Date Printed: 07/12/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2016

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	21.3	22.7	22.9	24.0	1.40	1.62	2.67	.21	1.27
01:00	20.5	21.6	22.1	23.0	1.03	1.57	2.53	.54	1.50
02:00	20.1	20.8	21.3	21.8	.73	1.16	1.66	.43	.93
03:00	20.0	20.8	21.1	21.4	.80	1.12	1.45	.32	.65
04:00	20.3	21.0	21.2	21.5	.69	.83	1.19	.13	.50
05:00	20.2	20.9	21.2	21.4	.67	.97	1.22	.30	.54
06:00	20.0	20.8	20.9	21.2	.74	.90	1.17	.16	.43
07:00	20.9	20.9	21.2	21.5	-.01	.28	.57	.29	.58
08:00	22.0	21.8	21.8	22.0	-.22	-.19	-.02	.02	.20
09:00	22.7	22.4	22.2	22.2	-.30	-.51	-.54	-.21	-.24
10:00	24.3	23.7	23.5	23.4	-.59	-.84	-.94	-.26	-.35
11:00	25.0	24.4	24.1	24.1	-.63	-.93	-1.00	-.30	-.37
12:00	26.3	25.5	25.2	25.0	-.79	-1.11	-1.22	-.32	-.43
13:00	27.7	26.8	26.4	26.3	-.95	-1.26	-1.37	-.32	-.43
14:00	28.8	27.7	27.4	27.4	-1.03	-1.34	-1.39	-.30	-.35
15:00	30.0	28.8	28.5	28.3	-1.22	-1.56	-1.67	-.35	-.45
16:00	30.3	29.3	28.9	28.8	-1.06	-1.42	-1.52	-.36	-.46
17:00	30.6	29.8	29.5	29.3	-.86	-1.15	-1.31	-.29	-.45
18:00	30.5	29.8	29.6	29.5	-.75	-.96	-.98	-.21	-.23
19:00	28.2	29.2	29.4	29.4	1.02	1.22	1.23	.20	.21
20:00	26.0	27.4	28.4	28.7	1.40	2.35	2.64	.94	1.24
21:00	24.6	26.2	26.8	27.0	1.64	2.23	2.40	.59	.76
22:00	23.4	24.9	25.4	25.6	1.44	1.96	2.18	.52	.74
23:00	22.9	24.1	24.5	25.0	1.23	1.60	2.08	.37	.85
Avg	24.4	24.6	24.7	24.9	.18	.27	.46	.09	.28
Max	30.6	29.8	29.6	29.5	1.64	2.35	2.67	.94	1.50
Hr. of Max	17	18	18	18	21	20	00	20	01
Min	20.0	20.8	20.9	21.2	-1.22	-1.56	-1.67	-.36	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2016

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	19.3	19.4	19.9	27.0	90.4	84.0	16.5	16.6	0.014465
01:00	18.8	19.4	19.4	26.8	92.1	89.5	16.1	16.6	0.014058
02:00	18.7	19.5	19.1	26.5	93.5	94.0	15.9	16.7	0.013908
03:00	18.7	19.6	19.1	26.3	94.5	95.3	16.0	16.9	0.013935
04:00	19.2	19.8	19.6	26.1	95.2	95.0	16.5	17.1	0.014385
05:00	19.0	19.6	19.4	25.8	94.9	95.0	16.3	16.9	0.014193
06:00	18.9	19.7	19.3	25.6	95.4	95.6	16.2	16.9	0.014116
07:00	19.5	19.5	20.0	25.5	93.7	94.0	16.7	16.8	0.014649
08:00	19.7	19.5	20.5	25.3	89.1	89.1	16.9	16.7	0.014877
09:00	19.7	19.5	20.7	25.2	85.2	85.4	16.9	16.6	0.014835
10:00	19.6	19.3	21.2	25.2	77.1	77.9	16.7	16.4	0.0148
