Date Printed: 05/31/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2015

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	19.7	20.4	20.6	20.9	.70	.93	1.21	.22	.51
01:00	19.8	20.5	20.6	20.9	.70	.76	1.06	.06	.36
02:00	19.6	20.3	20.5	20.9	.70	.90	1.23	.20	.53
03:00	19.1	19.7	20.0	20.5	.54	.84	1.39	.30	.85
04:00	18.8	19.7	19.9	20.5	.92	1.19	1.78	.27	.86
05:00	18.3	19.3	19.6	19.9	.96	1.25	1.61	.28	.65
06:00	18.3	19.1	19.2	19.5	.80	.94	1.23	.15	.44
07:00	19.2	19.5	19.5	19.8	.30	.31	.60	.00	.30
08:00	21.4	21.2	21.0	21.0	-.23	-.38	-.41	-.15	-.18
09:00	23.6	23.0	22.8	22.6	-.59	-.85	-.99	-.26	-.40
10:00	25.8	24.9	24.5	24.3	-.91	-1.25	-1.42	-.35	-.51
11:00	27.0	26.0	25.6	25.5	-.99	-1.36	-1.50	-.37	-.51
12:00	27.8	26.8	26.4	26.3	-1.06	-1.41	-1.55	-.35	-.49
13:00	28.9	27.6	27.2	27.1	-1.25	-1.63	-1.76	-.38	-.51
14:00	29.4	28.1	27.8	27.7	-1.27	-1.60	-1.73	-.33	-.46
15:00	29.6	28.4	28.0	27.9	-1.14	-1.55	-1.68	-.41	-.54
16:00	29.5	28.5	28.1	27.9	-.99	-1.40	-1.57	-.41	-.58
17:00	29.4	28.6	28.2	28.0	-.82	-1.20	-1.42	-.38	-.60
18:00	28.9	28.3	28.0	27.9	-.53	-.84	-.99	-.32	-.47
19:00	26.1	25.8	25.6	25.6	-.27	-.48	-.49	-.21	-.22
20:00	23.4	24.3	24.6	24.9	.88	1.22	1.49	.34	.61
21:00	21.4	23.0	23.9	24.3	1.59	2.52	2.93	.93	1.34
22:00	20.3	22.8	23.6	23.8	2.54	3.28	3.46	.74	.92
23:00	20.6	23.1	23.2	23.3	2.41	2.53	2.68	.12	.27
Avg	23.6	23.7	23.7	23.8	.12	.11	.22	-.01	.09
Max	29.6	28.6	28.2	28.0	2.54	3.28	3.46	.93	1.34
Hr. of Max	15	17	17	17	22	22	22	21	21
Min	18.3	19.1	19.2	19.5	-1.27	-1.63	-1.76	-.41	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2015

