Date Printed: 07/27/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2015

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	21.2	22.0	22.5	22.9	.79	1.23	1.68	.45	.90
01:00	20.8	21.5	21.9	22.3	.73	1.12	1.50	.39	.77
02:00	20.4	21.3	21.6	21.9	.88	1.12	1.44	.24	.56
03:00	20.0	21.1	21.3	21.6	1.10	1.34	1.61	.24	.52
04:00	19.6	20.6	20.8	21.1	1.03	1.27	1.52	.24	.49
05:00	19.5	20.3	20.4	20.5	.80	.90	.98	.10	.18
06:00	19.8	20.2	20.2	20.4	.43	.45	.63	.02	.20
07:00	20.3	20.5	20.4	20.5	.14	.03	.20	-.11	.06
08:00	22.4	22.1	21.6	21.6	-.32	-.85	-.79	-.53	-.47
09:00	24.6	24.2	23.9	23.6	-.40	-.68	-.93	-.28	-.53
10:00	26.5	26.0	25.7	25.6	-.50	-.80	-.93	-.29	-.42
11:00	28.3	27.7	27.5	27.3	-.58	-.85	-.97	-.27	-.39
12:00	29.7	29.0	28.7	28.6	-.68	-.99	-1.09	-.31	-.41
13:00	30.8	29.9	29.6	29.5	-.85	-1.15	-1.26	-.30	-.41
14:00	31.3	30.6	30.3	30.1	-.70	-1.02	-1.18	-.31	-.48
15:00	32.2	31.4	31.1	31.0	-.80	-1.07	-1.23	-.27	-.42
16:00	32.3	31.6	31.3	31.2	-.69	-1.00	-1.12	-.31	-.43
17:00	30.8	30.3	30.3	30.2	-.42	-.51	-.54	-.09	-.12
18:00	28.1	27.7	27.5	27.5	-.41	-.62	-.66	-.21	-.25
19:00	28.1	27.9	27.6	27.5	-.25	-.49	-.58	-.24	-.33
20:00	25.9	26.6	27.0	27.3	.67	1.09	1.37	.41	.70
21:00	24.0	24.4	25.2	25.9	.49	1.29	1.99	.80	1.50
22:00	23.4	24.1	24.6	25.0	.63	1.18	1.54	.55	.91
23:00	22.9	23.4	24.1	24.5	.50	1.21	1.63	.71	1.13
Avg	25.1	25.2	25.2	25.3	.07	.09	.20	.03	.14
Max	32.3	31.6	31.3	31.2	1.10	1.34	1.99	.80	1.50
Hr. of Max	16	16	16	16	03	03	21	21	21
Min	19.5	20.2	20.2	20.4	-.85	-1.15	-1.26	-.53	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2015

