Date Printed: 04/10/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/9/2015

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	17.1	20.0	21.5	22.9	2.86	4.39	5.80	1.54	2.94
01:00	16.2	19.2	20.8	22.4	2.91	4.56	6.12	1.65	3.21
02:00	15.8	18.4	20.4	21.7	2.61	4.68	5.92	2.07	3.31
03:00	14.9	17.8	20.0	20.8	2.88	5.12	5.94	2.23	3.06
04:00	14.3	17.4	19.4	20.0	3.18	5.11	5.75	1.93	2.56
05:00	14.2	16.6	18.3	19.5	2.35	4.08	5.30	1.73	2.95
06:00	13.6	15.8	17.1	18.7	2.15	3.47	5.03	1.32	2.88
07:00	13.5	15.0	16.0	17.7	1.47	2.51	4.13	1.04	2.65
08:00	15.3	15.7	16.2	17.2	.39	.86	1.88	.47	1.49
09:00	19.7	19.6	19.6	20.1	-.15	-.13	.33	.02	.48
10:00	23.2	22.8	22.6	22.5	-.35	-.63	-.69	-.28	-.34
11:00	25.7	25.1	24.8	24.7	-.53	-.85	-.97	-.32	-.44
12:00	26.9	26.5	26.2	26.1	-.39	-.68	-.80	-.30	-.41
13:00	27.9	27.4	27.0	26.9	-.58	-.91	-1.01	-.33	-.42
14:00	28.5	28.0	27.7	27.6	-.49	-.81	-.94	-.33	-.45
15:00	28.6	28.3	28.0	27.9	-.32	-.61	-.70	-.29	-.38
16:00	28.3	28.2	27.9	27.8	-.14	-.40	-.51	-.26	-.37
17:00	27.9	27.9	27.7	27.6	.06	-.15	-.21	-.21	-.27
18:00	27.3	27.4	27.3	27.2	.17	-.01	-.04	-.18	-.21
19:00	26.6	26.9	26.7	26.8	.29	.17	.17	-.13	-.12
20:00	25.4	25.8	25.8	25.9	.45	.45	.55	.00	.10
21:00	24.3	24.8	24.9	25.1	.49	.57	.72	.08	.24
22:00	23.2	24.0	24.2	24.4	.75	.95	1.18	.20	.42
23:00	22.6	23.4	23.5	23.7	.80	.92	1.10	.12	.30
Avg	21.7	22.6	23.1	23.6	.87	1.36	1.84	.49	.97
Max	28.6	28.3	28.0	27.9	3.18	5.12	6.12	2.23	3.31
Hr. of Max	15	15	15	15	04	03	01	03	02
Min	13.5	15.0	16.0	17.2	-.58	-.91	-1.01	-.33	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/9/2015

