Date Printed: 06/15/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2015

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	21.4	22.8	23.3	24.5	1.42	1.93	3.07	.51	1.65
01:00	21.0	22.2	22.8	23.9	1.21	1.83	2.95	.61	1.74
02:00	20.4	21.5	22.4	23.5	1.12	1.96	3.11	.84	1.99
03:00	20.0	21.2	21.8	22.6	1.14	1.80	2.61	.65	1.46
04:00	19.6	20.3	21.2	21.8	.75	1.60	2.26	.85	1.51
05:00	19.2	20.2	20.9	21.9	1.07	1.70	2.76	.63	1.70
06:00	19.1	20.4	21.1	22.1	1.29	2.01	3.01	.73	1.72
07:00	20.7	21.1	21.8	22.4	.40	1.15	1.76	.75	1.35
08:00	23.8	23.6	23.4	23.4	-.26	-.48	-.47	-.22	-.21
09:00	26.0	25.5	25.2	25.1	-.51	-.83	-.95	-.32	-.44
10:00	27.6	26.9	26.6	26.5	-.62	-.92	-1.10	-.31	-.48
11:00	28.9	28.2	28.0	27.8	-.66	-.91	-1.06	-.25	-.40
12:00	30.3	29.3	29.0	28.9	-.95	-1.24	-1.38	-.29	-.43
13:00	31.2	30.2	29.9	29.9	-.97	-1.26	-1.33	-.29	-.35
14:00	31.9	31.0	30.7	30.6	-.89	-1.20	-1.28	-.32	-.39
15:00	31.2	30.7	30.5	30.4	-.42	-.68	-.72	-.26	-.30
16:00	32.3	31.7	31.3	31.1	-.60	-.99	-1.15	-.39	-.55
17:00	31.1	31.0	30.9	30.9	-.14	-.24	-.27	-.10	-.13
18:00	28.3	28.3	29.0	29.5	.06	.75	1.26	.69	1.20
19:00	28.3	27.9	27.7	27.6	-.38	-.61	-.67	-.22	-.29
20:00	25.9	26.5	26.9	27.1	.61	.99	1.18	.37	.56
21:00	23.7	24.8	25.6	26.3	1.08	1.87	2.61	.79	1.53
22:00	22.7	24.0	24.7	25.3	1.27	1.95	2.60	.68	1.33
23:00	22.0	23.2	23.9	24.5	1.17	1.82	2.45	.65	1.28
Avg	25.3	25.5	25.8	26.2	.26	.50	.89	.24	.63
Max	32.3	31.7	31.3	31.1	1.42	2.01	3.11	.85	1.99
Hr. of Max	16	16	16	16	00	06	02	04	02
Min	19.1	20.2	20.9	21.8	-.97	-1.26	-1.38	-.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)