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	19.7	20.8	20.2	27.5	93.2	95.4	16.9	18.1	0.014892
01:00	19.3	20.6	19.8	27.3	93.6	96.8	16.6	17.9	0.014551
02:00	19.1	20.5	19.5	27.1	94.2	97.5	16.4	17.8	0.014333
03:00	18.6	20.2	19.1	26.9	94.2	97.3	15.9	17.5	0.013912
04:00	18.3	19.8	18.7	26.6	94.5	97.6	15.6	17.1	0.013617
05:00	18.3	19.6	18.7	26.4	94.8	97.8	15.6	16.9	0.013627
06:00	18.7	19.6	19.0	26.2	95.5	98.4	16.0	16.8	0.013955
07:00	19.0	19.6	19.5	26.0	94.4	97.3	16.3	16.9	0.014258
08:00	19.9	19.8	20.8	25.9	88.1	88.7	17.1	17.0	0.015127
09:00	20.6	20.1	21.9	25.8	81.0	80.2	17.8	17.2	0.015814
10:00	20.9	20.3	22.8	25.7	73.5	72.6	18.0	17.3	0.016112
11:00	21.2	20.6	23.6	25.9	67.6	67.3	18.3	17.6	0.016474
12:00	21.5	20.8	24.3	26.3	63.6	63.3	18.5	17.8	0.016788
13:00	21.5	21.0	24.6	26.8	59.8	60.6	18.5	17.9	0.016801
14:00	21.3	20.8	24.7	27.3	57.4	57.9	18.3	17.7	0.016635
15:00	20.6	19.9	24.4	27.7	52.1	52.2	17.4	16.7	0.015888
16:00	20.1	19.5	24.2	27.9	50.4	50.2	16.9	16.3	0.015462
17:00	20.6	20.2	24.0	28.2	56.7	56.5	17.5	17.0	0.015866
18:00	20.4	20.4	23.0	28.4	64.9	66.1	17.4	17.4	0.01568
19:00	20.3	20.1	22.9	28.5	64.6	64.6	17.3	17.1	0.015594
20:00	21.3	20.9	22.9	28.5	78.0	73.3	18.5	18.0	0.016537
21:00	21.0	21.0	22.0	28.4	85.7	83.6	18.2	18.2	0.016176
22:00	20.8	20.8	21.6	28.3	87.2	84.2	18.0	18.0	0.015926
23:00	20.6	20.9	21.4	28.1	89.3	87.9	17.9	18.1	0.015812
Avg	20.2	20.3	21.8	27.2	78.1	78.6	17.3	17.4	0.01541
Max	21.5	21.0	24.7	28.5	95.5	98.4	18.5	18.2	0.016801
Hr. of Max	13	21	14	20	06	06	20	21	13
Min	18.3	19.5	18.7	25.7	50.4	50.2	15.6	16.3	0.013617
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)

7/26/2015

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	0.015993	23.0	24.7	.00	29.08	984.8	-2.5	.00	257.4
01:00	0.01574	22.5	24.3	.00	29.07	984.5	-2.1	.00	257.2
02:00	0.015658	22.2	24.2	.00	29.06	984.2	-2.3	.00	356.9
03:00	0.015378	21.5	23.7	.00	29.06	984.2	-2.4	.00	18.0
04:00	0.014994	21.1	23.2	.00	29.06	984.0	-2.3	.00	24.7
05:00	0.014773	21.1	22.8	.00	29.06	984.0	-3.5	-.01	11.8
06:00	0.014755	21.6	22.8	.00	29.07	984.3	2.8	.00	57.8
07:00	0.014831	22.1	22.9	.00	29.08	984.8	80.7	.12	71.4
08:00	0.014934	23.4	23.1	.00	29.10	985.3	308.8	.44	82.1
09:00	0.01528	24.4	23.6	.00	29.11	985.9	494.4	.71	97.8
10:00	0.015448	24.9	23.9	.00	29.10	985.6	667.5	.96	111.9
11:00	0.015857	25.4	24.5	.00	29.10	985.4	781.4	1.12	207.8
12:00	0.016057	25.9	24.8	.00	29.10	985.5	922.6	1.32	192.0
13:00	0.016213	25.9	25.0	.00	29.09	985.3	983.8	1.41	211.5
14:00	0.0161	25.7	24.9	.00	29.09	985.0	895.3	1.28	193.7
15:00	0.015209	24.5	23.5	.00	29.07	984.5	936.8	1.34	223.6
16:00	0.014818	23.9	22.9	.00	29.06	984.1	645.9	.93	232.8
17:00	0.015457	24.5	23.9	.00	29.06	984.1	267.2	.38	263.6
18:00	0.015611	24.2	24.1	.00	29.06	984.2	203.8	.29	251.8
19:00	0.015363	24.1	23.7	.00	29.05	983.8	222.4	.32	227.9
20:00	0.016157	25.5	24.9	.00	29.05	983.7	16.6	.02	299.5
21:00	0.01623	24.9	25.0	.00	29.05	983.9	-2.2	.00	260.9
22:00	0.015969	24.6	24.6	.00	29.07	984.5	-2.1	.00	282.4
23:00	0.01603	24.4	24.7	.00	29.08	984.7	-2.3	.00	270.9
Avg	0.015536	23.8	24.0	.00	29.07	984.6	308.7	.44	253.0
Max	0.01623	25.9	25.0	.00	29.11	985.9	983.8	1.41	356.9
Hr. of Max	21	13	21	23	09	09	13	13	02
Min	0.014755	21.1	22.8	.00	29.05	983.7	-3.5	-.01	11.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2015

