Date Printed: 07/22/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2015

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	20.9	21.0	21.5	22.0	.03	.51	1.06	.48	1.03
01:00	21.1	21.1	21.2	21.4	.00	.05	.29	.05	.30
02:00	21.2	21.2	21.2	21.4	-.08	-.08	.14	.00	.22
03:00	21.2	21.2	21.3	21.5	.08	.12	.35	.04	.27
04:00	20.9	21.4	21.5	21.7	.49	.53	.79	.04	.30
05:00	21.1	21.4	21.7	22.0	.26	.54	.82	.28	.57
06:00	21.2	21.5	21.8	22.0	.26	.54	.77	.27	.51
07:00	21.6	21.5	21.5	21.7	-.04	-.05	.14	-.01	.18
08:00	22.6	22.4	22.3	22.4	-.23	-.35	-.21	-.11	.02
09:00	24.7	24.4	24.1	24.1	-.35	-.58	-.63	-.23	-.28
10:00	26.5	26.1	25.8	25.7	-.44	-.71	-.79	-.28	-.35
11:00	27.1	26.8	26.6	26.6	-.30	-.46	-.52	-.16	-.22
12:00	29.0	28.4	28.1	28.1	-.60	-.87	-.94	-.27	-.34
13:00	30.4	29.5	29.3	29.2	-.86	-1.09	-1.19	-.23	-.33
14:00	30.7	30.0	29.7	29.6	-.71	-.96	-1.07	-.25	-.36
15:00	31.0	30.2	29.9	29.7	-.86	-1.13	-1.29	-.27	-.43
16:00	31.1	30.4	30.1	29.9	-.72	-1.04	-1.17	-.31	-.45
17:00	30.6	30.1	29.8	29.7	-.54	-.78	-.93	-.24	-.39
18:00	29.5	29.2	29.1	29.1	-.28	-.41	-.40	-.13	-.12
19:00	28.1	28.5	28.5	28.6	.40	.40	.51	.00	.11
20:00	25.6	27.6	27.8	28.0	1.97	2.21	2.41	.24	.44
21:00	23.7	25.4	26.1	26.8	1.70	2.42	3.07	.72	1.38
22:00	22.7	23.8	24.7	25.6	1.10	2.05	2.87	.95	1.77
23:00	22.0	22.9	23.6	24.6	.93	1.62	2.62	.69	1.69
Avg	25.2	25.3	25.3	25.5	.05	.10	.28	.05	.23
Max	31.1	30.4	30.1	29.9	1.97	2.42	3.07	.95	1.77
Hr. of Max	16	16	16	16	20	21	21	22	22
Min	20.9	21.0	21.2	21.4	-.86	-1.13	-1.29	-.31	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2015

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	19.9	20.4	20.3	26.4	96.2	98.9	17.2	17.7	0.015154
01:00	20.1	20.5	20.5	26.3	96.4	99.0	17.4	17.8	0.015355
02:00	20.3	20.6	20.6	26.2	96.7	99.0	17.6	17.9	0.015521
03:00	20.2	20.7	20.5	26.1	96.7	99.0	17.5	18.0	0.015459
04:00	20.0	20.8	20.3	26.0	96.7	99.0	17.3	18.2	0.015262
05:00	20.2	20.8	20.5	25.9	96.8	99.0	17.5	18.1	0.015453
06:00	20.3	20.9	20.6	25.7	96.5	98.9	17.5	18.2	0.015504
07:00	20.6	20.9	20.9	25.7	96.4	98.9	17.9	18.3	0.015821
08:00	21.4	21.5	21.8	25.6	95.2	97.1	18.7	18.8	0.016631
09:00	22.3	22.1	23.1	25.5	88.9	89.4	19.6	19.4	0.017621
10:00	22.9	22.5	24.1	25.6	83.0	83.2	20.3	19.8	0.018296
