Date Printed: 09/07/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2015

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	20.5	21.4	21.6	22.0	.92	1.13	1.49	.22	.57
01:00	20.2	21.0	21.5	22.1	.79	1.31	1.85	.53	1.07
02:00	19.6	20.4	20.8	21.0	.72	1.12	1.40	.40	.67
03:00	19.2	20.0	20.2	20.8	.77	.97	1.53	.21	.77
04:00	19.0	20.0	20.3	20.7	1.06	1.31	1.72	.25	.65
05:00	19.1	19.9	19.9	20.1	.75	.81	1.01	.06	.26
06:00	19.2	19.6	19.6	19.7	.41	.38	.54	-.03	.13
07:00	19.1	19.4	19.4	19.5	.32	.34	.40	.02	.09
08:00	20.3	20.1	20.0	19.9	-.19	-.35	-.41	-.16	-.22
09:00	22.3	21.8	21.5	21.4	-.52	-.79	-.93	-.26	-.40
10:00	23.6	22.9	22.5	22.4	-.69	-1.03	-1.16	-.34	-.47
11:00	26.0	24.8	24.4	24.3	-1.28	-1.61	-1.72	-.33	-.44
12:00	27.7	26.4	26.1	25.9	-1.26	-1.58	-1.74	-.32	-.48
13:00	29.0	27.6	27.3	27.0	-1.36	-1.72	-1.93	-.36	-.57
14:00	29.7	28.5	28.2	28.1	-1.22	-1.54	-1.64	-.31	-.42
15:00	30.4	29.1	28.8	28.6	-1.30	-1.65	-1.78	-.35	-.48
16:00	29.6	29.0	28.8	28.7	-.53	-.75	-.85	-.23	-.33
17:00	29.9	29.1	28.9	28.8	-.79	-1.07	-1.16	-.28	-.37
18:00	28.1	27.5	27.3	27.3	-.57	-.80	-.84	-.23	-.27
19:00	26.2	26.2	26.3	26.5	.00	.13	.34	.14	.34
20:00	22.7	23.5	24.2	24.8	.75	1.44	2.09	.69	1.33
21:00	21.6	22.5	23.1	23.5	.99	1.56	1.93	.57	.94
22:00	20.8	21.6	22.1	22.5	.83	1.34	1.77	.51	.94
23:00	20.5	21.1	21.5	22.0	.59	1.04	1.53	.45	.94
Avg	23.5	23.5	23.5	23.7	-.03	.00	.14	.04	.18
Max	30.4	29.1	28.9	28.8	1.06	1.56	2.09	.69	1.33
Hr. of Max	15	17	17	17	04	21	20	20	20
Min	19.0	19.4	19.4	19.5	-1.36	-1.72	-1.93	-.36	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2015