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	219.5	217.3	261.7	219.9	11.8	11.8	15.2	1.2	1.6
01:00	19.0	209.1	256.0	213.6	20.3	47.8	18.2	.8	.3
02:00	72.3	87.4	338.1	80.8	46.6	33.2	41.0	.5	.6
03:00	63.2	45.5	15.4	34.1	48.0	36.8	32.0	.5	.8
04:00	76.6	69.0	356.1	64.3	67.1	24.1	16.8	.3	.7
05:00	40.6	72.8	319.7	67.3	48.2	26.4	22.0	.3	.9
06:00	59.9	64.0	56.1	59.2	21.2	14.5	10.2	.9	1.9
07:00	72.8	70.0	57.6	65.2	30.9	18.2	13.4	.5	1.4
08:00	69.0	64.1	85.9	58.9	32.1	30.8	26.7	1.2	1.1
09:00	93.8	93.1	99.3 +	88.4	27.7	26.7	30.8	1.9	1.9
10:00	126.3	134.3	120.0	129.7	47.8	41.7	44.6	1.6	1.5
11:00	212.1	208.0	218.2	207.9	55.7	51.1	44.4	1.7	2.0
12:00	206.8	213.5	199.1	215.2	49.9	42.8	35.1	2.5	3.1
13:00	214.5	214.4	217.4	216.2	33.2	25.9	21.8	4.1	5.1
14:00	201.3	199.6	198.0	200.6	44.7	39.8	35.8	2.6	3.1
15:00	238.1	239.0	229.4	239.1	45.3	41.2	34.3	2.6	3.3
16:00	244.0	239.5	237.2	240.4	35.3	34.6	32.6	2.7	3.3
17:00	261.9	258.2	268.6	258.7	23.4	18.6	18.7	4.4	6.2
18:00	258.7	262.7	254.6	263.3	30.2	22.3	19.4	3.7	5.6
19:00	240.6	250.1	234.2	253.1	47.2	36.6	25.6	1.3	1.6
20:00	253.5	193.5	294.2	198.4	29.9	26.3	26.9	.9	.6
21:00	243.9	215.6	262.2	216.5	29.6	52.8	38.2	1.3	1.5
22:00	61.1	111.3	280.2	110.1	25.9	46.3	25.1	.6	.2
23:00	247.4	226.3	270.9	227.5	28.6	19.4	20.6	1.0	1.4
Avg	191.0	181.0	261.0	186.0	36.7	32.1	27.1	.0	.0
Max	261.9	262.7	356.1	263.3	67.1	52.8	44.6	4.4	6.2
Hr. of Max	17	18	04	18	04	21	10	17	17
Min	19.0	45.5	15.4	34.1	11.8	11.8	10.2	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2015

