Date Printed: 08/22/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2015

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	19.8	20.2	.25	.51	.96	.26	.71
01:00	19.1	19.4	19.6	19.9	.28	.54	.86	.26	.58
02:00	18.8	19.2	19.6	19.9	.48	.83	1.16	.35	.68
03:00	18.4	18.9	19.2	19.6	.54	.89	1.23	.35	.69
04:00	17.9	18.5	18.8	19.2	.64	.91	1.29	.27	.65
05:00	17.9	18.4	18.7	18.9	.57	.83	1.03	.27	.46
06:00	17.4	18.0	18.2	18.4	.62	.88	1.05	.26	.43
07:00	17.4	17.8	18.0	18.2	.46	.68	.79	.22	.33
08:00	19.0	19.0	18.9	18.9	-.04	-.15	-.19	-.12	-.16
09:00	21.4	21.0	20.8	20.8	-.31	-.51	-.58	-.20	-.26
10:00	23.0	22.5	22.1	21.9	-.53	-.88	-1.06	-.35	-.53
11:00	24.3	23.5	23.2	23.0	-.76	-1.13	-1.34	-.37	-.59
12:00	25.5	24.6	24.3	24.0	-.92	-1.28	-1.50	-.36	-.58
13:00	26.2	25.3	25.0	24.9	-.89	-1.20	-1.32	-.31	-.43
14:00	27.1	26.2	25.9	25.8	-.86	-1.18	-1.31	-.32	-.45
15:00	27.6	26.8	26.5	26.4	-.79	-1.06	-1.22	-.27	-.43
16:00	28.0	27.3	27.0	26.8	-.73	-1.07	-1.22	-.34	-.49
17:00	28.0	27.4	27.2	27.0	-.53	-.80	-.94	-.27	-.41
18:00	25.4	26.0	26.7	26.9	.62	1.31	1.49	.68	.87
19:00	22.8	24.4	25.5	25.9	1.57	2.65	3.04	1.08	1.47
20:00	20.4	22.1	23.3	23.9	1.77	2.97	3.52	1.20	1.74
21:00	19.2	20.9	21.5	22.1	1.69	2.27	2.91	.58	1.22
22:00	18.4	19.7	20.3	20.9	1.36	1.97	2.51	.61	1.14
23:00	17.9	19.3	19.5	20.0	1.31	1.51	2.10	.20	.79
Avg	21.7	21.9	22.1	22.2	.24	.40	.55	.15	.31
Max	28.0	27.4	27.2	27.0	1.77	2.97	3.52	1.20	1.74
Hr. of Max	17	17	17	17	20	20	20	20	20
Min	17.4	17.8	18.0	18.2	-.92	-1.28	-1.50	-.37	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2015

