Date Printed: 07/15/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2015

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	23.8	24.5	24.8	25.0	.64	.95	1.20	.32	.56
01:00	23.4	24.2	24.4	24.8	.77	1.00	1.38	.23	.60
02:00	23.5	24.0	24.0	24.1	.48	.50	.58	.02	.10
03:00	23.6	23.7	23.6	23.6	.02	-.05	.00	-.07	-.02
04:00	23.3	23.3	23.3	23.5	.04	.08	.22	.04	.19
05:00	23.0	23.2	23.4	23.8	.18	.36	.75	.18	.56
06:00	23.2	23.4	23.6	23.8	.22	.36	.63	.14	.40
07:00	23.5	23.5	23.8	24.2	.02	.35	.71	.33	.69
08:00	24.1	24.1	24.2	24.3	.07	.15	.27	.07	.19
09:00	21.9	21.9	21.8	21.8	.03	-.11	-.14	-.14	-.17
10:00	20.0	20.0	19.9	19.9	.02	-.10	-.09	-.11	-.11
11:00	21.2	20.8	20.6	20.5	-.39	-.62	-.70	-.23	-.30
12:00	23.7	23.0	22.8	22.7	-.71	-.95	-1.07	-.24	-.36
13:00	26.3	25.4	25.1	25.0	-.94	-1.26	-1.34	-.33	-.40
14:00	27.1	26.6	26.4	26.3	-.47	-.69	-.72	-.23	-.25
15:00	25.1	25.3	25.3	25.4	.14	.18	.29	.04	.14
16:00	23.0	22.9	22.9	22.9	-.04	-.09	-.06	-.06	-.02
17:00	22.6	22.6	22.5	22.6	-.06	-.15	-.08	-.09	-.02
18:00	21.4	21.3	21.2	21.3	-.12	-.22	-.17	-.10	-.06
19:00	21.5	21.4	21.3	21.3	-.12	-.24	-.19	-.12	-.07
20:00	21.4	21.4	21.3	21.5	-.02	-.06	.05	-.04	.08
21:00	21.0	21.1	21.1	21.4	.11	.19	.42	.08	.31
22:00	20.9	21.0	21.1	21.3	.18	.25	.43	.07	.25
23:00	21.2	21.2	21.2	21.4	.05	.04	.19	-.01	.14
Avg	22.9	22.9	22.9	23.0	.00	-.01	.11	-.01	.10
Max	27.1	26.6	26.4	26.3	.77	1.00	1.38	.33	.69
Hr. of Max	14	14	14	14	01	01	01	07	07
Min	20.0	20.0	19.9	19.9	-.94	-1.26	-1.34	-.33	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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7/14/2015

