Date Printed: 01/26/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2015

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	-2.1	.0	1.6	2.2	2.12	3.76	4.33	1.64	2.21
01:00	-2.4	.0	1.4	2.3	2.36	3.79	4.65	1.43	2.29
02:00	-2.6	-.1	1.5	2.1	2.53	4.13	4.66	1.60	2.13
03:00	-2.9	-.8	.3	1.4	2.07	3.19	4.25	1.12	2.18
04:00	-3.2	-1.7	.5	1.5	1.45	3.66	4.64	2.21	3.18
05:00	-3.3	-1.6	-.1	1.4	1.67	3.16	4.65	1.48	2.98
06:00	-3.4	-1.6	-.5	.6	1.80	2.94	4.04	1.13	2.24
07:00	-3.9	-1.9	-1.0	.3	1.97	2.90	4.21	.93	2.24
08:00	-2.6	-1.8	-.8	.7	.79	1.81	3.36	1.02	2.57
09:00	1.2	1.1	1.6	2.0	-.07	.39	.81	.46	.88
10:00	4.2	3.7	3.4	3.4	-.53	-.76	-.83	-.23	-.30
11:00	6.6	5.8	5.6	5.4	-.75	-1.01	-1.12	-.25	-.36
12:00	9.6	8.8	8.5	8.3	-.82	-1.16	-1.30	-.33	-.48
13:00	11.1	10.5	10.1	10.0	-.69	-1.02	-1.17	-.33	-.48
14:00	12.3	11.9	11.7	11.5	-.39	-.66	-.80	-.27	-.41
15:00	11.7	11.7	11.5	11.4	.00	-.19	-.26	-.19	-.26
16:00	11.1	11.3	11.2	11.1	.16	.03	.02	-.13	-.14
17:00	10.8	11.1	11.0	11.1	.31	.24	.26	-.07	-.05
18:00	10.7	11.0	10.9	11.0	.35	.29	.34	-.06	.00
19:00	10.5	10.7	10.6	10.7	.26	.17	.18	-.09	-.08
20:00	10.1	10.3	10.2	10.2	.26	.13	.11	-.12	-.14
21:00	8.7	9.2	9.2	9.3	.48	.46	.52	-.02	.04
22:00	6.8	7.4	7.5	7.6	.61	.70	.83	.09	.22
23:00	6.0	6.4	6.5	6.6	.46	.51	.65	.06	.19
Avg	4.4	5.1	5.5	5.9	.68	1.14	1.54	.46	.86
Max	12.3	11.9	11.7	11.5	2.53	4.13	4.66	2.21	3.18
Hr. of Max	14	14	14	14	02	02	02	04	04
Min	-3.9	-1.9	-1.0	.3	-.82	-1.16	-1.30	-.33	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2015

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	-3.2	-2.7	-2.8	5.2	92.9	82.2	3.9	4.0	0.003075
01:00	-3.4	-2.5	-3.0	5.0	93.3	83.7	3.8	4.0	0.003031
02:00	-3.6	-2.3	-3.3	4.9	93.1	85.2	3.7	4.1	0.002975
03:00	-3.9	-2.6	-3.6	4.7	92.8	88.0	3.7	4.0	0.002902
04:00	-4.3	-3.0	-3.9	4.6	92.7	91.2	3.6	3.9	0.002835
05:00	-4.4	-2.9	-4.0	4.4	92.7	91.2	3.6	3.9	0.002814
06:00	-4.5	-2.9	-4.2	4.3	92.5	91.6	3.5	3.9	0.002779
07:00	-5.0	-3.1	-4.6	4.2	92.3	92.0	3.4	3.9	0.002682
08:00	-3.8	-3.3	-3.4	4.1	92.3	90.0	3.7	3.8	0.002952
09:00	-.9	-2.3	-.2	4.0	86.4	78.5	4.5	4.1	0.003645
10:00	-.7	-1.8	.9	4.0	70.8	67.9	4.5	4.2	0.003704
11:00	-.5	-1.4	1.9	4.0	61.4	60.3	4.6	4.3	0.003786
