Date Printed: 05/27/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/26/2015

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	19.1	19.1	19.1	19.2	.04	.02	.12	-.02	.08
01:00	19.0	18.8	18.8	18.9	-.13	-.17	-.05	-.04	.08
02:00	18.6	18.9	19.0	19.1	.36	.44	.55	.07	.19
03:00	18.5	18.8	18.9	19.0	.34	.37	.49	.03	.15
04:00	18.5	18.7	18.9	19.2	.24	.39	.72	.15	.47
05:00	18.5	18.6	18.8	19.1	.13	.29	.60	.16	.46
06:00	18.7	18.9	18.9	18.9	.17	.15	.19	-.02	.02
07:00	19.2	19.2	19.1	19.1	-.08	-.17	-.13	-.09	-.05
08:00	20.4	20.1	19.9	19.8	-.30	-.52	-.60	-.22	-.30
09:00	21.4	21.0	20.8	20.7	-.39	-.63	-.71	-.24	-.32
10:00	23.5	22.8	22.5	22.3	-.66	-1.00	-1.15	-.33	-.49
11:00	24.3	23.8	23.6	23.4	-.46	-.74	-.86	-.27	-.40
12:00	25.7	25.1	24.8	24.7	-.62	-.93	-1.04	-.31	-.41
13:00	26.4	25.7	25.4	25.3	-.72	-1.02	-1.10	-.30	-.38
14:00	24.3	23.8	23.6	23.6	-.43	-.65	-.71	-.22	-.28
15:00	26.2	25.6	25.4	25.3	-.60	-.86	-.90	-.27	-.30
16:00	24.6	24.5	24.4	24.4	-.10	-.20	-.14	-.10	-.04
17:00	21.7	21.5	21.4	21.5	-.23	-.34	-.24	-.11	-.01
18:00	22.1	21.8	21.7	21.7	-.27	-.40	-.34	-.13	-.07
19:00	21.9	21.9	21.9	22.2	-.03	.01	.25	.04	.28
20:00	21.4	21.3	21.3	21.4	-.07	-.09	.04	-.02	.11
21:00	21.0	21.1	21.1	21.3	.05	.07	.27	.02	.22
22:00	20.6	20.6	20.7	20.8	-.04	.04	.17	.07	.20
23:00	20.3	20.4	20.3	20.5	.03	.02	.15	-.01	.12
Avg	21.5	21.3	21.3	21.3	-.16	-.25	-.18	-.09	-.03
Max	26.4	25.7	25.4	25.3	.36	.44	.72	.16	.47
Hr. of Max	13	13	15	15	02	02	04	05	04
Min	18.5	18.6	18.8	18.9	-.72	-1.02	-1.15	-.33	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/26/2015

