Date Printed: 08/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2015

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	19.6	21.1	21.7	22.7	1.48	2.10	3.07	.62	1.59
01:00	19.5	20.1	21.0	22.3	.58	1.46	2.80	.88	2.22
02:00	19.6	20.2	20.7	21.9	.63	1.18	2.31	.56	1.69
03:00	19.6	20.0	20.5	21.4	.34	.82	1.74	.48	1.39
04:00	19.6	19.9	20.7	21.4	.38	1.18	1.79	.80	1.42
05:00	19.6	20.1	20.5	21.1	.54	.91	1.49	.37	.94
06:00	19.5	19.9	20.2	20.6	.44	.77	1.19	.33	.75
07:00	19.5	20.0	20.1	20.3	.49	.58	.81	.09	.32
08:00	20.4	20.5	20.4	20.5	.04	-.03	.00	-.07	-.04
09:00	21.7	21.5	21.3	21.2	-.23	-.45	-.55	-.23	-.32
10:00	22.8	22.4	22.2	22.1	-.32	-.57	-.68	-.26	-.37
11:00	23.4	23.0	22.7	22.6	-.41	-.66	-.77	-.25	-.36
12:00	24.6	24.0	23.8	23.6	-.54	-.83	-.94	-.29	-.39
13:00	25.3	24.7	24.4	24.3	-.61	-.84	-.98	-.23	-.37
14:00	26.3	25.5	25.2	25.0	-.78	-1.12	-1.27	-.33	-.48
15:00	26.3	25.8	25.6	25.5	-.48	-.76	-.87	-.29	-.39
16:00	26.1	25.7	25.5	25.4	-.44	-.63	-.69	-.19	-.25
17:00	25.8	25.5	25.3	25.3	-.32	-.50	-.55	-.18	-.22
18:00	24.9	24.8	24.8	24.9	-.13	-.16	-.04	-.04	.08
19:00	23.5	23.6	23.9	24.3	.12	.42	.75	.30	.64
20:00	22.7	23.1	23.3	23.5	.41	.61	.80	.20	.39
21:00	21.8	22.5	22.8	23.0	.72	.98	1.20	.27	.48
22:00	21.1	21.7	22.2	22.7	.64	1.16	1.57	.52	.93
23:00	20.6	21.3	21.6	21.9	.72	1.02	1.30	.30	.58
Avg	22.2	22.4	22.5	22.8	.14	.28	.56	.14	.43
Max	26.3	25.8	25.6	25.5	1.48	2.10	3.07	.88	2.22
Hr. of Max	15	15	15	15	00	00	00	01	01
Min	19.5	19.9	20.1	20.3	-.78	-1.12	-1.27	-.33	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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8/30/2015