11:00	19.4	18.9	21.3	25.3	72.6	73.2	16.4	16.0	0.01454
12:00	19.9	19.3	22.0	25.5	69.9	70.7	16.9	16.4	0.015055
13:00	20.0	19.4	22.6	25.7	64.9	66.0	17.0	16.4	0.01522
14:00	19.5	18.9	22.6	26.1	58.9	60.4	16.4	15.9	0.014723
15:00	19.2	18.7	22.8	26.5	54.1	55.9	16.1	15.6	0.014531
16:00	18.8	18.2	22.6	26.8	51.6	52.8	15.6	15.1	0.014116
17:00	18.7	18.0	22.7	27.2	50.4	50.6	15.5	14.9	0.014042
18:00	18.9	18.2	22.8	27.5	51.6	51.5	15.8	15.1	0.014285
19:00	20.5	18.9	23.0	27.7	65.2	55.6	17.4	15.8	0.015693
20:00	21.2	20.2	22.8	27.8	77.0	66.7	18.3	17.2	0.016383
21:00	20.9	20.7	22.1	27.7	82.2	73.7	18.1	17.8	0.016082
22:00	20.5	20.7	21.5	27.6	85.9	79.9	17.7	17.9	0.015665
23:00	20.6	20.8	21.4	27.4	89.0	83.9	17.8	18.0	0.015724
Avg	19.6	19.4	21.2	26.4	78.1	76.5	16.7	16.5	0.014762
Max	21.2	20.8	23.0	27.8	95.4	95.6	18.3	18.0	0.016383
Hr. of Max	20	23	19	20	06	06	20	23	20
Min	18.7	18.0	19.1	25.2	50.4	50.6	15.5	14.9	0.013908
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2016

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	0.014636	22.4	22.7	.00	29.13	986.5	-1.6	.00	40.6
01:00	0.014551	21.8	22.6	.00	29.13	986.6	-2.8	.00	285.7
02:00	0.014633	21.6	22.7	.00	29.13	986.4	-2.1	.00	303.4
03:00	0.014763	21.6	22.9	.00	29.12	986.0	-1.5	.00	13.0
04:00	0.014972	22.3	23.2	.00	29.11	985.8	-2.2	.00	56.2
05:00	0.014797	22.0	22.9	.00	29.13	986.5	-2.8	.00	16.2
06:00	0.014812	21.9	23.0	.00	29.14	986.9	7.2	.01	21.7
07:00	0.014683	22.7	22.8	.00	29.15	987.3	62.9	.09	254.6
08:00	0.014683	23.1	22.8	.00	29.17	987.8	78.8	.11	257.2
09:00	0.014621	23.0	22.7	.00	29.18	988.3	187.0	.27	207.2
10:00	0.014436	23.0	22.4	.00	29.19	988.6	388.2	.56	232.4
11:00	0.01413	22.6	22.0	.00	29.20	988.8	425.5	.61	227.2
12:00	0.014536	23.4	22.6	.00	29.20	988.8	562.1	.81	220.6
13:00	0.014636	23.6	22.7	.00	29.18	988.3	852.6	1.22	209.3
14:00	0.014217	22.8	22.1	.00	29.17	987.7	757.4	1.09	238.3
15:00	0.013995	22.5	21.7	.00	29.15	987.1	889.6	1.28	248.6
16:00	0.013592	21.9	21.1	.00	29.13	986.4	511.2	.73	271.1
17:00	0.013428	21.8	20.8	.00	29.12	986.1	512.6	.73	243.5
18:00	0.013647	22.1	21.2	.00	29.11	985.9	339.7	.49	294.1
19:00	0.014233	24.3	22.1	.00	29.11	985.9	197.5	.28	319.4
20:00	0.015393	25.3	23.8	.00	29.13	986.3	27.4	.04	335.9
21:00	0.015884	24.9	24.6	.00	29.12	986.3	-1.6	.00	349.2
