Date Printed: 07/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2016

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	23.5	24.4	25.0	25.3	.89	1.46	1.84	.57	.95
01:00	23.0	23.9	24.4	24.9	.91	1.36	1.90	.46	.99
02:00	22.6	23.6	23.8	24.1	.91	1.16	1.44	.26	.53
03:00	22.2	23.1	23.4	23.8	.88	1.22	1.62	.34	.74
04:00	22.0	22.8	23.1	23.4	.87	1.16	1.43	.29	.56
05:00	21.7	22.7	23.0	23.2	1.00	1.33	1.51	.34	.51
06:00	21.5	22.4	22.7	23.1	.90	1.23	1.58	.33	.68
07:00	22.2	22.3	22.7	23.0	.11	.48	.82	.37	.72
08:00	24.5	24.2	24.1	24.0	-.31	-.46	-.55	-.15	-.25
09:00	26.7	26.1	25.8	25.6	-.55	-.88	-1.04	-.33	-.49
10:00	28.9	28.1	27.7	27.6	-.80	-1.16	-1.30	-.35	-.50
11:00	30.6	29.5	29.2	29.0	-1.09	-1.43	-1.57	-.35	-.49
12:00	31.8	30.5	30.2	30.1	-1.24	-1.57	-1.68	-.32	-.43
13:00	33.0	31.7	31.4	31.3	-1.34	-1.67	-1.77	-.33	-.43
14:00	34.0	32.6	32.3	32.2	-1.42	-1.77	-1.87	-.35	-.46
15:00	31.8	31.5	31.5	31.7	-.31	-.29	-.12	.02	.19
16:00	29.0	28.3	28.2	28.3	-.65	-.82	-.67	-.17	-.02
17:00	29.9	28.9	28.5	28.3	-.99	-1.37	-1.60	-.37	-.60
18:00	30.3	29.7	29.4	29.3	-.67	-.96	-1.04	-.29	-.38
19:00	29.0	29.4	29.6	29.7	.40	.57	.70	.17	.30
20:00	26.7	27.8	28.8	29.2	1.08	2.04	2.43	.96	1.35
21:00	25.1	26.3	26.9	28.0	1.23	1.82	2.98	.60	1.76
22:00	24.2	25.3	26.1	26.6	1.07	1.87	2.34	.79	1.27
23:00	23.6	24.6	25.3	25.7	.98	1.69	2.11	.71	1.13
Avg	26.6	26.7	26.8	27.0	.08	.21	.40	.13	.32
Max	34.0	32.6	32.3	32.2	1.23	2.04	2.98	.96	1.76
Hr. of Max	14	14	14	14	21	20	21	20	21
Min	21.5	22.3	22.7	23.0	-1.42	-1.77	-1.87	-.37	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2016

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	21.9	23.3	22.4	28.3	93.0	96.2	19.2	20.8	0.016934
01:00	21.4	23.1	22.0	28.1	93.4	97.8	18.8	20.6	0.016498
02:00	21.2	22.9	21.7	27.8	93.8	98.9	18.5	20.4	0.016223
03:00	20.8	22.4	21.2	27.6	94.1	99.0	18.1	19.9	0.015827
04:00	20.7	22.2	21.1	27.4	94.8	99.1	18.0	19.7	0.015724
05:00	20.4	22.0	20.8	27.2	94.8	99.0	17.6	19.5	0.015429
06:00	20.2	21.8	20.6	26.9	94.9	99.0	17.5	19.2	0.015272
07:00	20.9	21.6	21.3	26.7	94.7	98.2	18.2	18.9	0.015919
08:00	21.9	21.4	22.7	26.6	87.5	86.7	19.2	18.7	0.016922
09:00	21.8	21.1	23.4	26.5	77.0	76.3	18.9	18.2	0.016855
10:00	21.5	20.8	23.9	26.5	66.5	66.5	18.5	17.7	0.016584
