Date Printed: 01/30/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/29/2015

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	-2.8	-1.2	-.5	.6	1.62	2.31	3.39	.69	1.78
01:00	-3.0	-1.6	-1.1	-.2	1.38	1.92	2.81	.54	1.43
02:00	-3.0	-1.7	-1.2	-.3	1.33	1.78	2.71	.45	1.38
03:00	-2.7	-1.7	-1.1	-.3	1.07	1.62	2.40	.55	1.33
04:00	-2.9	-2.0	-1.4	-.6	.94	1.52	2.33	.57	1.38
05:00	-3.2	-2.3	-1.6	-.8	.90	1.52	2.32	.62	1.42
06:00	-2.9	-2.0	-1.5	.7	.98	1.43	3.59	.44	2.61
07:00	-3.0	-1.6	-.4	1.4	1.38	2.54	4.37	1.17	3.00
08:00	-2.1	-.4	.8	1.3	1.65	2.81	3.32	1.16	1.67
09:00	.7	.8	.9	1.2	.13	.29	.55	.16	.41
10:00	1.4	1.5	1.5	1.7	.09	.10	.31	.01	.22
11:00	2.8	2.6	2.5	2.5	-.25	-.35	-.32	-.11	-.07
12:00	7.5	6.8	6.5	6.3	-.75	-1.06	-1.21	-.31	-.46
13:00	11.4	10.7	10.5	10.3	-.68	-.96	-1.11	-.28	-.43
14:00	12.7	12.1	11.8	11.6	-.62	-.92	-1.06	-.29	-.44
15:00	13.3	12.9	12.6	12.4	-.47	-.79	-.93	-.31	-.46
16:00	13.2	13.1	12.9	12.8	-.12	-.35	-.45	-.23	-.34
17:00	12.4	12.7	12.5	12.5	.23	.10	.09	-.13	-.14
18:00	12.1	12.4	12.3	12.3	.29	.19	.21	-.10	-.08
19:00	11.9	12.3	12.2	12.2	.30	.22	.27	-.09	-.04
20:00	11.2	11.3	11.1	11.0	.12	-.05	-.13	-.16	-.25
21:00	8.6	8.6	8.4	8.3	-.01	-.20	-.31	-.19	-.30
22:00	6.3	6.3	6.1	5.9	-.04	-.24	-.36	-.20	-.31
23:00	5.1	5.0	4.8	4.7	-.06	-.26	-.37	-.20	-.31
Avg	4.4	4.8	4.9	5.3	.39	.55	.93	.16	.54
Max	13.3	13.1	12.9	12.8	1.65	2.81	4.37	1.17	3.00
Hr. of Max	15	16	16	16	08	08	07	07	07
Min	-3.2	-2.3	-1.6	-.8	-.75	-1.06	-1.21	-.31	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/29/2015

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	-5.9	-7.0	-4.9	4.1	79.6	65.3	3.2	2.9	0.002475
01:00	-5.7	-6.5	-4.8	4.0	81.8	69.8	3.2	3.0	0.002511
02:00	-5.5	-6.4	-4.7	3.9	83.0	70.7	3.2	3.0	0.002547
03:00	-5.4	-5.8	-4.5	3.8	82.4	74.0	3.3	3.2	0.002575
04:00	-5.4	-6.0	-4.6	3.8	83.5	74.3	3.3	3.1	0.002578
05:00	-5.3	-5.7	-4.6	3.7	85.6	77.6	3.3	3.2	0.002596
06:00	-5.1	-5.6	-4.4	3.6	85.6	76.4	3.4	3.2	0.002642
07:00	-5.0	-5.8	-4.3	3.6	86.4	73.5	3.4	3.2	0.002658
08:00	-4.3	-5.7	-3.6	3.5	84.9	67.9	3.5	3.2	0.002798
09:00	-3.3	-4.6	-2.0	3.4	75.1	67.8	3.8	3.5	0.003016
10:00	-.7	-2.0	.0	3.4	86.1	77.9	4.6	4.2	0.003661
11:00	.1	-.8	1.0	3.5	83.0	79.1	4.8	4.5	0.003892
