Date Printed: 03/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/28/2015

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	-3.3	-2.8	-2.8	-2.8	.54	.49	.50	-.04	-.04
01:00	-2.8	-2.6	-2.8	-2.8	.15	.02	-.04	-.12	-.19
02:00	-2.9	-2.8	-3.0	-3.1	.09	-.08	-.18	-.17	-.27
03:00	-3.0	-2.9	-3.1	-3.2	.07	-.09	-.20	-.16	-.27
04:00	-3.0	-2.9	-3.1	-3.2	.09	-.07	-.19	-.16	-.27
05:00	-3.5	-3.2	-3.4	-3.4	.23	.10	.02	-.12	-.21
06:00	-3.7	-3.4	-3.6	-3.6	.22	.10	.02	-.12	-.19
07:00	-3.0	-3.1	-3.3	-3.4	-.07	-.27	-.40	-.20	-.33
08:00	-2.1	-2.4	-2.7	-2.9	-.30	-.59	-.78	-.29	-.49
09:00	-.7	-1.3	-1.7	-1.9	-.57	-.97	-1.22	-.39	-.64
10:00	.7	-.2	-.5	-.7	-.86	-1.21	-1.41	-.34	-.55
11:00	2.7	1.7	1.4	1.2	-.93	-1.28	-1.50	-.35	-.57
12:00	4.5	3.6	3.3	3.1	-.87	-1.18	-1.36	-.31	-.49
13:00	5.8	5.1	4.8	4.6	-.71	-1.03	-1.22	-.32	-.51
14:00	7.0	6.4	6.1	5.9	-.64	-.96	-1.16	-.31	-.52
15:00	8.1	7.5	7.2	6.9	-.54	-.92	-1.16	-.38	-.62
16:00	8.7	8.2	7.9	7.8	-.49	-.78	-.97	-.29	-.47
17:00	8.2	8.4	8.2	8.1	.14	-.02	-.13	-.16	-.27
18:00	6.8	7.8	7.7	7.7	.94	.87	.85	-.07	-.09
19:00	5.7	6.9	7.0	7.0	1.21	1.24	1.27	.03	.06
20:00	4.5	6.3	6.4	6.6	1.75	1.90	2.05	.15	.30
21:00	2.7	5.1	5.5	5.9	2.43	2.86	3.23	.43	.80
22:00	2.2	4.3	5.0	5.8	2.08	2.73	3.52	.65	1.44
23:00	1.8	3.7	4.4	5.3	1.86	2.54	3.54	.68	1.67
Avg	1.7	2.0	1.9	1.9	.24	.14	.13	-.10	-.11
Max	8.7	8.4	8.2	8.1	2.43	2.86	3.54	.68	1.67
Hr. of Max	16	17	17	17	21	21	23	23	23
Min	-3.7	-3.4	-3.6	-3.6	-.93	-1.28	-1.50	-.39	-.64
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/28/2015

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	-10.5	-13.0	-8.1	1.9	58.1	45.5	2.2	1.8	0.00172
01:00	-11.9	-13.3	-8.9	1.8	49.8	44.3	2.0	1.8	0.001533
02:00	-11.9	-12.9	-8.9	1.8	50.2	45.9	2.0	1.8	0.001537
03:00	-11.5	-12.4	-8.7	1.8	52.2	48.2	2.0	1.9	0.001587
04:00	-11.1	-12.0	-8.4	1.7	54.0	50.1	2.1	2.0	0.001634
05:00	-10.8	-11.7	-8.3	1.7	57.2	52.3	2.2	2.0	0.001676
06:00	-10.7	-11.7	-8.3	1.7	58.7	53.3	2.2	2.0	0.001693
07:00	-10.4	-11.3	-8.0	1.6	57.0	53.7	2.2	2.1	0.001722
08:00	-10.1	-11.0	-7.5	1.6	54.5	52.0	2.3	2.1	0.001764
09:00	-9.8	-10.8	-6.7	1.6	50.7	48.8	2.3	2.2	0.00182
10:00	-9.0	-10.3	-5.8	1.6	48.6	46.7	2.5	2.2	0.001932