11:00	21.3	20.5	24.4	26.7	59.5	60.2	18.2	17.4	0.016431
12:00	20.8	20.4	24.4	27.2	54.0	56.7	17.6	17.3	0.015922
13:00	20.2	20.0	24.5	27.9	48.6	51.4	17.0	16.8	0.015433
14:00	19.3	19.1	24.2	28.6	43.4	46.5	16.0	15.9	0.014573
15:00	20.0	19.6	23.9	29.1	52.5	51.6	16.8	16.5	0.015226
16:00	21.8	21.3	24.2	29.3	67.5	67.7	18.9	18.3	0.016969
17:00	20.4	20.4	23.5	29.4	58.6	62.0	17.3	17.3	0.015548
18:00	19.7	19.5	23.2	29.4	54.8	55.9	16.6	16.3	0.014923
19:00	21.1	20.5	23.8	29.5	64.6	60.7	18.1	17.4	0.01628
20:00	22.0	21.5	23.6	29.5	77.5	70.8	19.2	18.6	0.017129
21:00	21.7	22.0	22.9	29.3	84.2	79.4	19.0	19.2	0.016864
22:00	21.6	22.1	22.4	29.1	87.5	84.9	18.8	19.4	0.016646
23:00	21.4	22.1	22.2	28.9	90.1	88.8	18.7	19.5	0.01651
Avg	21.0	21.3	22.8	28.1	76.1	77.2	18.1	18.5	0.01611
Max	22.0	23.3	24.5	29.5	94.9	99.1	19.2	20.8	0.017129
Hr. of Max	20	00	13	20	06	04	20	00	20
Min	19.3	19.1	20.6	26.5	43.4	46.5	16.0	15.9	0.014573
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2016

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	0.018473	26.3	28.6	.00	29.29	992.1	-2.6	.00	263.9
01:00	0.01825	25.6	28.3	.00	29.29	992.0	-1.9	.00	297.8
02:00	0.018061	25.2	28.0	.00	29.29	991.8	-2.3	.00	308.3
03:00	0.017569	24.6	27.2	.00	29.28	991.6	-1.6	.00	262.7
04:00	0.017326	24.5	26.9	.00	29.28	991.7	-2.4	.00	19.5
05:00	0.017131	24.0	26.6	.00	29.29	991.9	-1.7	.00	337.9
06:00	0.016839	23.8	26.2	.00	29.30	992.3	3.4	.00	272.6
07:00	0.016615	24.8	25.8	.00	29.31	992.7	73.6	.11	234.7
08:00	0.016456	26.3	25.6	.00	29.34	993.4	230.8	.33	162.8
09:00	0.016162	26.2	25.2	.00	29.34	993.7	482.2	.69	169.6
10:00	0.015835	25.8	24.7	.00	29.33	993.4	686.7	.98	178.6
11:00	0.015625	25.6	24.3	.00	29.32	993.0	861.5	1.23	131.2
12:00	0.015577	24.8	24.3	.00	29.31	992.6	821.7	1.18	354.8
13:00	0.015137	24.0	23.6	.00	29.29	992.0	938.8	1.35	179.6
14:00	0.014407	22.7	22.4	.00	29.28	991.4	897.3	1.29	318.1
15:00	0.014887	23.7	23.2	.00	29.25	990.7	290.8	.42	294.9
16:00	0.016417	26.3	25.5	.00	29.25	990.6	471.9	.68	334.6
17:00	0.015536	24.1	24.1	.00	29.23	990.0	478.9	.69	337.9
18:00	0.014673	23.2	22.8	.00	29.23	989.8	315.5	.45	340.1
19:00	0.01569	25.2	24.4	.00	29.23	989.7	169.0	.24	313.3
20:00	0.016671	26.5	25.8	.00	29.23	989.8	19.6	.03	320.2
