Date Printed: 04/06/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2017

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	13.4	15.6	16.6	18.0	2.24	3.20	4.61	.96	2.38
01:00	12.2	14.4	15.3	16.5	2.16	3.02	4.27	.86	2.11
02:00	12.1	14.0	15.7	17.8	1.95	3.65	5.73	1.70	3.77
03:00	11.8	13.4	14.6	16.6	1.55	2.74	4.74	1.19	3.19
04:00	10.8	12.7	13.6	14.7	1.87	2.74	3.90	.87	2.03
05:00	10.6	12.0	12.9	14.7	1.40	2.25	4.06	.84	2.66
06:00	10.2	11.5	12.5	13.8	1.37	2.33	3.67	.95	2.30
07:00	10.4	11.5	12.1	13.4	1.11	1.67	3.04	.56	1.93
08:00	11.1	11.8	12.1	13.0	.64	.98	1.87	.34	1.23
09:00	13.1	13.2	13.1	13.5	.01	-.05	.41	-.06	.39
10:00	15.0	15.1	14.9	14.9	.09	-.08	-.13	-.17	-.23
11:00	15.5	15.5	15.3	15.3	-.02	-.20	-.25	-.18	-.23
12:00	16.7	16.6	16.4	16.5	-.09	-.26	-.23	-.17	-.14
13:00	20.9	20.1	19.7	19.6	-.80	-1.14	-1.28	-.34	-.48
14:00	22.5	21.8	21.5	21.3	-.72	-1.01	-1.19	-.30	-.47
15:00	22.8	22.4	22.1	22.0	-.37	-.67	-.82	-.30	-.44
16:00	22.8	22.6	22.4	22.3	-.14	-.38	-.48	-.24	-.34
17:00	22.9	22.8	22.5	22.4	-.15	-.42	-.54	-.27	-.39
18:00	22.1	22.0	21.8	21.7	-.06	-.31	-.42	-.24	-.36
19:00	21.3	21.4	21.2	21.2	.09	-.08	-.14	-.18	-.23
20:00	18.7	19.1	19.0	19.1	.36	.31	.42	-.05	.06
21:00	14.3	14.4	14.5	14.7	.14	.22	.36	.07	.22
22:00	14.5	15.0	15.2	15.3	.44	.65	.76	.21	.31
23:00	14.6	15.2	15.3	15.5	.58	.66	.81	.08	.23
Avg	15.8	16.4	16.7	17.2	.57	.83	1.38	.26	.81
Max	22.9	22.8	22.5	22.4	2.24	3.65	5.73	1.70	3.77
Hr. of Max	17	17	17	17	00	02	02	02	02
Min	10.2	11.5	12.1	13.0	-.80	-1.14	-1.28	-.34	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2017

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	9.9	10.1	11.1	17.4	80.6	70.7	9.3	9.3	0.007867
01:00	9.6	10.0	10.5	17.2	85.1	76.2	9.1	9.3	0.007712
02:00	9.7	10.4	10.5	17.0	86.9	79.8	9.2	9.5	0.007777
03:00	9.8	9.9	10.5	16.8	88.3	80.7	9.2	9.3	0.007797
04:00	9.3	10.0	9.8	16.6	91.6	84.7	9.0	9.3	0.00756
05:00	9.3	9.8	9.7	16.4	92.6	87.6	8.9	9.2	0.00753
06:00	8.9	9.5	9.3	16.2	93.1	88.4	8.7	9.1	0.007344
07:00	9.0	9.4	9.5	16.0	92.5	87.9	8.8	9.0	0.007409
08:00	9.4	9.3	10.0	15.8	90.5	85.9	9.0	8.9	0.007609
09:00	10.0	9.3	11.0	15.6	82.3	78.4	9.3	8.9	0.007906
10:00	9.9	9.3	11.6	15.5	72.7	69.1	9.2	8.8	0.0079
11:00	10.3	9.7	12.1	15.5	72.3	69.5	9.5	9.1	0.008127
12:00	11.0	10.3	12.9	15.5	70.2	67.5	9.8	9.4	0.008493
13:00	12.5	11.6	15.3	15.5	59.9	59.0	10.8	10.1	0.009442
14:00	12.7	12.1	16.0	15.8	55.2	55.4	10.9	10.5	0.009616
15:00	13.8	13.4	16.8	16.2	58.1	57.7	11.7	11.3	0.010332
16:00	14.2	13.8	17.0	16.6	59.7	58.8	11.9	11.7	0.010586
17:00	13.0	12.6	16.3	16.8	54.7	53.6	11.1	10.8	0.009809
18:00	13.0	12.7	16.0	16.9	57.5	56.7	11.1	10.9	0.0098
19:00	12.8	12.7	15.6	17.0	59.6	58.7	11.0	10.9	0.009685
20:00	13.2	13.2	15.1	17.1	72.9	70.8	11.4	11.3	0.009958
21:00	13.4	13.7	13.7	16.9	96.0	96.6	11.6	11.8	0.010034
22:00	13.9	14.5	14.1	16.8	97.7	98.9	12.0	12.5	0.010373
23:00	14.0	14.8	14.2	16.6	97.6	99.2	12.1	12.7	0.010436
Avg	11.4	11.3	12.9	16.4	77.8	74.7	10.2	10.2	0.008796
Max	14.2	14.8	17.0	17.4	97.7	99.2	12.1	12.7	0.010586
Hr. of Max	16	23	16	00	22	23	23	23	16
Min	8.9	9.3	9.3	15.5	54.7	53.6	8.7	8.8	0.007344
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2017