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	13.7	13.1	14.8	17.8	81.8	65.9	11.7	11.2	0.010068
01:00	13.5	13.3	14.4	17.6	85.0	70.2	11.6	11.4	0.009907
02:00	13.3	13.4	14.1	17.3	87.0	73.9	11.5	11.4	0.009833
03:00	12.9	12.4	13.5	17.1	89.0	71.9	11.2	10.8	0.009528
04:00	12.4	12.5	13.0	16.9	89.9	73.8	10.9	10.8	0.009232
05:00	12.4	12.6	13.0	16.7	90.3	78.6	10.9	10.9	0.009251
06:00	12.2	12.9	12.7	16.5	92.6	84.3	10.8	11.2	0.009134
07:00	12.2	12.8	12.7	16.3	93.2	88.1	10.8	11.2	0.009127
08:00	13.1	12.9	13.9	16.1	88.2	84.5	11.4	11.2	0.009704
09:00	14.4	13.5	16.2	15.9	72.8	69.4	12.2	11.5	0.010547
10:00	15.5	14.9	18.0	16.0	63.2	62.4	12.9	12.5	0.011344
11:00	16.1	15.5	19.3	16.3	56.7	56.4	13.3	12.9	0.011807
12:00	15.7	15.2	19.4	16.9	51.4	51.1	13.0	12.6	0.011544
13:00	14.8	14.2	19.2	17.4	46.0	45.8	12.3	11.8	0.010939
14:00	14.6	14.1	19.2	18.0	43.9	43.7	12.1	11.7	0.010809
15:00	13.9	13.4	18.8	18.4	41.7	41.2	11.5	11.2	0.010325
16:00	13.9	13.5	18.7	18.7	42.4	41.4	11.6	11.2	0.010362
17:00	14.5	14.2	18.9	18.9	45.2	44.0	12.0	11.8	0.010731
18:00	14.5	14.2	18.7	19.0	46.6	45.3	12.0	11.8	0.010712
19:00	14.1	13.9	18.2	18.9	47.3	45.9	11.7	11.6	0.010426
20:00	14.2	14.2	17.9	18.9	51.3	49.7	11.9	11.8	0.010526
21:00	14.7	14.7	17.9	18.7	56.3	54.7	12.3	12.3	0.010875
22:00	14.9	14.9	17.7	18.6	60.8	58.2	12.5	12.5	0.010991
23:00	15.1	15.1	17.6	18.4	63.8	60.7	12.6	12.6	0.011111
Avg	14.0	13.8	16.6	17.6	66.1	60.9	11.9	11.7	0.010368
Max	16.1	15.5	19.4	19.0	93.2	88.1	13.3	12.9	0.011807
Hr. of Max	11	11	12	18	07	07	11	11	11
Min	12.2	12.4	12.7	15.9	41.7	41.2	10.8	10.8	0.009127
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/9/2015

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	0.009706	15.7	15.2	.00	29.13	986.6	-1.3	.00	236.8
01:00	0.009844	15.5	15.4	.00	29.15	987.1	-1.7	.00	222.7
02:00	0.009862	15.4	15.4	.00	29.14	986.8	-3.5	.00	256.1
03:00	0.009247	14.9	14.4	.00	29.13	986.4	-2.0	.00	230.5
04:00	0.009299	14.4	14.5	.00	29.12	986.1	-1.1	.00	321.8
05:00	0.009368	14.5	14.6	.00	29.12	986.1	-1.6	.00	63.6
06:00	0.009555	14.3	14.9	.00	29.13	986.4	-2.8	.00	170.0
07:00	0.009496	14.3	14.8	.00	29.14	986.7	18.4	.03	71.5
08:00	0.00954	15.2	14.9	.00	29.15	987.2	175.3	.25	84.7
09:00	0.00998	16.5	15.6	.00	29.16	987.4	370.9	.53	192.2
10:00	0.010964	17.7	17.1	.00	29.16	987.5	504.9	.72	224.9
11:00	0.011376	18.4	17.7	.00	29.16	987.4	704.9	1.01	215.4
12:00	0.011198	18.0	17.5	.00	29.14	986.9	552.3	.79	217.7
13:00	0.010525	17.0	16.4	.00	29.13	986.3	828.8	1.19	208.5
14:00	0.010469	16.8	16.3	.00	29.10	985.6	692.8	.99	203.5
15:00	0.010021	16.1	15.6	.00	29.09	985.0	514.6	.74	214.7
16:00	0.010037	16.1	15.6	.00	29.08	984.7	395.5	.57	202.8
17:00	0.010506	16.7	16.3	.00	29.06	984.2	196.0	.28	205.1
18:00	0.010516	16.7	16.4	.00	29.05	983.9	122.7	.18	211.2
19:00	0.010292	16.2	16.0	.00	29.05	983.7	41.7	.06	212.3
20:00	0.010481	16.4	16.3	.00	29.05	983.9	1.0	.00	216.8
21:00	0.010876	16.9	16.9	.00	29.05	983.8	-2.5	.00	221.1
22:00	0.011004	17.1	17.1	.00	29.05	983.9	-3.3	.00	223.3
23:00	0.011091	17.3	17.2	.00	29.05	983.8	-2.8	.00	227.0
Avg	0.010219	16.2	15.9	.00	29.11	985.7	212.4	.31	212.0
Max	0.011376	18.4	17.7	.00	29.16	987.5	828.8	1.19	321.8
Hr. of Max	11	11	11	23	11	10	13	13	04
Min	0.009247	14.3	14.4	.00	29.05	983.7	-3.5	.00	63.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/9/2015

