Date Printed: 07/21/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2016

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	23.1	23.9	24.5	25.1	.83	1.38	2.02	.55	1.19
01:00	22.6	23.3	24.1	24.6	.77	1.52	2.00	.74	1.23
02:00	22.2	23.3	23.7	24.3	1.03	1.42	2.03	.39	1.00
03:00	22.1	22.9	23.2	23.7	.83	1.16	1.58	.33	.75
04:00	21.5	22.6	22.9	23.2	1.05	1.41	1.71	.36	.66
05:00	21.3	22.3	22.8	23.3	1.08	1.57	1.99	.50	.91
06:00	21.2	22.2	22.6	23.0	1.05	1.42	1.85	.37	.80
07:00	21.9	22.4	22.9	23.1	.48	.95	1.19	.47	.71
08:00	25.0	24.6	24.4	24.3	-.36	-.55	-.65	-.19	-.29
09:00	27.3	26.6	26.2	26.1	-.71	-1.03	-1.20	-.33	-.49
10:00	28.7	27.8	27.5	27.4	-.89	-1.20	-1.33	-.31	-.43
11:00	30.7	29.6	29.2	29.1	-1.09	-1.46	-1.59	-.37	-.50
12:00	32.3	31.0	30.5	30.3	-1.36	-1.83	-2.05	-.47	-.69
13:00	33.0	31.8	31.3	31.0	-1.21	-1.68	-1.95	-.47	-.74
14:00	33.8	32.6	32.1	32.0	-1.20	-1.66	-1.84	-.46	-.64
15:00	34.7	33.2	32.7	32.6	-1.53	-1.94	-2.13	-.42	-.61
16:00	34.6	33.3	32.9	32.7	-1.26	-1.71	-1.92	-.45	-.66
17:00	34.5	33.4	33.0	32.8	-1.12	-1.53	-1.69	-.41	-.57
18:00	33.1	32.4	32.1	32.1	-.69	-.92	-.96	-.23	-.27
19:00	31.0	31.2	31.2	31.3	.24	.20	.32	-.04	.07
20:00	28.4	29.7	30.1	30.4	1.30	1.68	2.01	.37	.70
21:00	26.7	28.1	29.3	30.0	1.40	2.60	3.26	1.20	1.86
22:00	25.6	27.1	27.9	28.5	1.49	2.27	2.85	.79	1.36
23:00	25.3	26.9	27.2	27.7	1.62	1.94	2.41	.32	.79
Avg	27.5	27.6	27.7	27.9	.07	.17	.33	.09	.26
Max	34.7	33.4	33.0	32.8	1.62	2.60	3.26	1.20	1.86
Hr. of Max	15	17	17	17	23	21	21	21	21
Min	21.2	22.2	22.6	23.0	-1.53	-1.94	-2.13	-.47	-.74
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2016

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	21.2	22.1	21.9	28.6	91.6	92.0	18.5	19.5	0.016311
01:00	21.0	22.0	21.5	28.3	93.2	94.8	18.3	19.4	0.016051
02:00	20.7	22.0	21.2	28.1	93.5	95.0	18.0	19.4	0.015785
03:00	20.8	21.9	21.2	27.8	94.8	96.6	18.1	19.3	0.015856
04:00	20.2	21.7	20.6	27.6	94.2	97.3	17.4	19.1	0.015229
05:00	19.9	21.6	20.4	27.4	94.2	98.3	17.2	19.0	0.014983
06:00	19.8	21.5	20.3	27.2	94.3	98.0	17.1	18.8	0.014899
07:00	20.4	21.0	20.9	26.9	93.2	94.4	17.6	18.3	0.015406
08:00	21.5	21.0	22.7	26.8	83.5	82.3	18.7	18.1	0.016596
09:00	21.3	20.8	23.3	26.6	72.2	72.7	18.4	17.9	0.016434
10:00	21.0	20.3	23.5	26.6	64.8	65.5	17.9	17.3	0.016057