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	0.007969	12.2	12.4	.00	28.94	980.1	-2.0	.00	71.9
01:00	0.007944	12.0	12.4	.00	28.93	979.8	-2.3	.00	82.3
02:00	0.008121	12.1	12.6	.00	28.93	979.6	-2.1	.00	70.0
03:00	0.007879	12.1	12.2	.00	28.91	979.2	-1.7	.00	85.3
04:00	0.007902	11.8	12.3	.00	28.93	979.6	-3.8	-.01	125.1
05:00	0.007814	11.7	12.2	.00	28.93	979.8	-2.0	.00	74.0
06:00	0.007643	11.4	11.9	.00	28.94	980.1	-2.6	.00	87.5
07:00	0.007575	11.5	11.8	.00	28.93	979.8	24.2	.03	76.4
08:00	0.007536	11.8	11.7	.00	28.93	979.7	63.6	.09	87.2
09:00	0.007543	12.3	11.7	.00	28.90	978.7	171.8	.25	65.1
10:00	0.00755	12.3	11.7	.00	28.89	978.2	113.1	.16	75.9
11:00	0.007802	12.6	12.1	.00	28.88	978.2	108.1	.15	77.8
12:00	0.008122	13.2	12.6	.00	28.86	977.3	230.6	.33	60.4
13:00	0.008864	14.6	13.7	.00	28.81	975.7	857.2	1.23	225.0
14:00	0.009238	14.8	14.3	.00	28.79	975.0	785.0	1.13	189.6
15:00	0.010039	15.9	15.5	.00	28.77	974.3	468.9	.67	197.7
16:00	0.010345	16.3	15.9	.00	28.75	973.8	234.9	.34	185.5
17:00	0.009539	15.1	14.7	.00	28.74	973.3	293.0	.42	194.5
18:00	0.009618	15.1	14.8	.00	28.72	972.5	198.3	.28	193.4
19:00	0.009596	14.9	14.8	.00	28.69	971.6	8.7	.01	187.7
20:00	0.009909	15.3	15.2	.96	28.67	971.0	-2.6	.00	212.4
21:00	0.010198	15.4	15.7	.06	28.69	971.6	-2.3	.00	242.1
22:00	0.010799	15.9	16.6	.00	28.69	971.7	-1.7	.00	227.1
23:00	0.011002	16.0	16.9	.00	28.70	972.0	-2.3	.00	238.5
Avg	0.008773	13.6	13.6	.04	28.83	976.4	147.2	.21	132.0
Max	0.011002	16.3	16.9	.96	28.94	980.1	857.2	1.23	242.1
Hr. of Max	23	16	23	20	06	06	13	13	21
Min	0.007536	11.4	11.7	.00	28.67	971.0	-3.8	-.01	60.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2017