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	18.2	18.5	18.6	24.8	95.6	95.9	15.5	15.8	0.01349
01:00	18.1	18.4	18.4	24.7	95.8	96.5	15.4	15.8	0.013366
02:00	17.8	18.4	18.1	24.6	95.9	96.8	15.1	15.7	0.01311
03:00	17.4	18.1	17.7	24.5	95.9	97.4	14.8	15.5	0.012784
04:00	16.9	17.8	17.2	24.4	96.0	97.4	14.4	15.1	0.012425
05:00	17.0	17.6	17.3	24.3	96.5	96.7	14.5	15.0	0.012481
06:00	16.5	16.9	16.8	24.2	96.5	95.2	14.0	14.3	0.012078
07:00	16.5	16.4	16.8	24.1	96.5	93.2	14.0	13.9	0.01207
08:00	16.3	15.6	17.2	24.0	86.0	82.2	13.8	13.2	0.011941
09:00	15.9	15.2	17.7	23.9	72.6	70.7	13.3	12.8	0.011611
10:00	15.6	14.8	18.1	23.9	64.5	63.1	13.0	12.4	0.011418
11:00	16.4	15.6	19.0	23.9	62.8	62.5	13.7	13.0	0.012038
12:00	16.9	16.1	19.8	24.0	60.5	60.6	14.1	13.4	0.012476
13:00	16.7	15.8	19.9	24.1	57.4	57.0	13.9	13.2	0.012324
14:00	16.6	15.8	20.1	24.3	54.0	53.8	13.8	13.1	0.012249
15:00	15.9	15.3	19.8	24.5	50.4	50.7	13.2	12.7	0.01175
16:00	15.5	14.7	19.7	24.6	47.7	47.4	12.8	12.2	0.011432
17:00	15.3	14.7	19.5	24.8	47.5	46.9	12.7	12.2	0.011314
18:00	16.9	15.7	19.7	25.0	61.1	54.4	14.1	13.0	0.012495
19:00	17.8	16.2	19.5	25.1	75.3	61.8	15.0	13.5	0.013195
20:00	17.1	16.4	18.2	25.1	83.3	71.7	14.4	13.8	0.012584
21:00	17.0	17.1	17.7	25.2	88.6	80.7	14.4	14.4	0.012459
22:00	16.6	17.2	17.2	25.1	91.2	87.4	14.1	14.6	0.012152
23:00	16.5	17.2	17.0	25.1	92.9	89.7	14.0	14.6	0.012049
Avg	16.7	16.5	18.4	24.5	77.7	75.4	14.1	13.9	0.012304
Max	18.2	18.5	20.1	25.2	96.5	97.4	15.5	15.8	0.01349
Hr. of Max	00	00	14	21	07	04	00	01	00
Min	15.3	14.7	16.8	23.9	47.5	46.9	12.7	12.2	0.011314
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2015

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	0.01375	21.0	21.4	.00	29.16	987.4	-3.1	.00	264.5
01:00	0.013692	20.8	21.3	.00	29.16	987.4	-1.7	.00	345.8
02:00	0.013627	20.4	21.2	.00	29.14	986.9	-1.2	.00	314.0
03:00	0.013432	19.9	20.9	.00	29.14	986.7	-1.1	.00	294.8
04:00	0.013121	19.3	20.4	.00	29.15	987.0	-1.5	.00	264.9
05:00	0.012952	19.4	20.1	.00	29.15	987.2	-.9	.00	14.2
06:00	0.012382	18.8	19.3	.00	29.16	987.5	-1.5	.00	332.6
07:00	0.012006	18.8	18.7	.00	29.18	988.1	42.1	.06	12.3
08:00	0.011385	18.6	17.8	.00	29.19	988.5	195.1	.28	72.0
09:00	0.011085	18.1	17.3	.00	29.20	988.8	431.7	.62	55.2
10:00	0.010821	17.8	16.9	.00	29.21	989.1	633.7	.91	60.4
11:00	0.011438	18.8	17.9	.00	29.21	989.3	797.6	1.14	58.8
12:00	0.011836	19.4	18.5	.00	29.20	989.0	930.8	1.33	82.3
13:00	0.011619	19.2	18.1	.00	29.20	989.0	930.8	1.33	101.1
14:00	0.011584	19.1	18.1	.00	29.19	988.6	884.5	1.27	101.6
15:00	0.011283	18.3	17.6	.00	29.18	988.1	812.5	1.16	351.5
16:00	0.010871	17.8	17.0	.00	29.16	987.5	695.7	1.00	27.2
17:00	0.010844	17.6	16.9	.00	29.14	986.9	429.2	.62	344.2
18:00	0.011531	19.4	18.0	.00	29.14	986.9	212.4	.30	323.8
19:00	0.011913	20.5	18.5	.00	29.14	986.8	82.0	.12	319.9
20:00	0.012066	19.6	18.8	.00	29.15	987.0	2.8	.00	335.8
21:00	0.012589	19.4	19.6	.00	29.16	987.4	-1.3	.00	351.0
22:00	0.01267	18.9	19.7	.00	29.18	988.2	-1.7	.00	314.6
23:00	0.012633	18.8	19.7	.00	29.18	988.3	-2.4	.00	9.6
Avg	0.01213	19.2	18.9	.00	29.17	987.8	294.4	.42	1.0
Max	0.01375	21.0	21.4	.00	29.21	989.3	930.8	1.33	351.5
Hr. of Max	00	00	00	23	11	11	13	13	15
Min	0.010821	17.6	16.9	.00	29.14	986.7	-3.1	.00	9.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2015