11:00	20.5	19.9	23.9	26.9	56.4	58.0	17.4	16.8	0.015635
12:00	19.3	19.0	23.7	27.4	47.8	50.5	16.1	15.8	0.014582
13:00	19.2	19.0	23.8	28.1	45.7	48.4	16.0	15.8	0.01447
14:00	17.9	17.9	23.2	28.9	40.2	43.0	14.7	14.7	0.013338
15:00	17.4	17.4	23.2	29.4	37.3	40.4	14.3	14.3	0.013002
16:00	16.9	16.9	22.8	29.7	36.2	38.8	13.8	13.8	0.012564
17:00	16.6	16.6	22.6	30.0	35.8	38.0	13.6	13.6	0.012341
18:00	18.7	18.7	23.5	30.3	44.3	45.9	15.5	15.5	0.014083
19:00	20.7	20.2	24.1	30.4	56.2	53.8	17.5	17.0	0.015845
20:00	21.3	20.6	23.7	30.4	67.4	59.8	18.3	17.5	0.016459
21:00	21.2	20.4	23.1	30.2	73.9	64.9	18.3	17.4	0.016353
22:00	21.0	20.5	22.5	30.0	77.5	69.2	18.1	17.5	0.016069
23:00	20.9	20.4	22.4	29.7	79.1	69.6	18.1	17.4	0.016033
Avg	20.0	20.1	22.5	28.5	69.5	69.5	17.0	17.2	0.015183
Max	21.5	22.1	24.1	30.4	94.8	98.3	18.7	19.5	0.016596
Hr. of Max	08	00	19	20	03	05	08	00	08
Min	16.6	16.6	20.3	26.6	35.8	38.0	13.6	13.6	0.012341
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2016

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	0.017221	25.3	26.7	.00	29.27	991.3	-2.6	.00	281.5
01:00	0.017116	24.9	26.5	.00	29.27	991.2	-1.6	.00	346.2
02:00	0.017079	24.5	26.5	.00	29.26	990.9	-2.2	.00	15.1
03:00	0.016999	24.6	26.4	.00	29.25	990.6	-1.9	.00	9.0
04:00	0.016764	23.7	26.0	.00	29.25	990.6	-2.5	.00	302.3
05:00	0.0167	23.3	25.9	.00	29.26	990.9	-2.2	.00	340.2
06:00	0.016522	23.2	25.7	.00	29.28	991.5	5.7	.01	59.4
07:00	0.016071	24.0	25.0	.00	29.30	992.3	79.7	.11	250.7
08:00	0.016016	25.8	24.9	.00	29.30	992.3	298.5	.43	83.9
09:00	0.015881	25.5	24.7	.00	29.31	992.4	520.0	.75	73.5
10:00	0.015414	25.0	24.0	.00	29.30	992.3	716.1	1.03	101.7
11:00	0.015095	24.3	23.5	.00	29.30	992.2	856.6	1.23	100.6
12:00	0.014259	22.7	22.2	.00	29.29	992.1	975.2	1.40	43.7
13:00	0.014309	22.5	22.3	.00	29.28	991.7	971.6	1.39	56.8
14:00	0.013312	20.8	20.8	.00	29.26	990.9	906.9	1.30	39.3
15:00	0.012953	20.3	20.2	.00	29.24	990.2	933.4	1.34	330.3
16:00	0.012543	19.6	19.6	.00	29.22	989.6	650.4	.93	331.9
17:00	0.01233	19.2	19.2	.00	29.21	989.1	495.9	.71	330.0
18:00	0.014039	21.9	21.8	.00	29.21	989.1	238.9	.34	329.0
19:00	0.015425	24.6	23.9	.00	29.21	989.2	150.3	.22	327.5
20:00	0.015733	25.5	24.4	.00	29.22	989.5	20.6	.03	321.5
