Date Printed: 08/19/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/18/2016

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	22.9	23.1	23.3	.77	.91	1.12	.14	.35
01:00	21.8	22.6	22.7	22.9	.77	.87	1.06	.10	.30
02:00	21.4	22.2	22.4	22.6	.81	1.00	1.15	.19	.34
03:00	21.1	22.1	22.2	22.3	.92	1.08	1.18	.16	.26
04:00	20.9	21.7	22.0	22.1	.85	1.11	1.26	.26	.41
05:00	20.9	21.6	21.8	21.9	.79	.92	1.01	.13	.22
06:00	21.1	21.6	21.7	21.8	.51	.62	.70	.11	.18
07:00	21.6	21.8	21.9	21.9	.15	.22	.28	.07	.13
08:00	22.9	22.6	22.4	22.4	-.30	-.49	-.52	-.19	-.22
09:00	23.6	23.4	23.2	23.2	-.20	-.39	-.47	-.20	-.27
10:00	21.6	21.5	21.4	21.4	-.05	-.17	-.19	-.12	-.14
11:00	20.6	20.5	20.4	20.4	-.12	-.23	-.22	-.11	-.10
12:00	21.2	21.0	20.8	20.8	-.24	-.40	-.45	-.17	-.22
13:00	23.0	22.5	22.2	22.1	-.45	-.75	-.87	-.30	-.41
14:00	24.7	24.0	23.7	23.6	-.68	-1.01	-1.09	-.33	-.41
15:00	26.3	25.6	25.3	25.2	-.74	-1.01	-1.13	-.27	-.39
16:00	27.4	26.8	26.5	26.3	-.61	-.94	-1.10	-.33	-.48
17:00	27.7	27.3	27.0	26.9	-.39	-.65	-.76	-.26	-.37
18:00	25.7	25.8	26.1	26.2	.10	.33	.45	.23	.35
19:00	25.1	25.0	24.8	24.8	-.15	-.29	-.31	-.14	-.15
20:00	23.9	24.0	24.2	24.4	.15	.33	.53	.18	.38
21:00	23.2	23.5	23.8	23.9	.27	.58	.75	.31	.48
22:00	22.7	23.1	23.3	23.4	.38	.54	.70	.16	.32
23:00	22.7	22.9	23.1	23.5	.17	.36	.77	.19	.60
Avg	23.1	23.2	23.2	23.2	.11	.11	.16	-.01	.05
Max	27.7	27.3	27.0	26.9	.92	1.11	1.26	.31	.60
Hr. of Max	17	17	17	17	03	04	04	21	23
Min	20.6	20.5	20.4	20.4	-.74	-1.01	-1.13	-.33	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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8/18/2016

