Date Printed: 09/02/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2016

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	22.2	23.1	23.4	23.9	.90	1.26	1.71	.36	.81
01:00	21.6	22.4	23.1	23.7	.73	1.41	2.03	.68	1.30
02:00	21.1	21.9	22.5	23.1	.83	1.42	1.97	.59	1.14
03:00	20.9	21.6	22.2	22.8	.78	1.35	1.92	.57	1.14
04:00	20.6	21.4	21.7	22.0	.71	1.03	1.36	.32	.65
05:00	20.5	21.2	21.7	22.0	.69	1.14	1.53	.45	.83
06:00	20.7	21.1	21.4	21.7	.42	.68	1.04	.26	.61
07:00	20.5	21.0	21.2	21.4	.44	.67	.86	.24	.43
08:00	22.0	21.8	21.8	21.9	-.19	-.16	-.10	.03	.09
09:00	24.8	24.2	23.9	23.8	-.59	-.88	-1.01	-.29	-.42
10:00	26.8	25.9	25.6	25.4	-.93	-1.28	-1.45	-.35	-.52
11:00	28.9	27.7	27.3	27.2	-1.19	-1.63	-1.76	-.44	-.57
12:00	30.4	29.0	28.5	28.4	-1.41	-1.86	-2.01	-.46	-.61
13:00	29.7	28.7	28.2	28.1	-1.04	-1.47	-1.65	-.43	-.61
14:00	24.3	23.9	23.7	23.7	-.46	-.66	-.67	-.20	-.21
15:00	27.1	26.2	25.9	25.8	-.89	-1.20	-1.32	-.31	-.42
16:00	30.5	29.3	28.8	28.6	-1.16	-1.65	-1.91	-.49	-.75
17:00	29.7	29.2	28.9	28.8	-.56	-.84	-.97	-.28	-.41
18:00	25.0	25.4	26.8	27.5	.41	1.86	2.49	1.45	2.08
19:00	25.3	25.7	25.7	25.6	.43	.35	.30	-.07	-.12
20:00	24.1	24.6	24.6	24.7	.50	.54	.62	.04	.12
21:00	22.9	23.9	24.0	24.2	.95	1.06	1.24	.10	.29
22:00	23.1	23.8	23.9	24.1	.64	.82	.99	.18	.36
23:00	23.3	23.5	23.5	23.6	.24	.25	.28	.00	.04
Avg	24.4	24.4	24.5	24.7	.01	.09	.23	.08	.22
Max	30.5	29.3	28.9	28.8	.95	1.86	2.49	1.45	2.08
Hr. of Max	16	16	17	17	21	18	18	18	18
Min	20.5	21.0	21.2	21.4	-1.41	-1.86	-2.01	-.49	-.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2016

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	19.6	20.0	20.5	28.1	87.8	85.3	16.8	17.2	0.014861
01:00	19.5	20.1	20.2	27.8	90.0	89.0	16.8	17.3	0.014768
02:00	19.3	20.0	19.9	27.6	91.5	91.2	16.5	17.3	0.014539
03:00	19.2	20.1	19.7	27.4	92.2	93.3	16.4	17.4	0.014433
04:00	19.1	20.2	19.6	27.2	92.8	95.4	16.3	17.5	0.014333
05:00	19.0	20.2	19.5	27.0	93.1	96.4	16.3	17.5	0.014268
06:00	19.2	20.2	19.7	26.8	93.2	96.9	16.4	17.5	0.014429
07:00	19.0	20.1	19.5	26.7	93.3	97.4	16.3	17.4	0.014296
08:00	19.9	20.1	20.6	26.5	90.0	92.6	17.1	17.4	0.015079
09:00	19.7	19.1	21.4	26.4	75.2	74.8	16.8	16.1	0.014947
10:00	19.4	18.8	21.9	26.3	65.4	66.6	16.4	15.8	0.014654