21:00	0.015555	25.4	24.1	.00	29.23	989.8	-1.6	.00	323.9
22:00	0.015661	24.9	24.3	.00	29.24	990.2	-2.2	.00	300.5
23:00	0.015512	24.9	24.1	.00	29.24	990.2	-2.0	.00	32.1
Avg	0.015355	23.6	23.9	.00	29.26	990.8	325.0	.47	359.0
Max	0.017221	25.8	26.7	.00	29.31	992.4	975.2	1.40	346.2
Hr. of Max	00	08	00	23	09	09	12	12	01
Min	0.01233	19.2	19.2	.00	29.21	989.1	-2.6	.00	9.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2016

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	242.9	160.5	277.5	214.2	17.1	43.9	29.8	.7	.1
01:00	14.2	58.9	336.5	355.4	36.4	44.0	62.3	.5	.5
02:00	75.0	40.3	9.6	16.2	49.5	13.5	18.6	.6	1.6
03:00	48.4	75.9	2.1	55.9	38.2	37.1	15.5	.8	1.5
04:00	81.9	86.9	290.6	66.7	32.3	36.0	14.4	.6	.5
05:00	49.8	62.4	284.2	44.0	57.0	19.0	7.8	.1	1.2
06:00	60.8	58.5	24.8	42.3	31.4	17.7	8.1	.6	1.5
07:00	263.0	86.5	256.9	46.8	59.4	47.6	25.5	.8	.0
08:00	72.6	66.5	91.4	50.0	30.3	29.5	16.1	2.0	3.0
09:00	67.1	62.4	77.2	49.6	38.0	26.6	19.0	3.1	4.0
10:00	90.9	87.2	103.9	72.4	28.4	24.5	23.3	3.2	3.2
11:00	94.3	88.8	104.1	76.3	27.8	24.3	25.1	3.7	4.2
12:00	44.4	42.5	46.1	27.8	55.6	40.6	32.4	2.2	3.6
13:00	51.4	49.1	57.0	32.5	61.2	51.3	38.8	2.3	3.3
14:00	36.6	38.8	40.6	24.2	41.9	36.4	34.0	2.8	4.0
15:00	340.3	333.4	330.5	320.8	46.8	41.2	43.3	2.6	3.5
16:00	344.9	345.7	334.0	331.1	40.0	29.6	19.2	3.0	4.1
17:00	336.3	332.5	329.4	318.7	29.7	20.5	17.9	3.6	5.0
18:00	346.5	347.8	328.0	333.6	30.0	19.4	16.5	2.9	4.7
19:00	354.1	358.5	328.1	344.3	24.4	16.8	15.0	1.8	3.5
20:00	355.1	1.4	319.8	347.4	17.8	14.7	16.1	1.7	3.8
21:00	358.1	9.8	322.9	354.3	19.2	12.4	9.6	.9	3.7
22:00	63.4	64.3	290.9	46.7	35.5	27.7	15.4	.4	.9
23:00	59.6	64.3	33.7	50.4	22.2	13.0	6.7	1.1	2.2
Avg	34.0	46.0	352.0	23.0	36.3	28.6	22.1	.0	.0
Max	358.1	358.5	336.5	355.4	61.2	51.3	62.3	3.7	5.0
Hr. of Max	21	19	01	01	13	13	01	11	17
Min	14.2	1.4	2.1	16.2	17.1	12.4	6.7	.1	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/20/2016

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	.8	.2	.2	1.0	.7	-.9	-.7	-.01
01:00	.5	1.1	1.4	1.2	1.4	1.7	2.5	2.2	.05
02:00	1.6	.7	1.6	1.8	.9	2.0	2.5	2.4	.03
03:00	2.5	1.6	1.9	2.6	1.8	2.8	-1.0	.5	-.06
04:00	1.6	.8	.8	1.6	1.1	1.9	1.5	.3	.03
05:00	2.2	.6	1.2	2.3	.9	2.5	.9	1.4	.02
06:00	2.9	.7	1.7	3.0	1.1	3.2	1.5	.2	-.01
07:00	1.1	1.1	1.2	1.2	1.5	1.6	1.4	.2	.02