11:00	-8.2	-9.7	-4.6	1.6	45.1	42.9	2.6	2.3	0.002068
12:00	-7.2	-8.5	-3.3	1.6	42.9	41.0	2.8	2.5	0.00224
13:00	-6.4	-7.4	-2.3	1.8	41.5	40.4	3.0	2.8	0.002381
14:00	-6.0	-7.0	-1.6	2.1	39.5	38.3	3.1	2.8	0.002467
15:00	-5.4	-6.2	-.9	2.5	38.4	37.6	3.2	3.0	0.002575
16:00	-5.0	-5.6	-.4	2.8	38.0	37.4	3.3	3.1	0.002663
17:00	-4.3	-5.0	-.1	3.1	41.5	38.7	3.5	3.3	0.00281
18:00	-3.6	-4.8	-.1	3.3	48.0	41.2	3.7	3.3	0.002955
19:00	-3.9	-5.0	-.7	3.4	50.6	42.8	3.6	3.3	0.002887
20:00	-3.3	-4.9	-.7	3.4	57.7	45.0	3.8	3.3	0.003017
21:00	-2.9	-5.0	-1.0	3.4	67.3	48.7	3.9	3.3	0.003094
22:00	-2.8	-4.8	-1.1	3.4	69.8	52.1	3.9	3.4	0.003113
23:00	-2.8	-4.0	-1.3	3.3	71.8	57.8	3.9	3.6	0.003106
Avg	-7.5	-8.7	-4.4	2.3	51.8	46.0	2.8	2.6	0.00225
Max	-2.8	-4.0	-.1	3.4	71.8	57.8	3.9	3.6	0.003113
Hr. of Max	23	23	18	22	23	23	23	23	22
Min	-11.9	-13.3	-8.9	1.6	38.0	37.4	2.0	1.8	0.001533
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/28/2015

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	0.001403	2.8	2.3	.00	29.61	1002.9	-2.5	.00	51.3
01:00	0.00138	2.5	2.2	.00	29.61	1002.9	-1.1	.00	55.1
02:00	0.001416	2.5	2.3	.00	29.61	1002.9	-3.1	.00	55.8
03:00	0.001474	2.6	2.4	.00	29.62	1002.9	-2.3	.00	54.5
04:00	0.001527	2.6	2.5	.00	29.62	1003.0	-3.8	-.01	59.2
05:00	0.00156	2.7	2.5	.00	29.62	1003.2	-2.3	.00	52.9
06:00	0.001564	2.7	2.5	.00	29.65	1004.0	-2.2	.00	53.3
07:00	0.001614	2.8	2.6	.00	29.66	1004.4	27.9	.04	58.0
08:00	0.001646	2.8	2.7	.00	29.67	1004.8	169.1	.24	62.4
09:00	0.001679	2.9	2.7	.00	29.69	1005.3	360.0	.52	64.4
10:00	0.001744	3.1	2.8	.00	29.69	1005.5	601.7	.86	87.0
11:00	0.001841	3.3	3.0	.00	29.68	1005.1	728.6	1.04	95.2
12:00	0.002014	3.6	3.2	.00	29.66	1004.5	681.0	.98	96.4
13:00	0.002202	3.8	3.5	.00	29.63	1003.4	691.8	.99	63.7
14:00	0.002284	4.0	3.7	.00	29.60	1002.3	724.2	1.04	97.2
15:00	0.002429	4.1	3.9	.00	29.58	1001.8	515.7	.74	59.6
16:00	0.002533	4.3	4.1	.00	29.57	1001.4	369.6	.53	68.5
17:00	0.002653	4.5	4.3	.00	29.56	1001.1	117.5	.17	56.0
18:00	0.002706	4.7	4.3	.00	29.56	1001.0	3.5	.01	56.0
19:00	0.002656	4.6	4.3	.00	29.56	1001.0	-2.4	.00	56.0
20:00	0.002664	4.8	4.3	.00	29.56	1000.9	-2.0	.00	69.8
21:00	0.00266	5.0	4.3	.00	29.56	1000.9	-2.2	.00	251.9
22:00	0.002696	5.0	4.3	.00	29.56	1001.1	-2.1	.00	13.7