12:00	1.6	.5	3.6	3.5	66.8	65.1	5.3	4.9	0.004356
13:00	.4	-.3	4.1	3.7	47.4	47.2	4.8	4.6	0.004031
14:00	.1	-.6	4.3	4.1	42.4	42.1	4.7	4.5	0.003936
15:00	.2	-.3	4.6	4.6	41.3	41.0	4.8	4.6	0.003994
16:00	.5	.1	4.7	4.9	42.2	41.3	4.8	4.7	0.004055
17:00	.9	.5	4.8	5.2	46.0	44.0	5.0	4.9	0.004192
18:00	1.1	.8	4.8	5.4	47.7	45.6	5.1	4.9	0.004246
19:00	1.4	1.1	4.9	5.5	49.1	47.0	5.2	5.1	0.004335
20:00	3.2	3.0	5.8	5.6	58.7	57.6	5.9	5.8	0.004894
21:00	2.4	2.3	4.5	5.7	66.0	65.3	5.6	5.6	0.004635
22:00	1.0	.8	2.8	5.8	69.4	68.8	5.1	5.0	0.004165
23:00	-.1	-.2	1.7	5.8	69.9	69.5	4.8	4.7	0.003852
Avg	-1.6	-2.3	.4	4.3	68.5	62.9	4.3	4.1	0.003527
Max	3.2	3.0	5.8	5.8	86.4	79.1	5.9	5.8	0.004894
Hr. of Max	20	20	20	23	07	11	20	20	20
Min	-5.9	-7.0	-4.9	3.4	41.3	41.0	3.2	2.9	0.002475
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/29/2015

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	0.002287	3.9	3.6	.00	29.33	993.3	-2.6	.00	242.7
01:00	0.002372	4.0	3.8	.00	29.32	992.9	-1.8	.00	78.0
02:00	0.002394	4.0	3.8	.00	29.32	993.0	-2.3	.00	270.2
03:00	0.002504	4.1	4.0	.00	29.31	992.5	-.8	.00	244.1
04:00	0.002462	4.1	3.9	.00	29.29	992.0	-1.4	.00	241.9
05:00	0.002513	4.1	4.0	.00	29.29	991.8	-2.3	.00	236.8
06:00	0.002534	4.2	4.0	.00	29.28	991.7	-1.1	.00	271.0
07:00	0.002505	4.2	4.0	.00	29.29	991.9	.7	.00	261.0
08:00	0.002524	4.4	4.0	.00	29.29	991.8	53.0	.08	243.5
09:00	0.002752	4.8	4.4	.00	29.28	991.6	82.9	.12	198.8
10:00	0.003334	5.8	5.3	.01	29.27	991.1	66.0	.09	179.9
11:00	0.003645	6.2	5.8	.00	29.24	990.3	252.9	.36	254.6
12:00	0.004034	6.9	6.4	.00	29.20	988.8	641.7	.92	232.5
13:00	0.003834	6.4	6.0	.00	29.15	987.1	569.8	.82	229.7
14:00	0.003746	6.2	5.9	.00	29.12	986.0	527.6	.76	219.7
15:00	0.003845	6.3	6.1	.00	29.10	985.6	389.1	.56	220.7
16:00	0.003937	6.4	6.2	.00	29.11	985.8	201.7	.29	214.7
17:00	0.004072	6.6	6.4	.00	29.12	986.3	22.2	.03	205.8
18:00	0.004137	6.7	6.5	.00	29.13	986.4	-1.9	.00	212.0
19:00	0.004232	6.8	6.7	.00	29.14	986.7	-2.1	.00	231.4
20:00	0.004834	7.7	7.6	.00	29.17	987.8	-2.1	.00	269.1
21:00	0.004588	7.3	7.2	.00	29.21	989.3	-2.1	.00	275.0
22:00	0.004115	6.6	6.5	.00	29.25	990.7	-2.0	.00	276.9
23:00	0.003812	6.1	6.0	.00	29.28	991.6	-2.1	.00	285.4