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	2.1	1.3	1.8	2.1	1.6	2.4	1.7	-.7	.04
01:00	.8	.9	.8	.9	1.3	1.2	.2	.8	.00
02:00	.6	.7	.8	.8	1.0	1.2	1.2	-.3	.01
03:00	1.0	.9	.9	1.1	1.2	1.4	3.1	1.7	.06
04:00	1.3	.4	.7	1.4	.8	1.7	.9	.4	.01
05:00	1.1	.5	1.1	1.3	1.0	1.6	1.7	-.1	.02
06:00	2.5	1.0	2.1	2.6	1.4	2.8	.0	-1.7	-.02
07:00	2.0	.7	1.6	2.1	1.1	2.3	3.1	.0	.04
08:00	1.2	1.4	1.3	1.3	1.8	1.8	2.6	10.6	.09
09:00	1.7	2.2	2.2	2.0	2.7	2.5	3.8	1.7	.22
10:00	1.5	2.1	2.3	2.1	2.7	2.7	-2.7	-5.3	-.07
11:00	2.1	2.5	2.7	2.9	3.2	3.6	-6.5	-7.8	-.37
12:00	3.7	3.2	3.7	4.3	3.8	4.9	-1.5	-2.4	-.16
13:00	5.8	4.8	5.6	6.2	5.4	6.8	1.2	-1.4	-.01
14:00	3.8	3.4	4.0	4.6	4.1	5.1	2.6	2.6	.11
15:00	3.7	3.4	4.0	4.3	4.0	4.9	4.0	4.9	.19
16:00	3.8	3.3	4.0	4.4	3.8	5.0	-2.9	1.3	-.23
17:00	7.1	4.8	6.6	7.6	5.2	7.9	-4.1	-.6	-.52
18:00	6.7	4.2	6.3	7.4	4.7	7.8	-1.5	1.2	-.26
19:00	2.3	1.7	2.1	2.8	2.2	3.1	2.3	-.6	.01
20:00	.6	1.2	1.1	1.1	1.5	1.5	1.6	.4	.03
21:00	1.4	1.7	1.6	1.5	2.0	1.8	.9	.4	.01
22:00	.3	.7	.3	.4	1.0	.8	1.5	-.4	.03
23:00	1.6	1.2	1.6	2.2	1.5	2.4	.2	-.3	-.01
Avg	.0	2.0	2.5	2.8	2.5	3.2	.6	.2	-.03
Max	7.1	4.8	6.6	7.6	5.4	7.9	4.0	10.6	.22
Hr. of Max	17	17	17	17	13	17	15	08	09
Min	.3	.4	.3	.4	.8	.8	-6.5	-7.8	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2015

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	-.02	2.7	3.9	5.0	3.0	4.0	9.4	5.0
01:00	.02	3.2	2.5	6.4	3.6	4.0	6.4	6.6
02:00	.01	5.5	3.4	2.5	3.3	2.1	8.4	7.1
03:00	.04	2.5	2.3	2.5	2.7	2.9	7.8	6.3
04:00	.03	1.8	2.3	2.3	2.1	2.8	8.5	5.1
05:00	.01	2.3	2.7	4.4	2.2	3.4	8.8	5.8
06:00	-.09	2.5	4.8	6.0	2.6	4.7	10.7	4.0
07:00	-.01	2.3	3.9	4.1	2.5	3.9	15.0	7.4
08:00	.42	4.4	3.4	3.9	5.3	4.5	22.5	25.6
09:00	.18	5.0	5.5	5.3	6.1	5.7	23.5	25.5
10:00	-.29	6.6	8.7	8.5	7.8	6.5	26.8	30.3
11:00	-.59	7.8	7.3	8.7	8.0	7.4	26.6	29.7
12:00	-.27	8.7	9.8	11.0	9.4	11.4	24.2	24.3
13:00	-.26	13.1	13.3	14.7	14.4	12.7	19.3	17.5
14:00	.09	10.3	12.8	13.5	12.5	14.0	24.0	23.1
15:00	.38	11.2	11.4	11.7	11.0	12.6	23.1	22.8
16:00	.01	9.2	10.1	9.4	9.4	10.6	19.0	20.7
17:00	-.16	19.5	22.0	24.0	20.1	24.2	14.5	10.8
18:00	.08	13.1	14.9	19.9	14.4	18.9	16.7	10.4
19:00	.00	6.2	8.5	9.8	6.0	8.0	22.8	16.7
20:00	.01	2.7	3.0	3.2	3.1	3.6	9.1	12.7
21:00	.02	4.4	4.4	4.8	4.7	5.0	7.6	10.0
22:00	-.01	2.5	1.8	2.1	2.1	2.4	7.5	6.3
23:00	.02	3.2	3.4	6.0	3.6	5.9	8.2	6.6
Avg	-.02	6.3	6.9	7.9	6.7	7.6	15.4	14.2
Max	.42	19.5	22.0	24.0	20.1	24.2	26.8	30.3
Hr. of Max	08	17	17	17	17	17	10	10
Min	-.59	1.8	1.8	2.1	2.1	2.1	6.4	4.0
Count	24	24	24	24	24	24	24	24
Total								