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	17.8	18.0	18.4	24.2	90.7	88.1	15.1	15.3	0.013087
01:00	17.9	18.1	18.6	24.0	90.7	87.9	15.2	15.4	0.013231
02:00	17.9	18.2	18.5	23.8	91.7	89.5	15.2	15.5	0.013201
03:00	17.7	18.2	18.2	23.6	93.2	93.1	15.0	15.5	0.013009
04:00	17.5	18.2	17.9	23.5	94.2	93.3	14.9	15.5	0.012854
05:00	17.1	18.0	17.5	23.3	94.5	94.4	14.5	15.3	0.012526
06:00	17.1	17.9	17.5	23.1	94.9	94.8	14.6	15.2	0.012546
07:00	17.9	18.1		23.0	93.9	93.2	15.2	15.4	0.013169
08:00	17.6	17.2		22.8	80.8	79.9	14.9	14.5	0.012968
09:00	16.5	15.9	18.9	22.8	66.1	65.9	13.8	13.3	0.012116
10:00	15.6	15.0	19.0	22.9	54.9	55.6	13.0	12.5	0.011444
11:00	15.1	14.6	19.0	23.2	49.3	50.6	12.5	12.1	0.011068
12:00	15.1	14.8	19.4	23.8	47.3	49.1	12.5	12.3	0.011135
13:00	14.7	14.4	19.4	24.4	43.2	45.5	12.1	11.9	0.010812
14:00	14.1	13.9	19.2	25.1	40.3	42.9	11.7	11.6	0.010424
15:00	14.8	14.6	19.7	25.4	41.8	44.0	12.2	12.1	0.010927
16:00	15.4	15.2	20.1	25.5	43.6	45.5	12.7	12.5	0.011371
17:00	15.4	15.2	20.1	25.7	43.9	45.5	12.7	12.6	0.011391
18:00	15.7	15.6	20.1	25.9	46.1	47.2	12.9	12.9	0.011594
19:00	16.5	16.4	19.7	25.9	56.9	57.4	13.7	13.6	0.012164
20:00	17.2	16.3	19.2	25.9	69.6	62.5	14.4	13.6	0.012662
21:00	17.0	17.0	18.4	25.8	77.6	70.7	14.3	14.3	0.012491
22:00	16.9	17.0	18.0	25.5	82.4	71.3	14.2	14.3	0.012399
23:00	17.2	17.0	18.4	25.3	82.4	70.4	14.5	14.3	0.012674
Avg	16.5	16.5	18.9	24.4	69.6	68.3	13.8	13.8	0.012136
Max	17.9	18.2	20.1	25.9	94.9	94.8	15.2	15.5	0.013231
Hr. of Max	07	04	18	20	06	06	07	04	01
Min	14.1	13.9	17.5	22.8	40.3	42.9	11.7	11.6	0.010424
Count	24	24	22	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2015

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	0.013289	20.4	20.7	.00	29.24	990.1	-3.1	.00	21.5
01:00	0.013382	20.6	20.8	.00	29.23	989.8	-2.6	.00	32.6
02:00	0.013445	20.6	20.9	.00	29.22	989.6	-.8	.00	321.5
03:00	0.013452	20.3	20.9	.00	29.22	989.5	-2.3	.00	254.2
04:00	0.013479	20.0	21.0	.00	29.21	989.3	-2.5	.00	.9
05:00	0.013289	19.5	20.7	.00	29.22	989.6	-2.9	.00	17.9
06:00	0.013177	19.6	20.5	.00	29.24	990.1	12.2	.02	30.2
07:00	0.01333	20.5	20.8	.00	29.25	990.5	79.8	.11	31.0
08:00	0.012641	20.2	19.7	.00	29.25	990.7	262.8	.38	175.1
09:00	0.011664	18.9	18.2	.00	29.26	990.8	562.0	.81	173.0
10:00	0.01098	17.9	17.2	.00	29.25	990.5	750.2	1.08	171.8
11:00	0.010694	17.3	16.7	.00	29.25	990.4	855.1	1.23	176.0
12:00	0.010857	17.4	17.0	.00	29.24	990.1	850.2	1.22	201.0
13:00	0.010587	16.9	16.6	.00	29.22	989.6	971.0	1.39	213.8
14:00	0.010287	16.3	16.1	.00	29.20	988.8	1010.8	1.45	215.1
15:00	0.010753	17.1	16.8	.00	29.17	987.9	738.5	1.06	232.9
16:00	0.011194	17.7	17.5	.00	29.15	987.3	569.5	.82	227.6
17:00	0.011243	17.7	17.5	.00	29.14	987.0	501.8	.72	228.7
18:00	0.011498	18.0	17.9	.00	29.12	986.3	277.4	.40	227.9
19:00	0.012091	18.9	18.8	.00	29.13	986.3	100.8	.14	239.4
20:00	0.012	19.7	18.7	.00	29.13	986.5	15.1	.02	270.5
21:00	0.012532	19.4	19.5	.00	29.14	986.7	-1.4	.00	328.8
22:00	0.01253	19.3	19.5	.00	29.14	986.9	-.6	.00	276.4
23:00	0.012543	19.7	19.5	.00	29.14	986.8	-1.5	.00	245.2
Avg	0.012122	18.9	18.9	.00	29.20	988.8	314.1	.45	247.0
Max	0.013479	20.6	21.0	.00	29.26	990.8	1010.8	1.45	328.8
Hr. of Max	04	02	04	23	09	09	14	14	21
Min	0.010287	16.3	16.1	.00	29.12	986.3	-3.1	.00	.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2015