Avg	0.003376	5.6	5.3	.00	29.23	989.8	116.0	.17	239.0
Max	0.004834	7.7	7.6	.01	29.33	993.3	641.7	.92	285.4
Hr. of Max	20	20	20	10	00	00	12	12	23
Min	0.002287	3.9	3.6	.00	29.10	985.6	-2.6	.00	78.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/29/2015

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	186.2	56.3	244.4	55.1	57.0	66.1	46.1	.5	.1
01:00	46.9	59.7	84.8	56.7	45.3	27.3	12.7	.3	1.0
02:00	115.2	56.9	244.2	56.1	47.8	34.9	13.0	.3	.1
03:00	351.4	27.5	259.3	23.6	55.1	33.6	18.6	.3	.4
04:00	228.2	227.1	245.9	225.2	15.6	17.2	32.2	1.7	1.7
05:00	243.1	236.3	240.4	238.7	22.0	12.5	19.6	1.7	2.9
06:00	231.8	250.0	270.1	251.4	45.7	44.6	15.8	.6	.8
07:00	168.5	255.0	260.4	256.2	28.6	42.3	16.9	.4	.4
08:00	272.0	271.6	246.2	272.7	20.0	22.6	15.2	1.6	2.2
09:00	231.4	258.3	203.2	260.5	28.7	19.8	13.3	1.7	2.7
10:00	246.5	272.6	176.7	272.9	85.2	70.6	33.2	.3	1.2
11:00	281.4	288.0	256.6	287.1	61.4	52.2	40.7	1.6	2.6
12:00	242.1	241.8	239.2	243.5	29.5	23.8	17.9	5.0	6.5
13:00	233.9	231.2	236.6	233.9	22.5	17.7	14.1	9.8	13.4
14:00	225.3	223.8	226.6	226.8	21.3	17.4	14.2	10.8	14.4
15:00	225.1	223.4	227.4	226.4	21.4	16.9	12.9	9.8	13.2
16:00	219.4	217.5	220.9	220.3	20.5	16.5	13.0	7.6	10.7
17:00	212.5	210.1	212.2	212.8	18.5	14.4	10.6	5.8	8.1
18:00	216.8	212.4	218.0	215.1	18.9	14.7	11.0	5.3	7.7
19:00	234.4	229.6	238.5	232.2	23.1	19.3	17.7	4.5	6.9
20:00	277.3	278.8	274.9	279.2	24.3	19.2	17.4	6.9	9.6
21:00	289.5	293.2	280.5	292.6	29.3	24.6	22.0	7.2	9.9
22:00	286.4	288.4	282.8	288.2	24.1	20.0	18.0	7.8	10.2
23:00	296.4	298.5	290.8	297.6	31.1	24.9	20.7	6.7	9.4
Avg	241.0	255.0	242.0	257.0	33.2	28.0	19.5	.0	.0
Max	351.4	298.5	290.8	297.6	85.2	70.6	46.1	10.8	14.4
Hr. of Max	03	23	23	23	10	10	00	14	14
Min	46.9	27.5	84.8	23.6	15.6	12.5	10.6	.3	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/29/2015

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	.8	.7	.5	1.2	1.2	1.6	.2	.4	.01
01:00	2.0	.3	1.0	2.2	.8	2.7	2.1	.9	.02
02:00	.9	.5	.1	.9	.9	1.4	2.0	-.9	.03
03:00	1.4	.9	.8	1.6	1.4	2.0	.5	1.1	.00
04:00	.7	1.8	1.7	.9	2.3	1.3	-.2	1.5	-.03
05:00	2.6	1.9	2.9	2.7	2.4	3.2	-.1	1.4	-.03
06:00	3.1	.9	.9	3.2	1.4	3.7	-.3	1.9	-.02
07:00	2.9	.5	.7	3.2	1.1	3.5	.4	1.8	.02
08:00	4.2	1.7	2.4	4.4	2.3	4.6	.0	1.7	-.02