23:00	0.002856	5.0	4.6	.00	29.56	1000.9	-2.4	.00	47.0
Avg	0.00205	3.6	3.3	.00	29.61	1002.8	206.8	.30	61.0
Max	0.002856	5.0	4.6	.00	29.69	1005.5	728.6	1.04	251.9
Hr. of Max	23	23	23	23	10	10	11	14	21
Min	0.00138	2.5	2.2	.00	29.56	1000.9	-3.8	-.01	13.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/28/2015

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	55.9	52.3	51.9	48.5	21.3	10.1	6.0	2.4	5.8
01:00	56.9	53.0	56.7	49.3	27.1	14.2	9.0	3.0	6.1
02:00	56.5	53.6	57.3	49.9	21.5	12.4	8.6	3.9	7.1
03:00	54.4	52.2	54.8	48.4	25.3	14.9	10.4	3.5	6.5
04:00	59.1	58.6	59.5	55.1	24.1	15.0	9.4	3.5	6.9
05:00	56.5	56.1	52.3	52.6	26.5	14.3	10.0	3.2	7.1
06:00	55.9	53.1	55.0	49.4	21.4	13.8	9.7	3.0	5.7
07:00	61.7	58.2	59.7	54.6	26.2	15.7	9.7	3.1	6.0
08:00	61.1	59.5	64.2	56.2	28.5	19.3	13.7	3.8	6.6
09:00	62.6	60.2	65.0	56.7	27.3	22.4	18.3	4.4	6.5
10:00	85.5	80.3	88.0	76.9	20.0	18.2	17.4	5.7	6.2
11:00	94.7	86.0	97.1	82.6	23.3	19.1	16.0	5.0	5.4
12:00	94.7	86.7	98.2	82.6	25.7	22.9	23.1	3.9	4.0
13:00	64.4	60.7	66.2	57.7	46.5	37.4	34.7	2.2	2.6
14:00	80.5	71.3	97.8	61.1	59.0	60.3	65.9	1.7	1.8
15:00	57.2	57.2	63.9	53.7	37.2	29.8	24.8	3.0	3.7
16:00	64.2	61.6	70.0	58.1	30.6	27.2	22.8	3.2	4.1
17:00	57.8	57.0	56.7	53.9	33.5	21.2	16.4	2.2	4.4
18:00	61.6	61.5	57.4	58.1	23.9	14.1	8.6	2.3	5.0
19:00	61.1	58.9	58.3	55.5	20.3	9.7	6.5	1.8	4.6
20:00	63.9	60.2	75.3	56.9	30.4	10.5	5.8	.8	3.5
21:00	189.5	131.6	251.3	159.8	32.5	39.7	16.9	.8	.5
22:00	325.5	279.8	20.6	280.8	35.7	16.3	20.4	.2	.8
23:00	67.3	83.6	57.6	81.1	52.0	24.5	39.1	.3	.6
Avg	64.0	63.0	64.0	59.0	30.0	21.0	17.6	.0	.0
Max	325.5	279.8	251.3	280.8	59.0	60.3	65.9	5.7	7.1
Hr. of Max	22	22	21	22	14	14	14	10	05
Min	54.4	52.2	20.6	48.4	20.0	9.7	5.8	.2	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/28/2015

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	7.6	2.6	5.8	7.7	3.2	8.1	-1.0	-1.0	-.17
01:00	8.0	3.3	6.2	8.1	3.5	8.5	-.5	-1.3	-.21
02:00	9.2	4.1	7.3	9.3	4.6	9.8	-2.5	-1.6	-.42
03:00	8.4	3.8	6.7	8.5	4.3	9.0	-1.1	-.7	-.27
04:00	9.0	3.8	7.1	9.1	4.3	9.5	-.2	-.9	-.20
05:00	9.6	3.4	7.3	9.7	4.0	10.2	.3	-.9	-.18
06:00	7.7	3.1	5.9	7.9	3.5	8.3	.5	-.9	-.13
07:00	8.2	3.4	6.2	8.3	3.9	8.8	1.0	-.5	-.11