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	17.7	18.3	18.3	25.3	90.5	86.1	15.0	15.6	0.013024
01:00	17.7	18.3	18.3	25.2	91.3	91.2	15.1	15.6	0.013062
02:00	17.8	18.4	18.4	25.1	91.7	91.6	15.2	15.7	0.013148
03:00	17.9	18.5	18.5	25.0	91.9	93.0	15.3	15.8	0.013246
04:00	18.0	18.5	18.5	24.9	92.7	93.3	15.3	15.8	0.013307
05:00	18.0	18.5	18.6	24.8	93.0	92.5	15.4	15.8	0.013334
06:00	18.0	18.4	18.5	24.7	93.2	93.5	15.3	15.7	0.013279
07:00	18.2	18.6	18.6	24.6	94.1	93.4	15.5	15.8	0.013456
08:00	18.7	18.7	19.3	24.5	91.8	91.6	16.0	16.0	0.0139
09:00	18.9	18.7	19.8	24.5	85.8	85.8	16.1	15.9	0.014055
10:00	18.9	18.7	20.2	24.4	80.6	81.3	16.0	15.9	0.01404
11:00	18.6	18.4	20.2	24.4	76.3	77.0	15.7	15.5	0.013832
12:00	18.0	17.5	20.2	24.4	68.6	68.3	15.1	14.6	0.013341
13:00	18.6	18.1	20.8	24.4	68.1	68.5	15.6	15.2	0.013827
14:00	18.1	17.6	20.8	24.5	62.2	63.4	15.1	14.7	0.013408
15:00	17.7	17.4	20.6	24.6	60.5	61.2	14.7	14.5	0.013091
16:00	18.3	17.9	20.9	24.8	63.7	63.9	15.3	15.0	0.013605
17:00	19.0	18.7	21.3	24.8	67.7	67.8	16.0	15.7	0.014223
18:00	20.0	19.7	21.7	24.9	76.4	75.4	17.1	16.8	0.015209
19:00	20.2	20.1	21.3	25.0	83.9	82.5	17.4	17.2	0.015361
20:00	19.8	19.6	20.7	25.0	85.9	82.9	17.0	16.8	0.01493
21:00	19.0	18.3	19.9	25.0	86.2	78.8	16.2	15.4	0.014186
22:00	18.6	18.1	19.4	25.0	87.7	81.6	15.8	15.3	0.013833
23:00	18.2	18.0	19.0	24.9	88.3	83.7	15.5	15.3	0.013473
Avg	18.5	18.5	19.7	24.8	82.2	81.2	15.7	15.7	0.013757
Max	20.2	20.1	21.7	25.3	94.1	93.5	17.4	17.2	0.015361
Hr. of Max	19	19	18	00	07	06	19	19	19
Min	17.7	17.4	18.3	24.4	60.5	61.2	14.7	14.5	0.013024
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2015

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	0.01358	20.3	21.1	.00	29.22	989.5	-3.5	.00	280.7
01:00	0.013524	20.4	21.1	.00	29.22	989.4	-2.2	.00	258.1
02:00	0.013651	20.5	21.2	.00	29.20	989.0	-1.4	.00	248.7
03:00	0.013699	20.6	21.3	.00	29.20	988.8	-1.2	.00	244.7
04:00	0.013706	20.7	21.3	.00	29.20	988.8	-2.8	.00	253.5
05:00	0.013727	20.8	21.4	.00	29.20	989.0	-2.4	.00	288.6
06:00	0.013679	20.7	21.3	.00	29.21	989.3	-1.4	.00	297.0
07:00	0.013765	21.0	21.4	.00	29.22	989.7	5.5	.01	25.9
08:00	0.013896	21.6	21.6	.00	29.23	989.9	52.0	.07	49.8
09:00	0.013861	21.9	21.6	.00	29.24	990.3	189.3	.27	69.6
10:00	0.013891	21.9	21.6	.00	29.25	990.5	210.2	.30	66.4
11:00	0.013623	21.6	21.2	.00	29.25	990.6	266.1	.38	80.0
12:00	0.012855	20.8	20.1	.00	29.25	990.6	399.5	.57	125.3
13:00	0.01341	21.5	20.9	.00	29.24	990.1	436.0	.63	205.1
14:00	0.013047	20.9	20.3	.00	29.21	989.3	583.8	.84	67.8
15:00	0.012866	20.4	20.0	.00	29.20	988.8	367.7	.53	65.9
16:00	0.013311	21.2	20.7	.00	29.18	988.3	225.1	.32	326.9
17:00	0.013968	22.1	21.7	.00	29.17	988.0	174.2	.25	238.3
18:00	0.014899	23.6	23.1	.00	29.15	987.3	91.5	.13	245.2
19:00	0.015219	23.8	23.6	.00	29.15	987.3	16.0	.02	251.2
20:00	0.014769	23.2	22.9	.00	29.17	988.0	-.7	.00	234.0
21:00	0.013548	22.0	21.1	.00	29.19	988.6	-2.4	.00	260.9
22:00	0.013395	21.5	20.8	.00	29.19	988.6	-3.1	.00	302.9
23:00	0.01334	21.0	20.8	.00	29.19	988.6	-.9	.00	302.2
Avg	0.013718	21.4	21.3	.00	29.21	989.1	124.8	.18	280.0
Max	0.015219	23.8	23.6	.00	29.25	990.6	583.8	.84	326.9
Hr. of Max	19	19	19	23	12	12	14	14	16
Min	0.012855	20.3	20.0	.00	29.15	987.3	-3.5	.00	25.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2015

