Date Printed: 07/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2015

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	24.9	25.7	25.8	25.9	.80	.87	.96	.08	.16
01:00	23.4	24.8	25.0	25.2	1.42	1.67	1.83	.26	.41
02:00	21.8	23.8	24.5	24.7	2.02	2.63	2.91	.61	.89
03:00	21.3	22.8	23.6	24.0	1.49	2.26	2.70	.76	1.20
04:00	21.1	22.2	22.6	23.0	1.13	1.52	1.91	.40	.78
05:00	21.3	22.1	22.3	22.5	.84	.98	1.24	.15	.41
06:00	21.0	21.3	21.8	22.2	.32	.81	1.24	.49	.92
07:00	21.5	21.5	21.7	22.0	-.03	.19	.48	.22	.52
08:00	22.9	22.7	22.5	22.5	-.25	-.43	-.38	-.18	-.13
09:00	24.6	24.2	23.9	23.8	-.35	-.63	-.77	-.28	-.42
10:00	26.5	26.0	25.7	25.6	-.53	-.80	-.94	-.27	-.41
11:00	28.5	27.7	27.4	27.2	-.80	-1.10	-1.24	-.30	-.44
12:00	29.8	28.9	28.7	28.5	-.83	-1.11	-1.29	-.29	-.47
13:00	30.3	29.4	29.1	28.9	-.98	-1.27	-1.43	-.30	-.45
14:00	31.3	30.2	29.9	29.7	-1.12	-1.46	-1.59	-.33	-.47
15:00	31.0	30.4	30.2	30.2	-.68	-.83	-.85	-.15	-.17
16:00	30.6	29.9	29.6	29.5	-.76	-1.09	-1.17	-.33	-.40
17:00	30.3	29.7	29.4	29.2	-.65	-.99	-1.18	-.34	-.53
18:00	29.6	29.1	28.8	28.7	-.55	-.85	-.95	-.30	-.40
19:00	26.2	25.9	25.6	25.5	-.25	-.51	-.62	-.26	-.37
20:00	24.9	24.9	24.9	25.0	-.01	.08	.17	.09	.18
21:00	23.1	23.3	24.0	24.5	.20	.86	1.40	.65	1.20
22:00	21.9	22.5	22.9	23.3	.59	1.01	1.40	.42	.81
23:00	21.2	21.9	22.5	22.8	.71	1.32	1.56	.60	.84
Avg	25.4	25.5	25.5	25.6	.07	.13	.22	.06	.15
Max	31.3	30.4	30.2	30.2	2.02	2.63	2.91	.76	1.20
Hr. of Max	14	15	15	15	02	02	02	03	21
Min	21.0	21.3	21.7	22.0	-1.12	-1.46	-1.59	-.34	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2015