11:00	19.2	18.9	22.4	26.4	57.4	60.4	16.1	15.9	0.014524
12:00	18.5	18.5	22.5	26.7	50.7	54.7	15.4	15.4	0.013966
13:00	18.0	18.1	21.9	27.1	51.2	54.5	14.9	15.0	0.01351
14:00	19.7	19.4	21.3	27.5	77.6	78.3	16.8	16.5	0.014976
15:00	21.1	20.6	23.1	27.7	72.3	73.8	18.2	17.7	0.016386
16:00	20.0	20.0	23.5	27.8	55.4	58.9	16.9	16.9	0.015358
17:00	18.6	18.5	22.3	28.0	53.2	54.4	15.5	15.5	0.014076
18:00	21.2	20.4	22.5	28.1	82.1	76.3	18.4	17.5	0.016467
19:00	20.3	20.0	22.0	28.1	76.1	72.6	17.4	17.0	0.01558
20:00	20.1	20.0	21.4	28.0	80.8	77.8	17.3	17.1	0.015348
21:00	20.0	20.0	20.9	27.8	85.5	80.9	17.1	17.1	0.015159
22:00	19.7	19.5	20.9	27.6	83.2	79.2	16.9	16.7	0.014934
23:00	18.4	18.2	20.0	27.4	75.7	74.0	15.5	15.4	0.013708
Avg	19.5	19.6	21.1	27.3	77.7	78.1	16.6	16.8	0.014775
Max	21.2	20.6	23.5	28.1	93.3	97.4	18.4	17.7	0.016467
Hr. of Max	18	15	16	19	07	07	18	15	18
Min	18.0	18.1	19.5	26.3	50.7	54.4	14.9	15.0	0.01351
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2016

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	0.015244	22.9	23.5	.00	29.03	983.1	-2.1	.00	254.6
01:00	0.015263	22.8	23.5	.00	29.02	982.9	-2.4	.00	262.3
02:00	0.015251	22.4	23.5	.00	29.01	982.4	-2.1	.00	292.4
03:00	0.015326	22.3	23.6	.00	29.01	982.4	-2.5	.00	216.7
04:00	0.015396	22.1	23.7	.00	29.00	982.2	-2.7	.00	251.6
05:00	0.015408	22.0	23.7	.00	29.01	982.3	-1.9	.00	261.4
06:00	0.015396	22.3	23.7	.00	29.01	982.4	-1.9	.00	248.2
07:00	0.015333	22.1	23.6	.00	29.02	982.8	17.6	.03	286.2
08:00	0.015334	23.3	23.7	.00	29.04	983.3	134.6	.19	26.5
09:00	0.014339	23.1	22.2	.00	29.04	983.4	400.1	.57	152.2
10:00	0.014129	22.6	21.8	.00	29.04	983.5	602.8	.86	141.6
11:00	0.014261	22.4	22.0	.00	29.03	983.3	782.5	1.12	55.8
12:00	0.013901	21.6	21.5	.00	29.02	982.7	802.5	1.15	21.6
13:00	0.013525	20.9	20.9	.00	29.01	982.4	448.9	.64	355.5
14:00	0.014695	23.1	22.7	.02	29.02	982.8	293.3	.42	14.0
15:00	0.015869	25.2	24.4	.00	29.00	982.0	812.7	1.17	65.5
16:00	0.015276	23.7	23.5	.00	28.98	981.5	713.2	1.02	33.1
17:00	0.013976	21.7	21.6	.00	28.99	981.7	329.6	.47	43.4
18:00	0.015648	25.3	24.1	.01	29.00	982.0	84.0	.12	309.8
19:00	0.015249	24.0	23.5	.00	29.01	982.5	40.3	.06	77.8
20:00	0.015225	23.7	23.5	.00	29.02	982.9	-1.3	.00	46.1
