22.6	22.4	28.0	92.4	91.9	19.1	20.0	0.016988
01:00	21.5	22.4	22.0	27.8	93.0	94.9	18.8	19.9	0.016671
02:00	21.3	22.5	21.8	27.5	93.1	96.1	18.5	19.9	0.016412
03:00	21.4	22.3	21.9	27.3	93.1	96.1	18.7	19.7	0.016514
04:00	21.6	22.1	22.1	27.1	94.2	95.3	18.9	19.5	0.016774
05:00	21.8	22.1	22.3	27.0	94.1	93.7	19.1	19.5	0.016948
06:00	21.5	22.0	21.9	26.8	94.6	95.5	18.8	19.4	0.016614
07:00	21.8	21.9		26.7	94.1	93.4	19.2	19.2	0.016994
08:00	21.7	21.4	22.9	26.6	83.9	83.2	19.0	18.6	0.016924
09:00	21.8	21.4	23.4	26.5	76.4	75.7	19.0	18.5	0.016982
10:00	22.1	21.6	24.2	26.5	71.7	71.2	19.3	18.7	0.017361
11:00	22.1	21.5	24.7	26.7	65.7	65.1	19.2	18.5	0.017399
12:00	21.9	21.5	24.9	27.1	61.1	61.4	18.9	18.4	0.017203
13:00	23.2	22.7	25.1	27.7	73.6	73.7	20.5	19.9	0.018583
14:00	22.5	22.3	25.3	28.1	63.5	65.0	19.6	19.4	0.017882
15:00	22.2	21.9	24.3	28.4	71.3	70.7	19.4	19.0	0.017507
16:00	21.5	21.3	23.7	28.5	69.1	70.8	18.5	18.4	0.016666
17:00	19.8	19.7	22.0	28.6	69.8	69.8	16.9	16.8	0.015059
18:00	20.5	20.1	22.0	28.5	77.9	77.3	17.6	17.2	0.015705
19:00	21.3	20.9	22.8	28.4	79.0	77.1	18.5	18.0	0.016494
20:00	21.5	21.2	22.4	28.3	87.3	84.4	18.8	18.4	0.016686
21:00	21.3	21.5	21.9	28.2	90.7	90.3	18.5	18.7	0.016425
22:00	21.0	21.4	21.6	28.0	92.2	92.5	18.3	18.7	0.01615
23:00	20.9	21.4	21.5	27.8	92.9	94.1	18.2	18.8	0.016062
Avg	21.6	21.7	22.9	27.6	82.3	82.5	18.8	18.9	0.016792
Max	23.2	22.7	25.3	28.6	94.6	96.1	20.5	20.0	0.018583
Hr. of Max	13	13	14	17	06	03	13	00	13
Min	19.8	19.7	21.5	26.5	61.1	61.4	16.9	16.8	0.015059
Count	24	24	23	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)

7/18/2015

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	0.017858	26.2	27.5	.00	29.10	985.4	-2.4	.00	318.3
01:00	0.017688	25.7	27.2	.00	29.09	985.0	-2.1	.00	285.1
02:00	0.017731	25.3	27.3	.00	29.10	985.5	-2.4	.00	303.9
03:00	0.0175	25.5	27.0	.00	29.10	985.5	-2.6	.00	257.3
04:00	0.017331	25.9	26.7	.00	29.10	985.5	-2.2	.00	294.0
05:00	0.017331	26.2	26.7	.00	29.12	986.0	-2.3	.00	41.9
06:00	0.017218	25.7	26.6	.00	29.12	986.1	.9	.00	263.8
07:00	0.017073	26.2	26.3	.00	29.12	986.0	61.1	.09	312.5
08:00	0.016586	26.1	25.6	.00	29.12	986.3	258.8	.37	229.6
09:00	0.016574	26.2	25.6	.00	29.15	987.2	378.8	.54	201.8
10:00	0.016783	26.8	25.9	.00	29.15	987.3	581.7	.83	202.7
11:00	0.016727	26.9	25.9	.00	29.15	987.3	784.1	1.12	207.8
12:00	0.016687	26.6	25.8	.00	29.14	986.8	588.3	.84	233.3
13:00	0.017956	28.6	27.7	.00	29.14	986.9	824.1	1.18	344.6
14:00	0.017575	27.6	27.1	.00	29.13	986.6	800.6	1.15	138.2
15:00	0.017166	27.0	26.5	.00	29.13	986.6	342.9	.49	323.4
16:00	0.016532	25.7	25.5	.00	29.13	986.4	431.2	.62	48.5
17:00	0.014946	23.3	23.1	.00	29.13	986.3	41.2	.06	309.4
18:00	0.015255	24.3	23.6	.01	29.10	985.6	252.3	.36	218.4
19:00	0.016039	25.5	24.8	.00	29.09	985.2	112.9	.16	207.8
20:00	0.016382	25.7	25.3	.00	29.10	985.4	17.7	.03	277.3
21:00	0.016634	25.4	25.7	.00	29.10	985.4	-2.1	.00	267.7
22:00	0.016511	25.0	25.5	.00	29.12	986.1	-2.3	.00	249.3
23:00	0.016599	24.8	25.6	.00	29.13	986.4	-2.2	.00	257.5
Avg	0.016862	25.9	26.0	.00	29.12	986.1	227.3	.33	266.0
Max	0.017956	28.6	27.7	.01	29.15	987.3	824.1	1.18	344.6
Hr. of Max	13	13	13	18	11	11	13	13	13
Min	0.014946	23.3	23.1	.00	29.09	985.0	-2.6	.00	41.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2015