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	122.9	275.2	282.4	273.8	36.4	32.7	27.8	.8	.4
01:00	219.6	261.9	255.8	261.4	31.4	21.3	15.9	.9	2.5
02:00	208.1	251.1	247.0	242.3	29.9	19.7	13.1	1.3	1.8
03:00	212.3	227.4	248.0	227.8	14.9	10.2	9.4	2.0	2.6
04:00	241.2	258.3	255.0	258.5	24.0	24.7	12.0	1.4	1.7
05:00	175.5	243.4	288.8	239.1	18.5	25.4	4.9	.8	.8
06:00	114.3	355.3	290.1	91.3	25.5	31.4	32.5	.6	.1
07:00	66.3	65.5	35.6	63.8	46.3	12.8	9.2	1.1	1.6
08:00	59.6	58.4	56.6	54.8	24.5	11.1	7.2	1.7	3.6
09:00	63.8	58.3	76.5	56.8	28.5	21.7	16.4	1.5	1.9
10:00	60.1	55.4	67.7	52.8	28.8	22.9	20.5	2.2	2.8
11:00	81.0	79.9	85.2	76.4	26.8	18.8	16.1	2.8	3.4
12:00	119.5	118.2	126.2	115.9	24.5	21.8	28.1	2.0	2.2
13:00	199.5	206.9	210.7	206.2	69.4	64.9	66.3	1.2	1.2
14:00	55.2	50.0	73.0	47.4	51.2	34.1	30.2	2.5	3.4
15:00	59.6	56.0	66.5	52.4	34.8	23.6	20.2	2.7	4.0
16:00	349.1	348.8	326.7	344.1	32.4	25.4	21.2	1.5	2.2
17:00	243.9	249.3	240.2	248.2	17.7	17.1	14.8	1.4	1.6
18:00	128.9	119.2	240.7	116.3	41.1	32.4	31.5	.5	.6
19:00	185.8	159.8	251.2	160.0	16.2	31.0	14.1	1.1	1.9
20:00	218.6	210.6	236.2	211.7	27.8	17.8	13.1	1.5	3.1
21:00	241.9	226.5	260.9	228.4	28.0	17.2	12.6	1.5	3.2
22:00	87.6	274.4	296.9	264.2	12.3	31.0	11.9	.4	.2
23:00	123.8	145.5	301.4	142.9	35.7	20.3	26.1	.7	.6
Avg	135.0	202.0	275.0	175.0	30.3	24.6	19.8	.0	.0
Max	349.1	355.3	326.7	344.1	69.4	64.9	66.3	2.8	4.0
Hr. of Max	16	06	16	16	13	13	13	11	15
Min	55.2	50.0	35.6	47.4	12.3	10.2	4.9	.4	.1
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)