09:00	4.1	1.9	2.8	4.2	2.3	4.6	.0	2.5	-.01
10:00	3.4	1.5	2.0	3.9	2.0	4.2	3.0	3.2	.06
11:00	4.0	2.6	3.4	4.6	3.1	4.9	-.7	1.2	-.14
12:00	7.9	5.4	7.0	8.4	6.2	9.1	4.0	1.8	.08
13:00	15.9	10.5	14.0	16.3	11.6	17.3	.1	.9	-.38
14:00	16.9	11.4	15.0	17.3	12.4	18.4	-.2	1.5	-.41
15:00	16.1	10.4	13.8	16.5	11.2	17.5	1.6	1.2	-.06
16:00	13.2	8.1	11.1	13.6	8.9	14.4	1.1	1.5	-.11
17:00	10.3	6.1	8.3	10.5	6.6	11.2	1.0	.7	-.04
18:00	10.0	5.7	8.0	10.3	6.2	10.9	.5	1.0	-.10
19:00	9.3	5.0	7.6	10.2	5.6	10.8	-1.1	-.5	-.26
20:00	11.7	7.6	10.2	12.3	7.9	12.6	-2.0	-1.2	-.55
21:00	12.0	8.1	10.8	12.9	8.8	13.3	-2.0	-.4	-.71
22:00	12.2	8.4	10.8	12.7	8.7	13.0	-2.2	-.2	-.75
23:00	11.9	7.5	10.2	12.7	8.1	13.0	-1.0	-1.4	-.54
Avg	.0	4.6	6.1	7.8	5.1	8.3	.3	.9	-.16
Max	16.9	11.4	15.0	17.3	12.4	18.4	4.0	3.2	.08
Hr. of Max	14	14	14	14	14	14	12	10	12
Min	.7	.3	.1	.9	.8	1.3	-2.2	-1.4	-.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/29/2015

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	.01	2.7	2.3	5.3	3.2	4.7	5.9	9.7
01:00	.05	3.9	3.7	5.0	3.2	3.9	9.8	5.8
02:00	-.02	2.3	1.1	3.4	2.7	2.8	5.8	8.3
03:00	.04	2.7	3.0	3.2	3.1	3.6	7.1	5.2
04:00	.05	4.4	4.6	3.2	4.3	3.7	5.9	10.3
05:00	.08	3.9	5.5	6.2	4.7	6.6	7.5	9.5
06:00	.11	3.7	6.6	8.9	3.5	9.0	7.8	7.3
07:00	.11	1.8	3.7	9.4	2.4	8.7	9.7	8.1
08:00	.07	5.0	8.0	11.0	5.7	12.5	8.8	8.1
09:00	.16	6.4	7.8	9.8	5.8	11.1	11.4	9.6
10:00	.16	6.2	10.8	12.4	6.6	13.5	19.3	14.7
11:00	-.14	6.9	9.6	11.2	8.9	11.7	19.0	17.0
12:00	.06	15.3	15.8	19.0	15.6	19.1	20.9	14.2
13:00	-.04	25.6	31.1	31.6	28.3	34.5	15.5	10.4
14:00	.15	31.1	33.0	47.2	28.7	32.7	14.6	10.3
15:00	.08	22.9	32.1	32.1	24.7	33.3	15.2	9.5
16:00	.25	22.4	38.5	35.3	23.5	28.9	15.8	8.9
17:00	.02	14.9	19.5	21.3	17.1	19.7	14.4	8.7
18:00	.06	14.2	15.8	27.2	14.5	21.4	13.9	8.8
19:00	-.18	13.5	16.3	19.7	13.8	20.1	13.8	7.5
20:00	-.56	21.3	23.4	24.0	21.4	24.8	17.1	11.6
21:00	-.58	22.4	24.7	28.4	23.6	31.2	18.9	15.9
22:00	-.61	23.1	24.3	25.0	23.6	26.7	17.5	14.6
23:00	-.78	27.5	25.9	28.4	23.0	30.1	20.5	15.4
Avg	-.06	12.7	15.3	17.8	13.0	17.3	13.2	10.4
Max	.25	31.1	38.5	47.2	28.7	34.5	20.9	17.0
Hr. of Max	16	14	16	14	14	13	12	11
Min	-.78	1.8	1.1	3.2	2.4	2.8	5.8	5.2
Count	24	24	24	24	24	24	24	24
Total								