6/14/2015

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	19.6	19.9	20.2	26.4	91.6	85.7	16.8	17.1	0.014702
01:00	19.2	19.7	19.8	26.2	91.9	88.1	16.5	16.9	0.014392
02:00	18.9	19.5	19.4	25.9	93.0	90.5	16.2	16.8	0.014074
03:00	18.6	19.3	19.1	25.7	93.8	91.3	15.9	16.5	0.013829
04:00	18.3	19.1	18.7	25.4	94.1	95.1	15.6	16.4	0.013522
05:00	17.9	19.3	18.4	25.2	94.7	96.4	15.3	16.5	0.013247
06:00	17.9	19.3	18.3	25.0	94.7	96.0	15.2	16.6	0.013172
07:00	19.1	19.1	19.6	24.8	92.7	91.0	16.3	16.4	0.01422
08:00	19.9	19.4	21.2	24.6	80.6	79.3	17.0	16.5	0.014978
09:00	19.9	19.4	21.9	24.5	71.1	71.0	16.9	16.4	0.015045
10:00	19.4	18.7	22.1	24.5	62.8	62.5	16.4	15.7	0.014583
11:00	18.8	18.0	22.2	24.9	56.2	55.3	15.7	14.9	0.014076
12:00	19.1	18.3	22.8	25.5	52.7	52.8	15.9	15.2	0.014342
13:00	18.9	18.2	23.0	26.3	49.6	50.1	15.7	15.1	0.014188
14:00	18.3	17.6	22.8	27.1	45.9	46.3	15.1	14.6	0.013679
15:00	18.1	17.4	22.4	27.4	47.2	46.4	15.0	14.4	0.013505
16:00	17.5	16.8	22.4	27.5	42.7	42.1	14.4	13.8	0.013037
17:00	18.5	17.8	22.7	27.7	48.9	47.0	15.4	14.7	0.013889
18:00	20.6	19.8	23.2	27.9	65.1	61.6	17.6	16.7	0.015791
19:00	20.8	20.6	23.3	27.9	66.1	66.7	17.8	17.6	0.016007
20:00	21.2	20.8	22.8	27.8	77.7	73.0	18.4	17.8	0.016367
21:00	20.7	20.9	21.7	27.6	85.6	81.2	17.9	18.1	0.015866
22:00	20.3	21.0	21.1	27.4	88.4	85.3	17.5	18.2	0.015429
23:00	20.1	20.7	20.8	27.1	91.1	88.3	17.4	18.0	0.015229
Avg	19.2	19.2	21.2	26.3	74.1	72.6	16.3	16.3	0.014465
Max	21.2	21.0	23.3	27.9	94.7	96.4	18.4	18.2	0.016367
Hr. of Max	20	22	19	19	06	05	20	22	20
Min	17.5	16.8	18.3	24.5	42.7	42.1	14.4	13.8	0.013037
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2015

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	0.015001	22.9	23.3	.00	29.23	989.7	-2.9	.00	294.1
01:00	0.014864	22.4	23.1	.00	29.22	989.5	-1.6	.00	300.7
02:00	0.014665	21.9	22.8	.00	29.21	989.2	-3.0	.00	277.5
03:00	0.014449	21.5	22.4	.00	29.20	988.9	-2.6	.00	290.6
04:00	0.014302	21.0	22.2	.00	29.20	988.8	-.9	.00	239.8
05:00	0.014414	20.6	22.4	.00	29.20	988.9	-2.5	.00	228.5
06:00	0.014456	20.5	22.5	.00	29.21	989.3	8.1	.01	20.0
07:00	0.014292	22.1	22.2	.00	29.23	989.9	121.0	.17	231.0
08:00	0.014519	23.3	22.6	.00	29.25	990.4	365.1	.52	216.1
09:00	0.014564	23.4	22.7	.00	29.26	990.8	557.9	.80	218.2
10:00	0.013973	22.7	21.8	.00	29.25	990.7	738.7	1.06	210.0
11:00	0.013321	21.9	20.8	.00	29.25	990.5	878.3	1.26	204.8
12:00	0.013601	22.3	21.2	.00	29.24	990.1	978.6	1.40	225.7
13:00	0.013578	22.1	21.1	.00	29.23	989.9	1007.5	1.44	223.0
14:00	0.013111	21.3	20.4	.00	29.21	989.3	1025.0	1.47	201.5
15:00	0.01294	21.0	20.2	.00	29.20	988.7	563.5	.81	205.2
16:00	0.012439	20.3	19.4	.00	29.18	988.0	545.2	.78	206.1
17:00	0.013294	21.6	20.7	.00	29.17	987.7	294.0	.42	241.3
18:00	0.014982	24.5	23.2	.00	29.17	987.7	126.8	.18	275.3
19:00	0.015802	24.8	24.5	.00	29.17	987.8	196.1	.28	267.7
20:00	0.015938	25.3	24.7	.00	29.17	987.8	24.8	.04	259.5
21:00	0.016049	24.6	24.8	.00	29.17	987.9	-2.3	.00	289.9
22:00	0.016079	23.9	24.9	.00	29.19	988.6	-2.2	.00	308.2
23:00	0.015841	23.6	24.6	.00	29.21	989.2	-1.8	.00	280.3
Avg	0.014436	22.5	22.4	.00	29.21	989.1	308.8	.44	249.0
Max	0.016079	25.3	24.9	.00	29.26	990.8	1025.0	1.47	308.2
Hr. of Max	22	20	22	23	09	09	14	14	22
Min	0.012439	20.3	19.4	.00	29.17	987.7	-3.0	.00	20.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2015