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	20.7	21.2	21.2	28.0	93.8	92.4	18.0	18.5	0.015763
01:00	20.5	21.3	20.9	27.8	94.5	94.7	17.7	18.6	0.015552
02:00	20.1	21.3	20.6	27.6	94.7	97.2	17.4	18.7	0.015216
03:00	19.9	21.2	20.3	27.4	94.8	97.2	17.1	18.5	0.014971
04:00	19.7	21.0	20.1	27.2	95.2	98.2	16.9	18.3	0.014795
05:00	19.7	20.9	20.1	27.0	95.3	98.1	17.0	18.2	0.0148
06:00	19.9	20.8	20.3	26.9	95.3	97.3	17.2	18.1	0.01502
07:00	20.4	20.9	20.8	26.7	95.1	97.1	17.7	18.2	0.015504
08:00	21.0	21.0	21.7	26.6	91.4	92.9	18.3	18.3	0.01611
09:00	21.1	21.0	21.9	26.5	87.8	88.3	18.3	18.2	0.016138
10:00	19.9	20.3	20.4	26.4	92.3	95.3	17.1	17.6	0.014984
11:00	19.5	20.0	19.9	26.2	95.5	99.4	16.8	17.3	0.014613
12:00	20.1	20.5	20.5	25.9	95.8	99.5	17.4	17.8	0.015224
13:00	21.0	22.0	21.7	25.7	90.9	99.3	18.2	19.4	0.016068
14:00	20.2	23.3	21.7	25.7	78.2	98.6	17.3	20.9	0.015347
15:00	20.2	22.1	22.3	25.8	71.1	84.2	17.2	19.5	0.01537
16:00	20.4	19.7	22.7	26.1	67.4	66.9	17.4	16.7	0.015549
17:00	20.7	20.1	23.1	26.3	68.0	66.9	17.8	17.1	0.015926
18:00	22.3	21.4	23.4	26.6	83.8	79.1	19.6	18.6	0.017513
19:00	22.6	22.5	23.5	26.7	88.8	89.0	20.1	19.9	0.017894
20:00	22.3	22.7	22.9	26.8	93.8	95.1	19.8	20.2	0.017551
21:00	21.9	22.7	22.3	26.8	95.2	98.3	19.3	20.2	0.017088
22:00	21.6	22.5	22.0	26.7	95.8	99.3	18.9	20.0	0.016714
23:00	21.6	22.3	22.0	26.6	96.1	99.2	19.0	19.7	0.016732
Avg	20.7	21.4	21.5	26.7	89.6	92.6	18.0	18.7	0.015852
Max	22.6	23.3	23.5	28.0	96.1	99.5	20.1	20.9	0.017894
Hr. of Max	19	14	19	00	23	12	19	14	19
Min	19.5	19.7	19.9	25.7	67.4	66.9	16.8	16.7	0.014613
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/18/2016

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	0.016286	24.5	25.3	.00	29.25	990.6	-2.5	.00	47.9
01:00	0.016334	24.2	25.3	.00	29.25	990.6	-2.4	.00	12.8
02:00	0.016419	23.6	25.5	.00	29.25	990.4	-2.1	.00	10.0
03:00	0.016244	23.3	25.2	.00	29.24	990.1	-2.3	.00	44.8
04:00	0.016077	23.0	24.9	.00	29.23	989.9	-2.3	.00	19.0
05:00	0.015983	23.0	24.8	.00	29.23	989.8	-2.1	.00	20.1
06:00	0.015827	23.3	24.6	.00	29.23	989.8	-2.2	.00	327.5
07:00	0.015978	24.1	24.8	.00	29.24	990.1	27.1	.04	353.4
08:00	0.016074	25.0	24.9	.00	29.24	990.3	143.7	.21	17.2
09:00	0.016045	25.0	24.9	.00	29.25	990.5	65.0	.09	36.7
10:00	0.015399	23.3	23.9	.77	29.27	991.2	9.2	.01	226.8
11:00	0.015095	22.8	23.5	.17	29.27	991.4	13.9	.02	232.2
12:00	0.015578	23.7	24.2	.04	29.25	990.6	137.8	.20	98.2
13:00	0.017093	24.9	26.5	.00	29.24	990.2	462.8	.66	159.6
14:00	0.018582	23.8	28.7	.00	29.23	989.8	683.5	.98	134.6
15:00	0.017393	23.8	26.9	.00	29.19	988.6	650.0	.93	47.9
16:00	0.014873	24.1	23.1	.00	29.16	987.7	542.3	.78	163.4
17:00	0.015324	24.6	23.7	.00	29.15	987.1	331.9	.48	116.4
18:00	0.016624	27.0	25.7	.01	29.14	986.9	119.0	.17	273.5
19:00	0.017764	27.6	27.4	.00	29.15	987.0	57.9	.08	223.9
20:00	0.017954	27.1	27.7	.00	29.15	987.2	3.1	.00	267.1
21:00	0.017932	26.4	27.7	.00	29.16	987.5	-1.6	.00	313.7
22:00	0.017737	25.9	27.4	.00	29.17	987.8	-2.7	.00	243.7
23:00	0.017456	25.9	27.0	.00	29.18	988.0	-2.6	.00	230.4
Avg	0.016503	24.6	25.6	.04	29.21	989.3	134.4	.19	2.0
Max	0.018582	27.6	28.7	.77	29.27	991.4	683.5	.98	353.4
Hr. of Max	14	19	14	10	11	11	14	14	07
Min	0.014873	22.8	23.1	.00	29.14	986.9	-2.7	.00	10.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/18/2016