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	226.7	234.8	208.8	236.5	49.4	8.5	4.7	.5	1.9
01:00	228.9	236.2	230.7	238.0	23.1	8.1	4.6	1.3	3.5
02:00	235.3	225.6	257.4	228.2	49.2	27.3	4.7	.4	2.9
03:00	242.2	223.6	241.8	226.2	48.1	6.9	5.4	.2	2.9
04:00	241.9	222.1	338.9	224.8	59.7	4.3	4.7	.0	3.2
05:00	242.1	239.9	78.9	241.2	62.5	18.0	8.1	.2	.4
06:00	254.1	247.1	181.8 +	248.2	21.3	31.7	8.7	.0	.6
07:00	79.6	194.3	77.0	194.4	44.0	39.4	20.3	.4	.1
08:00	53.4	345.5	89.8	20.9	41.4	17.8	69.4	.5	.9
09:00	214.0	234.5	197.3	236.4	19.8	25.9	9.9	2.3	3.1
10:00	232.5	229.4	230.5	231.2	26.7	18.6	15.2	4.2	5.2
11:00	219.1	217.7	220.9	219.6	28.7	26.8	21.9	5.7	7.1
12:00	222.7	220.8	222.7	222.8	25.1	19.9	17.2	8.3	11.2
13:00	212.3	211.0	213.2	212.9	25.2	22.5	19.5	9.4	11.8
14:00	209.4	207.5	208.6	209.4	26.5	23.2	19.2	8.6	11.2
15:00	220.2	218.6	221.1	220.6	22.7	18.8	15.9	9.6	12.5
16:00	208.2	210.0	206.7	212.1	25.0	20.9	17.6	8.4	11.2
17:00	212.0	208.8	210.6	210.9	23.3	19.4	16.5	8.4	11.0
18:00	215.8	212.8	216.6	214.5	19.4	18.2	15.7	7.8	9.9
19:00	218.1	214.4	218.5	216.5	21.3	16.7	13.5	6.4	8.8
20:00	219.8	215.9	221.2	218.1	18.7	14.6	10.8	4.7	7.1
21:00	220.9	215.1	225.6	217.4	17.2	12.5	9.6	4.6	7.4
22:00	221.3	215.7	228.2	218.2	15.3	11.0	8.0	3.7	6.5
23:00	222.9	216.1	232.0	218.2	17.2	12.2	9.9	3.9	6.5
Avg	222.0	222.0	215.0	223.0	30.5	18.5	14.6	.0	.0
Max	254.1	345.5	338.9	248.2	62.5	39.4	69.4	9.6	12.5
Hr. of Max	06	08	04	06	05	07	08	15	15
Min	53.4	194.3	77.0	20.9	15.3	4.3	4.6	.0	.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)