22:00	0.015893	24.2	24.6	.00	29.13	986.6	-2.2	.00	329.3
23:00	0.015954	24.3	24.7	.00	29.13	986.5	-2.1	.00	308.4
Avg	0.01463	22.9	22.7	.00	29.14	987.0	240.9	.35	288.0
Max	0.015954	25.3	24.7	.00	29.20	988.8	889.6	1.28	349.2
Hr. of Max	23	20	23	23	12	12	15	15	21
Min	0.013428	21.6	20.8	.00	29.11	985.8	-2.8	.00	13.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2016

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	70.0	59.0	43.3	45.1	13.1	11.1	4.5	1.5	2.3
01:00	213.7	142.7	284.8	179.4	46.2	38.9	22.9	1.3	.8
02:00	34.0	164.8	302.1	224.7	21.3	38.0	12.2	.8	.4
03:00	69.1	102.6	10.0	67.8	63.1	50.7	34.8	.6	.6
04:00	65.1	61.8	58.2	48.7	19.7	11.2	5.8	1.6	2.8
05:00	70.5	92.7	240.2	69.6	47.6	53.1	31.3	.2	.8
06:00	73.8	83.0	16.7	66.6	43.0	24.1	13.7	.7	1.3
07:00	239.7	189.4	256.5	195.1	13.2	14.6	19.0	1.2	1.2
08:00	250.1	237.9	260.0	233.9	20.9	13.7	11.2	1.4	2.1
09:00	224.4	224.7	212.8	222.9	27.9	19.3	13.9	1.5	2.2
10:00	241.7	236.3	239.5	231.2	36.1	28.4	19.7	3.4	4.1
11:00	241.0	240.1	233.6	235.1	29.8	25.1	19.6	3.3	4.4
12:00	235.3	227.7	227.3	224.8	38.6	34.6	27.7	2.4	2.8
13:00	215.2	210.4	212.3	208.1	49.9	44.6	46.7	2.8	3.3
14:00	249.2	254.8	241.4	250.1	56.2	47.9	38.9	2.4	3.0
15:00	248.2	238.5	247.7	233.6	52.7	43.4	41.8	2.4	3.3
16:00	276.0	268.7	275.9	261.2	34.5	28.6	27.6	2.3	2.9
17:00	251.3	245.7	248.8	242.6	52.7	46.9	40.4	1.8	2.2
18:00	288.4	273.3	295.8	270.4	29.9	20.1	24.7	1.8	2.5
19:00	323.0	301.4	316.8	295.2	19.7	17.0	45.4	1.0	1.1
20:00	33.5	67.0	335.2	40.6	27.3	16.9	30.8	1.0	1.9
21:00	60.1	76.5	346.9	59.5	28.5	12.0	7.2	.9	1.9
22:00	51.2	79.2	330.6	59.6	34.3	11.4	9.6	.5	1.1
23:00	122.3	89.8	302.5	56.4	38.9	28.9	48.7	.5	.5
Avg	260.0	187.0	282.0	227.0	35.2	28.4	24.9	.0	.0
Max	323.0	301.4	346.9	295.2	63.1	53.1	48.7	3.4	4.4
Hr. of Max	19	19	21	19	03	05	23	10	11
Min	33.5	59.0	10.0	40.6	13.1	11.1	4.5	.2	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2016

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	3.9	1.5	2.4	4.0	1.6	4.2	2.0	1.2	.05
01:00	.5	1.7	2.3	1.8	2.0	2.2	1.6	.8	.02
02:00	.8	1.2	1.4	.9	1.5	1.2	1.8	-.7	.04
03:00	.7	1.5	1.7	1.7	1.7	2.0	.6	-.5	-.04
04:00	4.4	1.7	3.0	4.4	1.9	4.6	-3.0	-.5	-.13
05:00	2.0	1.2	1.6	2.3	1.5	2.7	1.6	3.2	.02