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	18.1	18.2	18.4	23.5	96.0	96.6	15.4	15.5	0.013335
01:00	18.0	18.2	18.3	23.3	96.3	97.9	15.4	15.5	0.01327
02:00	17.7	18.3	18.0	23.1	96.8	98.0	15.1	15.6	0.013023
03:00	17.7	18.2	18.0	22.9	97.2	98.3	15.1	15.6	0.013023
04:00	17.7	18.1	17.9	22.8	97.3	98.4	15.1	15.5	0.013013
05:00	17.7	18.0	18.0	22.6	97.3	98.7	15.1	15.4	0.013009
06:00	18.0	18.3	18.2	22.4	97.5	98.7	15.3	15.7	0.013252
07:00	18.5	18.6	18.7	22.3	97.5	98.5	15.8	15.9	0.013667
08:00	18.9	18.8	19.4	22.2	93.3	94.3	16.2	16.1	0.014047
09:00	18.8	18.6	19.7	22.2	87.0	88.2	16.0	15.9	0.013964
10:00	19.1	18.5	20.6	22.2	78.4	78.3	16.2	15.6	0.014272
11:00	19.9	19.4	21.4	22.5	78.7	78.4	17.0	16.6	0.015029
12:00	20.1	19.7	22.0	22.9	73.0	74.0	17.1	16.8	0.015209
13:00	20.1	19.7	22.2	23.3	70.3	71.5	17.1	16.8	0.015243
14:00	20.5	20.0	21.7	23.7	81.6	81.5	17.6	17.2	0.015576
15:00	21.5	20.8	23.1	23.9	77.4	76.6	18.6	17.9	0.016636
16:00	20.3	20.1	21.7	24.1	79.7	79.4	17.4	17.2	0.015408
17:00	20.0	19.8	20.6	24.3	92.2	92.0	17.2	17.0	0.015132
18:00	20.2	20.1	20.8	24.3	91.6	92.0	17.5	17.3	0.015351
19:00	20.2	19.9	20.7	24.3	92.1	91.0	17.4	17.2	0.015269
20:00	20.2	20.1	20.6	24.2	95.1	95.3	17.4	17.4	0.015257
21:00	20.0	20.0	20.4	24.1	96.3	95.9	17.3	17.3	0.015116
22:00	19.8	19.8	20.1	23.9	97.0	97.6	17.0	17.1	0.014853
23:00	19.1	19.1	19.5	23.8	95.0	94.8	16.4	16.4	0.014259
Avg	19.3	19.2	20.0	23.3	89.8	90.2	16.5	16.4	0.014426
Max	21.5	20.8	23.1	24.3	97.5	98.7	18.6	17.9	0.016636
Hr. of Max	15	15	15	19	07	06	15	15	15
Min	17.7	18.0	17.9	22.2	70.3	71.5	15.1	15.4	0.013009
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)

5/26/2015

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	0.013442	20.8	21.0	.00	29.28	991.5	-2.5	.00	252.2
01:00	0.013394	20.7	20.9	.00	29.28	991.5	-.8	.00	230.6
02:00	0.013492	20.3	21.0	.00	29.26	991.0	-2.9	.00	35.5
03:00	0.013462	20.3	21.0	.00	29.25	990.7	-3.3	.00	31.2
04:00	0.01335	20.3	20.8	.00	29.25	990.5	-1.5	.00	350.4
05:00	0.013302	20.3	20.7	.04	29.25	990.7	-1.7	.00	275.1
06:00	0.013561	20.7	21.1	.01	29.27	991.1	3.5	.01	51.6
07:00	0.01374	21.3	21.4	.00	29.29	991.8	58.4	.08	18.9
08:00	0.013944	21.9	21.8	.00	29.29	992.0	246.8	.35	75.9
09:00	0.01382	21.8	21.6	.00	29.29	992.0	356.6	.51	74.7
10:00	0.013683	22.2	21.3	.00	29.28	991.6	685.3	.98	167.2
11:00	0.014572	23.4	22.7	.01	29.27	991.4	470.8	.67	199.7
12:00	0.014839	23.7	23.1	.00	29.26	990.9	538.7	.77	227.8
13:00	0.01486	23.7	23.1	.00	29.25	990.6	663.3	.95	216.7
14:00	0.015161	24.2	23.5	.07	29.22	989.7	558.5	.80	182.1
15:00	0.015891	25.7	24.6	.02	29.19	988.5	696.8	1.00	189.0
16:00	0.015245	23.9	23.6	.13	29.19	988.6	114.9	.16	220.8
17:00	0.014882	23.5	23.1	.03	29.19	988.5	130.6	.19	260.2
18:00	0.015172	23.8	23.5	.00	29.18	988.2	123.0	.18	230.7
19:00	0.015051	23.7	23.4	.00	29.19	988.7	35.1	.05	245.0
20:00	0.015226	23.7	23.6	.01	29.21	989.3	1.8	.00	213.0
21:00	0.0151	23.5	23.5	.00	29.23	989.9	-1.1	.00	234.9
22:00	0.014911	23.1	23.2	.00	29.25	990.7	-.9	.00	244.7
23:00	0.014251	22.2	22.2	.00	29.26	991.0	-2.0	.00	231.6
Avg	0.014348	22.4	22.3	.01	29.25	990.4	194.5	.28	228.0
Max	0.015891	25.7	24.6	.13	29.29	992.0	696.8	1.00	350.4
Hr. of Max	15	15	15	16	09	09	15	15	04
Min	0.013302	20.3	20.7	.00	29.18	988.2	-3.3	.00	18.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/26/2015