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	22.5	23.5	23.0	28.2	95.2	97.3	20.0	21.2	0.017919
01:00	22.1	23.3	22.5	27.9	95.0	97.8	19.5	20.9	0.01742
02:00	22.4	23.1	22.7	27.7	96.0	97.7	19.8	20.7	0.017705
03:00	22.4	22.8	22.8	27.5	95.5	97.8	19.9	20.3	0.017776
04:00	22.1	22.6	22.5	27.3	95.8	98.4	19.5	20.1	0.017439
05:00	21.9	22.4	22.3	27.1	95.7	98.1	19.2	19.9	0.017193
06:00	21.9	22.2	22.4	27.0	95.1	95.5	19.3	19.6	0.017249
07:00	22.2	22.3	22.6	26.8	95.1	95.8	19.6	19.7	0.017501
08:00	22.5	22.3	23.0	26.7	93.5	92.0	19.9	19.7	0.017833
09:00	18.5	18.5	19.6	26.6	82.8	82.6	15.7	15.7	0.013844
10:00	18.5	18.7	19.0	26.2	93.3	94.7	15.8	16.0	0.013829
11:00	19.1	18.7	19.8	25.4	89.9	89.6	16.3	15.9	0.014391
12:00	19.7	19.0	21.0	25.1	80.1	79.9	16.8	16.1	0.014976
13:00	20.6	20.0	22.5	25.3	73.0	74.3	17.7	17.1	0.015948
14:00	21.2	21.0	23.2	25.9	72.7	73.4	18.3	18.1	0.016574
15:00	22.1	21.9	23.1	26.3	85.9	84.1	19.4	19.1	0.017479
16:00	21.5	21.7	22.0	26.6	93.9	95.1	18.8	19.0	0.016819
17:00	21.3	21.4	21.7	26.5	94.6	95.5	18.6	18.7	0.016606
18:00	19.9	19.9	20.4	26.3	93.3	94.1	17.2	17.2	0.01521
19:00	20.0	20.0	20.5	26.1	93.4	94.2	17.3	17.3	0.015304
20:00	19.9	20.0	20.4	25.9	93.6	94.1	17.2	17.2	0.015214
21:00	19.8	19.9	20.2	25.8	95.1	95.6	17.0	17.2	0.015051
22:00	19.7	19.9	20.1	25.6	95.6	95.7	17.0	17.2	0.015034
23:00	19.9	20.0	20.3	25.5	94.9	95.3	17.2	17.3	0.015207
Avg	20.9	21.0	21.6	26.5	91.2	92.0	18.2	18.4	0.01623
Max	22.5	23.5	23.2	28.2	96.0	98.4	20.0	21.2	0.017919
Hr. of Max	08	00	14	00	02	04	00	00	00
Min	18.5	18.5	19.0	25.1	72.7	73.4	15.7	15.7	0.013829
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)

7/14/2015

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	0.019035	27.4	29.1	.00	28.90	978.7	-2.4	.00	344.1
01:00	0.018794	26.7	28.7	.00	28.90	978.8	-2.4	.00	15.9
02:00	0.018555	27.1	28.4	.00	28.91	978.9	-2.5	.00	48.2
03:00	0.018228	27.2	27.9	.00	28.90	978.7	-1.8	.00	2.7
04:00	0.017966	26.7	27.5	.00	28.87	977.8	-2.3	.00	245.2
05:00	0.017812	26.3	27.2	.00	28.88	977.9	-2.4	.00	233.1
06:00	0.017553	26.4	26.9	.00	28.91	978.9	-1.0	.00	297.0
07:00	0.017648	26.8	27.0	.00	28.92	979.4	30.6	.04	287.7
08:00	0.017619	27.3	27.0	.00	28.93	979.7	46.9	.07	25.3
09:00	0.013837	21.4	21.3	.05	28.96	980.7	10.0	.01	61.5
10:00	0.014042	21.3	21.7	.81	28.98	981.4	14.4	.02	85.2
11:00	0.014001	22.2	21.6	.00	28.96	980.9	501.1	.72	96.5
12:00	0.014306	23.0	22.0	.00	28.93	979.8	772.6	1.11	243.7
13:00	0.015346	24.5	23.6	.00	28.90	978.9	1028.2	1.47	221.6
14:00	0.016304	25.4	25.0	.00	28.87	977.8	450.5	.65	238.5
15:00	0.017241	26.7	26.4	.02	28.87	977.7	11.1	.02	14.2
16:00	0.016989	25.7	26.0	.27	28.84	976.7	4.6	.01	260.7
17:00	0.016714	25.4	25.6	.00	28.84	976.6	9.3	.01	218.8
18:00	0.015224	23.3	23.3	.00	28.86	977.2	25.1	.04	216.1
19:00	0.01532	23.5	23.5	.00	28.87	977.8	71.2	.10	212.5
20:00	0.015278	23.3	23.4	.00	28.87	977.7	16.5	.02	238.1
21:00	0.01523	23.1	23.4	.00	28.86	977.5	-2.2	.00	240.6
22:00	0.015223	23.1	23.4	.00	28.87	977.7	-2.0	.00	256.7
23:00	0.015313	23.3	23.5	.01	28.89	978.3	-2.0	.00	218.4
Avg	0.016399	24.9	25.1	.05	28.90	978.6	123.8	.18	264.0
Max	0.019035	27.4	29.1	.81	28.98	981.4	1028.2	1.47	344.1
Hr. of Max	00	00	00	10	10	10	13	13	00
Min	0.013837	21.3	21.3	.00	28.84	976.6	-2.5	.00	2.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2015

