Date Printed: 08/18/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2015

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	21.0	21.7	22.0	22.3	.68	1.00	1.29	.32	.61
01:00	20.8	21.6	21.7	21.9	.85	.95	1.09	.10	.24
02:00	20.6	21.3	21.3	21.5	.66	.75	.87	.09	.21
03:00	20.4	20.9	21.1	21.3	.50	.72	.83	.23	.34
04:00	20.3	20.6	21.0	21.3	.26	.66	.95	.41	.70
05:00	20.4	20.7	20.8	21.2	.21	.41	.71	.19	.50
06:00	20.8	21.1	21.1	21.2	.27	.31	.45	.04	.19
07:00	21.2	21.3	21.2	21.3	.06	-.04	.01	-.11	-.05
08:00	22.0	21.8	21.6	21.6	-.18	-.38	-.44	-.20	-.26
09:00	23.2	22.9	22.6	22.5	-.34	-.61	-.70	-.28	-.37
10:00	24.2	23.8	23.5	23.4	-.42	-.67	-.77	-.25	-.36
11:00	25.5	25.0	24.8	24.6	-.51	-.74	-.89	-.23	-.38
12:00	25.5	25.1	24.9	24.8	-.40	-.61	-.71	-.21	-.31
13:00	25.5	25.0	24.8	24.6	-.49	-.75	-.86	-.25	-.37
14:00	25.1	24.8	24.6	24.6	-.30	-.47	-.49	-.17	-.18
15:00	24.5	24.3	24.1	24.1	-.24	-.41	-.45	-.17	-.20
16:00	22.1	22.0	21.9	21.9	-.13	-.28	-.23	-.15	-.10
17:00	21.9	21.7	21.5	21.6	-.24	-.40	-.38	-.15	-.14
18:00	22.2	22.0	21.9	21.9	-.14	-.27	-.27	-.13	-.13
19:00	22.1	22.0	21.9	21.9	-.10	-.18	-.17	-.08	-.07
20:00	21.8	21.9	21.9	22.0	.04	.06	.11	.01	.06
21:00	21.5	21.6	21.7	21.7	.15	.19	.28	.05	.14
22:00	21.5	21.6	21.6	21.6	.09	.11	.15	.02	.06
23:00	21.4	21.7	21.7	21.7	.24	.26	.30	.02	.07
Avg	22.3	22.4	22.3	22.4	.02	-.02	.03	-.04	.01
Max	25.5	25.1	24.9	24.8	.85	1.00	1.29	.41	.70
Hr. of Max	13	12	12	12	01	00	00	04	04
Min	20.3	20.6	20.8	21.2	-.51	-.75	-.89	-.28	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2015

