Date Printed: 06/30/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2015

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	14.5	16.1	16.9	17.6	1.59	2.37	3.08	.78	1.48
01:00	14.1	15.3	15.9	16.6	1.21	1.83	2.50	.61	1.29
02:00	13.7	14.9	15.4	16.2	1.22	1.71	2.54	.49	1.31
03:00	13.3	14.3	14.8	15.4	.98	1.49	2.07	.51	1.09
04:00	13.0	13.9	14.4	15.1	.97	1.45	2.11	.48	1.14
05:00	12.7	13.5	13.9	14.5	.80	1.22	1.77	.42	.97
06:00	12.6	13.4	13.7	14.2	.85	1.18	1.64	.33	.79
07:00	14.4	14.3	14.7	15.2	-.04	.30	.82	.34	.85
08:00	16.9	16.6	16.5	16.5	-.25	-.39	-.42	-.14	-.16
09:00	18.9	18.6	18.4	18.2	-.35	-.57	-.69	-.22	-.34
10:00	19.9	19.5	19.3	19.2	-.35	-.59	-.67	-.23	-.31
11:00	20.9	20.5	20.2	20.1	-.47	-.73	-.84	-.26	-.37
12:00	23.3	22.5	22.2	22.1	-.75	-1.08	-1.18	-.33	-.43
13:00	25.3	24.4	24.0	23.9	-.96	-1.30	-1.40	-.34	-.45
14:00	26.8	26.0	25.7	25.6	-.80	-1.18	-1.26	-.38	-.46
15:00	27.1	26.6	26.3	26.3	-.49	-.79	-.86	-.29	-.36
16:00	27.4	26.9	26.7	26.6	-.46	-.75	-.84	-.29	-.37
17:00	27.5	27.1	26.8	26.7	-.42	-.74	-.89	-.32	-.47
18:00	27.3	27.0	26.7	26.6	-.37	-.63	-.72	-.26	-.36
19:00	26.7	26.6	26.5	26.5	-.07	-.22	-.22	-.15	-.15
20:00	25.4	25.8	25.8	25.9	.35	.37	.50	.02	.15
21:00	23.2	24.5	24.9	25.2	1.34	1.75	2.02	.41	.68
22:00	21.2	22.1	23.1	23.4	.92	1.91	2.29	.99	1.37
23:00	19.9	20.2	20.3	20.6	.27	.40	.70	.13	.43
Avg	20.3	20.4	20.5	20.8	.20	.29	.50	.10	.31
Max	27.5	27.1	26.8	26.7	1.59	2.37	3.08	.99	1.48
Hr. of Max	17	17	17	17	00	00	00	22	00
Min	12.6	13.4	13.7	14.2	-.96	-1.30	-1.40	-.38	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2015