21:00	0.017104	26.1	26.5	.00	29.24	990.2	-2.3	.00	297.8
22:00	0.017232	25.8	26.7	.00	29.26	990.9	-2.1	.00	292.4
23:00	0.017254	25.6	26.8	.00	29.27	991.3	-2.2	.00	297.7
Avg	0.016455	25.0	25.6	.00	29.28	991.6	280.1	.40	295.0
Max	0.018473	26.5	28.6	.00	29.34	993.7	938.8	1.35	354.8
Hr. of Max	00	20	00	23	09	09	13	13	12
Min	0.014407	22.7	22.4	.00	29.23	989.7	-2.6	.00	19.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2016

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	246.7	219.9	264.2	219.0	29.4	18.3	14.9	1.2	1.5
01:00	247.2	175.9	276.7	198.3	58.3	43.8	22.6	.3	.2
02:00	9.0	120.9	301.3	43.1	30.4	34.0	14.1	.2	.1
03:00	323.5	161.1	257.2	241.4	52.4	50.9	37.1	.8	.4
04:00	71.0	76.5	355.5	46.2	59.7	42.8	31.6	.2	1.0
05:00	7.5	85.3	327.6	35.0	31.0	38.1	21.3	.6	.8
06:00	236.3	102.4	265.1	60.2	78.8	39.7	26.5	.7	.3
07:00	232.7	149.1	241.1	221.4	23.3	20.4	39.2	1.6	1.2
08:00	191.2	81.7	186.8	4.0	49.5	65.9	38.1	.6	.2
09:00	192.7	156.1	183.7	204.0	54.9	60.3	39.9	1.0	.9
10:00	184.2	169.8	185.2	169.4	40.2	47.0	46.6	1.6	1.4
11:00	131.5	131.9	144.5	125.6	50.6	58.6	60.3	1.4	1.1
12:00	337.0	351.0	357.0	327.2	59.6	64.4	63.8	.6	.9
13:00	184.5	180.1	186.7	178.9	59.2	51.7	49.9	2.1	2.2
14:00	325.8	328.7	318.9	316.5	55.4	47.4	45.5	1.8	2.5
15:00	301.0	299.2	295.8	288.2	26.4	21.4	19.6	3.6	5.4
16:00	347.9	349.0	336.2	335.1	38.9	26.3	20.5	3.9	6.6
17:00	343.3	345.3	337.6	331.3	38.0	23.9	20.7	2.5	3.8
18:00	357.3	19.6	323.8	350.9	63.4	61.5	49.3	.7	1.1
19:00	330.6	330.4	311.7	311.5	36.3	28.4	28.5	1.5	2.5
20:00	341.0	2.3	319.6	337.7	31.7	22.8	29.2	1.0	1.2
21:00	221.2	214.0	292.4	240.5	41.4	25.7	53.9	.7	1.2
22:00	323.3	191.8	292.2	212.7	55.9	59.3	45.0	.7	.2
23:00	60.5	118.9	289.4	86.4	43.7	35.7	37.3	.5	.5
Avg	303.0	120.0	287.0	301.0	46.2	41.2	35.6	.0	.0
Max	357.3	351.0	357.0	350.9	78.8	65.9	63.8	3.9	6.6
Hr. of Max	18	12	12	18	06	08	12	16	16
Min	7.5	2.3	144.5	4.0	23.3	18.3	14.1	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2016

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	2.1	1.5	1.6	2.4	1.7	2.5	.0	-.8	-.02
01:00	.7	.5	.3	.9	.9	1.3	.7	.5	.01
02:00	.2	.4	.5	.2	.7	.7	1.2	.2	.02
03:00	.2	.9	.6	.3	1.2	.9	.8	.3	.02
04:00	1.4	.4	1.0	1.5	.8	1.8	2.6	1.5	.04