08:00	3.7	2.3	3.2	3.8	2.9	4.2	.9	3.1	-.07
09:00	4.7	3.7	4.4	5.0	4.2	5.5	2.1	2.9	.04
10:00	3.3	3.4	3.4	3.5	3.9	4.0	-1.7	-7.4	-.19
11:00	4.4	4.1	4.7	5.0	4.8	5.6	-.3	.8	-.10
12:00	4.3	3.7	4.7	5.3	4.2	5.9	-3.0	-4.1	-.35
13:00	4.0	3.6	4.1	4.7	4.2	5.4	-1.5	1.9	-.24
14:00	4.1	3.5	4.6	4.7	4.2	5.3	-4.9	2.9	-.52
15:00	3.8	3.3	4.3	4.5	4.0	5.3	-.9	-4.1	-.24
16:00	4.7	3.6	4.4	4.9	4.1	5.5	-3.5	-4.9	-.47
17:00	5.4	4.0	5.3	5.7	4.4	6.1	-5.2	-6.0	-.59
18:00	6.2	3.2	5.0	6.5	3.7	6.9	-4.6	-1.8	-.50
19:00	5.4	2.0	3.7	5.6	2.3	5.9	-3.7	-.5	-.24
20:00	5.8	1.8	4.0	6.1	2.0	6.4	-3.0	1.2	-.13
21:00	5.9	1.0	3.8	6.0	1.2	6.3	-1.8	3.4	-.04
22:00	2.6	.5	1.2	3.0	.8	3.2	.3	1.8	.01
23:00	3.9	1.2	2.3	4.0	1.4	4.2	-.3	.0	.00
Avg	.0	2.2	3.0	3.8	2.6	4.3	-.9	-.2	-.15
Max	6.2	4.1	5.3	6.5	4.8	6.9	2.5	3.4	.05
Hr. of Max	18	11	17	18	11	18	02	21	01
Min	.2	.5	.2	.2	.8	.7	-5.2	-7.4	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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7/20/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.01	3.4	1.6	2.5	6.7	6.8	25.7	26.7
01:00	.06	3.7	3.7	3.2	9.2	8.1	25.0	26.1
02:00	.08	3.0	3.4	5.5	9.5	7.5	25.0	25.7
03:00	.03	3.7	3.9	5.3	7.5	4.0	24.6	25.2
04:00	.02	2.5	2.7	4.1	6.2	7.4	24.2	24.7
05:00	.05	3.2	3.4	3.7	10.3	4.1	24.0	24.7
06:00	-.01	3.7	4.4	5.5	9.4	4.0	23.8	24.4
07:00	.03	3.0	3.2	5.3	9.2	8.8	24.0	24.5
08:00	.12	7.1	13.5	19.5	21.8	17.4	26.4	25.7
09:00	.16	8.2	9.2	9.6	21.7	19.6	28.3	27.4
10:00	-.45	8.9	8.2	10.3	22.1	23.7	29.4	28.6
11:00	.10	10.1	11.9	12.1	19.8	18.0	31.0	30.1
12:00	-.46	10.8	12.8	14.2	25.6	22.3	32.2	31.2
13:00	.03	11.9	13.1	17.2	27.9	27.6	33.0	31.9
14:00	.07	10.3	13.7	11.9	24.5	26.5	33.7	32.6
15:00	-.27	10.3	13.3	11.2	27.6	25.7	34.2	33.1
16:00	-.47	10.5	12.1	12.6	24.5	18.4	34.2	33.1
17:00	-.71	10.8	9.6	10.5	19.4	13.7	34.2	33.3
18:00	-.28	12.6	12.6	12.8	18.4	9.7	33.5	32.8
19:00	-.09	5.5	10.1	11.7	17.0	6.9	32.6	32.2
20:00	.12	4.6	6.4	11.7	10.7	4.8	31.1	31.4
21:00	.38	4.1	6.6	14.0	12.5	3.6	29.5	30.9
22:00	.12	3.0	6.9	11.9	11.1	6.3	28.5	29.6
23:00	.02	3.2	4.8	7.3	7.9	4.5	28.3	28.8
Avg	-.06	6.6	8.0	9.7	15.9	12.5	29.0	28.9
Max	.38	12.6	13.7	19.5	27.9	27.6	34.2	33.3
Hr. of Max	21	18	14	08	13	13	17	17
Min	-.71	2.5	1.6	2.5	6.2	3.6	23.8	24.4
Count	24	24	24	24	24	24	24	24
Total								