21:00	0.0152	23.4	23.5	.00	29.04	983.5	-2.4	.00	40.1
22:00	0.014772	23.1	22.8	.00	29.05	983.9	-2.4	.00	46.2
23:00	0.013607	21.2	21.1	.00	29.05	983.9	-1.9	.00	43.0
Avg	0.014901	22.8	23.0	.00	29.02	982.7	226.6	.33	5.0
Max	0.015869	25.3	24.4	.02	29.05	983.9	812.7	1.17	355.5
Hr. of Max	15	18	15	14	23	23	15	15	13
Min	0.013525	20.9	20.9	.00	28.98	981.5	-2.7	.00	14.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2016

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	234.6	205.3	258.2	200.9	16.3	14.6	11.0	2.0	2.5
01:00	267.3	233.2	263.9	233.2	49.4	41.6	25.8	1.0	1.4
02:00	215.6	246.5	278.1	246.8	69.9	41.5	37.0	.5	.4
03:00	181.8	81.2	222.5	352.8	53.6	23.7	54.1	.8	1.0
04:00	226.7	205.0	251.6	203.3	44.4	14.7	16.8	1.4	2.1
05:00	261.8	229.4	261.0	227.1	20.2	23.6	14.0	1.0	.8
06:00	224.5	209.7	251.4	213.9	10.3	27.4	13.4	1.5	1.8
07:00	267.2	208.5	285.9	232.2	22.9	19.2	45.5	.6	.9
08:00	48.1	65.4	11.0	30.8	38.5	28.2	22.1	.1	.4
09:00	163.0	152.8	162.1 +	155.0	41.3	48.2	47.2	.8	.9
10:00	129.1	121.8	152.9	125.0	62.8	56.0	47.8	.7	.8
11:00	46.1	34.4	52.2	18.7	39.8	40.6	43.2	1.2	1.6
12:00	22.0	16.4	17.5	3.0	51.5	37.4	37.0	1.7	2.4
13:00	.1	357.4	351.4	344.0	51.5	35.7	29.2	2.8	5.4
14:00	9.2	8.9	16.3	355.3	42.8	25.2	21.6	3.5	6.9
15:00	53.1	49.2	67.6	36.5	38.1	30.6	24.5	2.8	3.5
16:00	34.0	31.8	38.3	18.7	41.8	25.8	19.7	4.1	6.9
17:00	40.0	39.5	42.3	26.7	36.4	21.0	14.4	3.8	7.0
18:00	28.0	40.1	308.6	25.7	31.8	15.7	13.7	.7	4.2
19:00	82.3	79.2	78.8	67.7	25.1	14.3	10.6	4.2	7.3
20:00	56.1	62.4	48.4	50.9	22.4	14.1	10.4	2.6	5.0
21:00	55.1	57.8	41.4	46.5	10.3	7.2	4.9	2.2	4.0
22:00	40.4	38.6	47.6	25.1	27.4	10.9	8.7	2.5	6.4
23:00	38.8	37.5	45.9 +	24.3	30.4	14.2	11.3	3.2	7.3
Avg	39.0	61.0	359.0	18.0	36.6	26.3	24.3	.0	.0
Max	267.3	357.4	351.4	355.3	69.9	56.0	54.1	4.2	7.3
Hr. of Max	01	13	13	14	02	10	03	19	23
Min	.1	8.9	11.0	3.0	10.3	7.2	4.9	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2016

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	3.2	2.1	2.7	3.4	2.4	3.6	-1.2	.1	-.06
01:00	1.9	1.3	1.6	2.0	1.5	2.3	.3	.1	-.02
02:00	1.2	.7	.8	1.8	1.0	2.0	1.4	1.9	.03
03:00	.2	1.0	1.5	.7	1.4	1.2	2.0	.4	.03
04:00	2.1	1.5	2.2	2.1	1.8	2.4	.6	.0	-.02
05:00	1.8	1.2	.9	2.0	1.5	2.2	1.2	.2	.02
06:00	1.6	1.6	1.9	1.6	1.9	2.0	-.3	.3	-.02