4/9/2015

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	4.6	.6	1.9	4.6	.9	5.0	2.1	2.5	.04
01:00	6.4	1.5	3.5	6.5	1.9	7.0	1.6	1.9	.01
02:00	5.6	.8	3.0	5.6	1.1	6.1	1.0	1.4	.02
03:00	5.6	.4	2.9	5.7	.8	6.1	2.5	.8	.04
04:00	4.7	.0	3.2	4.8	.3	5.2	1.3	.2	.01
05:00	2.8	.2	.6	2.8	.6	3.1	3.9	1.0	.05
06:00	2.4	.1	.8	2.5	.6	2.8	3.2	1.8	.04
07:00	1.2	.5	1.4	1.6	.8	2.0	2.5	1.1	.04
08:00	.1	.5	.9	.1	1.0	.3	4.1	1.0	.07
09:00	4.7	2.5	3.2	4.9	3.1	5.2	-2.0	-1.3	-.15
10:00	5.9	4.5	5.5	6.1	5.1	6.7	-.2	-1.2	-.16
11:00	8.2	6.6	8.0	8.9	7.3	9.6	-.2	.9	-.24
12:00	13.5	9.2	11.9	14.1	10.2	15.0	.4	2.1	-.16
13:00	13.7	10.2	12.6	14.5	11.0	15.6	2.1	2.6	.08
14:00	13.7	9.5	12.1	14.5	10.3	15.4	3.2	2.4	.15
15:00	15.0	10.3	13.1	15.7	10.9	16.6	.6	.9	-.28
16:00	13.5	9.2	11.9	14.1	10.0	15.1	2.9	2.5	.24
17:00	13.5	9.1	11.6	14.1	9.8	15.0	1.0	1.5	-.07
18:00	12.3	8.3	10.4	12.8	9.0	13.7	-.6	1.2	-.29
19:00	11.1	6.8	9.2	11.5	7.5	12.3	.2	1.2	-.14
20:00	9.5	4.9	7.3	9.7	5.5	10.4	-.1	.4	-.13
21:00	10.2	4.8	7.6	10.3	5.3	11.0	-.5	-1.0	-.15
22:00	9.0	3.8	6.6	9.1	4.3	9.7	-.9	.5	-.14
23:00	8.6	4.1	6.6	8.8	4.7	9.3	-1.7	-.9	-.19
Avg	.0	4.5	6.5	8.5	5.1	9.1	1.1	1.0	-.05
Max	15.0	10.3	13.1	15.7	11.0	16.6	4.1	2.6	.24
Hr. of Max	15	15	15	15	13	15	08	13	16
Min	.1	.0	.6	.1	.3	.3	-2.0	-1.3	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/9/2015

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	.22	2.5	3.2	7.1	2.6	7.5	5.3	2.2
01:00	.22	4.8	6.2	12.6	5.3	9.6	6.7	2.6
02:00	.15	2.1	11.4	15.3	2.6	9.1	7.0	2.4
03:00	.08	3.4	7.8	10.1	2.9	8.2	8.3	2.9
04:00	.02	.9	5.0	10.1	1.2	7.0	6.7	2.5
05:00	.05	1.1	6.4	8.2	1.5	5.4	7.0	4.4
06:00	.08	1.1	3.2	3.9	1.5	4.3	5.8	3.9
07:00	.04	2.5	6.4	6.4	2.3	4.1	6.9	5.2
08:00	.01	1.8	2.3	2.5	2.1	2.9	13.5	9.2
09:00	-.16	7.8	8.2	9.4	8.2	10.5	15.4	6.2
10:00	-.25	8.9	11.9	10.1	9.6	11.1	15.7	13.3
11:00	-.03	19.9	21.3	23.1	21.5	27.4	17.3	14.5
12:00	.28	21.8	24.7	27.9	24.3	31.0	15.4	12.4
13:00	.24	28.6	31.4	30.9	31.1	36.1	17.3	14.9
14:00	.25	25.0	28.6	35.3	25.1	32.9	17.9	13.4
15:00	-.09	24.0	29.8	31.6	26.4	31.1	16.1	11.8
16:00	.32	22.2	25.2	27.2	24.2	28.8	16.7	12.9
17:00	.12	24.0	40.8	43.5	23.2	29.3	15.7	12.3
18:00	.05	22.2	22.9	28.4	23.5	31.5	14.4	11.4
19:00	.10	16.9	19.0	21.3	17.7	24.5	15.2	9.9
20:00	-.04	13.3	18.8	21.1	13.5	19.6	13.6	8.5
21:00	-.26	11.0	15.8	16.7	13.0	17.7	12.8	6.9
22:00	.03	11.2	16.3	17.4	10.7	16.5	11.2	6.3
23:00	-.22	11.9	18.1	18.1	15.0	20.2	10.7	7.4
Avg	.05	12.0	16.0	18.3	12.9	17.8	12.2	8.2
Max	.32	28.6	40.8	43.5	31.1	36.1	17.9	14.9
Hr. of Max	16	13	17	17	13	13	14	13
Min	-.26	.9	2.3	2.5	1.2	2.9	5.3	2.2
Count	24	24	24	24	24	24	24	24
Total								