08:00	8.6	4.2	6.9	8.8	5.0	9.4	1.6	2.5	-.03
09:00	7.6	5.0	7.0	8.0	5.7	8.6	.7	4.5	-.14
10:00	6.3	6.1	6.5	6.7	6.6	7.2	-2.3	-.3	-.29
11:00	5.7	5.3	5.7	5.9	5.9	6.4	-.5	-.8	-.13
12:00	4.1	4.2	4.3	4.4	4.8	5.1	.9	.0	.09
13:00	2.9	3.0	3.2	3.5	3.7	4.4	-2.3	-3.9	-.22
14:00	1.6	2.6	2.5	2.2	3.3	3.1	.7	1.5	.03
15:00	4.2	3.6	4.2	4.6	4.2	5.3	.8	-1.3	-.16
16:00	4.6	3.8	4.6	5.0	4.4	5.6	-.8	2.7	-.11
17:00	5.6	2.5	4.7	5.8	3.1	6.4	-1.9	4.1	-.19
18:00	6.7	2.5	5.1	6.7	2.9	7.2	-1.4	.0	-.20
19:00	6.3	1.9	4.7	6.4	2.3	6.8	-.2	-.6	-.14
20:00	5.4	.9	3.5	5.4	1.5	5.8	1.4	.0	-.03
21:00	.4	1.0	.6	1.1	1.5	1.5	1.0	.8	.02
22:00	1.6	.8	1.9	2.0	1.1	2.5	2.4	2.9	.04
23:00	.3	.3	.7	.5	.7	1.1	2.7	1.5	.03
Avg	.0	3.1	4.9	6.1	3.7	6.6	.0	.2	-.13
Max	9.6	6.1	7.3	9.7	6.6	10.2	2.7	4.5	.09
Hr. of Max	05	10	05	05	10	05	23	09	12
Min	.3	.3	.6	.5	.7	1.1	-2.5	-3.9	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/28/2015

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	-.18	7.1	13.3	14.9	7.9	12.0	16.2	5.1
01:00	-.27	11.2	12.4	16.5	11.5	14.5	20.2	7.7
02:00	-.35	11.7	14.2	16.3	13.9	16.7	17.4	7.4
03:00	-.19	10.8	14.4	16.3	11.4	15.0	18.2	7.9
04:00	-.23	9.6	15.1	16.0	12.6	17.5	19.9	8.0
05:00	-.26	10.5	19.0	19.5	10.9	17.3	20.1	8.3
06:00	-.20	9.2	13.7	15.3	8.4	13.9	18.1	7.9
07:00	-.17	9.8	12.1	14.2	10.3	14.3	20.8	8.3
08:00	.22	13.1	18.8	21.8	14.8	17.3	21.4	12.4
09:00	.51	12.1	13.7	14.0	14.1	14.9	19.1	15.2
10:00	-.05	11.4	11.9	14.2	12.6	13.3	13.7	15.0
11:00	-.10	14.4	11.0	12.4	12.1	13.0	15.4	16.1
12:00	.03	14.2	14.0	14.4	10.3	13.2	19.2	21.2
13:00	-.35	7.8	7.3	8.2	7.9	8.9	26.1	28.9
14:00	-.03	7.6	8.5	6.9	10.5	8.1	29.2	35.8
15:00	-.15	10.5	9.8	10.1	10.8	12.2	23.7	22.0
16:00	.16	9.2	9.6	9.8	10.0	10.8	20.8	18.7
17:00	.26	8.0	9.2	10.1	7.9	10.5	20.1	15.0
18:00	-.05	6.6	9.2	10.3	8.7	10.7	18.7	7.2
19:00	-.10	6.2	13.5	13.3	7.1	10.4	15.7	5.2
20:00	-.03	5.7	9.6	14.2	5.0	9.1	15.7	4.7
21:00	.02	2.5	3.9	4.4	3.1	5.4	5.1	7.3
22:00	.13	3.7	7.1	4.8	3.3	5.5	8.6	5.7
23:00	.03	1.8	1.8	3.0	1.9	2.7	10.2	14.1
Avg	-.06	8.9	11.4	12.5	9.5	12.0	18.1	12.7
Max	.51	14.4	19.0	21.8	14.8	17.5	29.2	35.8
Hr. of Max	09	11	05	08	08	04	14	14
Min	-.35	1.8	1.8	3.0	1.9	2.7	5.1	4.7
Count	24	24	24	24	24	24	24	24
Total								