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	12.5	12.8	13.2	25.3	89.2	81.9	11.0	11.1	0.009331
01:00	12.5	13.0	13.0	25.0	91.5	87.5	10.9	11.3	0.009307
02:00	12.3	13.0	12.7	24.6	92.6	90.1	10.8	11.3	0.009167
03:00	12.0	12.8	12.5	24.3	93.2	92.1	10.7	11.2	0.009029
04:00	11.7	12.7	12.2	24.0	93.6	93.9	10.5	11.1	0.008859
05:00	11.6	12.6	11.9	23.6	94.1	95.4	10.3	11.0	0.008747
06:00	11.4	12.5	11.8	23.4	94.1	95.9	10.3	11.0	0.008655
07:00	13.0	12.8	13.4	23.1	92.7	91.9	11.3	11.2	0.009607
08:00	13.8	13.3	14.8	22.9	83.5	82.0	11.8	11.5	0.01016
09:00	14.1	13.5	15.7	22.7	74.8	73.5	12.0	11.5	0.010351
10:00	14.4	14.1	16.2	22.8	72.0	72.0	12.2	11.9	0.010581
11:00	14.8	14.5	16.9	22.9	69.5	70.1	12.5	12.3	0.010901
12:00	14.6	14.1	17.5	23.1	59.6	60.2	12.2	11.8	0.010741
13:00	15.9	15.4	19.0	23.5	57.2	58.7	13.2	12.8	0.011708
14:00	16.9	16.6	20.2	24.0	55.9	57.4	14.0	13.8	0.012513
15:00	17.4	17.1	20.6	24.5	56.8	57.5	14.5	14.2	0.012949
16:00	17.3	17.0	20.7	24.8	55.5	56.1	14.4	14.1	0.012879
17:00	17.2	17.0	20.6	25.1	54.7	55.3	14.3	14.1	0.012794
18:00	17.3	17.2	20.7	25.3	55.9	56.5	14.4	14.3	0.012919
19:00	17.5	17.4	20.6	25.5	58.6	58.4	14.6	14.5	0.013053
20:00	17.6	17.4	20.2	25.5	63.5	61.4	14.7	14.5	0.01308
21:00	18.3	17.6	20.0	25.5	76.1	67.2	15.5	14.8	0.01371
22:00	18.8	18.5	19.6	25.3	88.5	82.4	16.0	15.7	0.014076
23:00	18.2	18.0	18.8	25.1	91.8	89.1	15.5	15.3	0.013529
Avg	15.0	15.0	16.8	24.2	75.6	74.4	12.8	12.8	0.011194
Max	18.8	18.5	20.7	25.5	94.1	95.9	16.0	15.7	0.014076
Hr. of Max	22	22	18	21	06	06	22	22	22
Min	11.4	12.5	11.8	22.7	54.7	55.3	10.3	11.0	0.008655
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)

6/29/2015

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	0.009493	14.5	14.8	.00	29.07	984.4	-2.1	.00	7.1
01:00	0.009622	14.5	15.0	.00	29.07	984.4	-1.5	.00	317.4
02:00	0.009656	14.3	15.0	.00	29.06	984.2	-3.4	.00	19.4
03:00	0.009509	14.1	14.8	.00	29.06	984.1	-3.5	.00	295.3
04:00	0.009466	13.8	14.8	.00	29.06	984.3	-2.5	.00	287.9
05:00	0.009349	13.7	14.6	.00	29.07	984.5	-1.2	.00	277.2
06:00	0.009325	13.5	14.5	.00	29.08	984.9	9.5	.01	313.7
07:00	0.009488	15.0	14.8	.00	29.09	985.3	90.1	.13	267.9
08:00	0.009821	15.8	15.3	.00	29.10	985.4	212.7	.30	231.6
09:00	0.009946	16.1	15.5	.00	29.10	985.4	406.6	.58	218.1
10:00	0.010351	16.5	16.1	.00	29.09	985.2	177.8	.25	253.3
11:00	0.010677	17.0	16.6	.00	29.09	985.1	348.5	.50	231.7
12:00	0.010375	16.7	16.2	.00	29.08	984.7	704.1	1.01	221.7
13:00	0.011348	18.2	17.6	.00	29.06	984.2	832.3	1.19	220.9
14:00	0.012262	19.4	19.0	.00	29.04	983.5	790.7	1.13	216.5
15:00	0.012727	20.0	19.7	.00	29.02	982.9	450.7	.65	214.6
16:00	0.012659	19.9	19.6	.00	29.00	982.2	422.9	.61	213.4
17:00	0.012619	19.8	19.5	.00	28.99	981.7	426.3	.61	210.8
18:00	0.012786	20.0	19.8	.00	28.99	981.6	261.2	.37	223.2
19:00	0.012963	20.2	20.0	.00	28.99	981.6	153.2	.22	219.1
20:00	0.012935	20.2	20.0	.00	28.99	981.9	24.5	.04	235.9
21:00	0.013119	21.2	20.3	.00	29.01	982.4	-.9	.00	266.2
22:00	0.013821	21.8	21.4	.31	29.02	982.9	-1.9	.00	347.0
23:00	0.013349	20.9	20.7	.11	29.05	983.9	-1.6	.00	24.1
Avg	0.011153	17.4	17.3	.02	29.05	983.8	220.5	.32	257.0
Max	0.013821	21.8	21.4	.31	29.10	985.4	832.3	1.19	347.0
Hr. of Max	22	22	22	22	09	09	13	13	22
Min	0.009325	13.5	14.5	.00	28.99	981.6	-3.5	.00	7.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2015