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	18.5	19.0	19.1	26.9	90.2	88.4	15.7	16.3	0.013699
01:00	18.4	19.2	19.0	26.7	91.4	91.4	15.7	16.4	0.013651
02:00	18.0	19.0	18.6	26.6	92.4	94.1	15.4	16.3	0.013325
03:00	17.9	18.9	18.3	26.4	93.8	95.9	15.2	16.2	0.013174
04:00	17.6	18.9	18.1	26.2	94.0	95.3	15.0	16.2	0.012989
05:00	18.0	18.8	18.4	26.1	95.2	95.5	15.3	16.0	0.013267
06:00	18.2	18.7	18.5	25.9	95.8	96.6	15.5	16.0	0.013409
07:00	18.0	18.4	18.3	25.8	95.3	95.8	15.3	15.7	0.013249
08:00	18.2	18.0	18.9	25.6	89.6	89.7	15.5	15.3	0.013451
09:00	18.4	18.1	19.7	25.5	80.5	81.3	15.6	15.3	0.013635
10:00	18.7	18.4	20.3	25.4	75.8	77.6	15.8	15.5	0.013863
11:00	18.1	17.7	20.8	25.5	63.5	66.5	15.2	14.8	0.013451
12:00	17.3	16.9	20.8	25.6	54.9	57.4	14.4	14.0	0.012791
13:00	17.4	17.2	21.3	25.9	51.1	54.5	14.4	14.3	0.012888
14:00	17.2	17.1	21.4	26.3	48.5	51.3	14.2	14.1	0.012773
15:00	17.0	17.0	21.5	26.6	46.0	49.4	14.0	14.0	0.012601
16:00	17.3	17.1	21.4	26.8	49.2	50.0	14.3	14.2	0.012826
17:00	17.9	17.9	21.9	27.0	49.9	52.3	14.8	14.9	0.013307
18:00	17.7	17.7	21.2	27.2	54.9	56.7	14.7	14.7	0.013143
19:00	18.9	18.6	21.3	27.2	66.4	64.8	15.9	15.6	0.014166
20:00	19.2	19.4	20.4	27.3	82.3	79.6	16.3	16.5	0.014375
21:00	18.8	19.4	19.7	27.2	86.3	84.6	16.0	16.6	0.014015
22:00	18.5	19.5	19.2	27.1	88.7	90.3	15.7	16.8	0.013716
23:00	18.6	19.4	19.2	26.9	90.7	92.0	15.8	16.6	0.013791
Avg	18.1	18.3	19.9	26.4	76.1	77.1	15.2	15.5	0.013398
Max	19.2	19.5	21.9	27.3	95.8	96.6	16.3	16.8	0.014375
Hr. of Max	20	22	17	20	06	06	20	22	20
Min	17.0	16.9	18.1	25.4	46.0	49.4	14.0	14.0	0.012601
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2015

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	0.01421	21.3	22.1	.00	29.21	989.2	-2.5	.00	348.8
01:00	0.014318	21.2	22.3	.00	29.21	989.1	-2.5	.00	278.8
02:00	0.014188	20.7	22.1	.00	29.21	989.2	-1.3	.00	275.7
03:00	0.01412	20.5	22.0	.00	29.21	989.2	-1.4	.00	305.1
04:00	0.01406	20.2	21.9	.00	29.22	989.4	-3.4	.00	7.9
05:00	0.013945	20.7	21.7	.00	29.22	989.7	-3.7	-.01	45.5
06:00	0.013866	20.9	21.6	.00	29.23	989.9	-3.4	.00	53.9
07:00	0.013576	20.7	21.2	.00	29.25	990.5	27.1	.04	41.5
08:00	0.013298	21.0	20.7	.00	29.26	991.0	167.3	.24	69.7
09:00	0.013339	21.3	20.8	.00	29.27	991.2	319.5	.46	80.4
10:00	0.013609	21.6	21.2	.00	29.27	991.3	435.9	.62	78.2
11:00	0.013064	21.0	20.4	.00	29.27	991.4	720.7	1.03	125.6
12:00	0.01242	20.0	19.4	.00	29.26	990.9	836.9	1.20	119.7
13:00	0.012686	20.1	19.8	.00	29.25	990.4	801.6	1.15	84.8
14:00	0.012608	19.9	19.7	.00	29.22	989.5	741.3	1.06	311.2
15:00	0.012562	19.6	19.6	.00	29.19	988.7	718.3	1.03	317.1
16:00	0.012682	20.0	19.7	.00	29.18	988.1	394.4	.57	32.7
17:00	0.013331	20.7	20.7	.00	29.17	987.7	419.0	.60	333.8
18:00	0.013135	20.4	20.4	.00	29.17	987.9	238.5	.34	65.5
19:00	0.01385	22.0	21.5	.00	29.17	987.8	72.0	.10	281.3
20:00	0.014538	22.3	22.6	.00	29.16	987.6	-3.1	.00	322.9
21:00	0.014589	21.8	22.6	.00	29.18	988.2	-1.5	.00	328.9
22:00	0.014685	21.3	22.8	.00	29.19	988.6	-3.1	.00	267.5
23:00	0.014503	21.4	22.5	.00	29.19	988.7	-1.6	.00	278.9
Avg	0.013633	20.9	21.2	.00	29.22	989.4	244.4	.35	2.0
Max	0.014685	22.3	22.8	.00	29.27	991.4	836.9	1.20	348.8
Hr. of Max	22	20	22	23	11	11	12	12	00
Min	0.01242	19.6	19.4	.00	29.16	987.6	-3.7	-.01	7.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2015