12:00	-.1	-.9	3.2	4.2	51.4	51.2	4.7	4.4	0.003914
13:00	.1	-.5	3.8	4.4	47.1	47.1	4.7	4.5	0.003981
14:00	-.8	-1.5	3.6	4.7	40.9	39.9	4.4	4.2	0.003741
15:00	-1.1	-1.7	3.2	5.1	41.7	40.0	4.3	4.2	0.003661
16:00	-.6	-1.2	3.3	5.4	44.7	42.5	4.5	4.3	0.003776
17:00	-.3	-.8	3.4	5.6	46.7	44.0	4.6	4.4	0.003866
18:00	.2	-.3	3.7	5.8	49.0	46.1	4.8	4.6	0.004013
19:00	.9	.5	4.1	5.8	52.0	49.9	5.0	4.9	0.004206
20:00	1.7	1.4	4.5	5.9	56.6	54.5	5.3	5.2	0.004462
21:00	3.3	3.0	5.1	5.9	70.3	66.4	6.0	5.9	0.005025
22:00	5.2	5.0	5.7	6.0	90.7	85.7	6.9	6.7	0.005699
23:00	5.0	5.0	5.3	6.0	94.3	91.7	6.8	6.8	0.005624
Avg	-1.0	-1.0	.8	4.9	72.4	69.2	4.5	4.5	0.003715
Max	5.2	5.0	5.7	6.0	94.3	92.0	6.9	6.8	0.005699
Hr. of Max	22	23	22	23	23	07	22	23	22
Min	-5.0	-3.3	-4.6	4.0	40.9	39.9	3.4	3.8	0.002682
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2015

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	0.003178	4.8	5.0	.00	29.03	983.0	-2.2	.00	246.0
01:00	0.003234	4.8	5.1	.00	29.02	982.7	-2.3	.00	281.2
02:00	0.003279	4.7	5.2	.00	29.02	982.6	-2.7	.00	252.8
03:00	0.003206	4.6	5.0	.00	29.01	982.4	-2.3	.00	240.6
04:00	0.003106	4.5	4.9	.00	29.00	982.2	-2.7	.00	232.2
05:00	0.003136	4.4	4.9	.00	29.00	982.0	-2.3	.00	67.5
06:00	0.003144	4.4	4.9	.00	28.99	981.6	-2.6	.00	61.8
07:00	0.003098	4.2	4.9	.00	28.98	981.4	.8	.00	215.6
08:00	0.003045	4.6	4.8	.00	28.98	981.3	149.8	.21	237.0
09:00	0.003298	5.7	5.2	.00	28.97	981.1	337.3	.48	219.8
10:00	0.003426	5.8	5.4	.00	28.96	980.9	401.6	.58	213.6
11:00	0.003532	5.9	5.5	.00	28.93	979.9	534.9	.77	219.2
12:00	0.003686	6.1	5.8	.00	28.89	978.4	609.2	.87	220.8
13:00	0.003796	6.2	5.9	.00	28.85	977.1	528.8	.76	200.7
14:00	0.003553	5.8	5.5	.00	28.80	975.5	329.0	.47	204.1
15:00	0.003508	5.7	5.5	.00	28.79	974.9	92.6	.13	207.4
16:00	0.003634	5.9	5.7	.00	28.79	974.9	35.8	.05	209.3
17:00	0.003721	6.0	5.8	.00	28.79	975.0	10.7	.02	256.4
18:00	0.003863	6.3	6.0	.00	28.80	975.3	-1.8	.00	219.2
19:00	0.00411	6.6	6.4	.00	28.81	975.7	-2.2	.00	211.4
20:00	0.004374	6.9	6.8	.00	28.81	975.6	-1.7	.00	203.9
21:00	0.00491	7.8	7.6	.02	28.79	975.1	-2.2	.00	217.4
22:00	0.005614	8.9	8.7	.03	28.80	975.3	-2.1	.00	235.0
23:00	0.005641	8.7	8.8	.00	28.79	974.9	-2.0	.00	231.3
