Date Printed: 07/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/30/2015

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	19.3	19.5	19.5	19.6	.18	.20	.29	.02	.11
01:00	18.8	18.8	18.9	19.0	.02	.10	.24	.08	.22
02:00	18.7	18.8	18.7	18.9	.02	.01	.20	-.01	.18
03:00	18.8	18.7	18.6	18.7	-.05	-.14	-.06	-.09	-.01
04:00	18.3	18.3	18.2	18.3	.02	-.05	.03	-.07	.00
05:00	17.6	17.6	17.5	17.7	-.03	-.09	.06	-.06	.09
06:00	17.7	17.8	17.8	18.0	.06	.12	.29	.06	.22
07:00	17.8	17.8	17.9	18.1	.03	.04	.25	.02	.23
08:00	18.7	18.5	18.3	18.4	-.21	-.35	-.34	-.13	-.13
09:00	20.8	20.4	20.1	20.0	-.40	-.70	-.78	-.30	-.38
10:00	22.6	22.2	22.0	21.9	-.43	-.65	-.75	-.22	-.32
11:00	23.9	23.4	23.1	23.0	-.51	-.81	-.91	-.31	-.40
12:00	25.3	24.7	24.5	24.4	-.57	-.83	-.94	-.26	-.37
13:00	25.6	25.2	25.0	24.9	-.39	-.63	-.70	-.25	-.31
14:00	24.3	24.3	24.3	24.4	.05	.05	.14	.00	.09
15:00	19.8	19.5	19.3	19.4	-.32	-.47	-.41	-.15	-.08
16:00	22.2	21.9	21.8	21.8	-.27	-.40	-.35	-.13	-.08
17:00	21.3	21.0	20.8	20.8	-.32	-.51	-.53	-.19	-.21
18:00	22.1	21.9	21.6	21.6	-.24	-.51	-.53	-.26	-.29
19:00	22.1	22.0	21.9	21.9	-.13	-.26	-.24	-.13	-.11
20:00	20.5	20.7	20.9	21.1	.18	.35	.58	.17	.39
21:00	19.5	19.6	20.1	20.5	.14	.63	1.05	.49	.91
22:00	19.2	19.3	19.6	19.9	.13	.40	.67	.27	.54
23:00	19.3	19.5	19.7	19.9	.18	.37	.61	.19	.43
Avg	20.6	20.5	20.4	20.5	-.12	-.17	-.09	-.05	.03
Max	25.6	25.2	25.0	24.9	.18	.63	1.05	.49	.91
Hr. of Max	13	13	13	13	23	21	21	21	21
Min	17.6	17.6	17.5	17.7	-.57	-.83	-.94	-.31	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/30/2015