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	161.2	214.8	259.3	188.3	21.5	33.4	52.5	.5	.5
01:00	54.9	37.4	348.0	54.1	28.1	27.3	16.4	.5	1.2
02:00	40.9	33.3	312.6	29.7	50.6	32.8	10.5	.4	1.3
03:00	18.5	25.0	287.4	19.3	46.2	32.1	16.3	.6	1.3
04:00	29.6	19.1	266.3	13.7	36.6	36.5	13.0	.5	.8
05:00	44.0	44.0	12.2	40.1	26.8	28.1	9.6	1.2	1.8
06:00	38.6	26.2	330.6	20.4	43.0	19.3	13.1	.6	1.9
07:00	56.1	56.4	21.7	53.2	16.3	12.8	7.6	1.1	2.0
08:00	75.7	64.4	75.7	62.5	31.4	21.4	16.6	1.6	2.2
09:00	53.6	46.6	59.9	42.6	36.7	26.7	17.7	2.3	3.7
10:00	53.7	50.5	63.8	46.8	33.5	20.4	13.1	3.8	6.3
11:00	58.6	54.7	57.4	50.6	35.6	26.4	20.6	3.4	5.0
12:00	78.5	72.4	84.0	68.1	30.3	26.8	23.8	4.6	5.2
13:00	94.2	86.1	102.4	82.4	36.9	35.9	38.9	3.4	3.7
14:00	96.1	88.9	100.8	88.2	56.2	45.9	50.3	2.4	2.4
15:00	10.1	3.1	356.6	358.5	55.0	50.3	38.9	1.7	2.4
16:00	28.6	26.6	34.7	19.7	52.6	47.5	44.0	1.0	1.8
17:00	6.8	7.8	349.9	1.9	40.9	30.0	24.3	1.9	3.1
18:00	18.2	23.8	327.0	17.6	15.8	13.3	11.8	1.3	2.9
19:00	48.5	63.1	322.2	61.4	23.1	17.4	13.4	.9	1.7
20:00	54.3	61.8	341.8	59.4	15.6	10.4	4.9	.9	2.1
21:00	63.2	61.4	2.6	59.2	28.9	10.2	4.9	.6	1.7
22:00	64.1	55.3	310.9	54.2	55.7	11.2	12.3	.5	.6
23:00	73.8	57.3	16.1	54.8	18.6	7.4	8.8	1.0	1.7
Avg	53.0	47.0	4.0	45.0	34.8	26.0	20.1	.0	.0
Max	161.2	214.8	356.6	358.5	56.2	50.3	52.5	4.6	6.3
Hr. of Max	00	00	15	15	14	15	00	12	10
Min	6.8	3.1	2.6	1.9	15.6	7.4	4.9	.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)

