Date Printed: 07/27/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2016

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	24.7	25.9	26.4	26.7	1.25	1.71	1.99	.46	.75
01:00	23.9	24.9	25.7	26.6	.93	1.79	2.64	.86	1.71
02:00	23.7	24.1	24.7	25.5	.39	1.02	1.83	.63	1.44
03:00	23.2	23.7	24.2	24.7	.51	1.01	1.53	.51	1.02
04:00	22.9	23.5	24.1	24.6	.60	1.25	1.71	.65	1.11
05:00	22.6	23.5	23.9	24.4	.87	1.26	1.75	.39	.88
06:00	22.5	23.1	23.5	23.9	.65	1.06	1.44	.41	.79
07:00	23.0	23.3	23.7	24.0	.36	.68	1.01	.33	.65
08:00	25.5	25.2	25.0	24.8	-.31	-.53	-.67	-.22	-.35
09:00	26.5	26.1	25.8	25.7	-.46	-.75	-.84	-.28	-.38
10:00	26.5	26.1	25.8	25.7	-.45	-.70	-.77	-.25	-.32
11:00	27.6	27.0	26.7	26.6	-.66	-.95	-1.01	-.30	-.36
12:00	29.1	28.3	27.9	27.8	-.88	-1.20	-1.31	-.32	-.43
13:00	31.7	30.3	29.9	29.8	-1.38	-1.73	-1.90	-.35	-.52
14:00	33.1	31.7	31.3	31.3	-1.47	-1.79	-1.88	-.32	-.41
15:00	33.8	32.4	32.0	31.9	-1.39	-1.74	-1.86	-.35	-.47
16:00	34.4	33.3	32.9	32.8	-1.17	-1.54	-1.63	-.38	-.46
17:00	34.0	33.0	32.6	32.4	-.98	-1.38	-1.60	-.40	-.62
18:00	33.3	32.4	32.1	32.0	-.87	-1.16	-1.27	-.29	-.40
19:00	30.6	31.6	31.9	32.0	.99	1.23	1.39	.23	.40
20:00	29.7	30.0	30.3	30.5	.34	.59	.75	.25	.41
21:00	27.8	27.9	27.8	27.8	.12	.04	.05	-.08	-.07
22:00	26.2	26.6	27.1	27.5	.39	.91	1.22	.52	.83
23:00	25.7	25.8	26.0	26.3	.14	.32	.57	.18	.43
Avg	27.6	27.5	27.6	27.7	-.10	-.03	.13	.08	.23
Max	34.4	33.3	32.9	32.8	1.25	1.79	2.64	.86	1.71
Hr. of Max	16	16	16	16	00	01	01	01	01
Min	22.5	23.1	23.5	23.9	-1.47	-1.79	-1.90	-.40	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2016

