Date Printed: 06/02/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2016

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	19.1	20.7	21.5	22.3	1.62	2.42	3.20	.80	1.58
01:00	18.6	20.3	21.0	22.3	1.78	2.41	3.78	.63	2.00
02:00	18.2	19.9	20.1	20.7	1.72	1.96	2.58	.24	.86
03:00	18.1	19.5	19.8	20.4	1.36	1.67	2.26	.31	.90
04:00	17.5	18.8	19.3	19.8	1.36	1.82	2.36	.46	1.00
05:00	17.6	18.6	18.8	19.2	1.03	1.23	1.59	.20	.56
06:00	17.7	18.7	18.9	19.2	.97	1.12	1.43	.15	.46
07:00	19.2	19.5	19.5	19.5	.34	.36	.35	.02	.01
08:00	21.7	21.4	21.2	21.1	-.32	-.54	-.64	-.22	-.32
09:00	24.0	23.4	23.1	23.0	-.58	-.88	-.99	-.29	-.41
10:00	26.3	25.5	25.2	25.1	-.77	-1.09	-1.17	-.32	-.39
11:00	27.6	26.7	26.3	26.2	-.92	-1.30	-1.39	-.37	-.47
12:00	29.3	28.2	27.8	27.7	-1.14	-1.48	-1.57	-.34	-.42
13:00	30.4	29.2	28.9	28.8	-1.20	-1.55	-1.65	-.34	-.44
14:00	31.1	30.0	29.7	29.6	-1.06	-1.41	-1.50	-.35	-.44
15:00	31.7	30.8	30.4	30.4	-.91	-1.28	-1.34	-.38	-.44
16:00	31.8	31.1	30.8	30.7	-.66	-.96	-1.09	-.30	-.43
17:00	28.0	27.5	27.3	27.2	-.48	-.73	-.80	-.24	-.32
18:00	26.5	26.1	26.0	26.0	-.35	-.52	-.52	-.17	-.17
19:00	24.6	24.3	24.1	24.0	-.24	-.47	-.56	-.23	-.32
20:00	22.8	22.8	22.6	22.5	-.08	-.29	-.36	-.21	-.27
21:00	22.1	22.4	22.3	22.4	.24	.22	.24	-.03	-.01
22:00	21.0	21.2	21.5	21.7	.19	.46	.66	.26	.47
23:00	20.6	20.7	20.9	21.2	.14	.35	.60	.20	.45
Avg	23.6	23.6	23.6	23.8	.09	.06	.23	-.02	.14
Max	31.8	31.1	30.8	30.7	1.78	2.42	3.78	.80	2.00
Hr. of Max	16	16	16	16	01	00	01	00	01
Min	17.5	18.6	18.8	19.2	-1.20	-1.55	-1.65	-.38	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2016

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	16.5	16.7	17.4	24.1	86.7	79.6	14.0	14.1	0.012149
01:00	16.5	16.6	17.2	23.8	89.4	80.8	14.0	14.0	0.012111
02:00	16.4	16.9	17.0	23.6	91.3	84.9	13.9	14.3	0.012056
03:00	16.5	16.9	17.0	23.3	92.4	86.9	14.0	14.3	0.01215
04:00	16.2	17.1	16.6	23.1	93.9	91.5	13.7	14.5	0.01186
05:00	16.5	17.3	16.9	22.8	95.4	93.7	14.1	14.7	0.012151
06:00	16.8	17.3	17.1	22.6	96.3	93.5	14.3	14.7	0.012379
07:00	17.6	17.1	18.1	22.4	92.4	87.9	14.9	14.5	0.012968
08:00	17.8	17.2	19.1	22.2	80.1	78.4	15.0	14.5	0.013171
09:00	18.0	17.1	20.0	22.1	71.0	69.2	15.2	14.3	0.013389
10:00	17.9	17.0	20.7	22.2	61.7	60.8	15.0	14.2	0.01335