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	17.9	17.9	18.4	24.8	94.0	92.7	15.3	15.2	0.013321
01:00	17.6	17.4	18.0	24.5	94.7	93.6	15.0	14.8	0.013024
02:00	17.6	17.7	18.0	24.2	95.1	95.5	15.0	15.1	0.013031
03:00	17.5	17.7	17.9	23.8	94.4	95.5	14.9	15.0	0.012963
04:00	17.0	17.0	17.4	23.4	94.0	94.0	14.4	14.4	0.012518
05:00	16.5	16.5	16.9	23.0	94.9	95.3	14.0	14.1	0.01213
06:00	16.7	16.8	17.0	22.7	95.8	96.2	14.2	14.3	0.012286
07:00	16.9	16.9	17.2	22.5	95.9	96.2	14.3	14.4	0.012406
08:00	17.6	17.5	18.0	22.3	95.5	96.2	15.0	14.9	0.013043
09:00	18.5	17.8	19.2	22.2	88.7	87.4	15.7	15.1	0.01377
10:00	18.6	17.9	19.9	22.3	79.8	78.5	15.7	15.1	0.013884
11:00	19.3	18.7	20.8	22.6	77.4	76.8	16.4	15.8	0.014527
12:00	19.5	19.0	21.4	23.1	72.2	72.3	16.6	16.1	0.014752
13:00	20.0	19.7	21.9	23.7	73.2	73.2	17.1	16.7	0.015275
14:00	20.7	20.3	21.9	24.1	83.0	80.6	17.9	17.4	0.015918
15:00	17.7	17.3	18.4	24.5	89.6	89.1	15.0	14.7	0.013123
16:00	18.8	18.1	19.9	24.3	83.4	81.1	16.0	15.4	0.014131
17:00	19.2	18.8	19.9	24.3	89.5	89.6	16.4	16.1	0.014415
18:00	19.4	19.2	20.3	24.4	86.5	86.5	16.6	16.4	0.014659
19:00	19.8	19.6	20.6	24.4	89.0	88.2	17.0	16.8	0.015053
20:00	18.6	18.3	19.2	24.4	90.5	87.8	15.8	15.5	0.013869
21:00	18.3	18.4	18.7	24.4	95.0	94.7	15.6	15.7	0.013619
22:00	18.2	18.4	18.5	24.2	95.8	96.3	15.5	15.7	0.013516
23:00	18.3	18.5	18.6	24.0	96.3	96.5	15.7	15.8	0.013641
Avg	18.3	18.1	19.1	23.7	89.3	88.9	15.6	15.4	0.013703
Max	20.7	20.3	21.9	24.8	96.3	96.5	17.9	17.4	0.015918
Hr. of Max	14	14	14	00	23	23	14	14	14
Min	16.5	16.5	16.9	22.2	72.2	72.3	14.0	14.1	0.01213
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)

6/30/2015

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	0.01329	20.6	20.6	.06	29.05	983.9	-2.3	.00	51.2
01:00	0.012886	20.2	20.0	.00	29.05	983.7	-1.7	.00	331.1
02:00	0.013103	20.2	20.3	.37	29.05	983.6	-2.1	.00	33.9
03:00	0.01307	20.1	20.2	.18	29.05	983.7	-2.5	.00	290.2
04:00	0.01253	19.4	19.4	.05	29.04	983.3	-2.0	.00	200.7
05:00	0.012157	18.8	18.9	.19	29.05	983.7	-2.3	.00	243.8
06:00	0.012378	19.1	19.2	.01	29.05	983.9	-1.5	.00	269.4
07:00	0.012465	19.2	19.3	.00	29.06	984.0	23.6	.03	357.3
08:00	0.012956	20.2	20.1	.00	29.07	984.3	142.1	.20	260.7
09:00	0.013226	21.3	20.5	.00	29.07	984.6	470.8	.67	132.5
10:00	0.013295	21.5	20.6	.00	29.07	984.5	501.5	.72	185.2
11:00	0.013983	22.5	21.6	.00	29.07	984.3	528.7	.76	217.0
12:00	0.014287	22.8	22.1	.00	29.06	984.3	595.9	.85	229.2
13:00	0.014928	23.6	23.0	.00	29.03	983.2	394.0	.56	253.0
14:00	0.015515	24.5	23.9	.07	29.01	982.5	92.8	.13	274.1
15:00	0.012785	20.3	19.8	.35	29.03	983.2	351.9	.50	225.2
16:00	0.013532	21.8	20.9	.00	29.01	982.6	295.4	.42	245.4
17:00	0.014138	22.3	21.8	.01	29.02	982.7	207.8	.30	242.9
18:00	0.014437	22.6	22.3	.00	28.99	981.8	221.4	.32	229.6
19:00	0.014803	23.2	22.8	.00	29.00	982.2	101.2	.15	272.8
20:00	0.013607	21.4	21.0	.00	29.02	982.8	20.5	.03	241.5
21:00	0.013694	21.1	21.2	.00	29.04	983.5	-1.1	.00	234.3
22:00	0.013682	20.9	21.2	.01	29.06	984.2	-2.0	.00	275.7
23:00	0.013815	21.1	21.4	.14	29.07	984.4	-2.9	.00	253.4
Avg	0.013523	21.2	20.9	.06	29.04	983.5	163.6	.24	251.0
Max	0.015515	24.5	23.9	.37	29.07	984.6	595.9	.85	357.3
Hr. of Max	14	14	14	02	23	09	12	12	07
Min	0.012157	18.8	18.9	.00	28.99	981.8	-2.9	.00	33.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/30/2015