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	52.8	271.5	284.4	283.1	21.3	25.9	32.4	.4	.3
01:00	76.9	212.5	280.0	211.3	59.3	48.4	28.2	.5	.4
02:00	290.7	218.3	272.5	220.0	36.4	51.3	11.0	.9	.2
03:00	143.9	191.8	268.7	196.7	51.0	47.1	27.7	.3	.2
04:00	251.6	236.1	240.4	236.8	49.8	23.8	12.0	1.7	2.0
05:00	255.0	221.5	245.4	223.8	54.2	38.0	5.9	.9	2.0
06:00	351.0	230.5	18.5	235.0	42.4	37.3	10.4	.3	.4
07:00	227.5	248.4	235.5	249.5	20.5	15.0	12.2	1.4	2.2
08:00	230.4	233.1	222.6	235.4	22.3	16.6	11.3	2.5	3.2
09:00	225.3	226.7	223.3	228.9	26.1	17.6	14.0	4.3	5.8
10:00	216.0	219.6	213.3	220.8	41.6	32.2	28.5	3.1	4.1
11:00	214.1	214.0	212.1	215.5	51.1	36.6	35.4	2.0	2.6
12:00	230.5	233.1	231.6	233.9	43.3	37.2	35.4	2.8	3.7
13:00	232.6	230.6	229.7	232.0	33.0	30.3	27.4	4.4	5.6
14:00	215.1	215.6	206.1	216.7	43.3	33.6	29.1	3.6	4.8
15:00	209.1	208.0	210.8	209.7	38.2	27.5	22.0	2.8	4.4
16:00	216.0	216.6	211.4	218.8	30.6	24.8	20.0	4.5	6.2
17:00	232.8	226.1	245.9	227.7	30.5	21.6	20.2	2.8	4.5
18:00	255.3	242.7	275.2	244.4	19.7	14.5	14.8	1.4	3.0
19:00	290.1	302.1	269.0	300.0	36.5	34.0	23.5	1.7	2.3
20:00	252.2	269.6	261.3	269.3	19.4	19.3	17.0	1.4	1.9
21:00	237.1	208.5	288.3	209.8	13.1	34.1	15.8	.9	.9
22:00	36.7	222.9	308.0	220.3	14.7	51.3	29.5	.3	.3
23:00	248.3	214.0	277.4	212.9	25.6	37.7	29.2	.8	.4
Avg	238.0	228.0	250.0	230.0	34.3	31.5	21.4	.0	.0
Max	351.0	302.1	308.0	300.0	59.3	51.3	35.4	4.5	6.2
Hr. of Max	06	19	22	19	01	22	12	16	16
Min	36.7	191.8	18.5	196.7	13.1	14.5	5.9	.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)