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	65.8	129.2	328.8	131.6	35.2	48.3	41.1	.5	.4
01:00	64.4	82.6	12.2	73.3	28.8	17.2	42.8	.4	.8
02:00	47.3	47.4	51.1	42.8	20.4	12.7	8.6	1.4	2.9
03:00	41.1	77.8	350.9	72.6	27.6	33.1	31.2	.6	1.1
04:00	240.7	211.5	248.7	214.1	18.7	12.6	13.9	1.6	2.2
05:00	250.3	249.7	240.1	251.0	32.7	11.1	7.7	1.6	3.5
06:00	137.3	170.4	293.3	175.3	30.5	22.4	24.9	.2	.5
07:00	55.7	153.7	284.4	152.0	36.1	23.8	48.4	.5	.5
08:00	80.7	124.7	17.0	124.7	41.8	54.5	39.0	1.3	1.9
09:00	58.6	57.5	63.0	53.5	34.4	22.8	16.1	5.8	11.1
10:00	94.8	92.2	88.8	88.5	47.0	39.5	34.3	4.4	7.2
11:00	95.9	96.3	98.1	93.6	33.0	34.4	32.8	3.0	4.0
12:00	236.9	233.1	248.0	234.6	52.8	47.3	45.3	2.3	3.2
13:00	228.5	225.3	227.1	227.4	25.4	19.7	15.0	5.9	7.9
14:00	241.2	234.3	243.7	236.5	29.5	20.8	16.7	5.0	7.5
15:00	16.2	16.0	15.5	10.4	35.5	20.5	21.3	2.2	4.5
16:00	271.5	177.4	261.7	239.5	62.9	50.7	39.0	.6	.9
17:00	224.5	218.8	226.5	221.2	28.5	18.9	15.3	3.1	5.3
18:00	218.9	212.4	220.7	214.6	38.1	16.7	11.7	2.4	4.3
19:00	213.5	208.0	218.2	209.7	26.7	19.2	11.9	3.2	5.4
20:00	236.8	230.2	241.8	232.2	30.3	17.6	11.3	2.7	5.2
21:00	239.8	229.2	245.1	231.1	26.4	13.7	9.0	2.2	4.4
22:00	246.8	234.1	258.0	235.9	29.2	13.9	9.1	1.9	3.9
23:00	226.3	222.3	223.0	224.7	24.2	15.4	10.9	2.2	4.4
Avg	206.0	182.0	268.0	192.0	33.2	25.3	23.2	.0	.0
Max	271.5	249.7	350.9	251.0	62.9	54.5	48.4	5.9	11.1
Hr. of Max	16	05	03	05	16	08	07	13	09
Min	16.2	16.0	12.2	10.4	18.7	11.1	7.7	.2	.4
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)

