Date Printed: 08/06/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2015

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	24.5	25.2	25.4	25.5	.75	.87	1.03	.12	.28
01:00	24.0	24.5	24.5	24.6	.49	.54	.65	.04	.16
02:00	23.0	23.9	24.1	24.2	.89	1.03	1.17	.14	.29
03:00	22.1	23.2	23.3	23.5	1.09	1.20	1.36	.11	.27
04:00	21.5	22.5	22.8	23.1	.92	1.28	1.59	.36	.67
05:00	20.8	21.5	22.1	22.6	.70	1.31	1.77	.61	1.07
06:00	20.4	21.2	21.5	21.8	.74	1.07	1.39	.33	.66
07:00	20.9	21.2	21.4	21.4	.36	.50	.54	.14	.17
08:00	22.8	22.6	22.4	22.3	-.22	-.43	-.50	-.21	-.28
09:00	24.4	23.9	23.7	23.5	-.49	-.76	-.89	-.27	-.40
10:00	26.9 P	26.1 P	25.7 P	25.5 P	P	P	P	P	P
11:00	28.6	27.6	27.3	27.1	-.99	-1.33	-1.48	-.34	-.49
12:00	29.1	28.5	28.2	28.1	-.61	-.88	-.99	-.27	-.37
13:00	30.2	29.2	28.9	28.8	-1.02	-1.33	-1.47	-.32	-.45
14:00	29.7	29.0	28.7	28.6	-.75	-1.06	-1.16	-.30	-.41
15:00	27.9	27.4	27.2	27.2	-.49	-.70	-.74	-.21	-.25
16:00	25.8	25.6	25.5	25.5	-.21	-.35	-.37	-.15	-.16
17:00	26.6	26.2	25.9	25.9	-.48	-.71	-.78	-.23	-.30
18:00	26.3	26.1	26.0	25.9	-.15	-.31	-.36	-.16	-.21
19:00	24.7	24.6	24.5	24.5	-.09	-.23	-.24	-.15	-.15
20:00	23.9	23.9	23.9	24.0	.06	.04	.12	-.02	.07
21:00	23.0	23.3	23.2	23.2	.24	.18	.21	-.06	-.03
22:00	22.7	22.7	22.7	22.7	.06	-.02	.00	-.09	-.06
23:00	22.0	22.2	22.2	22.3	.15	.17	.27	.01	.12
Avg	24.7	24.7	24.6	24.7	.04	.00	.05	-.04	.01
Max	30.2	29.2	28.9	28.8	1.09	1.31	1.77	.61	1.07
Hr. of Max	13	13	13	13	03	05	05	05	05
Min	20.4	21.2	21.4	21.4	-1.02	-1.33	-1.48	-.34	-.49
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

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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	20.4	20.5	21.8	28.9	80.2	76.9	17.5	17.5	0.015566
01:00	20.1	20.1	21.4	28.7	81.1	79.0	17.2	17.3	0.015257
02:00	19.5	19.6	20.7	28.5	82.5	78.8	16.7	16.7	0.014704
03:00	19.4	19.5	20.3	28.3	86.8	81.8	16.6	16.7	0.014626
04:00	19.3	19.4	20.0	28.1	88.9	84.7	16.5	16.5	0.014461
05:00	18.9	19.4	19.6	27.9	91.0	89.9	16.2	16.6	0.014166
06:00	18.7	19.3	19.3	27.7	92.2	91.1	16.0	16.5	0.013988
07:00	19.1	19.4	19.7	27.5	91.8	91.1	16.4	16.6	0.014327
08:00	19.6	19.5	20.7	27.3	84.5	84.9	16.8	16.7	0.014816
09:00	19.6	19.3	21.2	27.2	76.6	77.5	16.7	16.4	0.014781
10:00	P	P	P	27.2 P	64.3 P	65.9 P	P	P	P