Avg	0.003712	5.8	5.8	.00	28.90	978.7	125.1	.18	223.0
Max	0.005641	8.9	8.8	.03	29.03	983.0	609.2	.87	281.2
Hr. of Max	23	22	23	22	00	00	12	12	01
Min	0.003045	4.2	4.8	.00	28.79	974.9	-2.7	.00	61.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2015

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	251.7	221.3	245.0	224.0	41.4	17.6	4.9	.7	1.9
01:00	242.9	208.2	270.5	210.6	44.9	7.2	5.0	.4	2.0
02:00	248.9	214.5	254.0	217.0	21.7	7.7	5.6	.8	2.7
03:00	234.3	219.4	247.0	221.9	36.2	24.4	5.0	.5	1.2
04:00	251.9	229.6	237.7	232.3	27.7	7.7	5.4	1.0	2.7
05:00	230.3	252.8	63.5	254.7	32.6	38.2	15.4	.2	1.2
06:00	40.7	133.4	60.4	93.2	22.0	11.2	27.6	.2	.9
07:00	25.6	28.7	258.5	25.1	58.8	38.9	18.1	.3	.3
08:00	203.5	291.2	242.3	285.9	23.5	24.2	33.8	1.1	1.1
09:00	241.7	254.5	225.5	256.0	16.8	17.2	14.5	2.1	2.7
10:00	229.1	233.1	220.1	234.8	25.3	24.1	21.1	3.1	3.7
11:00	226.1	225.0	225.7	227.2	29.2	27.3	26.6	3.6	4.2
12:00	224.3	220.2	227.9	223.0	20.7	17.5	13.9	8.0	10.3
13:00	209.2	206.3	208.2	208.4	27.4	23.1	19.8	6.8	8.7
14:00	210.6	209.5	209.1	212.2	24.2	21.6	18.5	7.0	9.0
15:00	214.9	212.2	214.3	214.4	23.9	18.8	15.6	5.4	7.6
16:00	214.1	210.7	214.6	213.2	21.0	16.8	12.3	4.4	6.4
17:00	255.7	248.2	262.7	250.8	18.0	13.0	9.8	5.3	8.0
18:00	224.4	221.0	224.4	223.7	26.7	22.9	18.4	4.8	7.3
19:00	215.1	210.8	217.4	213.6	23.6	16.2	11.8	4.1	6.4
20:00	209.4	203.5	210.2	205.6	25.6	19.8	16.7	3.4	5.1
21:00	216.2	210.4	223.4	213.0	20.1	15.5	12.3	3.9	6.3
22:00	240.0	236.6	240.7	239.1	18.7	13.6	11.5	3.4	6.0
23:00	223.5	215.3	237.4	218.0	12.6	7.9	5.9	2.8	5.1
Avg	229.0	222.0	231.0	225.0	26.8	18.9	14.6	.0	.0
Max	255.7	291.2	270.5	285.9	58.8	38.9	33.8	8.0	10.3
Hr. of Max	17	08	01	08	07	07	08	12	12
Min	25.6	28.7	60.4	25.1	12.6	7.2	4.9	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2015

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	4.3	.8	2.0	4.3	1.3	4.8	1.7	.9	.03
01:00	4.0	.5	2.1	4.0	1.0	4.4	1.7	.9	.02
02:00	4.3	.9	2.7	4.3	1.4	4.7	1.3	.8	.03
03:00	2.9	.5	1.3	3.0	1.1	3.4	1.4	.4	.02
04:00	4.9	1.0	2.7	5.0	1.6	5.4	.4	1.5	.00
05:00	3.7	.3	1.3	3.8	.7	4.2	3.2	2.0	.04
06:00	.2	.2	.9	.4	.6	.7	2.9	-1.5	.04
07:00	.6	.3	.4	.7	.8	1.2	2.0	-1.1	.03