6/14/2015

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	.3	.5	.3	.4	.9	.7	1.9	-2.4	.03
01:00	1.2	.6	.4	1.2	.9	1.6	1.2	-.5	.02
02:00	2.0	1.0	.3	2.0	1.3	2.3	1.1	.0	.01
03:00	.5	.7	.5	.6	1.1	.9	1.4	-1.3	.02
04:00	2.3	1.7	2.2	2.3	2.1	2.6	1.6	.7	.03
05:00	4.0	1.1	2.0	4.1	1.4	4.4	2.4	.3	.02
06:00	1.7	.6	1.0	1.8	.9	2.1	1.4	.1	.02
07:00	2.7	1.6	2.2	2.8	2.0	3.1	-.6	.5	-.04
08:00	4.1	2.7	3.3	4.1	3.1	4.6	-.7	-1.8	-.13
09:00	6.6	4.8	6.1	6.8	5.5	7.4	-1.1	-.4	-.24
10:00	4.7	4.0	4.9	5.3	4.7	5.9	2.7	2.4	.09
11:00	2.9	2.7	3.2	3.5	3.3	4.2	-4.6	-3.6	-.23
12:00	4.4	3.7	4.6	5.2	4.3	5.8	-2.4	-4.9	-.19
13:00	6.3	5.2	6.4	7.0	5.9	7.7	-.7	2.7	-.28
14:00	5.5	4.6	5.6	6.2	5.3	6.9	.9	2.6	-.03
15:00	5.8	3.5	5.0	6.3	4.1	6.8	4.3	3.0	.11
16:00	7.1	5.2	6.7	7.5	5.8	8.2	-.4	-.6	-.20
17:00	5.5	3.5	5.0	6.0	4.0	6.5	.3	1.6	-.16
18:00	4.6	1.5	3.2	5.2	1.9	5.5	-2.2	-.4	-.10
19:00	3.8	2.0	2.5	4.0	2.5	4.2	1.6	-.2	-.09
20:00	2.3	1.6	2.1	2.4	1.8	2.7	-1.0	-.7	-.04
21:00	1.0	1.0	1.0	1.1	1.3	1.5	.2	-1.5	.01
22:00	.0	.3	.4	.1	.6	.4	.6	.5	.01
23:00	.3	.8	.7	.5	1.2	.9	2.4	-.4	.06
Avg	.0	2.3	2.9	3.6	2.7	4.0	.4	-.2	-.05
Max	7.1	5.2	6.7	7.5	5.9	8.2	4.3	3.0	.11
Hr. of Max	16	16	16	16	13	16	15	15	15
Min	.0	.3	.3	.1	.6	.4	-4.6	-4.9	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/14/2015

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	-.03	1.6	2.3	1.8	2.4	2.0	6.6	8.5
01:00	-.01	2.5	3.0	4.4	2.8	4.6	7.3	9.5
02:00	.00	2.3	1.8	4.4	2.7	4.3	6.2	5.1
03:00	-.02	2.5	2.1	2.7	2.7	2.3	7.2	7.5
04:00	.04	4.4	4.6	4.4	5.0	4.8	5.9	3.8
05:00	.01	4.1	5.5	7.8	4.6	8.1	9.4	2.3
06:00	.02	2.7	4.1	7.1	3.1	3.8	7.6	5.3
07:00	.01	3.2	4.4	6.0	4.0	5.2	10.3	3.7
08:00	-.17	7.8	7.6	8.0	8.1	8.4	16.5	8.2
09:00	-.15	11.4	13.3	12.6	11.8	13.7	16.3	11.9
10:00	.18	10.3	11.4	15.6	12.1	11.6	21.1	18.8
11:00	-.37	7.8	7.6	9.8	8.4	10.2	25.7	27.8
12:00	-.54	11.7	13.3	11.7	12.5	13.5	24.4	22.9
13:00	.16	12.6	13.7	13.5	13.5	15.1	18.7	17.7
14:00	.21	20.4	18.3	22.2	12.8	15.8	21.6	19.2
15:00	.17	12.1	14.0	17.4	12.7	15.2	20.7	16.0
16:00	-.17	13.7	15.6	17.6	13.5	16.7	19.0	14.9
17:00	.08	12.1	12.4	14.7	11.9	12.7	18.1	12.9
18:00	-.10	11.4	13.3	16.5	14.1	17.1	11.2	5.9
19:00	-.19	7.1	8.5	10.8	9.3	10.6	22.7	17.1
20:00	-.03	5.0	5.0	6.2	4.4	5.8	10.7	9.5
21:00	-.03	3.4	3.2	4.4	2.7	3.2	7.5	5.8
22:00	.01	1.6	2.1	1.4	2.0	1.9	7.6	8.2
23:00	.00	2.1	3.7	2.5	2.5	2.3	6.9	7.3
Avg	-.04	7.2	8.0	9.3	7.5	8.7	13.7	11.2
Max	.21	20.4	18.3	22.2	14.1	17.1	25.7	27.8
Hr. of Max	14	14	14	14	18	18	11	11
Min	-.54	1.6	1.8	1.4	2.0	1.9	5.9	2.3
Count	24	24	24	24	24	24	24	24
Total								