05:00	.9	1.3	1.1	1.0	1.6	1.5	1.6	.6	.02
06:00	.5	.9	1.1	.6	1.2	1.2	-.2	.3	-.02
07:00	.3	1.7	1.3	.4	2.1	.9	.2	-.2	-.02
08:00	.3	.7	.5	.7	1.2	1.1	6.1	-1.0	.15
09:00	1.0	1.2	1.3	1.3	1.8	1.9	2.1	-4.8	.13
10:00	1.4	2.1	2.0	1.9	2.8	2.5	-3.3	-1.3	-.12
11:00	.7	2.2	1.9	1.5	2.8	2.3	.8	-5.5	.03
12:00	1.1	2.8	2.7	2.7	3.3	3.4	-2.0	.5	-.08
13:00	2.4	3.1	3.1	3.1	3.8	3.8	1.9	-1.4	.06
14:00	2.7	3.3	3.9	3.9	3.9	4.5	-4.4	3.5	-.34
15:00	6.4	4.0	5.9	6.8	4.2	6.9	-4.7	-5.4	-.39
16:00	9.3	4.6	7.2	9.9	5.3	10.5	-4.5	-.7	-.70
17:00	4.5	3.0	4.2	4.8	3.6	5.2	-2.1	-2.5	-.34
18:00	1.2	1.3	1.6	1.6	1.7	2.1	-2.1	.2	-.08
19:00	2.8	1.8	3.0	3.5	1.9	3.6	-1.9	-2.2	-.13
20:00	1.8	1.4	1.6	2.0	1.7	2.2	1.1	4.1	.01
21:00	.9	1.0	1.3	1.2	1.2	1.6	.7	.5	.00
22:00	.8	1.1	.8	1.2	1.4	1.5	1.6	1.6	.04
23:00	.1	.7	.7	.3	.9	.7	.7	-1.2	.01
Avg	.0	1.7	2.1	2.2	2.2	2.7	-.1	-.6	-.07
Max	9.3	4.6	7.2	9.9	5.3	10.5	6.1	4.1	.15
Hr. of Max	16	16	16	16	16	16	08	20	08
Min	.1	.4	.3	.2	.7	.7	-4.7	-5.5	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	-.04	3.4	3.4	3.7	6.0	2.7	26.3	27.0
01:00	.01	1.8	1.8	3.4	8.4	7.5	25.8	26.6
02:00	.00	1.8	1.4	1.4	4.9	7.5	25.4	25.7
03:00	.01	2.5	1.8	2.5	4.9	6.6	24.8	25.4
04:00	.05	2.3	3.0	3.0	8.1	5.3	24.6	24.9
05:00	.02	2.7	3.0	3.2	6.9	6.9	24.3	24.7
06:00	.02	2.7	3.4	4.6	7.4	8.2	24.0	24.5
07:00	-.01	3.7	3.2	1.8	10.6	7.6	24.0	24.5
08:00	-.01	2.5	2.5	3.4	27.0	21.9	26.0	25.6
09:00	-.09	4.8	4.8	4.8	31.1	33.4	27.8	27.1
10:00	-.03	6.4	5.5	5.5	25.7	33.3	29.5	28.8
11:00	-.29	5.5	5.3	5.0	30.3	37.7	31.0	30.3
12:00	-.15	7.1	6.6	6.9	24.7	32.0	31.9	31.2
13:00	-.08	7.3	7.6	8.5	24.2	30.8	32.9	32.1
14:00	.12	9.2	11.9	10.1	21.9	26.4	33.8	33.0
15:00	-.68	9.2	10.5	11.7	15.8	11.9	32.7	32.5
16:00	-.26	16.7	19.5	19.7	21.6	12.2	30.0	29.4
17:00	-.30	10.8	12.1	14.9	24.7	14.8	30.4	29.4
18:00	-.06	3.9	4.1	7.8	27.7	25.9	31.1	30.4
19:00	-.13	5.7	6.9	7.6	15.3	9.0	30.9	30.8
20:00	.12	3.2	3.2	6.9	8.7	9.2	29.3	30.4
21:00	.02	2.3	3.0	3.2	9.2	10.2	28.0	29.5
22:00	.04	3.0	2.7	2.7	7.6	7.7	27.0	28.0
23:00	-.01	2.1	2.3	1.8	6.9	10.4	26.3	27.2
Avg	-.07	5.0	5.4	6.0	15.8	15.8	28.2	28.3
Max	.12	16.7	19.5	19.7	31.1	37.7	33.8	33.0
Hr. of Max	20	16	16	16	09	11	14	14
Min	-.68	1.8	1.4	1.4	4.9	2.7	24.0	24.5
Count	24	24	24	24	24	24	24	24
Total								