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	272.6	278.6	255.9	278.2	23.5	16.5	13.5	1.8	3.2
01:00	225.6	246.0	232.8	249.0	41.2	34.5	25.7	1.3	2.9
02:00	65.0	63.9	37.5	58.8	41.9	20.9	24.0	1.0	1.6
03:00	59.2	79.1	29.3	75.0	23.0	20.7	16.0	1.4	1.9
04:00	28.2	62.5	349.7	52.4	54.6	40.2	36.0	.4	.8
05:00	32.6	76.8	266.0	65.5	52.8	71.5	55.1	.4	.1
06:00	71.3	74.1	52.4	69.2	26.7	18.5	10.9	1.2	1.9
07:00	31.9	57.5	18.2	49.8	31.6	25.9	15.3	.8	1.6
08:00	78.6	74.6	77.2	71.2	29.2	21.6	20.3	1.5	2.2
09:00	78.3	72.6	80.4	68.7	34.1	32.2	33.3	1.4	1.6
10:00	160.3	179.3	178.2	180.3	42.2	43.8	45.3	.6	.8
11:00	201.9	197.6	204.3	198.6	38.6	34.3	28.5	2.3	3.0
12:00	226.8	225.3	233.0	227.3	27.2	20.6	18.2	3.5	5.0
13:00	222.6	220.3	222.4	222.4	26.7	18.8	15.1	5.5	8.0
14:00	193.4	189.3	191.9	189.4	41.2	38.7	33.5	2.6	3.5
15:00	194.4	187.8	195.4	188.5	31.1	32.7	23.8	2.5	3.2
16:00	223.4	220.3	224.8	222.5	25.3	18.6	14.7	5.8	9.1
17:00	256.3	249.3	261.4	250.8	43.1	30.5	15.7	.8	1.9
18:00	251.3	256.9	235.0	258.0	24.0	17.5	11.7	1.7	2.4
19:00	245.3	237.8	249.3	239.6	20.0	14.7	13.4	2.5	4.4
20:00	228.0	242.2	218.3	244.1	35.0	19.7	13.9	1.2	2.4
21:00	227.3	215.7	236.2	217.7	32.4	15.0	9.6	.9	2.5
22:00	249.8	238.4	247.7	239.9	14.5	12.7	10.7	1.4	2.7
23:00	228.2	218.3	237.6	220.5	23.3	15.5	10.8	1.7	3.7
Avg	215.0	200.0	234.0	207.0	32.6	26.5	21.5	.0	.0
Max	272.6	278.6	349.7	278.2	54.6	71.5	55.1	5.8	9.1
Hr. of Max	00	00	04	00	04	05	05	16	16
Min	28.2	57.5	18.2	49.8	14.5	12.7	9.6	.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)

