Date Printed: 07/16/2015 07:48

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2015

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	21.5	21.5	21.6	.06	.04	.14	-.02	.08
01:00	21.2	21.2	21.2	21.2	.01	-.06	.00	-.07	.00
02:00	21.0	21.0	21.0	21.1	.03	.00	.11	-.03	.08
03:00	21.2	21.2	21.2	21.3	-.04	-.07	.07	-.04	.10
04:00	21.3	21.2	21.2	21.3	-.06	-.16	-.02	-.09	.04
05:00	21.1	21.1	21.1	21.3	-.01	-.06	.15	-.05	.16
06:00	21.2	21.1	21.0	21.1	-.11	-.22	-.17	-.11	-.06
07:00	21.5	21.4	21.3	21.3	-.11	-.24	-.26	-.13	-.15
08:00	21.9	21.7	21.5	21.7	-.19	-.37	-.19	-.17	.01
09:00	24.0	23.4	23.1	23.0	-.62	-.91	-.97	-.29	-.36
10:00	25.5 P	24.8 P	24.4 P	24.4 P	P	P	P	P	P
11:00	26.9	26.3	25.9	25.8	-.60	-.94	-1.07	-.33	-.47
12:00	27.1	26.6	26.4	26.3	-.53	-.78	-.88	-.24	-.34
13:00	27.7	27.1	26.8	26.7	-.60	-.82	-.95	-.22	-.35
14:00	28.6	27.9	27.6	27.4	-.63	-.96	-1.11	-.33	-.48
15:00	29.0	28.3	28.0	27.9	-.69	-.94	-1.06	-.26	-.37
16:00	29.0	28.5	28.2	28.0	-.51	-.80	-.92	-.29	-.42
17:00	28.6	28.3	28.1	28.1	-.31	-.50	-.59	-.19	-.27
18:00	27.7	27.6	27.4	27.3	-.17	-.35	-.42	-.18	-.25
19:00	26.7	26.7	26.5	26.5	-.08	-.21	-.25	-.13	-.17
20:00	24.6	25.2	25.3	25.4	.62	.71	.79	.09	.17
21:00	22.7	23.8	24.0	24.2	1.17	1.33	1.53	.17	.36
22:00	21.3	22.3	23.0	23.4	1.07	1.76	2.11	.69	1.04
23:00	20.1	20.9	21.7	22.4	.79	1.54	2.24	.75	1.45
Avg	24.2	24.1	24.1	24.1	-.07	-.13	-.07	-.06	-.01
Max	29.0	28.5	28.2	28.1	1.17	1.76	2.24	.75	1.45
Hr. of Max	16	16	16	17	21	22	23	23	23
Min	20.1	20.9	21.0	21.1	-.69	-.96	-1.11	-.33	-.48
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2015