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	87.1	93.4	350.6	91.7	46.5	41.9	34.0	.6	.8
01:00	100.3	153.9	277.0	183.3	38.8	53.6	44.1	.7	.2
02:00	110.5	43.7	274.4	65.4	35.4	27.3	40.9	.9	.1
03:00	158.9	211.1	294.6	195.0	30.1	16.5	34.7	.5	.4
04:00	71.3	55.3	13.3	52.5	42.5	15.3	14.5	.6	1.7
05:00	63.2	69.9	48.3	66.5	13.1	8.1	6.4	1.6	2.9
06:00	59.9	61.1	55.1	57.4	15.4	12.1	7.0	1.7	3.3
07:00	57.0	63.4	40.8	59.6	19.7	11.6	8.8	2.1	3.6
08:00	72.6	63.2	72.7	59.7	22.4	14.9	12.8	2.3	3.3
09:00	71.3	64.3	81.8	60.8	29.2	21.9	17.2	2.7	3.2
10:00	73.4	63.1	81.7 +	61.2	38.2	31.6	29.9	2.5	2.9
11:00	127.8	127.2	128.6	124.2	23.3	20.2	29.8	3.0	3.0
12:00	114.1	98.3	123.5	92.9	73.0	65.6	74.6	1.1	1.3
13:00	82.2	69.9	85.6	68.3	44.4	33.4	36.1	2.6	3.0
14:00	341.9	342.6	301.7	339.1	42.1	40.9	39.6	1.3	1.7
15:00	343.1	347.7	314.6	342.4	52.1	47.3	42.0	1.0	2.1
16:00	39.6	35.3	38.1	30.5	55.6	41.7	37.1	1.6	2.4
17:00	359.4	2.5	334.5	357.4	28.1	20.4	17.2	2.3	3.6
18:00	86.8	100.6	71.3	98.7	59.6	61.4	63.7	1.7	1.9
19:00	89.1	125.2	269.7	116.5	50.0	57.3	40.9	.1	1.2
20:00	72.9	116.1	323.8	101.9	21.8	42.9	20.4	.9	.2
21:00	71.7	65.2	330.7	63.6	56.1	39.6	18.0	.5	.9
22:00	137.8	153.4	262.7	153.0	18.2	29.0	16.8	1.3	1.2
23:00	242.0	210.8	259.9	208.1	44.4	51.5	28.0	1.3	1.6
Avg	77.0	78.0	2.0	76.0	37.5	33.6	29.8	.0	.0
Max	359.4	347.7	350.6	357.4	73.0	65.6	74.6	3.0	3.6
Hr. of Max	17	15	00	17	12	12	12	11	17
Min	39.6	2.5	13.3	30.5	13.1	8.1	6.4	.1	.1
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)