06:00	1.8	1.0	1.5	2.0	1.3	2.2	1.5	.2	.01
07:00	1.7	1.3	1.2	1.9	1.6	2.1	.9	.0	.00
08:00	3.0	1.5	2.3	3.5	1.7	3.6	.7	.1	-.04
09:00	3.0	1.8	2.3	3.1	2.2	3.4	1.7	-2.0	.00
10:00	4.9	3.7	4.4	5.2	4.1	5.6	-1.4	-1.5	-.25
11:00	4.9	3.7	4.7	5.1	4.3	5.6	-.9	-.5	-.21
12:00	3.4	3.0	3.3	3.8	3.5	4.4	3.6	7.0	.13
13:00	3.7	3.4	3.9	4.2	4.0	4.8	-2.8	-1.2	-.23
14:00	3.4	3.6	4.1	4.6	4.2	5.2	-2.1	-7.9	-.30
15:00	3.6	3.4	4.1	4.3	3.9	4.9	.5	3.2	-.06
16:00	3.1	3.3	4.0	4.2	3.6	4.6	1.7	-1.9	-.06
17:00	2.6	2.7	3.0	3.2	3.1	3.7	-4.1	-8.0	-.25
18:00	2.5	2.0	2.6	2.7	2.4	3.0	-2.4	-4.9	-.21
19:00	1.0	1.1	1.1	1.2	1.3	1.5	.9	-4.2	-.01
20:00	2.1	1.1	2.0	2.3	1.3	2.6	.0	1.4	.00
21:00	2.4	1.1	1.9	2.4	1.3	2.6	1.6	.0	.04
22:00	1.8	.8	1.1	1.9	.9	2.1	.5	-.9	.01
23:00	.7	1.1	1.1	1.3	1.4	1.7	1.8	.4	.03
Avg	.0	2.0	2.5	3.0	2.3	3.4	.3	-.7	-.06
Max	4.9	3.7	4.7	5.2	4.3	5.6	3.6	7.0	.13
Hr. of Max	11	11	11	10	11	11	12	12	12
Min	.5	.8	1.1	.9	.9	1.2	-4.1	-8.0	-.30
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/11/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.09	2.5	4.1	5.5	7.9	2.9	24.1	25.2
01:00	.06	4.6	5.5	5.5	9.3	7.6	22.9	24.2
02:00	.00	3.4	3.9	3.2	7.8	7.6	22.3	23.0
03:00	-.03	3.9	3.9	3.4	10.2	8.6	22.2	22.6
04:00	-.05	4.8	6.9	6.6	9.3	2.9	22.5	22.8
05:00	.11	4.8	5.5	11.0	13.2	13.4	22.3	22.6
06:00	.02	2.5	4.4	3.2	7.5	4.9	22.2	22.4
07:00	-.02	2.7	3.2	4.1	7.4	5.4	22.4	22.7
08:00	.00	4.4	5.3	6.2	14.8	5.2	23.3	23.1
09:00	-.14	5.7	7.3	6.6	18.5	10.7	23.9	23.2
10:00	-.35	9.8	10.1	11.4	19.9	17.4	25.1	24.3
11:00	-.15	8.9	8.7	10.3	17.3	14.3	25.7	24.9
12:00	.40	8.5	9.2	10.3	24.3	23.9	26.8	26.0
13:00	-.20	10.8	12.6	11.0	24.0	24.8	28.0	27.2
14:00	-.71	10.5	11.9	11.0	21.9	22.2	29.0	28.2
15:00	.00	11.0	11.0	12.4	26.3	26.5	29.9	29.0
16:00	-.24	10.8	10.3	9.8	24.3	19.1	30.4	29.5
17:00	-.51	8.0	9.2	8.0	22.9	24.5	30.8	30.0
18:00	-.34	8.2	8.7	7.3	21.2	19.4	31.0	30.2
19:00	-.12	2.3	3.2	3.4	13.4	14.9	30.5	30.3
20:00	.03	2.7	3.4	3.4	9.1	5.8	28.8	29.7
21:00	.01	2.7	3.4	3.9	7.7	3.4	27.7	28.3
22:00	-.01	2.1	2.5	4.4	8.4	5.5	26.4	26.9
23:00	.02	2.7	4.1	4.4	6.5	4.8	25.7	26.3
Avg	-.09	5.8	6.6	6.9	14.7	12.3	26.0	25.9
Max	.40	11.0	12.6	12.4	26.3	26.5	31.0	30.3
Hr. of Max	12	15	13	15	15	15	18	19
Min	-.71	2.1	2.5	3.2	6.5	2.9	22.2	22.4
Count	24	24	24	24	24	24	24	24
Total								