Date Printed: 08/30/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2016

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	22.1	22.1	22.4	22.8	.02	.27	.70	.25	.68
01:00	21.6	21.7	22.1	22.4	.14	.54	.87	.39	.73
02:00	21.1	21.5	21.8	21.8	.48	.70	.79	.22	.31
03:00	21.0	21.5	21.7	21.7	.51	.66	.71	.15	.20
04:00	20.9	21.4	21.5	21.7	.43	.57	.72	.14	.29
05:00	20.4	21.1	21.3	21.5	.70	.91	1.04	.21	.34
06:00	20.2	20.8	21.2	21.3	.62	.96	1.13	.34	.50
07:00	20.2	20.7	20.9	21.1	.50	.73	.88	.23	.38
08:00	22.1	21.9	21.7	21.7	-.25	-.42	-.48	-.17	-.22
09:00	24.8	24.3	24.0	23.9	-.52	-.80	-.89	-.27	-.37
10:00	27.0	26.2	25.9	25.7	-.78	-1.16	-1.30	-.38	-.52
11:00	29.1	27.9	27.5	27.4	-1.22	-1.60	-1.74	-.38	-.53
12:00	30.4	29.1	28.7	28.6	-1.31	-1.66	-1.85	-.36	-.54
13:00	31.8	30.5	30.1	29.9	-1.31	-1.75	-1.91	-.44	-.61
14:00	33.0	31.7	31.2	30.9	-1.30	-1.81	-2.09	-.51	-.79
15:00	33.0	31.9	31.4	31.1	-1.06	-1.57	-1.87	-.51	-.81
16:00	33.3	32.3	31.8	31.6	-1.05	-1.53	-1.77	-.48	-.72
17:00	33.1	32.4	32.0	31.7	-.71	-1.11	-1.32	-.40	-.61
18:00	32.4	31.9	31.7	31.6	-.44	-.68	-.80	-.24	-.36
19:00	29.0	30.5	30.8	30.9	1.48	1.74	1.87	.26	.39
20:00	25.7	27.8	28.9	29.5	2.09	3.16	3.75	1.07	1.65
21:00	24.2	26.4	27.0	27.8	2.19	2.75	3.62	.56	1.43
22:00	23.4	25.7	26.1	26.8	2.21	2.64	3.39	.42	1.18
23:00	23.0	25.3	25.6	26.2	2.30	2.66	3.25	.37	.96
Avg	26.0	26.1	26.1	26.2	.16	.18	.28	.02	.12
Max	33.3	32.4	32.0	31.7	2.30	3.16	3.75	1.07	1.65
Hr. of Max	16	17	17	17	23	20	20	20	20
Min	20.2	20.7	20.9	21.1	-1.31	-1.81	-2.09	-.51	-.81
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2016

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	20.4	20.7	20.9	27.5	92.2	93.8	17.6	17.9	0.01544
01:00	20.0	20.6	20.5	27.3	93.3	95.6	17.3	17.9	0.015129
02:00	19.7	20.5	20.2	27.1	94.3	96.2	17.0	17.8	0.014832
03:00	19.7	20.4	20.1	26.9	94.3	95.5	16.9	17.6	0.014795
04:00	19.6	20.2	20.1	26.8	94.4	95.2	16.9	17.4	0.014739
05:00	19.3	20.2	19.7	26.6	95.1	96.4	16.5	17.4	0.014401
06:00	19.1	20.0	19.5	26.4	95.4	97.5	16.4	17.3	0.014241
07:00	19.0	20.0	19.4	26.2	95.1	97.9	16.3	17.3	0.0142
08:00	20.0	19.5	20.7	26.1	89.9	88.7	17.2	16.8	0.01509
09:00	20.2	19.6	21.7	25.9	77.7	77.3	17.3	16.7	0.015283