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	58.9	68.3	51.4	64.3	33.3	23.6	18.3	1.9	3.2
01:00	2.7	10.9	329.8	3.2	54.3	51.9	58.8	1.5	1.9
02:00	26.3	22.7	33.1	16.3	54.7	35.4	29.3	.7	2.0
03:00	327.4	336.4	291.9	332.6	57.2	45.2	40.1	1.6	2.9
04:00	208.4	208.3	212.6	211.1	49.5	31.3	17.3	1.9	3.4
05:00	235.0	222.9	246.4	225.5	60.2	44.6	32.6	1.5	3.0
06:00	252.2	249.1	276.0	257.7	66.6	68.0	50.3	.8	1.0
07:00	2.1	322.0	1.2	315.6	58.3	63.8	51.3	.7	1.1
08:00	243.4	225.2	255.4	228.5	49.3	57.1	53.0	.5	.8
09:00	137.0	145.9	138.7	144.8	45.4	35.4	33.7	1.2	1.6
10:00	202.2	211.0	185.3	212.5	40.6	43.6	36.1	1.5	1.8
11:00	224.6	223.2	223.3	225.1	24.6	19.5	17.0	3.3	4.5
12:00	238.6	235.7	235.8	237.6	27.2	22.2	15.8	4.1	5.2
13:00	257.8	251.3	255.4	252.3	35.8	29.0	24.1	2.0	2.9
14:00	272.8	266.6	277.1	267.0	27.2	18.9	15.8	3.1	4.9
15:00	227.9	222.1	232.1	224.3	35.7	27.9	23.5	5.1	7.7
16:00	265.5	272.4	247.7	272.6	40.0	39.0	44.7	.9	1.3
17:00	254.8	264.9	247.5	265.8	33.2	27.2	23.2	2.9	4.2
18:00	232.8	238.7	234.0	242.5	37.2	42.5	29.7	1.7	2.5
19:00	261.6	252.5	274.1	253.3	43.9	36.8	23.0	1.0	1.8
20:00	228.5	219.0	243.8	221.1	50.0	15.2	11.2	.9	2.3
21:00	248.6	264.2	236.9	267.5	56.3	56.5	29.4	.5	1.2
22:00	230.7	188.3	271.5	186.7	41.2	33.0	28.2	.8	1.5
23:00	242.6	223.7	255.9	227.3	49.3	46.5	38.8	1.1	1.9
Avg	249.0	243.0	254.0	247.0	44.6	38.1	31.1	.0	.0
Max	327.4	336.4	329.8	332.6	66.6	68.0	58.8	5.1	7.7
Hr. of Max	03	03	01	03	06	06	01	15	15
Min	2.1	10.9	1.2	3.2	24.6	15.2	11.2	.5	.8
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)