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	18.7	19.0	19.5	26.4	88.9	86.8	16.0	16.2	0.013913
01:00	18.8	19.2	19.4	26.2	90.5	88.1	16.0	16.4	0.013972
02:00	18.7	19.1	19.4	26.1	91.1	89.5	16.0	16.3	0.013927
03:00	18.7	19.2	19.3	26.0	91.8	92.2	16.0	16.5	0.013892
04:00	18.7	19.2	19.2	25.9	92.3	93.7	16.0	16.4	0.013886
05:00	18.8	19.2	19.4	25.8	92.6	93.7	16.1	16.5	0.014021
06:00	19.3	19.5	19.8	25.7	93.1	93.1	16.5	16.8	0.014388
07:00	19.5	19.6	20.1	25.6	91.7	92.4	16.7	16.9	0.014577
08:00	19.8	19.8	20.6	25.5	89.6	90.6	17.1	17.1	0.014939
09:00	19.8	19.9	21.0	25.4	83.3	85.0	17.0	17.0	0.01495
10:00	19.9	19.7	21.3	25.4	78.8	80.2	17.0	16.9	0.014981
11:00	19.5	19.2	21.5	25.4	71.2	72.1	16.6	16.3	0.014674
12:00	20.0	20.0	21.9	25.4	73.8	75.4	17.1	17.1	0.015161
13:00	20.3	20.2	22.0	25.5	74.7	76.8	17.3	17.3	0.015385
14:00	20.9	20.6	22.3	25.6	79.9	79.8	18.0	17.7	0.016012
15:00	21.7	21.4	22.7	25.7	87.0	86.6	19.0	18.7	0.016893
16:00	20.5	20.4	21.0	25.8	92.5	92.9	17.7	17.7	0.015587
17:00	20.4	20.4	20.9	25.8	93.2	94.6	17.6	17.6	0.015494
18:00	20.7	20.5	21.2	25.7	93.5	93.5	17.9	17.8	0.015776
19:00	20.8	20.8	21.2	25.7	95.0	95.6	18.1	18.1	0.015932
20:00	20.7	20.7	21.1	25.6	95.5	95.6	18.0	18.0	0.015816
21:00	20.4	20.5	20.7	25.6	95.9	95.5	17.7	17.7	0.01551
22:00	20.5	20.5	20.8	25.5	96.6	96.3	17.8	17.8	0.015627
23:00	20.5	20.5	20.8	25.5	96.7	95.4	17.8	17.8	0.015587
Avg	19.9	20.0	20.7	25.7	88.7	89.0	17.1	17.2	0.015038
Max	21.7	21.4	22.7	26.4	96.7	96.3	19.0	18.7	0.016893
Hr. of Max	15	15	15	00	23	22	15	15	15
Min	18.7	19.0	19.2	25.4	71.2	72.1	16.0	16.2	0.013886
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)

8/17/2015

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	0.014174	21.7	22.1	.00	29.24	990.1	-1.2	.00	322.7
01:00	0.014333	21.7	22.3	.00	29.23	989.8	-2.5	.00	26.2
02:00	0.014245	21.7	22.2	.00	29.22	989.5	-2.8	.00	9.2
03:00	0.014376	21.6	22.3	.00	29.21	989.3	-2.8	.00	322.6
04:00	0.014329	21.6	22.3	.00	29.22	989.4	-1.3	.00	260.0
05:00	0.014376	21.8	22.4	.00	29.23	989.8	-1.6	.00	268.4
06:00	0.01463	22.4	22.8	.00	29.24	990.1	-2.4	.00	33.9
07:00	0.014738	22.7	22.9	.00	29.25	990.5	27.0	.04	52.4
08:00	0.014939	23.2	23.2	.00	29.25	990.5	110.3	.16	67.5
09:00	0.014959	23.2	23.3	.00	29.25	990.5	174.7	.25	28.2
10:00	0.014856	23.3	23.1	.00	29.25	990.4	244.9	.35	48.7
11:00	0.014411	22.8	22.4	.00	29.24	990.4	375.0	.54	286.2
12:00	0.01513	23.6	23.5	.00	29.23	990.0	178.5	.26	326.8
13:00	0.01536	23.9	23.8	.00	29.21	989.3	257.5	.37	335.3
14:00	0.015701	24.8	24.3	.01	29.20	988.8	278.8	.40	338.1
15:00	0.016565	26.1	25.6	.04	29.18	988.3	171.4	.25	232.9
16:00	0.015529	24.2	24.1	.51	29.19	988.4	89.9	.13	217.1
17:00	0.015494	24.0	24.0	.04	29.18	988.1	110.3	.16	230.7
18:00	0.015652	24.4	24.2	.01	29.16	987.6	61.8	.09	50.8
19:00	0.015924	24.7	24.6	.01	29.15	987.1	26.8	.04	13.8
20:00	0.015865	24.5	24.5	.00	29.13	986.6	1.5	.00	24.1
21:00	0.015591	24.0	24.1	.00	29.13	986.6	-2.4	.00	3.4
22:00	0.015663	24.2	24.2	.01	29.15	987.1	-2.1	.00	354.8
23:00	0.015606	24.1	24.2	.00	29.15	987.1	-2.1	.00	357.7
Avg	0.015102	23.3	23.4	.03	29.20	989.0	87.0	.13	350.0
Max	0.016565	26.1	25.6	.51	29.25	990.5	375.0	.54	357.7
Hr. of Max	15	15	15	16	10	09	11	11	23
Min	0.014174	21.6	22.1	.00	29.13	986.6	-2.8	.00	3.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2015