8/21/2015

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	.6	.6	.4	1.0	.7	1.5	1.4	.01
01:00	1.5	.6	1.4	1.7	.9	2.0	2.0	1.6	.02
02:00	2.0	.9	1.5	2.2	1.2	2.4	1.5	2.4	.01
03:00	1.9	.8	1.4	2.0	1.1	2.3	.5	2.9	.01
04:00	2.2	.6	1.0	2.3	1.1	2.5	1.5	.5	.02
05:00	2.5	1.4	2.0	2.6	1.6	2.9	-1.2	.3	-.07
06:00	3.2	1.0	2.1	3.5	1.4	3.7	-1.2	1.9	-.07
07:00	3.0	1.1	2.1	3.1	1.3	3.3	-2.7	-.1	-.09
08:00	2.6	1.8	2.4	2.7	2.2	3.1	-.1	6.1	.02
09:00	5.1	2.6	4.0	5.4	3.1	5.8	-1.9	3.1	-.18
10:00	8.0	4.3	6.6	8.2	4.8	8.6	-.6	1.2	-.28
11:00	6.0	4.2	5.6	6.3	4.7	6.9	-.9	-.1	-.24
12:00	5.9	5.0	5.7	6.3	5.6	6.8	.3	.0	-.09
13:00	4.1	4.1	4.4	4.7	4.7	5.3	-4.6	-6.0	-.37
14:00	2.4	3.2	3.4	3.5	3.8	4.1	2.5	12.0	.13
15:00	2.8	2.3	3.1	3.4	2.8	4.1	-5.3	-5.5	-.42
16:00	2.2	2.7	3.2	3.5	3.2	4.0	-.3	-2.3	-.09
17:00	3.8	2.5	3.7	4.2	2.9	4.8	-1.2	3.1	-.27
18:00	3.4	1.3	3.0	3.6	1.7	3.8	-5.2	1.3	-.20
19:00	2.3	.9	1.8	2.3	1.1	2.6	2.7	3.9	.07
20:00	2.6	1.0	2.2	2.7	1.2	2.9	3.0	2.1	.05
21:00	2.8	.7	1.8	2.8	1.0	3.1	2.6	3.2	.04
22:00	1.2	.6	.6	1.3	.9	1.5	-.4	1.5	-.01
23:00	1.9	1.1	1.8	1.9	1.3	2.2	2.7	1.6	.04
Avg	.0	1.9	2.7	3.4	2.3	3.7	-.2	1.5	-.08
Max	8.0	5.0	6.6	8.2	5.6	8.6	3.0	12.0	.13
Hr. of Max	10	12	10	10	12	10	20	14	14
Min	.2	.6	.6	.4	.9	.7	-5.3	-6.0	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/21/2015

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	2.5	3.4	1.4	2.5	1.7	9.1	10.7
01:00	.08	2.1	3.4	3.4	2.6	3.6	11.8	5.4
02:00	.09	2.7	3.4	4.6	3.1	4.7	9.4	6.6
03:00	.11	2.7	6.0	6.2	2.8	5.0	9.5	8.0
04:00	.04	2.3	3.4	4.4	2.5	4.6	11.1	6.1
05:00	-.01	2.7	3.9	5.3	3.0	5.6	8.2	5.0
06:00	.11	3.2	4.6	5.3	3.6	6.1	11.7	6.2
07:00	.01	2.5	5.5	7.6	3.0	5.4	9.4	4.8
08:00	.26	5.5	5.5	8.0	6.4	7.0	19.7	16.4
09:00	.19	10.3	10.5	13.1	11.0	13.5	23.1	15.3
10:00	.00	13.1	15.8	17.2	13.5	16.8	23.1	12.6
11:00	-.15	11.4	12.4	14.0	11.5	14.7	23.0	16.5
12:00	-.06	12.1	11.9	16.0	12.5	13.2	18.3	17.8
13:00	-.67	10.5	10.1	14.7	11.0	12.1	20.4	22.3
14:00	.82	12.4	14.4	12.1	10.5	13.8	22.8	29.3
15:00	-.44	11.9	18.3	17.6	9.4	11.9	29.2	26.1
16:00	-.34	8.7	9.8	10.5	10.6	11.9	24.5	27.0
17:00	.15	7.3	9.2	9.8	8.2	9.3	24.9	17.6
18:00	.06	7.6	9.2	9.2	4.1	6.4	12.0	6.0
19:00	.16	2.7	3.4	5.0	2.9	5.4	11.4	10.5
20:00	.11	3.0	4.1	4.4	2.7	4.5	8.0	3.5
21:00	.19	2.7	5.7	7.8	2.4	4.4	8.2	3.2
22:00	.06	3.0	2.5	3.0	3.0	2.9	7.2	5.7
23:00	.07	3.2	4.1	3.7	2.3	3.2	7.4	4.1
Avg	.04	6.1	7.5	8.5	6.0	7.8	15.1	11.9
Max	.82	13.1	18.3	17.6	13.5	16.8	29.2	29.3
Hr. of Max	14	10	15	15	10	10	15	14
Min	-.67	2.1	2.5	1.4	2.3	1.7	7.2	3.2
Count	24	24	24	24	24	24	24	24
Total								