11:00	18.2	17.3	21.4	22.3	58.2	58.0	15.2	14.4	0.013626
12:00	18.2	17.3	21.9	22.7	52.7	53.3	15.1	14.4	0.013616
13:00	18.1	17.3	22.2	23.3	49.3	50.1	15.0	14.3	0.013582
14:00	17.6	16.9	22.1	23.9	46.1	46.8	14.6	14.0	0.013186
15:00	16.9	16.0	21.8	24.4	42.5	42.3	13.9	13.2	0.012604
16:00	16.7	15.7	21.7	24.7	41.8	40.7	13.7	12.9	0.012453
17:00	16.9	16.6	20.6	25.1	52.2	52.7	14.0	13.7	0.012517
18:00	16.8	16.3	20.1	25.2	56.9	56.0	14.0	13.5	0.012484
19:00	17.2	17.1	19.7	25.2	65.0	65.4	14.4	14.3	0.012721
20:00	17.6	17.5	19.3	25.1	73.9	74.1	14.8	14.8	0.01301
21:00	17.5	17.5	19.0	25.0	76.8	75.5	14.7	14.7	0.012941
22:00	17.5	17.4	18.7	24.7	82.1	80.9	14.8	14.7	0.012917
23:00	17.7	17.7	18.7	24.5	85.3	84.7	15.0	15.0	0.013072
Avg	17.2	17.0	19.3	23.7	72.2	70.3	14.5	14.3	0.012769
Max	18.2	17.7	22.2	25.2	96.3	93.7	15.2	15.0	0.013626
Hr. of Max	12	23	13	19	06	05	11	23	11
Min	16.2	15.7	16.6	22.1	41.8	40.7	13.7	12.9	0.01186
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2016

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	0.012331	18.9	19.1	.00	29.06	984.0	-1.7	.00	258.1
01:00	0.012223	18.8	19.0	.00	29.06	984.0	-1.9	.00	15.9
02:00	0.01249	18.7	19.4	.00	29.05	983.8	-2.5	.00	44.4
03:00	0.012443	18.9	19.3	.00	29.06	984.0	-3.1	.00	44.3
04:00	0.012593	18.4	19.5	.00	29.07	984.4	-3.0	.00	310.8
05:00	0.012739	18.9	19.8	.00	29.07	984.6	-2.9	.00	41.3
06:00	0.012774	19.2	19.8	.00	29.09	985.1	7.2	.01	50.1
07:00	0.01261	20.1	19.6	.00	29.11	985.7	115.2	.17	58.2
08:00	0.012645	20.4	19.6	.00	29.11	986.0	336.4	.48	67.0
09:00	0.012602	20.8	19.6	.00	29.12	986.3	542.6	.78	100.3
10:00	0.012573	20.7	19.5	.00	29.12	986.3	724.0	1.04	213.1
11:00	0.01284	21.1	19.9	.00	29.12	986.2	874.5	1.25	192.8
12:00	0.012873	21.1	20.0	.00	29.11	985.8	966.9	1.39	212.9
13:00	0.012867	21.1	20.0	.00	29.09	985.3	987.8	1.42	184.1
14:00	0.012596	20.4	19.5	.00	29.07	984.6	939.8	1.35	195.4
15:00	0.011922	19.5	18.5	.00	29.05	983.7	821.2	1.18	225.7
16:00	0.011668	19.3	18.1	.00	29.03	983.1	478.2	.69	242.3
17:00	0.012264	19.4	19.0	.00	29.03	983.1	278.7	.40	305.3
18:00	0.012024	19.4	18.7	.00	29.04	983.5	185.2	.27	254.6
19:00	0.012615	19.7	19.6	.00	29.08	984.8	139.4	.20	164.4
20:00	0.012983	20.2	20.1	.00	29.10	985.5	11.1	.02	63.2