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	20.3	20.5	20.7	24.7	95.7	96.6	17.6	17.8	0.015533
01:00	20.2	20.4	20.5	23.4	96.0	97.6	17.4	17.7	0.015429
02:00	20.0	20.3	20.3	23.3	96.3	98.2	17.3	17.6	0.015267
03:00	20.2	20.5	20.6	23.3	96.5	98.5	17.5	17.8	0.015502
04:00	20.3	20.6	20.6	23.3	96.4	98.5	17.6	17.9	0.015568
05:00	20.1	20.5	20.5	23.3	96.5	98.5	17.4	17.8	0.015395
06:00	20.2	20.4	20.6	23.4	96.4	98.3	17.5	17.7	0.015477
07:00	20.4	20.5	20.8	23.4	95.8	97.2	17.7	17.8	0.015649
08:00	20.7	20.7	21.1	23.4	95.1	96.3	17.9	18.0	0.01588
09:00	21.1	20.5	22.1	23.5	86.4	86.1	18.4	17.7	0.01637
10:00	P	P	P	23.7 P	77.2 P	77.6 P	P	P	P
11:00	20.5	19.9	22.7	24.1	70.3	70.1	17.6	17.0	0.015815
12:00	20.1	19.7	22.5	24.7	67.5	67.8	17.1	16.7	0.015427
13:00	19.9	19.5	22.5	25.3	64.4	65.2	16.8	16.5	0.015169
14:00	19.0	18.6	22.2	25.8	58.1	58.7	16.0	15.6	0.014413
15:00	18.7	18.2	22.1	26.1	55.5	56.1	15.6	15.2	0.014112
16:00	18.7	18.4	22.1	26.4	55.6	55.9	15.6	15.3	0.014135
17:00	18.6	18.1	21.9	26.6	56.2	55.3	15.5	15.0	0.013996
18:00	18.9	18.8	21.9	26.8	60.5	60.5	15.9	15.7	0.014297
19:00	18.9	18.7	21.5	26.9	63.7	63.5	15.8	15.7	0.01421
20:00	18.2	18.0	20.4	26.9	69.6	66.0	15.3	15.1	0.013644
21:00	18.6	18.5	20.0	26.7	80.0	73.8	15.8	15.6	0.013952
22:00	18.6	18.5	19.5	26.5	86.8	81.1	15.8	15.7	0.013874
23:00	18.4	18.7	18.9	26.3	91.6	89.1	15.6	15.9	0.013663
Avg	19.6	19.5	21.1	24.9	79.5	79.4	16.7	16.6	0.014903
Max	21.1	20.7	22.7	26.9	96.5	98.5	18.4	18.0	0.01637
Hr. of Max	09	08	11	20	05	05	09	08	09
Min	18.2	18.0	18.9	23.3	55.5	55.3	15.3	15.0	0.013644
Count	23	23	23	24	24	24	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2015

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	0.015742	23.9	24.2	.99	28.93	979.7	-2.3	.00	.0
01:00	0.015693	23.7	24.1	.01	28.91	979.0	-2.5	.00	233.2
02:00	0.015595	23.5	23.9	.00	28.91	979.0	-2.3	.00	240.5
03:00	0.015793	23.8	24.2	.00	28.91	978.9	-2.1	.00	229.8
04:00	0.015845	23.9	24.3	.00	28.91	979.1	-2.2	.00	224.2
05:00	0.015706	23.7	24.1	.00	28.92	979.4	-2.2	.00	230.9
06:00	0.015675	23.8	24.1	.00	28.94	979.9	1.5	.00	243.3
07:00	0.015759	24.1	24.2	.00	28.95	980.4	64.4	.09	221.1
08:00	0.015893	24.4	24.4	.00	28.96	980.8	105.6	.15	233.2
09:00	0.015722	25.2	24.2	.00	28.98	981.3	584.6	.84	244.8
10:00	P	P	P	.00 P	28.98 P	981.5 P	716.9 P	1.03 P	266.9 P
11:00	0.015208	24.3	23.4	.00	28.99	981.6	739.0	1.06	258.6
12:00	0.015012	23.8	23.1	.00	28.99	981.6	545.9	.78	301.3
13:00	0.014821	23.4	22.8	.00	28.98	981.4	641.3	.92	347.6
14:00	0.014043	22.2	21.7	.00	28.97	981.2	756.4	1.08	23.0
15:00	0.013703	21.8	21.1	.00	28.97	981.2	741.4	1.06	315.8
16:00	0.013803	21.8	21.3	.00	28.98	981.4	468.6	.67	21.4
17:00	0.013545	21.6	20.9	.00	28.99	981.6	396.9	.57	25.4
18:00	0.014157	22.1	21.8	.00	28.99	981.8	257.2	.37	51.0
19:00	0.014109	21.9	21.8	.00	28.98	981.6	199.4	.29	44.6
20:00	0.013453	21.1	20.8	.00	28.99	981.9	14.2	.02	41.5
21:00	0.013813	21.6	21.4	.00	29.02	982.7	-2.5	.00	42.8
22:00	0.013838	21.5	21.4	.00	29.05	983.9	-1.7	.00	347.5
23:00	0.013947	21.2	21.6	.00	29.08	984.7	-2.5	.00	327.1
Avg	0.014821	23.0	22.8	.04	28.97	981.1	258.9	.37	303.0
Max	0.015893	25.2	24.4	.99	29.08	984.7	756.4	1.08	347.6
Hr. of Max	08	09	08	00	23	23	14	14	13
Min	0.013453	21.1	20.8	.00	28.91	978.9	-2.5	.00	.0
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2015