10:00	19.6	19.1	22.1	25.9	65.8	66.7	16.6	16.1	0.01477
11:00	19.3	18.8	22.5	26.0	57.0	59.2	16.2	15.7	0.014472
12:00	18.6	18.2	22.5	26.2	50.8	53.5	15.4	15.2	0.01389
13:00	16.2	16.0	21.4	26.7	40.3	42.9	13.3	13.2	0.011967
14:00	13.3	13.1	19.8	27.2	31.5	33.3	11.0	10.9	0.009957
15:00	13.6	13.6	20.1	27.7	32.0	34.0	11.3	11.3	0.010166
16:00	13.5	13.3	20.1	28.0	31.2	32.6	11.2	11.0	0.010106
17:00	13.7	13.4	20.2	28.3	32.1	32.8	11.3	11.1	0.010237
18:00	15.4	15.1	21.0	28.5	37.1	37.3	12.6	12.4	0.011379
19:00	16.9	16.2	20.9	28.5	49.7	43.3	14.0	13.3	0.012509
20:00	18.1	17.1	20.6	28.5	64.4	53.6	15.2	14.2	0.013447
21:00	18.4	18.0	20.3	28.4	71.6	61.6	15.5	15.0	0.013649
22:00	18.8	19.0	20.3	28.2	76.9	68.3	15.9	16.0	0.01401
23:00	19.2	19.8	20.5	28.0	81.4	73.7	16.4	16.9	0.014407
Avg	18.0	18.0	20.6	27.2	68.5	67.8	15.2	15.3	0.013463
Max	20.4	20.7	22.5	28.5	95.4	97.9	17.6	17.9	0.01544
Hr. of Max	00	00	12	20	06	07	00	01	00
Min	13.3	13.1	19.4	25.9	31.2	32.6	11.0	10.9	0.009957
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2016

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	0.015733	24.0	24.4	.00	29.23	989.9	-2.2	.00	313.9
01:00	0.015649	23.5	24.3	.00	29.23	989.9	-1.9	.00	281.0
02:00	0.01558	23.0	24.2	.00	29.22	989.6	-2.6	.00	318.4
03:00	0.015457	23.0	24.0	.00	29.22	989.4	-2.2	.00	20.7
04:00	0.015261	22.9	23.7	.00	29.22	989.4	-2.1	.00	5.2
05:00	0.015243	22.4	23.7	.00	29.22	989.5	-2.1	.00	.0
06:00	0.015123	22.2	23.5	.00	29.23	989.8	-2.4	.00	11.1
07:00	0.015073	22.1	23.4	.00	29.24	990.2	30.6	.04	255.1
08:00	0.014656	23.5	22.8	.00	29.26	990.8	195.8	.28	119.5
09:00	0.014738	23.8	22.9	.00	29.27	991.1	434.3	.62	96.7
10:00	0.014297	23.0	22.3	.00	29.27	991.3	625.5	.90	95.5
11:00	0.013996	22.5	21.8	.00	29.27	991.2	783.8	1.12	113.5
12:00	0.013567	21.6	21.2	.00	29.26	990.9	887.1	1.27	108.7
13:00	0.011824	18.7	18.5	.00	29.25	990.4	927.9	1.33	87.6
14:00	0.009802	15.6	15.4	.00	29.23	989.8	911.6	1.31	55.6
15:00	0.010151	15.9	15.9	.00	29.20	989.0	825.1	1.18	52.2
16:00	0.00994	15.8	15.5	.00	29.18	988.2	686.9	.98	65.6
17:00	0.010057	16.0	15.7	.00	29.17	987.7	442.4	.63	74.0
18:00	0.011173	17.7	17.4	.00	29.16	987.4	215.9	.31	25.7
19:00	0.011939	19.5	18.6	.00	29.16	987.4	57.3	.08	17.0
20:00	0.012649	20.9	19.7	.00	29.17	987.7	-.3	.00	352.8