5/26/2015

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	4.9	2.0	3.5	5.2	2.4	5.2	.3	.6	-.04
01:00	3.3	1.4	3.0	3.4	1.9	3.8	.2	-.9	-.06
02:00	1.7	1.4	1.8	1.9	1.6	2.3	.7	-.3	.01
03:00	2.2	1.6	2.1	2.3	1.8	2.6	-1.0	-1.0	-.08
04:00	.4	.8	1.1	1.1	1.1	1.5	2.8	1.9	.03
05:00	.1	.6	.3	.2	1.0	.6	2.3	.2	.03
06:00	2.3	1.4	2.1	2.4	1.7	2.7	-.1	-.7	-.04
07:00	1.8	1.1	1.8	1.9	1.5	2.2	-5.7	-1.1	-.19
08:00	2.3	1.6	2.3	2.4	2.1	2.8	5.2	3.2	.17
09:00	1.6	1.7	1.8	1.8	2.1	2.3	-.4	3.3	-.03
10:00	1.2	2.0	2.1	2.3	2.5	2.9	3.2	-5.2	.09
11:00	4.0	2.9	3.5	4.5	3.5	5.1	1.6	1.2	.04
12:00	5.6	3.9	5.3	6.0	4.4	6.5	.4	-1.8	-.09
13:00	9.5	6.2	8.5	9.9	6.9	10.6	.7	.9	-.15
14:00	4.7	3.1	4.0	5.1	3.8	5.7	-3.9	-1.3	-.28
15:00	4.1	2.8	3.6	4.4	3.3	4.8	1.1	.2	.05
16:00	11.6	6.4	9.7	12.2	7.1	12.9	-.8	.7	-.30
17:00	3.7	1.4	2.5	4.2	1.8	4.5	-3.1	.9	-.14
18:00	3.6	1.9	2.6	3.7	2.4	4.0	2.2	1.7	.02
19:00	6.4	2.7	4.6	6.7	3.1	7.1	-1.1	.5	-.12
20:00	3.8	1.5	2.7	4.1	2.0	4.5	3.0	.9	.04
21:00	4.5	1.1	2.7	4.6	1.6	4.9	.9	1.1	-.01
22:00	3.9	1.5	2.9	4.0	1.8	4.4	.5	.3	-.01
23:00	5.3	1.9	3.8	5.4	2.3	5.9	-.8	-.2	-.09
Avg	.0	2.2	3.3	4.2	2.7	4.6	.3	.2	-.05
Max	11.6	6.4	9.7	12.2	7.1	12.9	5.2	3.3	.17
Hr. of Max	16	16	16	16	16	16	08	09	08
Min	.1	.6	.3	.2	1.0	.6	-5.7	-5.2	-.30
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/26/2015

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	5.7	8.0	10.3	7.7	10.5	14.8	7.9
01:00	.05	4.1	5.7	8.5	5.2	6.3	13.9	6.6
02:00	-.01	4.4	5.7	4.8	4.7	6.6	10.5	10.6
03:00	-.06	3.2	3.9	4.1	3.7	4.6	14.7	10.0
04:00	.02	3.9	4.8	5.0	3.5	3.8	12.5	11.6
05:00	.00	1.8	2.1	1.6	2.4	1.9	9.7	11.3
06:00	-.03	3.7	4.8	4.8	4.6	5.2	12.7	5.6
07:00	-.07	3.9	4.1	4.4	3.6	5.0	15.7	7.6
08:00	.11	4.6	6.6	7.1	5.8	6.2	23.4	18.0
09:00	.16	4.4	5.5	6.0	5.1	5.5	26.8	29.8
10:00	-.12	6.9	7.6	8.2	8.0	8.9	28.2	28.1
11:00	.00	9.6	10.8	11.7	11.8	13.7	23.4	22.5
12:00	-.28	8.7	10.1	11.2	11.2	11.6	18.8	13.6
13:00	.01	15.3	17.2	19.7	17.2	21.3	17.1	11.1
14:00	-.34	11.9	13.7	15.8	13.5	16.5	23.4	22.3
15:00	-.20	12.4	14.9	15.6	12.8	19.2	23.6	19.9
16:00	.01	22.4	25.2	27.2	27.8	75.2	14.5	8.4
17:00	.05	7.6	17.9	23.6	8.2	26.7	21.9	9.5
18:00	.05	6.0	6.4	7.8	6.8	8.9	16.5	10.0
19:00	.01	8.0	11.9	15.8	10.8	17.8	12.7	7.1
20:00	.05	8.2	16.3	16.3	7.8	13.3	14.8	8.6
21:00	.06	3.7	6.4	9.6	5.3	9.8	11.0	5.9
22:00	.01	5.3	8.7	9.2	5.6	10.1	8.9	5.5
23:00	-.06	7.3	8.9	11.4	6.7	13.0	12.2	6.5
Avg	-.02	7.2	9.5	10.8	8.3	13.4	16.7	12.4
Max	.16	22.4	25.2	27.2	27.8	75.2	28.2	29.8
Hr. of Max	09	16	16	16	16	16	10	09
Min	-.34	1.8	2.1	1.6	2.4	1.9	8.9	5.5
Count	24	24	24	24	24	24	24	24
Total								