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	62.6	39.4	49.6	22.9	27.6	20.2	12.1	1.3	2.1
01:00	69.8	67.5	12.8	54.4	29.2	14.3	8.8	1.1	1.8
02:00	42.4	65.4	12.0	52.5	23.3	9.7	5.7	1.0	2.1
03:00	62.1	73.8	40.9 +	59.9	48.8	32.3	16.4	.3	1.1
04:00	49.6	62.9	5.3	49.8	41.4	12.7	8.4	.5	1.7
05:00	52.2	65.9	5.8	52.7	40.0	15.2	10.5	.8	1.7
06:00	41.9	64.9	313.6	49.6	36.0	36.1	16.6	.4	1.0
07:00	30.9	52.3	344.5	36.2	49.9	33.4	16.7	.3	1.3
08:00	18.3	45.3	358.6	24.6	76.2	45.7	20.0	.4	1.3
09:00	33.4	46.3	37.2	21.6	34.5	27.5	36.3	.8	1.2
10:00	232.3	229.9	233.7	224.4	21.8	16.2	19.0	4.2	6.7
11:00	234.6	226.2	237.7	221.3	27.3	16.6	8.5	1.5	2.9
12:00	110.6	110.2	98.2	95.5	48.6	44.1	35.5	1.3	1.5
13:00	160.1	155.1	165.5	148.2	40.8	34.8	29.8	2.0	2.4
14:00	136.1	136.1	139.2	130.1	39.9	29.4	26.6	2.3	2.8
15:00	49.2	47.0	47.8	30.0	48.7	47.2	51.2	1.2	1.7
16:00	161.8	150.7	176.3 +	142.8	45.1	43.9	37.8	1.2	1.2
17:00	120.3	118.1	124.0	107.0	32.7	33.0	31.1	1.6	1.7
18:00	274.1	270.1	273.6	261.9	26.8	24.7	31.9	1.8	3.1
19:00	240.2	244.2	228.3	238.7	22.8	22.0	21.9	1.4	2.3
20:00	250.5	245.6	267.6	239.2	19.0	14.1	8.9	1.2	2.7
21:00	241.5	217.8	278.9	216.8	61.4	31.3	20.8	.5	1.0
22:00	236.8	216.1	247.8	213.1	22.4	14.0	15.2	1.4	2.0
23:00	248.3	258.8	234.5	251.9	21.7	15.8	7.3	1.6	2.7
Avg	82.0	103.0	330.0	81.0	36.9	26.4	20.7	.0	.0
Max	274.1	270.1	358.6	261.9	76.2	47.2	51.2	4.2	6.7
Hr. of Max	18	18	08	18	08	15	15	10	10
Min	18.3	39.4	5.3	21.6	19.0	9.7	5.7	.3	1.0
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)