8/30/2015

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	1.8	1.2	1.0	2.1	1.4	2.3	-.1	-.1	-.02
01:00	2.4	.9	2.5	2.4	1.4	2.6	2.0	.9	.02
02:00	2.1	1.4	1.9	2.2	1.8	2.5	-.8	-.5	-.06
03:00	2.6	2.1	2.7	2.6	2.5	2.9	-1.1	.2	-.06
04:00	2.3	1.6	1.9	2.4	1.9	2.6	1.9	-.1	.04
05:00	1.3	.9	.9	1.3	1.2	1.5	.1	-.6	.00
06:00	.1	.6	.1	.1	.9	.6	1.9	-1.3	.02
07:00	2.3	1.2	1.7	2.3	1.3	2.6	.4	1.8	-.03
08:00	4.5	1.9	3.7	4.6	2.2	4.8	-4.0	-1.0	-.23
09:00	2.5	1.7	2.0	2.6	2.2	2.9	1.8	9.9	.08
10:00	3.2	2.5	3.0	3.4	2.8	3.7	-.5	4.3	-.12
11:00	3.9	3.1	3.8	4.3	3.5	4.6	1.3	2.0	.01
12:00	2.2	2.2	2.4	2.4	2.7	2.9	.5	-5.3	.06
13:00	1.1	1.8	1.6	1.6	2.2	2.3	-9.8	-19.7	-.34
14:00	3.8	3.5	4.3	4.5	4.0	5.0	.4	-1.6	-.10
15:00	4.7	3.2	4.4	5.0	3.6	5.5	-.9	.3	-.21
16:00	2.5	2.1	2.7	3.0	2.3	3.3	-3.4	-3.1	-.24
17:00	1.7	2.0	2.6	2.7	2.4	2.9	-1.8	-3.2	-.11
18:00	1.3	.9	1.0	1.7	1.3	2.1	6.9	11.8	.17
19:00	3.3	1.5	2.0	3.5	1.7	3.8	2.1	2.6	.04
20:00	4.7	1.9	3.5	4.9	2.2	5.2	-.4	-.4	-.06
21:00	4.1	1.9	3.4	4.3	2.1	4.6	-2.2	-1.7	-.11
22:00	1.2	.4	.5	1.3	.6	1.5	.4	-1.1	.01
23:00	1.1	1.1	1.2	1.8	1.4	2.1	1.5	.8	.00
Avg	.0	1.7	2.3	2.8	2.1	3.1	-.2	-.2	-.05
Max	4.7	3.5	4.4	5.0	4.0	5.5	6.9	11.8	.17
Hr. of Max	20	14	15	15	14	15	18	18	18
Min	.1	.4	.1	.1	.6	.6	-9.8	-19.7	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/30/2015

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	-.04	3.0	4.4	5.0	3.2	5.5	8.3	11.1
01:00	.03	3.0	5.0	6.4	4.0	6.9	10.0	6.2
02:00	-.02	3.2	3.9	6.0	3.9	6.4	6.8	4.8
03:00	.00	4.4	5.7	5.0	4.5	5.5	6.1	5.5
04:00	-.01	5.0	5.0	6.6	3.7	4.2	5.9	4.7
05:00	-.01	5.5	6.6	5.0	3.3	3.4	6.7	4.0
06:00	-.01	1.4	1.6	.9	1.8	1.1	7.4	7.4
07:00	.07	4.1	4.6	4.6	3.3	4.9	8.8	4.7
08:00	-.12	4.6	8.7	8.7	5.6	7.0	15.9	5.6
09:00	.48	4.6	5.5	6.0	5.4	6.3	20.0	16.8
10:00	.19	6.6	7.6	6.2	7.7	6.5	22.4	17.8
11:00	.10	7.8	8.0	7.6	8.0	8.5	19.9	15.8
12:00	-.20	6.2	6.2	6.0	6.3	6.3	23.5	26.8
13:00	-.81	4.8	4.8	5.7	5.8	6.4	27.9	31.5
14:00	-.10	11.0	11.4	10.5	12.7	12.1	23.0	22.5
15:00	-.01	10.1	12.8	11.7	9.6	11.0	22.1	15.6
16:00	-.19	9.4	8.2	6.4	6.0	6.1	19.5	10.9
17:00	-.17	6.2	6.6	7.8	4.6	4.8	14.9	9.3
18:00	.42	4.4	6.9	7.3	4.2	4.8	19.8	17.6
19:00	.12	6.9	7.6	8.9	7.7	9.6	12.5	11.0
20:00	-.07	7.1	13.3	12.1	6.4	10.3	13.1	6.0
21:00	-.14	4.4	5.3	8.7	4.5	6.7	9.9	4.1
22:00	-.02	1.4	3.4	6.0	1.6	4.9	7.7	7.7
23:00	.02	4.1	6.0	6.6	4.8	6.7	7.3	9.3
Avg	-.02	5.4	6.6	6.9	5.4	6.5	14.1	11.5
Max	.48	11.0	13.3	12.1	12.7	12.1	27.9	31.5
Hr. of Max	09	14	20	20	14	14	13	13
Min	-.81	1.4	1.6	.9	1.6	1.1	5.9	4.0
Count	24	24	24	24	24	24	24	24
Total								