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	18.7	27.0	3.9	21.1	61.5	49.7	40.9	2.2	4.7
01:00	228.4	211.4	237.9	213.3	25.4	17.5	14.9	2.7	4.4
02:00	244.3	236.9	246.0	238.6	15.8	7.5	5.4	2.6	5.3
03:00	234.1	234.7	234.4	236.5	24.4	12.0	7.9	2.2	4.6
04:00	232.5	236.6	228.5	238.1	18.1	9.0	6.8	2.5	5.0
05:00	237.2	239.7	235.7	241.6	20.1	12.0	6.4	2.4	4.6
06:00	233.8	225.6	246.6	227.8	26.9	13.6	7.8	2.1	3.3
07:00	231.0	232.4	225.5	234.3	19.4	12.8	9.1	2.3	3.6
08:00	240.4	248.4	238.8	249.6	16.3	8.5	6.1	2.8	4.1
09:00	253.5	256.3	249.7	257.3	22.5	16.9	14.1	5.0	6.7
10:00	275.4 P	275.0 P	271.1 P	275.2 P	33.8 P	27.5 P	23.9 P	4.2 P	5.6 P
11:00	275.4	279.5	257.7	279.3	52.6	41.4	35.0	2.7	3.8
12:00	319.9	321.8	300.8	318.0	49.5	41.5	39.8	1.9	2.6
13:00	351.6	349.0	347.0	343.8	47.3	39.2	31.9	2.2	3.2
14:00	26.7	26.5	22.7	21.2	34.9	22.4	17.3	3.3	5.7
15:00	328.8	338.7	311.1	333.4	49.2	47.6	46.3	1.7	2.6
16:00	24.5	22.4	20.9	16.9	41.4	24.1	18.3	2.7	5.3
17:00	37.6	37.3	29.9	32.6	48.2	29.9	20.1	2.4	5.0
18:00	49.1	50.6	52.2	45.9	32.1	17.4	10.1	3.7	7.6
19:00	41.5	43.6	46.5	38.2	34.6	15.6	10.3	3.5	8.3
20:00	42.2	43.2	43.8	38.1	28.0	12.2	8.8	2.5	6.2
21:00	55.7	59.3	43.8	55.1	20.0	13.0	9.1	2.6	5.3
22:00	49.7	58.8	343.2	54.6	38.1	22.6	11.9	.5	2.4
23:00	17.6	93.2	329.7	94.6	31.6	36.9	47.8	.8	.2
Avg	319.0	321.0	304.0	317.0	33.0	23.0	18.8	.0	.0
Max	351.6	349.0	347.0	343.8	61.5	49.7	47.8	5.0	8.3
Hr. of Max	13	13	13	13	00	00	23	09	19
Min	17.6	22.4	3.9	16.9	15.8	7.5	5.4	.5	.2
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)