9/6/2015

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	1.0	1.1	1.6	1.2	1.9	2.3	1.1	.05
01:00	.3	1.0	.6	.8	1.3	1.1	1.9	.6	.04
02:00	.6	1.2	1.1	1.2	1.5	1.4	1.7	.4	.01
03:00	.4	1.3	1.6	1.3	1.5	1.6	-.5	.9	-.03
04:00	2.2	1.0	1.8	2.3	1.2	2.6	2.0	2.6	.05
05:00	3.3	1.6	2.9	3.4	1.7	3.6	-2.4	.5	-.10
06:00	4.9	1.9	3.5	4.9	2.0	5.2	-4.4	.1	-.19
07:00	4.9	2.2	3.8	5.0	2.3	5.3	-5.6	-.4	-.30
08:00	3.9	2.6	3.5	4.0	2.8	4.2	-1.6	1.5	-.13
09:00	3.9	3.1	3.5	4.1	3.6	4.4	2.3	1.9	.06
10:00	3.0	2.8	3.2	3.3	3.3	3.8	-.6	7.3	-.06
11:00	2.7	3.5	3.4	3.3	4.1	3.9	-1.5	-6.1	-.07
12:00	1.2	2.3	2.2	2.1	2.9	2.8	-5.1	-10.7	-.24
13:00	3.1	3.2	3.5	3.7	3.9	4.2	-.7	3.8	-.01
14:00	1.9	2.7	3.0	3.0	3.1	3.6	.0	1.1	-.14
15:00	2.6	2.7	3.4	3.5	3.2	4.2	-3.1	-.8	-.22
16:00	2.5	2.5	3.2	3.3	2.9	3.8	-3.7	-.8	-.18
17:00	4.1	2.6	3.9	4.4	3.1	4.8	-2.9	-1.1	-.32
18:00	2.2	2.9	3.1	3.4	3.3	3.9	.7	.0	-.01
19:00	1.7	1.9	2.4	3.0	2.4	3.4	2.6	-.5	.09
20:00	1.1	1.2	1.4	1.8	1.4	2.0	.2	.6	.00
21:00	1.6	1.0	1.0	1.7	1.3	1.9	.9	1.9	.02
22:00	.8	1.4	1.3	1.3	1.6	1.6	.0	-.4	-.01
23:00	2.4	1.5	2.3	2.8	1.8	3.1	1.5	.2	-.01
Avg	.0	2.0	2.5	2.9	2.4	3.3	-.7	.2	-.07
Max	4.9	3.5	3.9	5.0	4.1	5.3	2.6	7.3	.09
Hr. of Max	07	11	17	07	11	07	19	10	19
Min	.3	1.0	.6	.8	1.2	1.1	-5.6	-10.7	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2015

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	.07	2.7	3.0	3.4	2.7	3.8	10.8	8.5
01:00	.02	2.7	2.1	2.5	3.1	2.7	7.3	9.2
02:00	.02	2.7	3.0	3.4	3.3	3.7	7.1	8.2
03:00	.06	3.4	3.9	3.7	3.7	3.8	5.9	8.7
04:00	.12	4.4	5.0	6.9	3.1	5.4	10.4	6.4
05:00	.04	3.7	5.3	6.2	4.6	4.9	9.0	4.1
06:00	.00	4.1	8.7	8.7	4.9	9.0	11.1	4.5
07:00	-.06	4.8	6.6	8.2	5.4	8.6	13.4	5.5
08:00	.03	6.9	8.2	11.9	8.1	9.0	18.7	12.8
09:00	.06	7.3	7.3	8.2	8.1	8.5	19.4	17.5
10:00	.33	7.8	11.2	9.8	8.9	8.4	21.8	23.6
11:00	-.32	8.0	11.2	10.5	8.5	8.7	21.3	25.9
12:00	-.61	6.4	6.9	6.4	8.5	7.4	29.8	36.3
13:00	.29	8.2	7.8	9.4	8.8	9.3	24.5	24.2
14:00	-.02	6.6	8.9	8.2	8.1	9.1	27.8	30.5
15:00	-.32	8.0	9.8	8.9	9.0	9.7	26.6	27.6
16:00	-.17	8.5	15.1	12.8	10.5	9.3	24.5	24.0
17:00	-.13	8.5	9.4	11.2	10.5	11.4	22.3	13.2
18:00	-.16	16.3	20.8	19.5	18.7	20.6	24.1	24.0
19:00	.11	8.7	10.5	11.4	9.1	11.7	19.5	17.9
20:00	.03	3.4	3.4	4.4	3.9	3.7	9.4	6.8
21:00	.06	3.9	2.7	4.4	4.5	3.2	9.2	5.9
22:00	-.01	4.1	5.3	4.4	4.5	4.3	4.9	5.2
23:00	-.02	6.4	7.8	6.6	5.4	7.2	11.2	12.4
Avg	-.02	6.1	7.7	8.0	6.9	7.6	16.3	15.1
Max	.33	16.3	20.8	19.5	18.7	20.6	29.8	36.3
Hr. of Max	10	18	18	18	18	18	12	12
Min	-.61	2.7	2.1	2.5	2.7	2.7	4.9	4.1
Count	24	24	24	24	24	24	24	24
Total								