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	22.3	22.7	23.1	29.5	89.3	85.1	19.7	20.1	0.017551
01:00	22.1	22.6	22.7	29.3	92.1	89.5	19.5	20.0	0.017336
02:00	22.0	22.4	22.5	29.0	92.7	93.3	19.3	19.9	0.017161
03:00	21.7	22.4	22.2	28.8	93.7	94.8	19.0	19.8	0.016847
04:00	21.5	22.3	22.0	28.6	94.6	95.5	18.9	19.7	0.016696
05:00	21.3	22.1	21.7	28.4	94.7	94.7	18.6	19.5	0.016438
06:00	21.1	21.9	21.6	28.2	94.6	95.3	18.4	19.3	0.016257
07:00	21.4	21.6	22.0	28.0	93.5	92.3	18.8	18.9	0.016581
08:00	21.7	21.1	23.0	27.8	82.0	80.3	18.9	18.2	0.016878
09:00	21.9	21.6	23.4	27.7	77.8	78.5	19.0	18.7	0.017047
10:00	22.1	22.0	23.6	27.7	79.1	80.5	19.3	19.2	0.017326
11:00	22.1	21.7	23.9	27.7	74.0	75.2	19.2	18.9	0.017281
12:00	21.7	21.2	24.2	27.9	66.3	67.5	18.7	18.2	0.016902
13:00	21.9	21.4	25.1	28.2	58.1	60.9	18.8	18.3	0.017149
14:00	21.1	20.7	25.1	28.7	51.0	54.0	17.9	17.5	0.016389
15:00	20.5	20.0	24.9	29.2	47.4	49.8	17.2	16.8	0.01579
16:00	20.1	19.7	24.9	29.5	44.8	46.5	16.8	16.4	0.015469
17:00	20.2	20.0	24.8	29.9	46.4	48.2	17.0	16.8	0.015597
18:00	20.8	20.9	25.0	30.1	49.6	52.2	17.6	17.7	0.016119
19:00	22.0	21.0	24.9	30.2	62.0	55.3	19.0	17.9	0.017297
20:00	21.9	21.2	24.5	30.2	64.9	61.0	18.9	18.1	0.017181
21:00	21.1	20.9	23.3	30.1	69.2	67.7	18.1	17.9	0.01631
22:00	21.5	21.2	23.1	30.0	77.5	74.1	18.7	18.2	0.016704
23:00	21.9	21.8	23.1	29.8	81.7	80.5	19.1	19.0	0.017066
Avg	21.5	21.4	23.5	28.9	74.0	73.9	18.6	18.5	0.016724
Max	22.3	22.7	25.1	30.2	94.7	95.5	19.7	20.1	0.017551
Hr. of Max	00	00	14	20	05	04	00	00	00
Min	20.1	19.7	21.6	27.7	44.8	46.5	16.8	16.4	0.015469
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2016

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	0.018003	27.1	27.7	.00	29.12	986.0	-2.8	.00	304.0
01:00	0.017818	26.7	27.5	.00	29.11	985.8	-1.7	.00	269.9
02:00	0.017674	26.5	27.2	.00	29.11	985.9	-2.2	.00	234.8
03:00	0.017581	26.0	27.1	.00	29.12	986.1	-2.7	.00	261.4
04:00	0.01747	25.8	26.9	.00	29.12	986.3	-1.7	.00	297.5
05:00	0.017338	25.4	26.8	.00	29.13	986.5	-2.7	.00	340.5
06:00	0.01705	25.1	26.3	.00	29.14	986.7	1.7	.00	307.7
07:00	0.016721	25.6	25.8	.00	29.15	987.3	62.4	.09	257.0
08:00	0.016226	26.1	25.1	.00	29.16	987.4	326.5	.47	190.4
09:00	0.01673	26.3	25.9	.00	29.16	987.4	235.1	.34	207.7
10:00	0.017165	26.8	26.5	.00	29.16	987.4	194.8	.28	243.7
11:00	0.016898	26.7	26.1	.00	29.16	987.4	437.5	.63	228.3
12:00	0.016352	26.1	25.3	.00	29.15	987.1	697.8	1.00	174.7
13:00	0.01662	26.5	25.7	.00	29.13	986.4	993.9	1.42	236.6
14:00	0.015947	25.3	24.6	.00	29.11	985.8	911.0	1.31	237.3
15:00	0.01533	24.4	23.7	.00	29.09	985.1	850.3	1.22	262.7
16:00	0.015034	23.9	23.2	.00	29.07	984.5	717.4	1.03	260.3
17:00	0.015332	24.1	23.7	.00	29.06	984.0	456.0	.65	291.7
18:00	0.016154	24.8	24.9	.00	29.05	983.7	326.9	.47	321.6
19:00	0.016328	26.6	25.2	.00	29.06	984.0	120.8	.17	321.6
20:00	0.016437	26.5	25.4	.00	29.08	984.7	51.6	.07	222.3
21:00	0.016092	25.2	24.8	.00	29.09	985.2	-1.9	.00	162.6
22:00	0.016349	25.8	25.2	.00	29.11	985.8	-2.5	.00	255.5
23:00	0.016955	26.3	26.2	.00	29.12	986.2	-2.2	.00	260.8
Avg	0.01665	25.8	25.7	.00	29.12	985.9	265.1	.38	257.0
Max	0.018003	27.1	27.7	.00	29.16	987.4	993.9	1.42	340.5
Hr. of Max	00	00	00	23	11	11	13	13	05
Min	0.015034	23.9	23.2	.00	29.05	983.7	-2.8	.00	162.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2016