7/15/2015

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	5.7	3.2	5.8	7.1	3.8	7.6	1.4	1.8	-.19
01:00	5.1	3.0	4.9	5.8	3.5	6.2	-.9	1.2	-.15
02:00	7.0	2.7	5.3	7.0	3.1	7.3	-.5	.7	-.09
03:00	6.2	2.4	4.7	6.3	2.8	6.6	.6	1.5	-.02
04:00	6.4	2.7	5.1	6.5	3.2	6.9	.6	1.8	-.04
05:00	6.0	2.7	4.8	6.2	3.1	6.6	-.7	1.3	-.12
06:00	4.5	2.1	3.4	4.6	2.5	4.9	-1.2	-1.1	-.11
07:00	4.8	2.5	3.7	4.8	3.0	5.2	-1.0	.8	-.15
08:00	5.2	2.9	4.2	5.2	3.3	5.5	-1.1	.4	-.15
09:00	7.9	5.3	7.0	8.1	6.0	8.7	.0	.5	-.21
10:00	6.4 P	4.8 P	6.0 P	6.8 P	5.3 P	7.3 P	-.5 P	-1.0 P	-.30 P
11:00	4.4	3.5	4.6	5.1	4.3	5.6	3.8	2.3	.06
12:00	3.1	2.9	3.7	4.3	3.4	4.8	-5.5	-5.0	-.46
13:00	4.0	2.9	3.9	4.6	3.4	5.2	-1.1	.8	-.24
14:00	7.0	4.3	6.3	7.4	4.9	8.0	-3.0	-1.5	-.49
15:00	3.3	2.6	3.5	4.2	3.1	4.8	-4.5	-4.0	-.42
16:00	6.5	3.7	6.0	7.2	4.4	7.7	1.7	-2.3	-.22
17:00	6.7	3.3	5.8	7.3	4.0	7.9	-.4	3.5	-.17
18:00	10.0	4.1	7.9	10.1	4.6	10.6	-.6	-.5	-.38
19:00	10.5	4.0	8.6	10.7	4.3	11.1	.6	-.9	-.25
20:00	8.1	2.8	6.3	8.3	3.1	8.7	-1.8	-.7	-.24
21:00	7.2	2.8	5.5	7.3	2.9	7.6	-5.3	-1.8	-.35
22:00	4.1	1.2	2.7	4.4	1.6	4.7	3.3	1.4	.08
23:00	.2	1.1	1.5	.3	1.4	.7	1.4	-.6	.01
Avg	.0	3.1	5.1	6.2	3.5	6.7	-.6	-.1	-.19
Max	10.5	5.3	8.6	10.7	6.0	11.1	3.8	3.5	.08
Hr. of Max	19	09	19	19	09	19	11	17	22
Min	.2	1.1	1.5	.3	1.4	.7	-5.5	-5.0	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/15/2015

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	.05	12.8	15.3	16.5	13.3	44.2	21.9	15.5
01:00	.07	7.1	9.6	11.0	7.7	11.2	13.4	7.7
02:00	.08	5.3	8.5	10.8	6.3	11.2	10.9	3.1
03:00	.17	9.4	11.0	14.9	7.3	11.5	14.7	4.6
04:00	.21	6.4	8.7	11.0	8.2	10.4	13.9	3.2
05:00	.14	10.8	15.1	18.1	8.0	10.9	11.5	3.0
06:00	-.04	5.5	8.7	11.9	6.9	8.0	13.6	5.5
07:00	.05	7.8	8.7	12.1	6.5	8.6	15.4	6.6
08:00	.04	6.0	6.6	8.2	6.8	8.4	13.0	4.3
09:00	-.04	13.3	14.0	14.4	15.2	16.6	16.7	11.7
10:00	-.38 P	<	<	15.5	<	<	<	<
11:00	-.03	12.1	11.7	16.3	11.7	11.9	24.0	21.9
12:00	-.53	9.6	14.7	12.8	10.3	12.7	23.9	22.7
13:00	-.16	10.1	12.4	12.4	12.8	13.7	24.3	21.0
14:00	-.28	12.6	13.1	15.3	14.0	16.4	21.5	11.8
15:00	-.43	8.5	10.8	11.2	9.2	12.6	24.7	20.6
16:00	-.41	15.6	16.7	14.7	17.4	17.3	24.9	12.6
17:00	.43	13.5	14.2	17.4	14.1	15.7	25.3	13.9
18:00	-.21	12.1	15.8	16.5	13.7	17.8	23.5	8.9
19:00	-.26	13.1	18.5	21.3	14.5	19.0	24.9	8.4
20:00	-.16	15.8	20.4	24.3	11.4	19.7	21.4	7.4
21:00	-.26	8.9	10.1	12.8	8.7	13.9	12.5	5.3
22:00	.13	3.7	15.8	19.0	4.8	12.1	14.2	4.9
23:00	-.01	3.7	3.7	2.3	4.1	1.7	7.0	12.3
Avg	-.08	9.7	12.4	14.2	10.1	14.2	18.1	10.3
Max	.43	15.8	20.4	24.3	17.4	44.2	25.3	22.7
Hr. of Max	17	20	20	20	16	00	17	12
Min	-.53	3.7	3.7	2.3	4.1	1.7	7.0	3.0
Count	24	23	23	24	23	23	23	23
Total								