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	79.9	65.9	332.7	64.8	43.1	37.9	21.8	.4	.8
01:00	298.1	170.7	279.3	172.4	41.9	34.2	22.5	.8	.6
02:00	33.7	265.4	297.6	316.4	39.1	20.0	25.7	.2	.6
03:00	255.1	219.8	253.2	223.3	21.3	39.7	25.7	1.0	1.1
04:00	274.3	216.9	282.3	217.8	47.6	30.6	19.7	.5	1.2
05:00	73.9	41.0	34.3	36.2	65.0	22.6	30.6	.7	1.2
06:00	235.8	173.7	265.8	175.3	18.7	22.5	21.6	1.5	1.8
07:00	297.1	204.5	314.0	209.3	44.0	49.0	44.9	.4	.6
08:00	235.3	211.4	236.4	211.9	46.0	39.8	24.9	1.0	1.5
09:00	212.3	218.3	206.9	219.6	24.9	21.3	17.7	2.7	3.3
10:00	217.4	216.1	209.7	217.3	38.3	37.1	29.8	2.4	3.0
11:00	218.1	215.7	216.3	217.4	35.5	29.0	23.6	2.4	3.0
12:00	237.2	231.1	239.1	233.2	34.7	27.7	24.8	3.3	4.4
13:00	308.3	302.6	292.9	296.0	44.6	43.6	39.3	.3	1.4
14:00	132.3	128.2	171.8	128.3	54.0	41.6	38.1	1.0	.9
15:00	322.1	316.8	324.6	313.3	30.7	23.6	19.3	3.5	5.2
16:00	53.8	46.2	53.0	41.0	49.8	39.8	38.6	2.5	3.5
17:00	328.7	324.3	305.6	321.6	47.3	51.0	47.8	2.2	3.6
18:00	248.2	261.4	224.0	262.9	42.1	45.2	33.1	2.1	2.6
19:00	200.2	196.6	214.5	198.3	39.8	40.9	38.3	.9	1.4
20:00	241.9	218.7	276.3	220.0	37.1	22.3	17.9	1.1	2.3
21:00	236.2	220.9	267.8	224.1	32.1	18.6	21.5	.8	.9
22:00	233.5	293.1	250.2	290.6	25.4	49.1	45.4	.9	.8
23:00	239.0	254.5	261.4	255.6	28.0	24.9	29.2	1.8	3.2
Avg	252.0	229.0	265.0	234.0	38.8	33.8	29.2	.0	.0
Max	328.7	324.3	332.7	321.6	65.0	51.0	47.8	3.5	5.2
Hr. of Max	17	17	00	17	05	17	17	15	15
Min	33.7	41.0	34.3	36.2	18.7	18.6	17.7	.2	.6
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)