11:00	19.7	19.2	22.7	27.2	60.3	61.9	16.6	16.2	0.014945
12:00	20.1	19.8	23.1	27.5	60.0	61.1	17.0	16.7	0.015281
13:00	20.4	20.2	23.7	27.8	57.6	60.0	17.3	17.1	0.015656
14:00	21.2	21.1	24.0	28.1	62.1	64.4	18.1	18.0	0.016416
15:00	21.4	21.4	23.6	28.4	70.0	72.0	18.5	18.5	0.01663
16:00	22.4	22.3	23.5	28.5	83.8	84.3	19.7	19.6	0.017627
17:00	22.3	22.1	23.7	28.5	79.5	81.0	19.6	19.4	0.017572
18:00	22.1	22.0	23.5	28.5	80.0	80.3	19.3	19.2	0.017354
19:00	20.4	20.4	21.8	28.5	79.0	79.4	17.5	17.5	0.015559
20:00	20.3	20.2	21.5	28.4	82.4	82.0	17.4	17.4	0.015443
21:00	19.5	19.5	20.7	28.3	82.6	81.4	16.7	16.7	0.014716
22:00	19.5	19.5	20.5	28.1	84.2	84.2	16.6	16.7	0.014679
23:00	19.3	19.4	20.2	27.9	86.5	86.4	16.5	16.6	0.014492
Avg	20.1	20.1	21.6	28.0	78.7	78.3	17.3	17.3	0.015351
Max	22.4	22.3	24.0	28.9	92.2	91.1	19.7	19.6	0.017627
Hr. of Max	16	16	14	00	06	07	16	16	16
Min	18.7	19.2	19.3	27.2	57.6	60.0	16.0	16.2	0.013988
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2015

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	0.015611	24.1	24.2	.00	29.14	986.8	-2.3	.00	42.8
01:00	0.015312	23.6	23.7	.00	29.13	986.6	-1.9	.00	56.5
02:00	0.014813	22.8	22.9	.00	29.11	985.9	-2.8	.00	28.0
03:00	0.014727	22.6	22.8	.00	29.11	985.7	-1.4	.00	42.5
04:00	0.014573	22.4	22.6	.00	29.11	985.8	-3.1	.00	336.9
05:00	0.01461	22.0	22.6	.00	29.12	986.0	-2.5	.00	265.1
06:00	0.014456	21.7	22.4	.00	29.12	986.2	-.1	.00	318.3
07:00	0.01454	22.2	22.5	.00	29.13	986.5	65.3	.09	24.7
08:00	0.014682	23.0	22.8	.00	29.15	987.0	157.2	.23	66.0
09:00	0.014533	22.9	22.5	.00	29.15	987.3	379.1	.54	66.6
10:00	P	P	P	.00 P	29.15 P	987.1 P	593.7 P	.85 P	87.6 P
11:00	0.014475	23.2	22.4	.00	29.14	986.9	789.7	1.13	103.6
12:00	0.015021	23.7	23.3	.00	29.14	986.7	343.3	.49	99.1
13:00	0.015386	24.2	23.8	.00	29.12	986.2	694.8	1.00	141.3
14:00	0.016286	25.3	25.2	.00	29.11	985.9	419.4	.60	213.7
15:00	0.016626	25.7	25.7	.00	29.10	985.6	179.5	.26	265.2
16:00	0.01752	27.1	27.0	.01	29.09	985.0	124.5	.18	347.2
17:00	0.017399	27.1	26.8	.00	29.07	984.6	297.9	.43	352.8
18:00	0.017251	26.7	26.6	.00	29.08	985.0	117.9	.17	54.1
19:00	0.015555	24.1	24.1	.00	29.11	985.9	57.1	.08	32.9
20:00	0.015418	23.9	23.8	.00	29.11	985.8	7.3	.01	38.6
21:00	0.014716	22.8	22.8	.00	29.11	985.8	-2.0	.00	44.0