6/30/2015

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	4.2	2.3	3.5	4.4	2.6	4.7	-4.0	.3	-.24
01:00	2.1	2.4	2.9	3.1	2.7	3.4	-4.2	-.2	-.25
02:00	3.4	3.0	5.0	6.6	3.4	7.0	-2.0	-.8	-.19
03:00	4.8	2.8	4.5	6.7	3.3	6.7	.5	.8	-.13
04:00	4.8	2.5	4.0	5.2	2.8	5.6	2.2	1.2	.08
05:00	4.5	2.6	3.9	5.1	3.0	5.4	-2.8	-.1	-.16
06:00	2.1	1.7	2.2	2.9	2.1	3.2	1.4	1.2	-.05
07:00	1.2	1.6	2.1	2.0	2.0	2.3	-2.7	.7	-.15
08:00	1.2	1.2	1.5	1.7	1.5	2.0	-.5	-1.3	-.02
09:00	1.9	1.8	2.2	2.5	2.5	3.0	2.6	-3.1	.11
10:00	2.2	2.3	2.5	2.9	3.0	3.5	1.6	6.2	.08
11:00	5.3	3.7	4.8	5.6	4.2	6.1	3.1	.5	.06
12:00	6.2	4.7	5.7	6.7	5.3	7.2	-1.2	-.4	-.31
13:00	3.6	2.7	3.7	4.2	3.3	4.7	1.9	.4	-.04
14:00	5.9	3.8	5.7	6.8	4.3	7.1	-3.0	-1.6	-.35
15:00	9.3	6.2	8.8	10.4	6.8	11.0	.7	-.3	-.15
16:00	1.4	2.0	2.6	2.8	2.5	3.2	-4.2	.6	-.16
17:00	5.2	3.6	4.9	6.1	4.1	6.4	-.1	.3	-.12
18:00	3.3	2.2	2.9	3.7	2.7	4.1	3.6	-2.1	.02
19:00	2.6	1.9	2.5	3.2	2.3	3.5	.1	-1.1	-.05
20:00	3.9	1.1	2.6	4.0	1.6	4.4	2.4	.7	.01
21:00	2.9	.8	1.5	3.1	1.2	3.3	3.8	3.5	.06
22:00	1.6	1.0	1.7	1.7	1.4	2.0	-.4	-.8	-.02
23:00	2.9	2.0	2.8	3.7	2.3	4.0	-.2	.5	-.05
Avg	.0	2.5	3.5	4.4	3.0	4.7	-.1	.2	-.08
Max	9.3	6.2	8.8	10.4	6.8	11.0	3.8	6.2	.11
Hr. of Max	15	15	15	15	15	15	21	10	09
Min	1.2	.8	1.5	1.7	1.2	2.0	-4.2	-3.1	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/30/2015

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	-.02	10.8	10.8	18.3	7.5	9.3	13.5	8.8
01:00	-.08	13.3	16.9	18.8	13.7	19.7	12.3	12.9
02:00	-.13	15.1	19.9	19.0	12.2	19.9	17.5	6.7
03:00	-.12	16.7	19.7	22.9	18.8	23.4	22.4	11.7
04:00	.09	7.8	11.0	12.4	7.3	62.1	18.4	9.9
05:00	-.02	8.2	9.8	11.7	8.6	12.1	13.8	6.4
06:00	.04	6.6	7.3	8.0	7.3	8.7	15.5	16.1
07:00	.01	6.0	7.1	6.6	7.0	6.9	13.5	13.8
08:00	-.03	4.6	4.6	5.5	4.2	5.1	21.5	13.4
09:00	-.18	5.5	6.2	6.2	6.9	7.4	24.5	23.9
10:00	.29	6.4	7.8	8.5	7.7	10.0	24.3	26.3
11:00	-.11	9.6	10.3	11.4	10.0	11.9	20.2	15.4
12:00	-.17	11.0	12.6	15.8	14.2	14.5	18.2	14.3
13:00	-.14	8.7	9.2	9.8	9.1	10.0	21.8	17.1
14:00	-.26	17.6	20.8	20.8	18.1	64.9	12.2	7.7
15:00	.05	22.0	30.2	32.1	23.8	81.0	17.7	9.8
16:00	-.02	6.4	8.0	9.2	7.4	9.6	17.6	17.4
17:00	-.07	9.4	11.0	10.8	9.2	11.1	17.0	11.5
18:00	-.20	7.8	7.1	8.7	6.7	8.5	21.3	14.5
19:00	.01	7.1	7.1	10.1	7.9	9.0	16.4	13.9
20:00	.04	8.9	9.8	13.1	6.3	8.7	12.7	7.3
21:00	.15	3.0	6.9	11.7	3.4	6.6	13.8	10.6
22:00	-.01	3.4	5.5	6.0	3.9	6.4	12.1	10.0
23:00	.06	7.3	9.4	14.4	8.2	16.0	12.1	8.0
Avg	-.03	9.3	11.2	13.0	9.6	18.5	17.1	12.8
Max	.29	22.0	30.2	32.1	23.8	81.0	24.5	26.3
Hr. of Max	10	15	15	15	15	15	09	10
Min	-.26	3.0	4.6	5.5	3.4	5.1	12.1	6.4
Count	24	24	24	24	24	24	24	24
Total								