11:00	22.8	22.6	24.2	25.8	80.1	80.4	20.2	19.9	0.018243
12:00	23.0	22.5	25.0	26.1	72.6	72.5	20.3	19.7	0.018509
13:00	22.2	21.7	24.9	26.5	63.8	65.0	19.3	18.7	0.017593
14:00	21.0	20.7	24.2	27.0	58.3	59.3	17.9	17.6	0.016379
15:00	20.5	20.1	24.0	27.5	55.5	56.5	17.4	16.9	0.015895
16:00	20.2	19.7	23.8	27.8	54.0	54.4	17.0	16.5	0.015552
17:00	19.6	19.2	23.3	28.0	53.4	53.8	16.4	16.1	0.014964
18:00	19.4	18.9	22.8	28.3	56.2	55.5	16.3	15.8	0.014766
19:00	20.0	19.3	22.7	28.4	63.7	59.1	17.0	16.2	0.015365
20:00	21.0	19.7	22.6	28.4	78.0	63.8	18.1	16.6	0.016285
21:00	20.9	20.3	21.9	28.3	86.7	75.5	18.1	17.4	0.016176
22:00	20.5	20.7	21.3	28.1	89.9	85.1	17.8	17.9	0.015753
23:00	20.2	20.6	20.8	27.9	91.9	88.8	17.5	17.8	0.015437
Avg	20.8	20.7	22.3	26.8	81.0	80.5	18.0	17.9	0.016125
Max	23.0	22.6	25.0	28.4	96.8	99.0	20.3	19.9	0.018509
Hr. of Max	12	11	12	20	05	05	12	11	12
Min	19.4	18.9	20.3	25.5	53.4	53.8	16.3	15.8	0.014766
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2015

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	0.01561	23.3	24.0	.00	28.98	981.4	-2.2	.00	232.6
01:00	0.015756	23.6	24.2	.00	28.97	981.2	-2.2	.00	243.2
02:00	0.015805	23.9	24.3	.00	28.95	980.5	-2.3	.00	236.2
03:00	0.015906	23.8	24.4	.00	28.93	979.8	-2.3	.00	235.6
04:00	0.016095	23.5	24.7	.00	28.91	979.2	-2.3	.00	25.1
05:00	0.016049	23.7	24.6	.00	28.91	979.1	-2.3	.00	346.8
06:00	0.016147	23.8	24.8	.00	28.92	979.4	.5	.00	249.7
07:00	0.016181	24.3	24.8	.00	28.93	979.6	47.2	.07	248.0
08:00	0.016731	25.5	25.7	.00	28.94	980.1	175.1	.25	209.0
09:00	0.017367	27.0	26.6	.00	28.95	980.3	373.0	.53	219.9
10:00	0.01788	28.0	27.4	.00	28.95	980.3	498.3	.71	215.5
11:00	0.017999	27.9	27.6	.00	28.95	980.5	261.8	.38	257.4
12:00	0.017854	28.3	27.4	.00	28.95	980.5	810.6	1.16	224.7
13:00	0.01707	27.0	26.2	.00	28.95	980.4	935.1	1.34	261.9
14:00	0.015981	25.2	24.6	.00	28.95	980.3	776.2	1.11	274.4
15:00	0.015414	24.4	23.7	.00	28.93	979.9	874.4	1.25	287.7
16:00	0.015025	23.9	23.1	.00	28.93	979.8	624.3	.89	282.6
17:00	0.014618	23.0	22.5	.00	28.92	979.5	474.3	.68	282.7
18:00	0.014339	22.7	22.1	.00	28.92	979.5	274.7	.39	273.2
19:00	0.014628	23.6	22.5	.00	28.94	980.1	186.4	.27	279.3
20:00	0.014978	25.0	23.1	.00	28.95	980.5	24.9	.04	280.0
21:00	0.015581	24.9	24.0	.00	28.96	980.7	-2.2	.00	335.3