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	87.9	34.5	327.4	51.9	35.2	57.3	52.7	.6	.1
01:00	64.5	68.3	29.8	65.6	18.1	7.5	3.8	1.4	2.2
02:00	75.3	74.2	16.2	71.8	26.1	9.7	7.6	.6	1.9
03:00	65.1	78.1	329.2	77.5	38.8	17.1	14.3	.5	.7
04:00	59.3	16.2	254.9	20.9	23.8	60.1	23.6	1.1	.1
05:00	157.8	193.7	273.0	136.8	24.0	43.2	29.0	.7	.2
06:00	57.8	67.6	36.5	64.4	14.4	8.6	6.8	1.9	2.9
07:00	58.7	61.7	55.6	58.8	27.6	15.2	11.1	1.6	3.0
08:00	66.9	59.0	73.5	57.0	29.7	23.2	19.4	1.4	1.9
09:00	39.3	39.8	32.9	36.2	34.5	19.1	14.7	1.6	2.6
10:00	46.4	32.7	52.0	33.5	66.8	43.4	38.8	.5	1.0
11:00	306.0	290.4	263.1	281.7	53.5	65.5	74.1	.5	.7
12:00	356.9	335.6	331.2	329.7	37.8	45.4	36.0	.8	1.2
13:00	356.4	353.4	335.7	348.5	35.3	22.1	18.1	2.0	3.0
14:00	354.1	354.8	339.5	349.6	32.9	24.2	16.7	1.5	2.4
15:00	227.2	254.6	233.4	257.6	25.1	36.9	22.9	1.0	.9
16:00	218.2	236.7	221.3	239.1	52.1	50.2	55.9	2.3	3.4
17:00	85.9	253.6	228.9	258.2	46.3	65.1	35.2	.4	.5
18:00	57.1	54.5	52.3	50.8	25.8	13.1	12.0	1.1	1.8
19:00	52.7	64.3	21.2	63.6	34.8	17.8	25.5	.9	2.0
20:00	50.7	58.7	26.2	54.7	20.3	9.2	7.5	1.4	3.1
21:00	61.3	58.8	7.0	56.7	32.1	29.2	40.1	.7	1.9
22:00	53.5	54.2	357.2	50.4	25.1	21.0	26.0	.9	1.6
23:00	41.3	47.3	.8	43.3	17.8	12.5	7.7	1.1	1.8
Avg	52.0	38.0	354.0	38.0	32.4	29.9	25.0	.0	.0
Max	356.9	354.8	357.2	349.6	66.8	65.5	74.1	2.3	3.4
Hr. of Max	12	14	22	14	10	11	11	16	16
Min	39.3	16.2	.8	20.9	14.4	7.5	3.8	.4	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2015