07:00	.8	.7	1.1	.8	1.0	1.1	1.1	.0	.02
08:00	.4	.3	.6	.6	.6	1.0	3.0	-.7	.10
09:00	.9	1.2	1.1	1.2	1.8	1.9	3.3	-5.2	.12
10:00	.8	1.6	1.6	1.4	2.2	2.2	-6.1	-26.8	-.25
11:00	1.7	2.9	3.3	3.4	3.5	4.1	-6.0	-11.2	-.43
12:00	2.6	3.2	3.7	3.7	3.8	4.4	-5.6	-10.7	-.51
13:00	6.4	4.2	6.6	7.7	4.7	8.4	-.4	-3.8	-.29
14:00	9.1	4.3	7.5	9.8	5.0	10.3	.1	1.3	-.42
15:00	4.3	3.4	4.1	4.8	3.9	5.3	-.8	1.9	-.18
16:00	8.3	4.9	7.4	8.7	5.5	9.3	2.2	1.6	-.33
17:00	8.6	4.5	7.4	8.9	4.9	9.3	-1.7	-.1	-.43
18:00	6.7	2.6	5.8	8.0	3.1	8.4	-2.8	1.8	-.08
19:00	9.0	4.5	7.5	9.2	5.2	9.5	2.6	1.4	.07
20:00	6.4	2.8	5.2	6.5	3.1	6.9	-4.7	.5	-.34
21:00	5.8	2.3	4.1	5.8	2.3	6.0	-6.3	-.8	-.28
22:00	8.7	2.7	6.5	8.8	3.2	9.1	-1.6	.2	-.20
23:00	9.7	3.6	7.5	9.9	4.0	10.4	-1.7	.8	-.38
Avg	.0	2.5	3.9	4.7	2.9	5.1	-.9	-2.0	-.16
Max	9.7	4.9	7.5	9.9	5.5	10.4	3.3	1.9	.12
Hr. of Max	23	16	23	23	16	23	09	15	09
Min	.2	.3	.6	.6	.6	1.0	-6.3	-26.8	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2016

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	.00	6.0	6.4	8.5	4.9	3.7	24.6	25.1
01:00	.02	5.3	3.7	6.2	8.2	6.1	23.9	24.9
02:00	.06	2.7	2.1	4.6	8.4	9.8	23.4	24.4
03:00	.00	3.0	3.7	2.5	10.2	21.9	23.2	24.1
04:00	.01	3.7	4.4	3.7	8.3	5.2	22.9	23.3
05:00	.01	2.3	3.4	3.9	6.0	3.9	22.7	23.4
06:00	.04	3.0	3.2	6.0	4.4	5.6	22.7	23.1
07:00	-.01	2.7	3.2	2.1	6.0	4.8	22.5	22.7
08:00	.02	2.1	2.3	2.1	20.5	16.3	23.5	23.2
09:00	-.29	4.6	4.1	4.6	31.9	36.5	25.8	25.1
10:00	-1.40	6.0	6.2	4.8	32.9	30.2	27.4	26.6
11:00	-.72	7.8	8.5	9.4	25.9	28.8	29.2	28.2
12:00	-.83	9.6	9.2	9.8	27.9	27.1	30.3	29.3
13:00	-.40	16.5	25.0	24.0	25.7	19.8	29.9	28.8
14:00	.04	16.3	21.3	26.8	24.5	11.9	25.4	24.8
15:00	-.03	9.4	16.5	17.9	23.7	20.8	27.9	27.0
16:00	.04	15.6	17.9	17.6	26.1	16.4	30.8	29.6
17:00	-.13	13.5	20.4	19.7	23.0	11.1	30.4	29.6
18:00	.24	16.5	15.1	17.9	15.5	7.2	26.9	28.3
19:00	.09	15.6	16.0	25.4	17.5	8.7	27.2	26.7
20:00	-.01	7.6	8.9	17.2	15.3	8.1	26.1	25.8
21:00	-.10	4.6	6.9	8.9	7.8	3.3	25.4	25.3
22:00	-.03	9.6	14.4	17.6	18.2	6.7	25.2	25.2
23:00	-.01	10.8	15.8	24.5	23.3	9.3	24.8	24.5
Avg	-.14	8.1	9.9	11.9	17.3	13.5	25.9	25.8
Max	.24	16.5	25.0	26.8	32.9	36.5	30.8	29.6
Hr. of Max	18	18	13	14	10	09	16	17
Min	-1.40	2.1	2.1	2.1	4.4	3.3	22.5	22.7
Count	24	24	24	24	24	24	24	24
Total								