22:00	0.014733	22.7	22.8	.00	29.10	985.6	-2.3	.00	48.5
23:00	0.014616	22.4	22.6	.00	29.09	985.0	-1.9	.00	40.6
Avg	0.015342	23.7	23.7	.00	29.12	986.0	175.3	.25	39.0
Max	0.01752	27.1	27.0	.01	29.15	987.3	789.7	1.13	352.8
Hr. of Max	16	17	16	16	10	09	11	11	17
Min	0.014456	21.7	22.4	.00	29.07	984.6	-3.1	.00	24.7
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2015

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	60.6	65.3	45.7	61.3	18.7	10.8	8.0	2.5	5.1
01:00	61.4	61.1	60.2	57.1	24.4	13.6	8.4	2.7	5.9
02:00	57.8	69.2	29.6	65.5	22.1	14.6	16.5	2.0	3.5
03:00	65.9	60.6	45.3	56.9	52.1	15.9	16.3	1.1	2.4
04:00	73.4	59.7	342.2	56.5	25.0	11.1	10.7	.8	1.9
05:00	38.3	115.5	265.7	121.7	17.3	66.8	36.3	1.5	.2
06:00	77.0	91.0	322.9	80.4	37.7	16.0	40.5	.4	.4
07:00	62.9	65.1	29.1	62.6	22.5	11.4	7.4	1.1	2.3
08:00	63.9	58.8	71.5	56.5	27.5	22.2	18.1	2.0	2.9
09:00	64.8	59.9	67.1	56.4	33.0	20.1	15.0	3.2	4.7
10:00	83.1 P	76.8 P	89.6 P	73.5 P	26.0 P	23.7 P	19.8 P	4.0 P	4.6 P
11:00	98.9	97.2	103.2	94.1	49.9	38.4	43.6	2.0	2.2
12:00	99.8	94.1	107.8	91.1	46.6	34.5	37.0	1.4	1.7
13:00	146.4	145.9	145.8	144.4	37.2	33.1	38.7	2.0	2.5
14:00	218.5	215.3	216.9	216.2	26.3	21.5	17.7	3.8	4.8
15:00	273.9	272.7	268.2	272.4	26.9	21.0	13.4	3.3	5.0
16:00	349.1	344.3	348.4	340.5	32.6	31.4	23.8	1.3	2.5
17:00	28.7	4.9	3.4 +	359.9	51.6	39.9	35.3	.5	.9
18:00	56.1	56.5	56.7	52.1	29.9	20.9	15.9	2.4	4.6
19:00	36.1	22.7	35.3	18.7	43.4	32.4	30.7	1.6	3.0
20:00	54.7	60.0	41.4	56.1	32.2	15.8	11.6	1.9	4.2
21:00	62.7	69.0	45.4	65.5	26.0	14.0	12.4	2.1	3.7
22:00	58.3	62.4	50.5	58.6	24.7	16.7	12.9	2.3	4.5
23:00	56.4	65.4	43.1	61.6	24.2	12.6	9.0	2.0	4.5
Avg	62.0	66.0	42.0	62.0	31.6	23.3	20.8	.0	.0
Max	349.1	344.3	348.4	359.9	52.1	66.8	43.6	4.0	5.9
Hr. of Max	16	16	16	17	03	05	11	10	01
Min	28.7	4.9	3.4	18.7	17.3	10.8	7.4	.4	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/5/2015

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	6.9	2.6	5.2	6.9	2.9	7.2	-6.2	-1.3	-.39
01:00	8.5	3.0	6.1	8.6	3.4	8.9	-3.6	-1.6	-.31
02:00	4.7	2.2	3.7	4.9	2.4	5.2	-4.9	-.7	-.28
03:00	3.7	1.3	2.6	3.9	1.6	4.1	1.0	-.3	-.02
04:00	2.7	1.1	2.1	2.8	1.3	3.0	-.1	1.5	-.01
05:00	.3	1.7	.6	.8	1.9	1.1	.9	.6	.02
06:00	.6	.5	.4	.6	.8	1.0	2.3	-2.0	.05
07:00	3.0	1.3	2.4	3.1	1.5	3.3	-.4	.1	-.05