21:00	0.01292	20.1	20.1	.00	29.10	985.6	-1.5	.00	47.1
22:00	0.012869	20.1	20.0	.00	29.12	986.2	-1.0	.00	255.5
23:00	0.013101	20.3	20.3	.00	29.12	986.3	-1.7	.00	244.6
Avg	0.012565	19.8	19.5	.00	29.08	984.9	307.9	.44	220.0
Max	0.013101	21.1	20.3	.00	29.12	986.3	987.8	1.42	310.8
Hr. of Max	23	13	23	23	23	23	13	13	04
Min	0.011668	18.4	18.1	.00	29.03	983.1	-3.1	.00	15.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	239.4	227.5	262.4	16.0	8.5	27.6	1.9	3.3	3.1
01:00	55.7	42.5	18.9	37.6	29.8	24.7	.7	.8	.7
02:00	73.5	67.5	48.8	10.8	9.3	8.7	.9	2.4	3.7
03:00	62.8	52.7	54.4	58.7	14.2	10.0	.7	1.7	3.3
04:00	67.2	78.3	305.4	44.1	19.8	14.6	.6	.9	1.9
05:00	51.2	64.6	40.3	28.3	15.2	5.6	1.2	2.2	3.5
06:00	63.1	63.0	52.7	14.4	8.0	4.0	1.7	2.9	4.4
07:00	57.0	61.5	61.7	19.2	15.3	9.5	1.7	2.7	3.6
08:00	60.0	65.3	75.9	35.4	28.4	21.9	1.4	1.9	2.2
09:00	79.9	79.9	102.9	32.8	49.2	42.9	1.8	1.7	1.7
10:00	225.3	225.4	218.4	35.4	26.5	24.0	2.7	3.2	3.5
11:00	199.1	189.9	201.2	41.1	36.8	34.2	2.3	2.7	2.8
12:00	220.9	213.6	221.0	41.0	35.0	34.2	3.0	3.7	4.1
13:00	193.7	187.3	187.2	56.4	58.8	47.2	2.3	2.7	3.5
14:00	210.1	207.9	207.5	46.8	37.0	38.1	2.5	2.9	3.3
15:00	239.6	226.0	227.3	69.5	59.0	50.8	1.5	2.1	2.5
16:00	243.5	237.6	243.0	46.8	40.7	36.3	2.2	2.9	3.4
17:00	312.1	312.4	306.4	29.9	21.1	16.4	4.1	6.2	8.5
18:00	265.6	274.0	256.7	41.4	30.8	25.3	2.5	3.7	4.4
19:00	174.6	170.1	170.4	31.3	29.0	23.3	4.4	5.7	7.1
20:00	65.3	70.9	65.1	33.6	23.6	20.0	2.6	4.4	5.5
21:00	60.3	65.7	48.6	48.9	23.5	14.8	1.8	3.8	5.1
22:00	244.1	219.4	258.1	23.4	12.0	20.0	1.9	3.2	3.4
23:00	246.3	235.8	249.9	50.4	32.3	19.7	1.0	1.6	2.5
Avg	148.0	143.0	233.0	37.2	27.7	23.9	.0	.0	.0
Max	312.1	312.4	306.4	69.5	59.0	50.8	4.4	6.2	8.5
Hr. of Max	17	17	17	15	15	15	19	17	17
Min	51.2	42.5	18.9	10.8	8.0	4.0	.6	.8	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	2.0	3.3	3.1	2.4	3.4	.3	1.3	-.02	.08
01:00	.8	1.4	1.5	1.0	1.9	3.3	1.8	.06	.07
02:00	1.0	2.5	3.7	1.2	3.9	1.1	.9	.01	.06
03:00	1.0	1.8	3.3	1.2	3.5	1.6	1.4	.04	.07
04:00	.8	1.0	2.0	1.1	2.3	.7	.9	.00	.03
05:00	1.2	2.3	3.6	1.4	3.8	-1.8	.4	-.06	.02
06:00	1.8	3.0	4.5	1.9	4.6	-2.1	-.5	-.10	-.04
07:00	1.9	2.8	3.6	2.0	3.9	-4.9	.0	-.20	-.08
08:00	1.7	2.1	2.3	2.0	2.7	2.1	15.0	.03	.73
09:00	2.0	2.0	2.0	2.5	2.6	4.0	-9.5	.18	-.42