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	63.1	179.9	292.1	207.9	37.5	30.7	44.6	.2	.7
01:00	335.9	180.0	318.3	184.6	46.9	62.6	23.9	.6	.1
02:00	66.3	39.7	19.6	32.4	31.8	12.8	44.6	.4	1.5
03:00	45.9	43.4	298.5	38.8	23.0	55.5	16.7	.6	.8
04:00	49.9	23.7	283.5	20.0	36.2	44.0	17.0	.5	.0
05:00	227.2	214.0	280.7	226.8	19.4	11.9	38.0	.6	1.0
06:00	226.3	241.9	291.5	243.5	34.0	39.4	17.0	.2	.6
07:00	352.3	261.8	250.2	262.2	65.3	28.2	36.8	.2	.3
08:00	252.2	200.1	240.7	202.6	47.4	44.6	28.3	.8	1.0
09:00	225.0	219.4	223.3	220.0	37.4	30.4	23.4	2.1	2.6
10:00	260.2	251.9	255.3	253.7	37.8	29.4	28.7	1.8	2.4
11:00	238.8	234.4	235.6	235.5	24.9	23.7	23.7	3.0	3.6
12:00	229.0	227.3	226.8	229.2	26.2	19.2	15.0	5.0	6.8
13:00	225.9	226.1	226.4	227.8	29.4	22.1	17.3	5.3	7.2
14:00	221.6	220.9	222.6	223.3	22.7	16.2	12.9	6.9	9.6
15:00	221.3	220.4	220.6	222.5	23.7	18.2	14.4	5.9	8.4
16:00	219.0	217.2	220.2	219.5	21.7	17.1	11.8	8.1	11.5
17:00	217.0	214.0	215.8	216.2	24.6	17.0	13.1	7.9	11.5
18:00	226.1	223.5	228.7	225.8	23.1	18.5	12.5	6.4	9.3
19:00	224.6	222.3	225.0	224.5	24.4	16.7	12.9	5.2	8.0
20:00	230.7	222.4	240.1	224.6	22.2	14.4	10.1	2.8	5.1
21:00	206.8	197.4	269.4	199.6	36.3	24.8	17.0	.4	1.1
22:00	7.0	37.4	345.6	22.0	35.5	30.9	38.2	1.7	2.5
23:00	21.1	19.2	25.4	14.3	32.4	22.9	19.0	2.9	6.0
Avg	242.0	222.0	258.0	230.0	31.8	27.1	22.4	.0	.0
Max	352.3	261.8	345.6	262.2	65.3	62.6	44.6	8.1	11.5
Hr. of Max	07	07	22	07	07	01	02	16	17
Min	7.0	19.2	19.6	14.3	19.4	11.9	10.1	.2	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2015