08:00	3.6	2.2	3.1	3.8	2.8	4.2	-1.1	8.2	-.08
09:00	5.6	3.7	5.0	5.8	4.1	6.2	-1.2	3.0	-.20
10:00	5.2 P	4.3 P	4.9 P	5.5 P	4.8 P	6.0 P	2.4 P	3.1 P	.13 P
11:00	2.1	2.3	2.6	2.6	3.0	3.3	1.2	-1.7	.08
12:00	1.9	1.9	2.3	2.7	2.5	3.3	5.7	11.2	.17
13:00	2.9	3.4	3.9	4.4	3.9	4.8	3.3	-.6	.15
14:00	5.7	4.3	5.3	6.2	4.8	6.6	1.8	2.7	-.06
15:00	6.9	3.9	5.7	7.7	4.4	7.9	-1.6	.0	-.31
16:00	4.3	2.6	4.0	5.6	2.9	5.9	-2.9	-2.1	-.25
17:00	1.4	.9	1.2	1.7	1.3	2.0	-3.6	-4.0	-.14
18:00	5.7	2.9	5.0	6.0	3.4	6.4	.8	2.0	-.08
19:00	3.6	2.8	4.2	5.1	3.2	5.4	-4.3	-1.1	-.24
20:00	5.3	2.2	4.5	5.4	2.6	5.6	-5.5	-2.0	-.35
21:00	4.7	2.3	3.9	4.8	2.5	5.1	-5.0	-1.0	-.28
22:00	5.6	2.6	4.7	5.8	3.0	6.1	-3.5	-1.0	-.30
23:00	5.6	2.2	4.7	5.7	2.5	6.0	-4.9	-1.4	-.30
Avg	.0	2.4	3.7	4.6	2.8	4.9	-1.2	.5	-.13
Max	8.5	4.3	6.1	8.6	4.8	8.9	5.7	11.2	.17
Hr. of Max	01	14	01	01	14	01	12	12	12
Min	.3	.5	.4	.6	.8	1.0	-6.2	-4.0	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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8/5/2015

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	-.20	5.3	11.2	12.8	6.7	11.3	13.6	6.1
01:00	-.29	7.6	11.0	14.0	9.2	14.3	17.4	6.3
02:00	-.12	6.0	9.8	15.3	6.4	9.5	14.2	7.3
03:00	-.05	6.9	9.8	9.8	4.9	8.9	12.9	6.4
04:00	.07	2.7	4.6	5.3	2.9	4.5	11.2	4.2
05:00	.03	3.9	4.8	4.6	3.3	2.9	5.6	8.8
06:00	-.03	2.5	1.8	1.6	1.8	1.9	9.4	8.1
07:00	-.02	4.6	6.0	6.9	4.9	7.3	12.1	6.7
08:00	.47	5.7	8.7	8.5	7.5	8.8	22.1	15.1
09:00	.09	10.3	10.5	10.8	10.8	12.1	20.5	15.1
10:00	.22 P	<	<	<	<	<	<	<
11:00	-.04	6.6	8.0	8.7	9.0	7.5	29.6	32.2
12:00	.75	5.7	7.1	7.1	8.0	7.7	25.9	25.7
13:00	-.11	10.1	12.8	13.5	12.0	14.0	22.3	22.9
14:00	.15	13.1	13.3	15.3	10.0	11.6	19.3	14.7
15:00	-.12	12.4	13.1	13.7	12.9	14.5	17.9	10.1
16:00	-.30	9.6	12.6	16.9	10.2	15.0	20.2	13.2
17:00	-.20	3.9	5.5	4.6	4.5	4.6	31.9	21.9
18:00	.12	9.6	14.9	14.0	12.6	15.2	19.9	12.5
19:00	-.15	10.1	13.5	16.0	11.3	18.3	18.4	12.8
20:00	-.19	6.4	8.0	10.5	6.9	10.9	19.0	8.0
21:00	-.14	7.3	9.2	9.6	6.7	9.4	16.2	10.0
22:00	-.17	7.8	10.3	11.2	9.8	10.7	18.9	9.0
23:00	-.17	6.0	9.6	11.7	7.6	11.8	17.6	6.6
Avg	-.02	7.1	9.4	10.5	7.8	10.1	18.1	12.3
Max	.75	13.1	14.9	16.9	12.9	18.3	31.9	32.2
Hr. of Max	12	14	18	16	15	19	17	11
Min	-.30	2.5	1.8	1.6	1.8	1.9	5.6	4.2
Count	24	23	23	23	23	23	23	23
Total								