22:00	0.015918	24.2	24.5	.00	28.98	981.5	-1.9	.00	291.3
23:00	0.015787	23.8	24.3	.00	28.98	981.6	-2.7	.00	267.4
Avg	0.01603	24.8	24.6	.00	28.94	980.2	263.2	.38	263.0
Max	0.017999	28.3	27.6	.00	28.98	981.6	935.1	1.34	346.8
Hr. of Max	11	12	11	23	23	23	13	13	05
Min	0.014339	22.7	22.1	.00	28.91	979.1	-2.7	.00	25.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2015

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	239.5	270.2	236.7	269.8	10.8	8.5	8.5	2.1	2.7
01:00	247.6	233.3	248.2	235.2	30.7	16.3	10.0	1.8	3.0
02:00	240.2	230.8	241.2	233.2	15.7	8.2	5.5	1.9	3.3
03:00	218.6	225.6	246.0	229.9	48.8	51.3	40.8	.8	2.0
04:00	53.0	27.1	22.1	31.9	30.4	32.7	29.4	.8	.8
05:00	31.6	290.1	277.7	295.5	52.8	45.5	34.8	.3	.4
06:00	207.3	231.1	249.2	233.2	21.7	50.2	9.6	1.4	1.5
07:00	251.2	222.2	253.6	224.4	27.5	14.2	11.8	1.2	2.3
08:00	246.2	256.0	218.6	257.1	36.2	32.8	16.6	.9	1.7
09:00	229.0	230.5	223.3	232.6	34.4	27.5	22.9	1.9	2.6
10:00	224.5	225.1	221.7	226.6	32.6	24.8	21.0	3.3	4.1
11:00	258.5	255.6	263.8	255.7	34.3	32.4	31.3	2.1	2.9
12:00	240.0	247.2	230.3	248.0	26.5	20.2	19.0	4.8	6.1
13:00	267.1	271.4	265.6	270.8	32.8	25.4	21.9	4.2	6.0
14:00	288.8	296.4	277.0	294.3	31.8	26.1	21.5	4.7	6.5
15:00	299.3	306.1	289.8	303.4	40.5	33.4	28.4	3.5	4.9
16:00	294.0	297.4	286.1	295.8	46.7	32.6	25.6	3.1	4.6
17:00	294.1	297.3	285.2	295.5	34.2	27.4	23.5	3.7	5.5
18:00	280.8	284.8	278.4	283.9	24.6	16.8	13.7	4.2	6.6
19:00	283.7	286.4	281.2	285.5	21.4	16.5	12.0	3.0	4.9
20:00	286.9	290.3	280.9	288.4	15.9	11.8	9.1	2.2	4.2
21:00	83.4	340.9	330.2	328.7	56.5	50.9	63.8	.4	.3
22:00	110.2	209.7	285.8	203.4	17.0	53.0	38.3	.8	.2
23:00	247.0	208.7	268.9	211.7	31.5	45.2	34.7	.8	.8
Avg	259.0	263.0	264.0	263.0	31.5	29.3	23.1	.0	.0
Max	299.3	340.9	330.2	328.7	56.5	53.0	63.8	4.8	6.6
Hr. of Max	15	21	21	21	21	22	21	12	18
Min	31.6	27.1	22.1	31.9	10.8	8.2	5.5	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2015

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	3.0	2.2	2.8	3.2	2.6	3.4	-1.5	1.2	-.08
01:00	3.8	1.9	3.1	3.9	2.2	4.2	-.4	.4	-.08
02:00	4.7	2.0	3.4	4.8	2.4	5.1	-1.5	.7	-.11
03:00	3.4	1.3	2.3	3.6	1.6	3.9	-2.1	1.1	-.07
04:00	.6	1.0	1.1	1.2	1.3	1.5	3.0	-.6	.05
05:00	.4	.3	.6	.5	.6	.8	1.2	1.4	.01