21:00	0.013378	21.2	20.8	.00	29.18	988.1	-2.6	.00	28.8
22:00	0.014196	21.8	22.1	.00	29.19	988.5	-1.9	.00	56.4
23:00	0.014983	22.4	23.3	.00	29.19	988.6	-2.9	.00	62.7
Avg	0.013519	21.0	21.0	.00	29.22	989.4	291.7	.42	41.0
Max	0.015733	24.0	24.4	.00	29.27	991.3	927.9	1.33	352.8
Hr. of Max	00	00	00	23	11	10	13	13	20
Min	0.009802	15.6	15.4	.00	29.16	987.4	-2.9	.00	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2016

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	323.2	26.9	308.1	344.7	40.8	20.2	43.8	.7	1.8
01:00	345.8	18.9	276.5	355.3	62.8	48.5	49.1	.8	1.1
02:00	44.8	79.9	314.0	63.1	28.0	20.0	10.4	.8	.8
03:00	45.9	59.5	21.4	45.6	27.7	10.9	8.1	1.1	2.1
04:00	43.0	62.7	3.0	49.7	33.2	26.2	14.3	1.2	2.2
05:00	55.9	67.9	356.4	54.9	37.1	18.5	8.8	.7	1.4
06:00	61.2	66.0	341.9	50.2	45.9	35.7	14.6	.4	1.3
07:00	133.4	91.5	262.1	80.3	29.7	36.2	16.7	.5	.1
08:00	82.2	74.2	130.0	57.4	32.5	56.9	23.4	.8	.9
09:00	89.2	79.8	99.1	68.4	24.2	22.1	22.1	3.0	3.3
10:00	95.3	89.8	100.9	77.2	36.1	27.7	25.6	2.8	3.2
11:00	107.4	91.1	120.5	75.6	60.2	59.7	60.3	1.8	1.8
12:00	107.5	99.2	110.2	88.4	46.6	47.1	41.8	2.6	2.6
13:00	76.3	70.8	90.9	58.5	35.5	31.0	32.6	3.8	4.7
14:00	50.8	49.4	58.3	36.7	40.3	30.0	23.3	4.0	6.3
15:00	49.8	47.2	54.2	34.7	40.7	26.6	20.9	4.1	6.4
16:00	60.9	55.3	66.2	43.2	32.5	24.0	21.1	4.5	6.5
17:00	65.5	62.8	75.9	50.5	32.3	26.9	19.6	4.2	6.3
18:00	29.6	31.4	24.8 +	17.2	41.4	21.5	15.5	2.5	5.0
19:00	30.1	33.3	19.0	19.0	29.9	11.2	9.0	1.7	5.0
20:00	56.7	56.0	355.4	43.1	40.3	9.0	7.9	.5	2.1
21:00	74.3	55.6	31.6	43.0	27.9	7.0	7.9	.8	2.2
22:00	58.9	55.5	59.5	43.3	20.7	9.8	6.4	1.2	3.3
23:00	59.6	55.7	65.8	44.1	18.8	9.7	5.8	1.5	3.7
Avg	60.0	61.0	41.0	47.0	36.0	26.5	21.2	.0	.0
Max	345.8	99.2	356.4	355.3	62.8	59.7	60.3	4.5	6.5
Hr. of Max	01	12	05	01	01	11	11	16	16
Min	29.6	18.9	3.0	17.2	18.8	7.0	5.8	.4	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2016

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	1.4	1.0	2.3	1.9	1.3	2.2	-2.6	-1.6	-.08
01:00	1.7	1.2	1.9	2.1	1.5	2.3	.9	.6	.00
02:00	1.0	1.1	.9	1.1	1.3	1.4	-.8	-.6	-.01
03:00	2.4	1.3	2.2	2.4	1.4	2.6	-1.8	-.7	-.10
04:00	2.9	1.5	2.4	3.1	1.7	3.3	-3.3	.7	-.16
05:00	2.2	1.3	1.6	2.2	1.4	2.4	.6	.6	-.01