08:00	1.0	1.1	1.2	1.1	1.7	1.4	1.6	1.8	.00
09:00	3.3	2.3	2.9	3.6	2.8	4.0	-.2	-.3	-.05
10:00	4.1	3.4	4.0	4.3	4.0	5.0	1.5	2.1	.04
11:00	4.4	4.1	4.7	4.8	4.6	5.5	1.3	.6	.02
12:00	12.1	8.5	10.7	12.5	9.3	13.3	-.4	.5	-.32
13:00	10.3	7.5	9.4	10.9	8.3	11.7	1.6	2.9	-.10
14:00	11.1	7.7	9.7	11.7	8.5	12.5	2.5	2.8	.12
15:00	9.0	6.0	8.0	9.4	6.6	10.0	.9	.7	-.07
16:00	8.3	4.7	6.8	8.5	5.2	9.0	1.1	.2	-.05
17:00	10.3	5.6	8.3	10.6	6.2	11.2	-1.5	.8	-.30
18:00	9.7	5.7	8.2	10.6	6.5	11.4	-.5	.9	-.23
19:00	8.4	4.4	6.6	8.6	5.1	9.2	.9	.0	-.06
20:00	6.8	3.6	5.4	7.1	4.1	7.6	.2	1.0	-.09
21:00	8.1	4.5	6.8	8.5	4.9	9.0	-.4	.5	-.08
22:00	8.1	3.7	6.4	8.6	4.2	9.1	-.8	1.5	-.16
23:00	7.0	2.9	5.1	7.0	3.4	7.6	-1.7	.7	-.14
Avg	.0	3.3	4.9	6.4	3.9	6.9	.9	.9	-.05
Max	12.1	8.5	10.7	12.5	9.3	13.3	3.2	2.9	.12
Hr. of Max	12	12	12	12	12	12	05	13	14
Min	.2	.2	.4	.4	.6	.7	-1.7	-1.5	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/25/2015

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	.07	2.1	4.1	7.1	2.7	8.0	5.5	2.8
01:00	.07	3.9	4.4	9.4	3.0	6.1	7.2	2.5
02:00	.06	2.7	5.7	7.1	3.4	7.4	6.3	2.6
03:00	.02	1.8	3.4	5.5	2.3	5.6	5.5	2.4
04:00	.14	3.7	4.4	6.6	4.3	7.2	5.9	2.5
05:00	.11	2.5	2.5	7.8	2.5	6.7	8.2	5.6
06:00	-.02	1.6	1.6	1.8	1.9	2.3	7.9	6.2
07:00	-.02	1.4	2.5	1.8	1.9	2.3	6.8	8.0
08:00	.05	3.4	3.2	3.4	4.0	3.7	10.0	11.5
09:00	-.09	7.8	7.8	7.8	7.8	8.8	9.0	8.9
10:00	.09	9.8	8.9	9.2	10.3	10.2	18.4	17.4
11:00	-.09	11.0	10.3	10.8	10.7	12.2	19.7	21.5
12:00	-.06	18.1	22.0	20.8	19.2	23.4	14.6	10.7
13:00	.20	18.3	24.7	23.1	21.2	23.3	17.3	15.3
14:00	.40	19.7	30.0	31.6	21.6	28.4	16.1	12.7
15:00	-.02	16.3	18.8	20.2	16.7	21.5	15.4	10.1
16:00	-.07	14.4	17.2	18.5	12.4	15.8	15.1	9.0
17:00	.08	12.8	15.3	18.1	15.7	17.7	12.3	6.6
18:00	.00	18.5	18.3	20.8	17.0	22.7	13.9	9.2
19:00	-.10	13.3	17.6	21.8	14.7	21.3	15.2	9.6
20:00	-.01	21.8	17.9	25.9	10.8	16.6	16.5	13.2
21:00	.03	18.5	19.9	20.8	17.9	21.8	11.8	8.0
22:00	.23	14.4	20.2	27.5	14.4	29.1	9.6	5.9
23:00	.08	8.0	12.8	16.7	6.3	11.5	7.9	4.0
Avg	.05	10.2	12.2	14.3	10.1	13.9	11.5	8.6
Max	.40	21.8	30.0	31.6	21.6	29.1	19.7	21.5
Hr. of Max	14	20	14	14	14	22	11	11
Min	-.10	1.4	1.6	1.8	1.9	2.3	5.5	2.4
Count	24	24	24	24	24	24	24	24
Total								