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	.1	.4	.9	.4	.7	.8	-.1	.2	-.01
01:00	.4	.7	.6	.6	1.0	1.0	-.1	-1.3	-.01
02:00	1.2	.5	1.6	1.4	.8	1.7	2.4	1.2	.03
03:00	1.5	.8	.8	1.6	1.1	2.0	.0	1.3	.00
04:00	.6	.7	.3	.6	1.0	1.0	.7	.0	.01
05:00	.5	.6	1.0	.5	.9	.8	.8	.2	.02
06:00	1.2	.3	.8	1.3	.7	1.6	.4	1.1	.01
07:00	.4	.2	.5	.6	.6	1.0	-.3	.3	-.01
08:00	1.1	.9	1.0	1.3	1.5	1.7	-1.3	-7.6	-.03
09:00	3.0	2.4	2.8	3.2	3.0	3.7	.2	-1.4	-.09
10:00	2.9	2.1	2.7	3.2	2.6	3.6	2.6	.2	-.05
11:00	4.1	3.4	4.1	4.6	3.9	5.1	-.5	2.5	-.11
12:00	8.0	5.5	7.3	8.3	6.2	9.0	-1.4	-.8	-.35
13:00	8.6	6.2	7.8	9.0	6.8	9.7	-.4	1.0	-.26
14:00	11.4	7.4	10.0	11.7	8.1	12.5	-.4	-.9	-.33
15:00	10.1	6.4	8.8	10.4	7.2	11.2	-.7	-.2	-.31
16:00	14.3	8.6	11.9	14.6	9.4	15.5	-.8	-.6	-.50
17:00	14.2	8.5	11.9	14.6	9.4	15.5	.1	.0	-.29
18:00	12.0	6.9	9.7	12.3	7.5	13.1	.0	.7	-.27
19:00	10.4	5.7	8.3	10.6	6.4	11.5	-1.1	1.3	-.34
20:00	7.5	3.1	5.4	7.7	3.7	8.2	-2.1	.2	-.22
21:00	2.9	.8	1.8	3.3	1.1	3.7	.6	1.1	.01
22:00	1.9	2.4	3.5	3.8	2.7	4.1	-.6	1.0	-.16
23:00	8.5	4.0	7.0	9.6	4.4	10.1	-1.9	.8	-.35
Avg	.0	3.3	4.6	5.6	3.8	6.2	-.2	.0	-.15
Max	14.3	8.6	11.9	14.6	9.4	15.5	2.6	2.5	.03
Hr. of Max	16	16	17	17	17	17	10	11	02
Min	.1	.2	.3	.4	.6	.8	-2.1	-7.6	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2015

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	.00	1.8	2.3	3.2	2.1	4.3	10.3	13.7
01:00	-.02	2.3	2.5	3.7	2.4	2.7	9.7	7.9
02:00	.04	2.1	3.0	3.4	2.5	3.7	7.6	4.9
03:00	.04	2.5	2.3	5.3	2.8	3.4	6.2	5.0
04:00	.01	2.3	1.8	1.6	2.6	1.9	8.3	7.8
05:00	.02	3.2	2.7	2.5	2.5	2.7	7.6	7.4
06:00	.03	1.4	2.3	3.2	1.7	3.1	8.9	4.3
07:00	.00	1.4	2.1	2.7	1.9	2.7	12.1	12.3
08:00	-.19	4.6	4.6	4.1	4.6	4.7	25.9	15.9
09:00	-.27	7.6	9.4	8.5	8.3	9.2	22.9	19.5
10:00	-.08	6.6	8.5	8.2	6.5	9.2	22.7	16.6
11:00	.16	9.6	11.7	11.4	10.0	12.1	19.1	15.7
12:00	-.29	13.1	15.3	18.5	13.6	16.9	17.3	13.0
13:00	-.02	15.6	16.0	21.5	15.9	18.4	16.9	13.1
14:00	-.36	20.8	20.6	20.6	18.0	22.6	17.4	9.7
15:00	-.21	28.4	27.5	25.2	16.1	19.9	16.6	10.6
16:00	-.30	26.1	24.5	27.0	26.6	28.8	16.7	9.1
17:00	-.27	21.5	24.3	36.0	24.9	28.1	17.9	9.9
18:00	-.04	19.2	24.3	25.4	20.8	25.7	17.4	9.2
19:00	.07	21.3	27.7	27.2	17.9	21.1	16.8	9.9
20:00	-.02	10.1	13.5	20.4	11.7	17.1	14.4	7.2
21:00	.04	3.2	8.7	9.2	3.1	7.5	8.6	7.5
22:00	.00	16.7	21.5	18.8	16.8	59.0	15.0	14.7
23:00	.02	14.7	18.5	22.0	17.1	22.8	19.2	9.0
Avg	-.07	10.7	12.3	13.7	10.4	14.5	14.8	10.6
Max	.16	28.4	27.7	36.0	26.6	59.0	25.9	19.5
Hr. of Max	11	15	19	17	16	22	08	09
Min	-.36	1.4	1.8	1.6	1.7	1.9	6.2	4.3
Count	24	24	24	24	24	24	24	24
Total								