06:00	1.8	1.2	1.4	1.9	1.5	2.2	1.5	-.8	.00
07:00	1.0	1.0	.8	1.1	1.3	1.4	2.0	.2	.04
08:00	1.3	.9	1.1	1.4	1.5	1.7	3.2	5.0	.11
09:00	3.1	3.2	3.5	3.4	3.7	3.9	2.5	6.5	.12
10:00	3.3	3.2	3.5	3.7	3.8	4.2	.4	1.7	-.02
11:00	1.8	2.9	2.8	2.8	3.6	3.5	6.8	10.2	.39
12:00	3.0	3.5	3.5	3.8	4.2	4.4	-.5	-1.3	-.08
13:00	5.1	4.5	5.4	5.8	5.1	6.4	1.7	2.6	-.01
14:00	7.7	5.1	7.3	8.5	5.6	9.0	.8	.4	-.17
15:00	7.9	5.0	7.1	8.4	5.7	9.0	-4.2	-1.1	-.54
16:00	7.7	5.1	7.0	8.2	5.8	8.8	-.4	-.7	-.27
17:00	7.7	4.7	6.8	8.0	5.3	8.5	2.0	1.1	-.08
18:00	6.4	2.9	5.3	6.6	3.4	7.1	-.6	.5	-.31
19:00	6.6	1.9	5.1	6.7	2.3	7.0	-2.7	.7	-.21
20:00	3.1	.7	2.2	3.2	.9	3.4	.6	1.1	.01
21:00	4.0	.9	2.2	4.0	1.1	4.2	3.0	-.1	.05
22:00	5.8	1.5	3.5	5.9	1.6	6.2	1.2	-.4	-.02
23:00	5.9	1.7	3.8	5.9	1.9	6.2	-.2	-.4	-.03
Avg	.0	2.4	3.5	4.3	2.8	4.6	.4	1.0	-.06
Max	7.9	5.1	7.3	8.5	5.8	9.0	6.8	10.2	.39
Hr. of Max	15	16	14	14	16	15	11	11	11
Min	1.0	.7	.8	1.1	.9	1.4	-4.2	-1.6	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.03	3.9	4.8	4.4	12.1	10.7	23.7	24.0
01:00	.08	4.4	5.3	6.2	14.3	10.0	23.3	23.7
02:00	.00	2.5	2.5	2.7	8.4	8.2	23.1	23.1
03:00	-.04	3.2	4.1	5.0	9.7	6.6	23.0	23.0
04:00	.03	4.4	6.6	6.6	11.8	5.6	22.9	22.9
05:00	.03	2.7	3.4	5.7	8.3	4.9	22.6	22.7
06:00	-.01	3.4	3.0	3.9	9.7	9.8	22.3	22.6
07:00	.03	3.7	2.1	2.5	8.0	8.6	22.2	22.3
08:00	.16	3.2	3.4	3.9	21.9	19.3	23.5	23.0
09:00	.43	7.1	7.1	6.9	18.2	20.7	25.9	25.2
10:00	.18	8.5	10.1	9.8	23.3	23.4	27.7	26.8
11:00	.66	8.7	8.7	12.4	26.8	30.8	29.2	28.4
12:00	-.11	11.2	12.4	9.8	23.3	27.3	30.2	29.4
13:00	.16	14.2	20.8	13.7	22.1	22.2	31.4	30.4
14:00	-.09	14.4	16.3	18.3	24.0	14.8	32.2	31.0
15:00	-.23	17.9	16.0	16.9	21.8	13.5	32.5	31.3
16:00	-.16	15.3	18.1	19.5	21.4	14.7	32.9	31.7
17:00	-.09	17.2	14.7	14.7	21.6	14.5	33.0	32.0
18:00	-.03	9.4	14.4	14.4	24.0	11.2	32.7	31.9
19:00	.03	8.5	12.8	17.4	18.6	7.0	31.3	31.3
20:00	.06	2.3	6.2	9.6	10.1	3.6	28.7	30.1
21:00	-.01	2.5	4.4	6.0	8.3	2.9	27.5	28.7
22:00	-.05	5.0	8.2	9.4	11.0	3.2	26.9	27.9
23:00	-.05	3.9	8.2	15.8	9.7	4.0	26.7	27.4
Avg	.04	7.4	8.9	9.8	16.2	12.4	27.3	27.1
Max	.66	17.9	20.8	19.5	26.8	30.8	33.0	32.0
Hr. of Max	11	15	13	16	11	11	17	17
Min	-.23	2.3	2.1	2.5	8.0	2.9	22.2	22.3
Count	24	24	24	24	24	24	24	24
Total								