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	19.1	18.3	21.1	28.0	72.2	65.3	16.2	15.4	0.014327
01:00	18.8	18.0	20.3	27.7	77.3	67.5	15.9	15.1	0.013966
02:00	18.7	18.2	19.7	27.5	84.3	72.6	15.9	15.4	0.013894
03:00	18.8	18.5	19.6	27.2	87.8	78.6	16.0	15.6	0.014016
04:00	18.9	18.7	19.6	27.0	89.5	82.7	16.1	15.9	0.014076
05:00	19.1	19.0	19.9	26.7	89.6	84.2	16.4	16.1	0.014299
06:00	19.5	19.4	20.0	26.5	93.4	91.0	16.7	16.6	0.014597
07:00	19.9	19.9	20.5	26.3	92.8	92.6	17.2	17.1	0.015018
08:00	19.8	19.6		26.1	85.0	85.1	17.0	16.8	0.014941
09:00	19.8	19.1		26.1	77.0	75.2	16.9	16.2	0.014941
10:00	20.1	19.5		26.1	69.8	69.3	17.1	16.5	0.015237
11:00	20.7	20.2		26.3	64.7	65.6	17.6	17.1	0.01581
12:00	20.8	20.5		26.8	60.4	62.2	17.7	17.4	0.015941
13:00	21.0	20.8	24.1	27.5	59.2	61.8	17.9	17.7	0.016142
14:00	21.0	20.8	24.4	28.1	56.0	59.2	17.8	17.8	0.016155
15:00	20.6	20.2	24.1	28.5	56.4	56.5	17.5	17.1	0.015867
16:00	20.9	20.6	24.1	28.7	57.9	59.3	17.8	17.5	0.016091
17:00	20.4	20.5	23.7	29.0	57.2	59.6	17.3	17.4	0.015627
18:00	20.6	20.6	23.6	29.2	60.5	62.5	17.5	17.6	0.01575
19:00	19.9	19.9	22.0	29.3	70.4	71.3	16.9	16.9	0.01506
20:00	20.1	20.0	21.7	29.2	76.9	76.5	17.2	17.1	0.015213
21:00	20.1	20.3	21.1	29.0	85.6	85.2	17.3	17.4	0.015255
22:00	19.8	20.3	20.5	28.7	89.8	89.7	17.0	17.5	0.014897
23:00	19.5	20.4	20.1	28.4	91.9	93.4	16.7	17.7	0.014607
Avg	19.9	19.7	21.6	27.7	75.2	73.6	17.0	16.8	0.015072
Max	21.0	20.8	24.4	29.3	93.4	93.4	17.9	17.8	0.016155
Hr. of Max	14	14	14	19	06	23	13	14	14
Min	18.7	18.0	19.6	26.1	56.0	56.5	15.9	15.1	0.013894
Count	24	24	19	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)

7/11/2015

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	0.013602	22.3	21.2	.00	29.22	989.7	-2.1	.00	262.1
01:00	0.013299	21.7	20.7	.00	29.22	989.5	-1.7	.00	258.5
02:00	0.013527	21.6	21.1	.00	29.21	989.3	-2.8	.00	256.5
03:00	0.01373	21.8	21.4	.00	29.21	989.1	-2.2	.00	281.1
04:00	0.01394	21.9	21.7	.00	29.22	989.4	-2.9	.00	310.5
05:00	0.014143	22.2	22.0	.00	29.23	989.8	-1.9	.00	17.4
06:00	0.014496	22.7	22.6	.00	29.24	990.2	5.9	.01	293.6
07:00	0.014943	23.4	23.2	.00	29.25	990.7	67.0	.10	294.8
08:00	0.014739	23.3	22.9	.00	29.27	991.2	144.6	.21	231.2
09:00	0.014286	23.3	22.3	.00	29.27	991.2	461.2	.66	144.7
10:00	0.014673	23.7	22.8	.00	29.27	991.2	631.8	.91	211.4
11:00	0.015303	24.6	23.8	.00	29.27	991.1	788.4	1.13	247.1
12:00	0.015632	24.8	24.3	.00	29.25	990.6	805.5	1.15	269.4
13:00	0.015914	25.1	24.7	.00	29.25	990.5	901.9	1.29	246.7
14:00	0.01602	25.1	24.9	.00	29.23	989.9	1056.0	1.51	286.2
15:00	0.015408	24.6	23.9	.00	29.22	989.4	743.2	1.07	290.5
16:00	0.015769	24.9	24.5	.00	29.21	989.2	604.2	.87	324.4
17:00	0.015687	24.2	24.3	.00	29.21	989.1	519.4	.74	36.0
18:00	0.015792	24.4	24.5	.00	29.22	989.4	278.7	.40	288.3
19:00	0.015017	23.4	23.3	.00	29.22	989.5	137.8	.20	175.3
20:00	0.015141	23.6	23.5	.00	29.21	989.1	26.5	.04	261.6
21:00	0.015364	23.7	23.8	.00	29.20	988.8	-1.4	.00	274.0
22:00	0.015429	23.1	23.9	.00	29.20	989.0	-1.4	.00	276.4
23:00	0.015514	22.7	24.1	.00	29.21	989.2	-2.9	.00	329.2
Avg	0.01489	23.4	23.1	.00	29.23	989.8	298.0	.43	275.0
Max	0.01602	25.1	24.9	.00	29.27	991.2	1056.0	1.51	329.2
Hr. of Max	14	14	14	23	11	10	14	14	23
Min	0.013299	21.6	20.7	.00	29.20	988.8	-2.9	.00	17.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2015