10:00	3.4	3.8	4.1	4.0	4.6	-.5	-2.5	-.11	-.23
11:00	3.3	3.6	4.0	3.9	4.6	-1.9	-5.2	-.19	-.47
12:00	3.8	4.4	4.7	4.4	5.4	.0	-1.7	-.15	-.20
13:00	3.5	3.9	4.2	4.2	4.8	5.6	.2	.29	-.25
14:00	3.5	4.1	4.5	4.2	5.1	-2.6	-10.3	-.17	-.87
15:00	2.6	3.2	3.3	3.3	4.0	-3.0	-6.9	-.13	-.44
16:00	2.9	3.7	4.3	3.5	4.7	3.0	4.1	-.01	.16
17:00	4.7	6.7	8.9	5.2	9.1	-3.7	-.8	-.63	-.38
18:00	3.8	5.5	7.1	4.3	7.4	2.8	.7	-.11	-.18
19:00	5.1	6.5	7.8	5.9	8.3	-1.4	-5.2	-.29	-.97
20:00	3.2	5.0	6.0	3.7	6.5	-.7	-.3	-.21	-.03
21:00	2.2	4.1	5.4	2.6	5.6	-1.5	-.4	-.20	-.08
22:00	2.1	3.3	3.5	2.4	3.8	-1.2	-.8	-.08	-.02
23:00	1.4	1.8	2.7	1.8	2.9	-1.1	1.4	-.03	.06
Avg	2.5	3.4	4.2	2.9	4.6	-.1	-.7	-.09	-.14
Max	5.1	6.7	8.9	5.9	9.1	5.6	15.0	.29	.73
Hr. of Max	19	17	17	19	17	13	08	13	08
Min	.8	1.0	1.5	1.0	1.9	-4.9	-10.3	-.63	-.97
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	5.5	7.1	6.6	6.2	7.0	8.6	4.3	21.8	23.4
01:00	3.9	6.4	6.0	2.6	3.7	8.6	7.4	21.5	23.3
02:00	2.5	6.0	5.7	2.9	5.8	8.4	2.9	21.0	21.8
03:00	3.0	4.4	9.6	2.5	6.1	10.4	4.8	20.6	21.3
04:00	2.1	4.6	4.8	2.7	3.8	9.5	9.8	20.0	20.8
05:00	2.7	4.4	5.3	3.1	5.6	8.3	3.7	19.8	20.2
06:00	3.4	5.7	8.7	3.4	6.2	7.7	2.7	19.9	20.2
07:00	4.8	6.6	10.8	4.3	6.5	13.3	10.5	20.8	20.4
08:00	6.6	8.9	8.7	6.1	6.0	25.3	23.6	22.8	22.1
09:00	6.0	5.3	6.4	6.7	6.4	27.6	28.0	24.7	24.0
10:00	8.2	8.2	8.7	9.1	10.4	21.4	22.6	26.5	25.7
11:00	10.1	9.6	10.5	9.8	10.8	24.3	26.2	27.7	26.9
12:00	9.8	10.3	11.2	11.6	11.7	22.6	23.6	29.1	28.3
13:00	8.5	10.3	11.7	10.2	12.3	24.3	30.9	30.2	29.4
14:00	10.8	10.8	11.9	12.9	13.3	26.7	24.9	30.9	30.0
15:00	9.6	10.8	10.8	10.5	11.3	28.0	28.0	31.5	30.7
16:00	14.9	16.9	19.2	17.3	20.2	25.2	23.6	31.8	31.0
17:00	17.9	27.7	34.6	14.8	19.0	20.7	12.5	28.5	27.7
18:00	20.2	20.8	24.5	21.1	25.5	23.1	13.2	27.1	26.5
19:00	21.5	31.1	23.8	23.0	24.1	20.0	17.7	25.5	24.8
20:00	14.4	15.8	16.7	10.8	13.9	20.3	15.4	24.0	23.4
21:00	8.2	14.7	23.1	10.2	13.6	22.3	9.2	23.6	23.3
22:00	4.8	6.2	6.9	5.2	7.1	6.8	6.7	22.4	22.7
23:00	3.9	4.8	8.7	3.5	4.8	13.0	5.8	22.0	22.2
Avg	8.5	10.7	12.3	8.8	10.6	17.8	14.9	24.7	24.6
Max	21.5	31.1	34.6	23.0	25.5	28.0	30.9	31.8	31.0
Hr. of Max	19	19	17	19	18	15	13	16	16
Min	2.1	4.4	4.8	2.5	3.7	6.8	2.7	19.8	20.2
Count	24	24	24	24	24	24	24	24	24
Total									