8/18/2016

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	2.6	1.5	2.3	2.7	1.7	3.0	.0	1.5	-.02
01:00	2.4	1.2	1.9	2.5	1.3	2.7	.2	.5	-.01
02:00	2.7	1.0	2.1	2.8	1.2	3.0	.5	1.0	-.02
03:00	2.0	.9	1.3	2.2	1.2	2.4	3.1	1.6	.06
04:00	2.5	.6	1.8	2.6	.8	2.8	1.2	.4	.01
05:00	2.5	.9	1.8	2.5	1.2	2.7	1.0	1.0	.01
06:00	1.9	1.0	1.3	2.1	1.3	2.4	-.9	.3	-.05
07:00	2.0	.9	1.4	2.1	1.2	2.4	.9	1.2	.01
08:00	1.8	.7	1.5	1.9	1.1	2.2	2.5	7.6	.01
09:00	1.5	1.3	1.8	1.7	1.7	2.1	-.1	2.4	-.02
10:00	8.2	4.7	7.1	8.6	5.2	9.1	.2	-.1	-.21
11:00	4.3	1.8	3.1	4.4	2.2	4.7	-1.3	-.8	-.10
12:00	1.6	1.6	2.0	2.5	2.1	2.8	.2	2.1	.02
13:00	2.7	2.7	3.2	3.5	3.3	3.8	4.7	.1	.18
14:00	3.0	2.8	3.2	3.3	3.5	3.8	2.0	-1.1	.04
15:00	1.5	2.5	2.9	2.7	3.1	3.3	.5	5.3	-.01
16:00	1.2	1.8	1.9	2.2	2.4	2.8	5.4	-3.7	.25
17:00	1.6	2.6	2.7	2.5	3.0	3.1	2.7	4.3	.14
18:00	4.6	1.9	3.3	4.8	2.2	4.9	.7	-.3	-.05
19:00	3.0	1.5	2.6	3.5	2.0	3.7	.8	.0	-.01
20:00	3.8	1.5	2.9	3.9	1.7	4.1	-2.1	-.2	-.08
21:00	2.0	.6	1.0	2.1	.8	2.3	1.4	-.6	.00
22:00	2.7	1.5	2.0	2.8	1.9	3.0	.2	-.5	-.04
23:00	4.4	1.7	2.8	4.5	2.1	4.6	.4	1.3	.00
Avg	.0	1.6	2.4	3.1	2.0	3.4	1.0	1.0	.00
Max	8.2	4.7	7.1	8.6	5.2	9.1	5.4	7.6	.25
Hr. of Max	10	10	10	10	10	10	16	08	16
Min	1.2	.6	1.0	1.7	.8	2.1	-2.1	-3.7	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/18/2016

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	.07	3.4	5.0	5.5	11.8	5.5	24.6	24.6
01:00	.02	3.9	3.4	3.7	8.7	3.9	24.2	24.3
02:00	.04	3.0	3.7	4.6	9.1	4.3	23.9	24.0
03:00	.06	3.4	6.2	7.6	9.5	8.5	23.7	23.7
04:00	.01	2.7	3.7	3.7	9.7	4.3	23.3	23.5
05:00	.04	2.5	3.9	3.9	8.4	4.7	23.2	23.2
06:00	.01	3.0	4.6	5.0	10.0	8.9	23.2	23.1
07:00	.04	2.3	5.5	6.4	11.7	10.3	23.4	23.3
08:00	.26	4.4	5.5	5.3	24.8	17.2	24.4	23.8
09:00	.05	5.5	7.6	5.7	21.9	18.9	25.1	24.5
10:00	-.18	20.2	26.6	26.1	13.6	8.7	23.2	22.7 R
11:00	-.07	6.6	7.1	9.2	13.1	4.8	22.2	21.7 R
12:00	.11	4.6	6.4	6.6	16.8	15.9	22.7	22.1
13:00	-.06	7.3	8.0	8.0	20.8	19.9	24.2	23.4
14:00	-.24	7.8	11.4	7.8	23.6	26.1	25.6	24.8
15:00	.28	7.1	7.8	7.3	25.7	27.5	27.1	26.4
16:00	-.25	6.2	7.1	6.0	30.0	31.3	28.2	27.4
17:00	.38	7.6	7.1	6.4	19.2	25.9	28.8	28.1
18:00	-.11	6.0	8.2	9.4	13.3	7.6	27.5	27.5
19:00	-.02	4.8	7.6	8.9	14.5	7.9	26.8	26.3
20:00	-.01	3.0	6.0	7.3	8.6	3.7	25.9	26.0
21:00	-.04	2.3	5.5	7.6	11.4	4.1	25.3	25.5
22:00	-.04	3.9	4.4	5.5	7.5	3.1	24.9	25.0
23:00	.12	4.1	6.0	9.2	8.4	4.0	24.6	25.0
Avg	.02	5.2	7.0	7.4	14.7	11.5	24.8	24.6
Max	.38	20.2	26.6	26.1	30.0	31.3	28.8	28.1
Hr. of Max	17	10	10	10	16	16	17	17
Min	-.25	2.3	3.4	3.7	7.5	3.1	22.2	21.7
Count	24	24	24	24	24	24	24	24
Total								