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	279.0	288.1	266.6	287.2	23.4	18.1	15.2	2.5	4.3
01:00	276.1	287.3	261.5	285.8	23.8	20.4	15.7	1.8	3.0
02:00	268.0	277.6	260.4	276.8	10.1	7.5	5.7	2.9	5.1
03:00	250.3	266.4	272.3	267.0	42.5	28.8	11.6	.7	1.7
04:00	207.2	197.8	312.5	197.3	31.2	54.1	28.7	.6	.2
05:00	65.3	76.0	23.9	72.6	35.9	20.7	15.1	.9	1.4
06:00	159.2	129.2	290.6	126.5	53.2	72.2	39.3	.5	.2
07:00	303.8	270.8	291.6	262.6	35.8	34.7	47.2	.6	.6
08:00	249.3	236.8	235.3	237.7	45.3	35.7	23.3	.6	.9
09:00	134.2	94.0	160.0	80.0	71.2	78.3	73.7	.4	.2
10:00	214.7	210.4	216.1	214.3	53.4	50.8	52.0	1.2	1.6
11:00	254.6	258.0	250.1	257.2	40.5	37.4	34.1	2.7	3.4
12:00	282.2	282.9	271.5	281.2	42.5	41.5	33.9	2.9	3.7
13:00	257.8	261.9	252.0	262.6	39.4	33.3	25.3	4.1	5.3
14:00	282.3	280.1	289.1	279.6	48.7	37.1	32.2	2.7	4.0
15:00	301.5	301.5	296.1	298.5	45.2	38.0	32.9	3.8	5.4
16:00	336.1	335.1	325.3	331.3	33.6	27.2	23.2	2.8	4.7
17:00	29.0	23.3	31.5	18.9	41.5	27.3	23.3	2.5	4.0
18:00	3.7	10.3	282.8	352.8	56.1	49.2	48.9	1.5	1.5
19:00	179.1	176.1	181.2	174.1	31.2	28.8	31.2	2.3	2.9
20:00	171.5	138.7	261.1	138.7	32.2	30.4	21.8	.7	1.0
21:00	335.8	89.5	274.7	80.3	16.5	33.4	16.2	1.3	.5
22:00	227.4	196.0	279.1	197.5	26.7	13.6	14.7	.9	1.6
23:00	249.3	188.8	323.4	189.4	32.4	12.0	12.6	.6	1.4
Avg	261.0	250.0	275.0	254.0	38.0	34.6	28.2	.0	.0
Max	336.1	335.1	325.3	352.8	71.2	78.3	73.7	4.1	5.4
Hr. of Max	16	16	16	18	09	09	09	13	15
Min	3.7	10.3	23.9	18.9	10.1	7.5	5.7	.4	.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)