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	96.2	104.6	299.9	96.5	56.4	42.9	15.9	.8	1.1
01:00	313.2	54.2	270.1	1.6	38.8	59.5	18.2	.9	.7
02:00	240.8	269.6	239.3	262.2	18.3	16.8	29.0	2.5	2.7
03:00	229.9	224.8	263.6 +	223.1	45.4	41.0	23.2	1.3	1.9
04:00	340.2	151.5	290.7	194.5	35.7	38.9	25.8	.6	.2
05:00	84.8	118.5	334.4	143.4	37.0	28.9	16.8	.6	.5
06:00	59.6	145.0	302.4	145.4	22.5	34.2	16.9	.8	.1
07:00	238.2	178.6	257.5	176.5	19.5	11.8	8.2	1.2	2.3
08:00	195.0	169.3	201.6	168.3	42.6	45.8	29.0	1.1	1.5
09:00	209.4	204.0	213.5	199.2	19.0	14.7	12.9	2.9	3.7
10:00	248.5	242.3	247.9	237.0	21.3	16.7	12.6	2.3	3.2
11:00	240.3	230.9	231.1	231.0	47.0	42.0	31.3	1.8	2.4
12:00	195.2	196.3	178.9	194.7	32.8	34.5	31.3	2.1	2.2
13:00	244.0	236.0	239.8	230.4	59.0	53.6	53.0	1.8	1.9
14:00	247.8	246.7	243.9	241.0	34.3	29.7	26.6	3.1	3.7
15:00	266.4	265.9	265.9	258.8	29.7	22.9	20.1	3.2	4.1
16:00	270.7	267.0	260.8	257.6	55.0	40.7	40.1	1.9	2.7
17:00	302.3	302.5	292.2	291.6	40.0	26.3	20.0	2.8	4.1
18:00	335.1	337.1	321.6	322.1	23.4	15.5	11.4	2.8	3.9
19:00	334.1	336.6	321.1	321.5	11.9	8.5	6.3	2.3	4.0
20:00	230.7	200.3	228.1	220.4	42.0	34.7	27.8	1.8	1.8
21:00	143.4	132.7	175.5	126.3	67.6	45.5	29.7	1.3	2.1
22:00	239.9	182.5	256.8	190.5	41.1	55.9	37.7	1.9	1.6
23:00	260.4	241.5	261.2	236.4	29.7	16.3	12.0	1.8	3.7
Avg	250.0	213.0	258.0	219.0	36.3	32.4	23.2	.0	.0
Max	340.2	337.1	334.4	322.1	67.6	59.5	53.0	3.2	4.1
Hr. of Max	04	18	05	18	21	01	13	15	17
Min	59.6	54.2	175.5	1.6	11.9	8.5	6.3	.6	.1
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)