7/18/2015

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	.6	1.0	1.2	.9	1.5	2.1	.2	.03
01:00	.9	1.1	1.3	1.4	1.5	1.7	2.3	.3	.05
02:00	.2	.3	.8	.3	.7	.6	1.4	-1.1	.02
03:00	1.2	1.1	1.2	1.3	1.6	1.6	2.0	1.3	.05
04:00	1.6	.7	1.3	1.9	1.0	2.2	2.6	-.5	.04
05:00	1.0	1.0	1.5	1.6	1.3	1.9	.9	1.1	-.02
06:00	1.6	1.6	1.9	1.8	2.0	2.1	-.1	.7	-.01
07:00	.9	.8	1.1	1.0	1.2	1.3	3.6	.4	.06
08:00	2.1	1.1	1.8	2.4	1.6	2.7	-3.7	-4.7	-.13
09:00	3.6	3.0	3.5	3.8	3.4	4.2	.8	-1.3	-.01
10:00	3.5	2.9	3.4	3.8	3.5	4.3	2.5	-2.4	.03
11:00	3.5	3.1	3.5	4.0	3.8	4.5	.2	-2.4	-.09
12:00	4.8	4.1	5.3	5.8	4.7	6.3	-.2	.3	-.21
13:00	2.3	3.2	4.3	4.9	3.6	5.2	.9	2.0	-.06
14:00	1.0	3.4	4.2	4.7	4.1	5.3	-1.0	-1.9	-.20
15:00	6.5	4.7	7.0	8.6	5.1	9.0	-3.1	-1.2	-.50
16:00	3.8	3.1	3.9	4.3	3.6	4.8	-6.4	-2.9	-.30
17:00	5.2	3.5	4.8	6.0	4.0	6.5	1.8	.3	-.19
18:00	3.0	2.3	3.0	3.5	2.8	4.0	6.3	4.3	.22
19:00	1.7	1.1	1.7	2.0	1.6	2.4	1.5	6.9	.04
20:00	3.1	1.3	2.5	3.4	1.6	3.7	-.7	-1.5	-.05
21:00	1.6	1.0	1.0	1.6	1.4	1.9	1.1	1.5	.01
22:00	1.2	1.0	1.1	1.6	1.4	1.9	1.4	2.9	.03
23:00	2.8	2.2	3.3	3.0	2.6	3.3	.0	.9	-.04
Avg	.0	2.0	2.7	3.1	2.5	3.5	.7	.1	-.05
Max	6.5	4.7	7.0	8.6	5.1	9.0	6.3	6.9	.22
Hr. of Max	15	15	15	15	15	15	18	19	18
Min	.2	.3	.8	.3	.7	.6	-6.4	-4.7	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.01	2.1	2.3	3.0	2.4	3.2	7.0	5.9
01:00	.02	3.0	3.4	4.4	3.5	4.6	8.2	7.9
02:00	-.03	1.6	2.5	2.7	2.1	2.4	7.2	13.0
03:00	.04	2.3	3.0	3.7	3.0	4.0	5.2	5.4
04:00	-.03	3.4	4.4	3.4	2.3	3.6	8.8	6.1
05:00	.04	3.7	4.8	3.9	3.9	4.4	11.9	8.3
06:00	.02	3.0	3.7	4.8	3.3	5.2	4.4	6.2
07:00	.00	3.7	5.7	6.2			11.7	10.4
08:00	-.15	4.8	5.0	5.0	5.1	5.5	21.8	16.7
09:00	-.14	6.4	8.0	7.8	6.9	9.0	18.8	14.9
10:00	-.22	8.7	8.2	8.5	10.5	9.5	23.2	20.0
11:00	-.31	8.2	9.6	10.3	9.4	9.3	22.6	22.9
12:00	-.04	14.2	16.0	18.8	14.9	18.5	21.0	18.7
13:00	.03	10.5	22.0	26.3	11.4	13.8	23.8	21.3
14:00	-.38	13.5	11.7	11.7	11.2	12.7	25.9	26.4
15:00	-.28	16.0	17.9	18.1	17.9	19.7	17.6	9.2
16:00	-.07	12.6	14.2	14.2	13.2	15.3	23.3	25.6
17:00	-.29	14.4	16.3	18.3	15.4	21.6	22.9	20.8
18:00	.18	7.8	7.6	9.8	9.2	8.5	24.2	18.8
19:00	.21	3.2	4.4	5.7	4.2	6.1	18.1	18.5
20:00	-.08	4.4	7.6	9.8	4.4	7.4	10.8	7.5
21:00	.05	3.2	3.9	6.6	2.7	4.2	8.6	5.8
22:00	.10	3.0	3.9	4.8	3.5	4.6	10.4	16.1
23:00	.05	4.6	5.0	5.3	4.4	5.6	7.0	4.3
Avg	-.05	6.6	8.0	8.9	7.2	8.6	15.2	13.8
Max	.21	16.0	22.0	26.3	17.9	21.6	25.9	26.4
Hr. of Max	19	15	13	13	15	17	14	14
Min	-.38	1.6	2.3	2.7	2.1	2.4	4.4	4.3
Count	24	24	24	24	23	23	24	24
Total								