06:00	2.3	1.5	1.6	2.5	1.8	2.8	.6	1.2	.00
07:00	2.9	1.3	2.4	3.0	1.8	3.4	-.8	-.7	-.07
08:00	3.1	1.0	1.9	3.3	1.5	3.5	2.5	-.1	.05
09:00	3.2	2.2	2.9	3.4	2.8	3.9	1.8	3.2	-.01
10:00	4.3	3.9	4.7	4.7	4.5	5.2	.6	1.4	-.11
11:00	3.4	2.4	3.3	3.9	2.8	4.2	-1.2	-4.6	-.15
12:00	6.4	5.1	6.3	6.7	5.8	7.3	-1.1	-.4	-.24
13:00	7.1	5.0	6.8	7.8	5.6	8.3	-1.1	-1.3	-.35
14:00	7.7	5.2	7.1	8.3	5.7	8.7	1.5	-.4	-.28
15:00	6.5	4.4	5.9	7.3	5.0	7.7	-1.9	1.4	-.31
16:00	5.9	3.9	5.3	6.5	4.6	6.8	2.1	2.9	-.08
17:00	6.9	4.3	6.0	7.4	4.9	7.8	-1.8	-.7	-.42
18:00	8.5	4.5	6.9	8.7	4.8	8.8	-2.6	-.2	-.44
19:00	7.1	3.2	5.1	7.3	3.4	7.3	-2.8	-1.2	-.28
20:00	6.3	2.3	4.4	6.4	2.4	6.3	-3.2	-.9	-.22
21:00	.7	.9	.8	1.1	1.2	1.6	2.3	-.8	.06
22:00	.5	.8	.3	1.0	1.1	1.2	.3	1.4	.01
23:00	1.2	1.0	.9	1.4	1.4	1.7	1.2	-1.2	.02
Avg	.0	2.6	3.6	4.5	3.0	4.8	-.2	.1	-.13
Max	8.5	5.2	7.1	8.7	5.8	8.8	3.0	3.2	.06
Hr. of Max	18	14	14	18	12	18	04	09	21
Min	.4	.3	.3	.5	.6	.8	-3.2	-4.6	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2015

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	3.9	6.2	6.4	4.5	5.4	5.9	3.7
01:00	.03	6.4	8.7	7.3	4.5	6.8	12.7	3.1
02:00	.06	4.6	6.0	9.4	4.8	7.5	10.6	2.8
03:00	.11	4.8	7.3	13.3	4.5	7.8	15.0	8.5
04:00	-.02	2.5	2.3	2.7	2.7	2.9	10.3	7.2
05:00	.02	1.6	2.5	2.5	1.8	2.9	6.0	7.3
06:00	.05	3.2	3.9	3.9	3.8	4.3	5.8	4.5
07:00	-.05	3.7	4.8	5.5	4.5	6.0	12.3	3.7
08:00	-.03	3.9	4.8	7.6	4.4	7.2	19.3	10.1
09:00	.16	7.3	7.3	6.9	6.7	8.5	22.2	17.7
10:00	.06	9.4	9.6	11.0	9.7	12.0	19.1	15.5
11:00	-.34	6.6	9.4	7.8	7.8	7.9	19.8	16.4
12:00	-.15	13.5	15.3	13.5	14.8	14.8	16.9	14.2
13:00	-.47	14.4	14.4	15.3	13.7	16.9	19.9	15.7
14:00	-.57	20.2	18.5	18.1	18.3	20.4	23.8	18.3
15:00	-.19	13.1	15.8	17.6	14.9	21.6	22.2	19.7
16:00	-.04	13.1	14.0	16.3	14.9	16.2	24.4	19.8
17:00	-.53	14.0	18.1	18.3	16.1	20.0	23.2	18.8
18:00	-.20	12.4	14.7	16.9	12.1	17.2	17.9	11.0
19:00	-.26	8.9	10.5	13.5	9.5	13.4	16.4	8.9
20:00	-.18	10.5	9.8	12.6	7.6	10.9	12.2	7.1
21:00	-.06	3.4	7.3	11.7	3.2	9.3	15.8	25.7
22:00	.03	2.3	1.6	2.3	2.1	2.5	6.6	8.7
23:00	.00	3.0	3.4	4.4	3.3	4.4	7.9	9.0
Avg	-.10	7.8	9.0	10.2	7.9	10.3	15.3	11.6
Max	.16	20.2	18.5	18.3	18.3	21.6	24.4	25.7
Hr. of Max	09	14	14	17	14	15	16	21
Min	-.57	1.6	1.6	2.3	1.8	2.5	5.8	2.8
Count	24	24	24	24	24	24	24	24
Total								