7/26/2016

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	2.5	1.6	1.4	2.7	1.8	3.0	-.2	-1.2	-.03
01:00	1.1	1.2	.9	1.3	1.5	1.8	1.5	1.8	.03
02:00	3.0	2.6	3.0	3.2	3.0	3.3	.1	1.5	-.04
03:00	2.3	1.7	2.1	2.6	2.0	2.9	.0	.4	-.03
04:00	1.0	.9	.8	1.3	1.2	1.6	1.2	-.5	.01
05:00	.6	.8	.6	.6	1.0	1.1	.7	-.9	.01
06:00	1.1	1.0	.7	1.5	1.2	1.8	1.7	-.1	.03
07:00	3.0	1.3	2.3	3.1	1.6	3.2	-.9	-1.4	-.06
08:00	2.0	1.4	1.7	2.2	2.0	2.5	1.3	.0	.08
09:00	4.1	3.3	4.1	4.4	3.7	4.6	-.3	-4.7	-.12
10:00	3.6	2.5	3.3	3.7	3.1	4.1	-2.2	-2.9	-.18
11:00	2.8	2.4	2.8	3.0	2.9	3.5	.1	-6.0	-.10
12:00	2.4	2.4	2.6	2.8	2.9	3.3	1.7	-4.7	.07
13:00	2.0	2.4	2.5	2.6	3.3	3.4	1.2	5.3	.02
14:00	4.1	3.7	4.2	4.6	4.1	5.2	-2.7	-6.3	-.26
15:00	4.5	4.1	4.9	5.2	4.4	5.6	-4.0	-7.1	-.39
16:00	2.9	2.9	3.4	3.5	3.4	4.1	-1.4	7.2	-.18
17:00	4.9	3.4	4.6	5.3	3.9	5.7	-.9	-4.2	-.26
18:00	4.4	3.0	4.0	4.6	3.3	4.9	-6.8	-5.7	-.52
19:00	4.9	2.4	4.1	4.9	2.7	5.2	-2.6	-.4	-.14
20:00	1.3	3.2	4.7	6.1	3.6	6.5	1.8	1.8	-.07
21:00	2.8	2.1	2.8	3.3	2.5	3.7	2.7	2.0	.09
22:00	1.4	2.1	1.9	2.0	2.4	2.4	-1.6	.1	-.08
23:00	4.8	2.2	4.0	5.1	2.5	5.4	-1.4	-.5	-.09
Avg	.0	2.3	2.8	3.3	2.7	3.7	-.5	-1.1	-.09
Max	4.9	4.1	4.9	6.1	4.4	6.5	2.7	7.2	.09
Hr. of Max	19	15	15	20	15	20	21	16	21
Min	.6	.8	.6	.6	1.0	1.1	-6.8	-7.1	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/26/2016

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	-.08	6.6	8.9	10.3	10.2	14.2	27.7	28.2
01:00	.12	3.0	4.4	4.4	7.0	8.4	26.7	28.1
02:00	.08	6.2	7.3	6.0	8.1	5.9	25.9	27.1
03:00	.00	6.4	5.7	5.7	8.2	5.6	25.5	26.3
04:00	-.02	4.8	3.0	5.7	9.5	14.1	25.3	26.1
05:00	-.01	2.5	2.7	1.8	6.9	8.9	25.2	25.8
06:00	.00	2.5	2.3	3.9	7.1	6.9	24.8	25.4
07:00	-.07	3.4	4.8	6.4	9.0	4.6	25.1	25.4
08:00	.06	5.5	6.0	6.4	23.9	22.5	26.9	26.2
09:00	-.39	7.6	8.7	9.6	15.7	10.8	27.7	27.0
10:00	-.23	6.9	8.5	9.2	15.7	11.8	27.8	27.1
11:00	-.47	6.2	7.3	6.9	24.7	22.9	28.7	27.9
12:00	-.26	6.6	6.2	7.6	26.6	26.6	29.8	29.0
13:00	.16	7.3	7.3	6.9	27.9	33.1	31.7	30.9
14:00	-.59	8.9	10.1	9.4	22.1	21.0	32.9	32.0
15:00	-.70	10.1	11.9	18.1	20.2	16.7	33.6	32.6
16:00	.42	8.9	8.0	8.9	23.5	26.7	34.4	33.5
17:00	-.58	9.4	11.0	15.3	25.7	18.3	34.3	33.2
18:00	-.47	9.2	6.9	13.3	18.0	8.0	33.9	33.1
19:00	-.03	4.6	6.4	6.9	7.6	2.8	33.0	33.0
20:00	-.04	15.3	17.2	18.5	19.1	15.0	31.5	31.5
21:00	-.04	8.2	8.7	9.2	18.9	17.5	29.4	29.0
22:00	-.04	6.2	7.3	7.1	8.1	12.0	28.2	28.7
23:00	-.01	7.1	8.5	9.8	11.7	8.6	27.5	27.7
Avg	-.13	6.8	7.5	8.6	15.6	14.3	29.1	29.0
Max	.42	15.3	17.2	18.5	27.9	33.1	34.4	33.5
Hr. of Max	16	20	20	20	13	13	16	16
Min	-.70	2.5	2.3	1.8	6.9	2.8	24.8	25.4
Count	24	24	24	24	24	24	24	24
Total								