7/14/2015

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	.8	.6	.5	.9	1.0	1.3	2.1	-.1	.06
01:00	.5	.5	.9	.7	1.0	1.1	.4	-2.3	.01
02:00	3.9	1.4	3.1	4.0	1.8	4.3	-4.6	-.2	-.18
03:00	1.4	1.2	1.3	1.6	1.6	1.9	-2.7	-.3	-.11
04:00	2.4	1.8	2.4	2.5	2.1	2.8	-2.4	-.6	-.10
05:00	5.5	1.7	3.6	5.6	2.1	5.9	.1	1.3	-.02
06:00	1.3	1.5	2.4	3.1	1.9	3.4	-1.1	.4	-.06
07:00	.7	.8	.7	.8	1.1	1.2	2.1	-.6	.02
08:00	2.1	1.6	2.3	3.3	2.0	3.8	.2	-.2	-.04
09:00	15.0	6.7	11.8	15.5	7.6	16.1	-.3	.7	-.32
10:00	9.8	5.7	9.0	11.7	6.4	12.5	-1.1	-1.2	-.28
11:00	4.8	3.4	4.5	5.3	4.1	5.8	.8	.4	-.08
12:00	3.7	3.1	3.7	4.3	3.7	4.9	-2.9	-2.9	-.26
13:00	9.2	6.4	8.3	9.5	7.0	10.2	1.2	-.1	-.15
14:00	8.8	5.7	8.0	9.1	6.4	9.7	-1.5	-.7	-.40
15:00	5.3	2.9	5.4	6.6	3.1	6.9	-1.0	.9	-.19
16:00	.9	4.5	6.9	8.2	5.0	8.8	.6	.0	-.16
17:00	7.1	4.0	6.4	8.1	4.4	8.5	1.9	1.4	-.05
18:00	5.8	2.7	4.5	6.0	3.2	6.5	.6	.9	-.09
19:00	7.8	3.5	5.7	8.0	4.0	8.5	1.7	1.0	-.05
20:00	7.4	3.0	5.5	7.6	3.6	8.1	-.9	1.0	-.13
21:00	6.5	2.5	4.6	6.7	2.9	7.1	-.7	1.4	-.08
22:00	5.7	2.1	4.0	5.8	2.5	6.2	-1.8	.8	-.11
23:00	6.4	2.4	4.5	6.5	2.9	7.0	-.9	.6	-.10
Avg	.0	2.9	4.6	5.9	3.4	6.4	-.4	.1	-.12
Max	15.0	6.7	11.8	15.5	7.6	16.1	2.1	1.4	.06
Hr. of Max	09	09	09	09	09	09	07	21	00
Min	.5	.5	.5	.7	1.0	1.1	-4.6	-2.9	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/14/2015

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	-.01	1.8	3.7	4.6	2.4	3.8	9.7	14.4
01:00	-.02	3.4	3.0	3.0	2.2	3.3	11.2	16.1
02:00	-.02	4.6	6.4	6.2	5.0	6.2	13.7	5.9
03:00	-.04	3.0	5.0	4.1	3.1	4.2	11.4	10.5
04:00	-.04	4.4	4.8	5.5	4.8	5.9	6.6	6.3
05:00	.12	4.4	8.7	9.4	5.5	9.7	9.7	4.1
06:00	.05	4.1	6.0	9.8	3.5	5.8	10.4	5.6
07:00	-.01	2.3	2.3	4.1	3.0	4.3	9.3	16.4
08:00	-.12	17.2	21.1	21.1	17.5	24.3	17.6	22.0
09:00	-.04	20.2	28.4	36.2	21.1	31.9	21.2	10.1
10:00	-.43 -	24.0	33.4	36.6	20.2	108.8	20.0	14.3
11:00	-.12	12.1	14.4	15.6	14.3	15.2	22.3	22.0
12:00	-.19	11.7	12.1	11.9	12.9	13.1	25.0	21.8
13:00	-.16	16.0	16.0	16.7	16.8	18.1	18.9	13.2
14:00	-.25	18.1	20.8	21.8	17.3	21.2	16.4	9.7
15:00	.10	13.1	18.8	26.1	19.8	59.9	17.8	7.0
16:00	-.02	17.4	35.0	46.5	17.1	70.9	18.3	11.6
17:00	.13	10.8	14.7	18.1	12.7	17.6	18.2	8.5
18:00	.03	9.6	13.3	16.7	8.7	13.1	15.6	8.0
19:00	.03	11.2	14.4	18.5	12.9	18.8	18.5	8.8
20:00	.11	7.6	11.7	21.3	10.4	16.4	14.8	5.6
21:00	.15	6.4	8.2	12.1	6.0	11.4	11.0	4.5
22:00	.08	5.5	9.2	11.9	6.8	11.3	12.7	4.9
23:00	.04	7.3	10.5	14.9	8.6	15.5	12.4	6.1
Avg	-.03	9.8	13.4	16.4	10.5	21.3	15.1	10.7
Max	.15	24.0	35.0	46.5	21.1	108.8	25.0	22.0
Hr. of Max	21	10	16	16	09	10	12	11
Min	-.43	1.8	2.3	3.0	2.2	3.3	6.6	4.1
Count	24	24	24	24	24	24	24	24
Total								