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	70.3	57.2	34.6	52.9	40.9	12.6	6.3	.5	1.3
01:00	60.0	59.3	34.7	55.3	24.2	11.2	8.9	.7	1.5
02:00	44.1	51.2	319.4	44.9	25.1	20.3	30.3	.5	.5
03:00	225.9	110.6	255.6	129.3	28.2	31.6	43.0	.8	.7
04:00	58.8	107.9	2.5	105.3	29.0	16.1	16.5	.7	1.3
05:00	68.3	46.0	24.2	41.0	37.3	17.5	8.6	.4	1.0
06:00	68.0	61.4	31.7	57.8	42.8	13.6	6.4	.6	1.3
07:00	58.6	88.9	31.4	85.6	21.5	29.8	18.6	.7	1.1
08:00	201.6	197.8	183.6	196.9	58.5	36.5	29.4	1.0	1.3
09:00	184.9	192.7	183.0	195.1	49.1	45.4	40.7	1.6	1.9
10:00	179.9	180.3	174.0	181.3	36.6	33.1	27.6	3.9	4.8
11:00	185.1	187.8	181.6	188.7	33.8	28.1	24.4	4.8	6.1
12:00	213.1	214.5	207.6	215.7	37.8	31.1	29.3	4.7	6.3
13:00	218.6	217.2	219.5	219.0	33.4	25.0	21.2	5.5	7.6
14:00	220.7	218.8	220.7	220.6	46.4	35.4	29.1	4.0	5.3
15:00	236.1	231.3	237.4	233.6	27.4	19.5	15.0	5.8	8.3
16:00	233.0	231.9	234.2	234.0	27.8	20.7	18.0	6.1	8.3
17:00	231.4	230.0	233.8	232.3	25.7	20.3	14.0	5.8	8.3
18:00	233.3	228.5	232.3	230.4	27.1	19.1	17.8	5.1	7.4
19:00	234.0	225.4	243.5	227.4	24.4	16.3	11.7	3.0	4.6
20:00	233.9	224.3	270.4	226.7	13.9	11.2	7.1	1.0	2.2
21:00	217.4	195.3	329.4	196.5	22.3	24.3	8.6	.8	.7
22:00	226.0	207.4	277.8	208.9	22.7	15.6	10.9	1.6	3.2
23:00	225.8	205.6	250.4	207.2	16.5	13.1	12.0	2.7	4.3
Avg	202.0	185.0	251.0	190.0	31.4	22.8	19.0	.0	.0
Max	236.1	231.9	329.4	234.0	58.5	45.4	43.0	6.1	8.3
Hr. of Max	15	16	21	16	08	09	03	16	17
Min	44.1	46.0	2.5	41.0	13.9	11.2	6.3	.4	.5
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)