7/11/2015

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	6.1	2.7	4.6	6.3	3.2	6.4	-1.6	.0	-.19
01:00	4.6	2.0	3.4	4.9	2.4	5.0	-1.8	-.3	-.11
02:00	7.4	3.0	5.2	7.4	3.4	7.5	-2.9	.8	-.17
03:00	3.7	.8	2.1	4.0	1.1	4.1	.8	4.0	.00
04:00	.9	.8	.4	1.0	1.1	1.3	.3	.5	.01
05:00	1.7	1.1	1.6	1.8	1.3	2.1	2.1	.4	.00
06:00	.4	.7	.4	.5	1.0	.9	1.9	.3	.02
07:00	.5	.9	.9	.6	1.3	.9	1.2	-.2	.03
08:00	1.1	.8	1.1	1.3	1.3	1.6	-1.4	-4.9	.02
09:00	.2	.7	.7	.8	1.3	1.4	3.4	3.1	.16
10:00	1.6	1.9	2.2	2.1	2.4	2.8	3.0	-2.4	.08
11:00	3.7	3.8	4.5	5.0	4.4	5.6	-2.6	-.4	-.30
12:00	4.3	3.8	4.5	4.9	4.4	5.6	1.0	5.5	-.05
13:00	6.2	5.5	6.9	7.9	6.1	8.5	-1.2	.6	-.37
14:00	5.1	4.1	5.3	6.2	4.8	6.9	-.3	1.5	-.23
15:00	6.4	4.9	6.4	7.2	5.3	7.6	-3.3	1.4	-.53
16:00	5.9	4.4	6.2	7.4	4.9	7.8	-1.3	-.7	-.48
17:00	4.7	3.2	4.6	5.2	3.8	5.9	-5.2	.5	-.59
18:00	1.8	3.7	4.8	5.2	4.2	5.6	-.8	-1.2	-.14
19:00	3.4	2.7	3.3	3.6	3.3	4.1	5.7	-.5	.20
20:00	1.5	1.2	1.4	1.8	1.5	2.1	3.6	-1.4	.09
21:00	.2	1.6	2.0	.8	2.0	1.1	.8	-.4	.01
22:00	2.1	1.0	1.7	2.2	1.3	2.5	2.1	-1.4	.03
23:00	1.9	.7	1.5	2.0	.9	2.2	1.3	-3.0	.02
Avg	.0	2.3	3.2	3.8	2.8	4.1	.2	.1	-.10
Max	7.4	5.5	6.9	7.9	6.1	8.5	5.7	5.5	.20
Hr. of Max	02	13	13	13	13	13	19	12	19
Min	.2	.7	.4	.5	.9	.9	-5.2	-4.9	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2015

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	-.14	7.6	11.0	12.8	8.4	13.8	16.3	11.5
01:00	-.10	8.0	7.6	12.4	5.2	9.5	13.0	8.6
02:00	.08	6.0	8.5	11.7	6.5	11.9	5.5	4.0
03:00	.26	5.0	11.2	14.7	3.6	9.1	9.2	5.2
04:00	.01	3.0	1.6	5.5	3.1	4.2	6.7	8.4
05:00	.00	4.4	4.1	3.7	4.8	4.1	10.7	7.3
06:00	-.01	2.3	2.1	3.4	2.6	2.8	10.0	13.3
07:00	.00	2.5	2.5	2.3	2.9	2.5	11.0	10.0
08:00	-.13	3.9	4.8	4.4			22.1	10.9
09:00	.17	2.7	3.2	3.7			32.5	35.1
10:00	-.07	7.3	8.0	8.5			29.5	35.7
11:00	-.23	9.4	11.2	11.4			22.0	22.4
12:00	.33	11.2	11.4	12.8			23.9	25.3
13:00	-.25	13.1	16.9	18.8	17.0	20.3	21.5	16.8
14:00	-.23	15.1	16.7	17.9	17.4	18.2	26.3	23.1
15:00	-.30	13.7	13.7	15.1	16.1	16.5	19.4	20.5
16:00	-.30	12.6	13.7	16.3	12.8	17.0	22.8	15.5
17:00	.03	13.3	14.9	16.3	13.2	16.6	24.3	19.0
18:00	-.12	13.1	15.3	17.2	16.6	17.0	24.0	21.0
19:00	.01	19.0	16.5	13.5	10.2	10.6	22.5	21.6
20:00	-.10	4.1	4.6	8.9	5.3	5.2	14.1	12.7
21:00	.00	3.4	4.8	3.2	4.1	3.6	7.6	9.0
22:00	-.06	5.5	6.0	6.4	3.4	4.2	10.2	7.2
23:00	-.13	2.7	4.1	5.0	2.9	5.8	8.2	8.8
Avg	-.05	7.9	8.9	10.2	8.2	10.2	17.2	15.5
Max	.33	19.0	16.9	18.8	17.4	20.3	32.5	35.7
Hr. of Max	12	19	13	13	14	13	09	10
Min	-.30	2.3	1.6	2.3	2.6	2.5	5.5	4.0
Count	24	24	24	24	19	19	24	24
Total								