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	1.0	.5	.6	1.2	.9	.7	-.5	.03
01:00	2.7	1.4	2.2	2.7	1.5	2.9	.4	.3	-.02
02:00	2.6	.7	1.9	2.6	1.0	2.9	1.4	.5	.01
03:00	1.2	.6	.7	1.2	.9	1.5	2.8	-.6	.05
04:00	.5	1.2	.7	.7	1.6	1.0	1.0	1.2	.00
05:00	.4	1.3	.9	.5	1.6	.9	.3	-1.4	-.03
06:00	3.5	1.9	3.0	3.6	2.1	3.8	-6.8	-1.2	-.29
07:00	3.8	1.7	3.1	3.8	2.0	4.1	-3.9	-.7	-.21
08:00	2.5	1.5	2.0	2.6	2.0	3.0	-2.0	8.7	-.06
09:00	2.7	1.8	2.6	2.7	2.2	3.0	-2.6	-.2	-.21
10:00	1.2	.8	1.1	1.3	1.3	1.8	-3.4	1.8	-.10
11:00	.5	1.0	1.2	1.1	1.6	1.6	-1.2	5.8	-.04
12:00	1.4	.9	1.3	1.5	1.3	1.9	-2.0	6.1	-.08
13:00	3.7	2.5	3.4	4.0	2.8	4.3	-5.6	-.1	-.42
14:00	3.2	1.8	2.7	3.5	2.2	3.8	-4.7	-.8	-.32
15:00	1.1	1.3	1.6	1.6	1.7	2.0	2.9	-.6	.05
16:00	4.0	3.4	4.6	5.3	3.8	5.7	.4	.5	-.07
17:00	.4	.6	.6	.6	1.2	1.1	-1.2	-.3	-.01
18:00	2.3	1.2	1.9	2.3	1.4	2.6	-5.8	-4.0	-.16
19:00	2.2	1.0	2.1	2.3	1.3	2.6	-.1	3.6	-.06
20:00	3.7	1.5	3.1	3.7	1.8	3.9	-7.2	-2.7	-.28
21:00	2.7	1.1	2.1	2.9	1.5	3.2	-2.6	-1.1	-.10
22:00	1.9	1.0	1.7	2.0	1.2	2.3	-3.4	-.4	-.09
23:00	2.4	1.2	1.9	2.4	1.4	2.7	-3.2	-1.9	-.11
Avg	.0	1.4	2.0	2.3	1.7	2.6	-1.9	.5	-.11
Max	4.0	3.4	4.6	5.3	3.8	5.7	2.9	8.7	.05
Hr. of Max	16	16	16	16	16	16	15	08	15
Min	.4	.6	.5	.5	.9	.9	-7.2	-4.0	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/17/2015

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	.00	2.3	1.8	2.1	2.5	2.2	7.9	6.9
01:00	.01	3.0	3.4	3.9	3.2	4.2	8.4	3.8
02:00	.02	2.7	4.8	5.3	2.7	5.0	11.3	4.7
03:00	-.01	1.8	2.5	2.3	2.4	2.6	8.5	6.9
04:00	.03	3.2	2.3	1.8	3.3	2.2	6.7	8.3
05:00	-.02	4.1	3.4	3.9	3.1	4.0	7.7	7.4
06:00	-.08	3.4	6.4	7.3	3.8	5.5	8.9	4.3
07:00	-.08	4.1	7.3	6.4	5.2	7.0	16.3	8.4
08:00	.32	3.9	7.6	7.6	4.6	8.3	22.0	17.5
09:00	-.05	4.6	4.8	4.8	5.2	5.2	22.1	13.8
10:00	-.01	3.0	3.7	4.6	3.6	4.2	32.2	28.8
11:00	.26	3.2	3.9	3.4	4.4	4.4	33.5	37.1
12:00	.16	3.9	4.1	4.4	4.7	5.0	29.4	28.2
13:00	-.01	6.2	6.9	8.0	6.7	7.5	22.3	13.4
14:00	-.06	4.6	6.2	9.2	5.0	7.0	23.9	11.5
15:00	-.05	3.2	4.4	5.5	4.1	4.8	16.9	14.7
16:00	-.09	13.7	16.3	15.8	13.8	17.9	19.7	11.7
17:00	.04	3.2	3.7	3.4	3.2	3.6	23.9	23.1
18:00	-.16	3.4	4.4	4.8	3.5	5.1	16.7	9.5
19:00	.12	3.9	5.5	5.3	3.9	5.6	20.5	18.2
20:00	-.19	3.4	7.8	7.8	3.6	6.6	12.6	5.1
21:00	-.02	3.7	5.3	6.4	4.0	6.7	15.7	11.8
22:00	-.07	2.5	3.7	4.4	2.6	4.4	10.7	10.8
23:00	-.09	2.7	5.3	5.7	2.8	4.5	9.0	4.9
Avg	.00	3.9	5.2	5.6	4.2	5.6	17.0	13.0
Max	.32	13.7	16.3	15.8	13.8	17.9	33.5	37.1
Hr. of Max	08	16	16	16	16	16	11	11
Min	-.19	1.8	1.8	1.8	2.4	2.2	6.7	3.8
Count	24	24	24	24	24	24	24	24
Total								