5/30/2015

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	2.4	.5	1.3	2.5	.7	2.8	-.1	.4	.00
01:00	2.7	.8	1.6	2.7	1.1	3.0	1.0	-.2	.02
02:00	1.4	1.2	.9	1.4	1.5	1.7	.7	.1	.03
03:00	.4	1.2	1.1	.5	1.6	.9	1.7	-1.7	.02
04:00	1.4	.8	1.3	1.7	1.0	2.0	1.3	1.1	.02
05:00	1.6	.5	1.1	1.6	.8	1.9	1.6	-.4	.03
06:00	2.5	.6	1.4	2.5	.9	2.8	1.9	.0	.03
07:00	1.5	.8	1.2	2.0	1.0	2.3	1.6	-.1	.02
08:00	2.7	1.1	1.6	2.9	1.7	3.3	6.1	-2.1	.10
09:00	2.1	2.2	2.4	2.8	2.8	3.4	1.4	-1.0	-.04
10:00	5.6	4.4	5.3	6.0	5.1	6.6	4.1	2.7	.14
11:00	7.2	5.8	7.1	7.9	6.6	8.5	1.1	2.9	-.07
12:00	7.4	5.9	7.4	8.3	6.6	9.0	2.2	3.2	.03
13:00	9.0	6.4	8.3	9.6	7.2	10.4	2.4	1.7	.07
14:00	6.3	5.2	6.3	7.1	6.0	7.9	.6	2.2	-.15
15:00	9.5	6.3	8.7	9.8	7.0	10.6	1.1	2.0	-.16
16:00	9.7	6.6	8.8	10.1	7.3	10.8	-.2	1.1	-.32
17:00	10.5	6.4	8.8	10.8	7.1	11.6	.5	.3	-.22
18:00	8.8	5.7	7.8	9.3	6.6	10.0	.7	3.4	-.17
19:00	5.9	3.4	4.9	6.0	3.8	6.5	1.4	1.6	.01
20:00	3.9	1.0	2.3	3.9	1.4	4.3	-1.1	-.2	-.05
21:00	3.3	.8	.8	3.4	1.0	3.7	.3	.6	.00
22:00	4.4	1.9	3.3	4.5	2.2	4.8	.6	-.6	.01
23:00	5.2	2.9	4.4	5.3	3.3	5.7	-2.5	-1.5	-.17
Avg	.0	3.0	4.1	5.1	3.5	5.6	1.2	.6	-.03
Max	10.5	6.6	8.8	10.8	7.3	11.6	6.1	3.4	.14
Hr. of Max	17	16	17	17	16	17	08	18	10
Min	.4	.5	.8	.5	.7	.9	-2.5	-2.1	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/30/2015

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	2.1	6.4	7.8	2.4	5.3	7.9	4.2
01:00	-.02	1.8	3.2	5.5	2.1	4.9	8.6	4.3
02:00	.00	2.5	2.3	3.7	3.0	3.8	6.0	9.4
03:00	-.03	2.5	3.0	4.8	3.0	5.4	7.8	17.0
04:00	.06	4.4	3.7	5.7	2.6	5.0	9.8	9.4
05:00	-.02	2.1	2.7	3.4	2.4	3.7	9.0	5.6
06:00	.00	1.8	3.2	3.9	2.1	4.2	7.8	4.1
07:00	.00	3.2	2.7	5.5			10.5	8.4
08:00	-.17	5.5	5.5	7.3			28.9	20.7
09:00	-.23	6.4	7.6	8.7	7.6	9.2	28.1	28.0
10:00	.14	12.4	14.2	14.0	14.9	14.4	22.7	22.7
11:00	.14	14.9	15.6	16.9	15.8	17.5	17.8	18.1
12:00	.28	20.2	18.5	19.9	16.8	18.9	19.6	16.3
13:00	.12	17.9	23.8	18.5	19.8	19.2	19.9	14.6
14:00	.14	14.4	17.4	19.2	15.0	18.7	21.5	20.2
15:00	.18	18.8	20.6	22.2	17.6	21.5	18.1	12.0
16:00	-.07	20.4	20.2	21.8	23.1	23.3	17.9	13.4
17:00	-.12	15.1	17.9	18.8	17.2	20.2	18.6	10.3
18:00	.25	23.4	26.6	26.8	22.6	25.2	16.7	13.4
19:00	.13	18.1	15.3	19.2	13.5	18.3	17.8	9.7
20:00	-.02	3.9	6.4	6.2	3.4	6.4	8.3	3.7
21:00	.02	2.1	3.2	6.0	2.4	6.5	8.4	5.6
22:00	-.07	6.2	8.0	8.7	5.9	10.0	11.1	7.8
23:00	-.17	8.0	9.4	9.4	6.8	9.6	9.6	8.7
Avg	.02	9.5	10.7	11.8	10.0	12.3	14.7	12.0
Max	.28	23.4	26.6	26.8	23.1	25.2	28.9	28.0
Hr. of Max	12	18	18	18	16	18	08	09
Min	-.23	1.8	2.3	3.4	2.1	3.7	6.0	3.7
Count	24	24	24	24	22	22	24	24
Total								