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	65.6	51.9	57.3	36.1	11.3	8.6	1.1	2.8
01:00	66.4	48.4	62.8	38.5	20.9	21.9	5.5	.8	1.8
02:00	55.4	56.3	62.0	47.1	16.9	11.5	6.5	2.2	3.2
03:00	59.6	54.2	77.7	44.7	21.1	13.0	4.8	1.8	4.0
04:00	58.8	33.7	278.8	23.9	35.8	38.4	39.3	.5	.7
05:00	64.5	52.3	61.3	42.8	15.5	30.3	9.1	1.6	3.1
06:00	52.5	50.5	84.7	40.8	12.2	11.7	4.8	.8	2.8
07:00	59.9	58.2	67.9	49.2	14.5	7.1	4.0	1.5	3.8
08:00	56.5	49.3	82.9	39.1	16.4	15.4	6.9	1.2	2.5
09:00	62.3	61.6	57.3	52.6	22.4	15.3	6.4	2.3	4.4
10:00	72.9	66.9	71.3	57.5	17.0	15.1	11.2	2.7	3.9
11:00	72.3	64.9	68.1	55.7	24.6	22.8	14.4	1.7	2.7
12:00	61.9	81.4	48.9	71.4	35.7	31.5	38.2	1.6	2.5
13:00	234.8	233.9	226.5	229.5	30.9	23.4	20.3	5.3	7.0
14:00	199.5	199.7	190.5	194.5	31.4	27.8	23.4	6.6	8.2
15:00	203.3	201.5	198.5	196.9	27.5	23.3	19.5	9.0	11.7
16:00	194.3	192.5	185.9	187.9	27.9	24.5	21.5	7.1	9.1
17:00	200.6	196.1	195.4	191.2	27.0	22.9	19.8	8.0	9.9
18:00	198.3	196.1	194.2	191.1	25.2	21.3	18.8	8.2	10.5
19:00	192.9	186.6	188.7	181.6	31.0	25.1	22.9	6.4	8.6
20:00	219.7	216.8	214.0	211.9	36.4	31.0	27.3	6.7	10.0
21:00	242.7	234.7	244.0	230.5	46.5	31.1	23.8	2.9	4.9
22:00	248.6	244.3	234.4	240.2	41.1	14.0	10.7	1.9	4.2
23:00	241.8	230.8	241.3	226.6	25.7	14.2	11.3	2.3	4.4
Avg	112.0	109.0	130.0	97.0	26.7	21.0	15.8	.0	.0
Max	248.6	244.3	278.8	240.2	46.5	38.4	39.3	9.0	11.7
Hr. of Max	22	22	04	22	21	04	04	15	15
Min	52.5	33.7	48.9	23.9	12.2	7.1	4.0	.5	.7
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)

4/5/2017

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	3.5	1.3	2.9	3.6	1.5	3.8	1.0	2.4	.02
01:00	3.8	1.0	2.0	3.9	1.3	4.1	2.9	1.8	.06
02:00	5.7	2.3	3.3	5.8	2.4	6.0	1.2	.7	.01
03:00	6.7	1.9	4.1	6.7	2.2	7.0	.6	1.0	.01
04:00	1.1	1.3	1.6	1.6	1.8	1.9	1.5	1.1	.03
05:00	4.4	1.7	3.1	4.5	1.9	4.7	.5	1.5	.00
06:00	4.6	.9	2.8	4.6	1.2	4.8	2.7	1.8	.05
07:00	6.6	1.6	3.9	6.6	1.8	6.9	-1.1	.3	-.05
08:00	4.4	1.2	2.6	4.5	1.5	4.7	1.4	.4	.02
09:00	6.9	2.5	4.5	7.0	2.8	7.3	-.8	-.3	-.10
10:00	5.1	2.8	4.1	5.2	3.1	5.5	3.0	.9	.09
11:00	3.5	1.9	2.9	3.6	2.3	3.9	.9	3.5	-.01
12:00	2.8	1.9	2.9	3.4	2.3	3.8	-1.2	-3.6	-.10
13:00	8.1	6.0	7.5	8.5	6.8	9.3	.8	-1.2	-.12
14:00	9.8	7.8	9.3	10.7	8.6	11.4	1.9	1.8	.03
15:00	14.2	9.9	12.6	15.0	10.6	15.7	2.9	-.1	.25
16:00	11.2	7.8	9.8	11.9	8.6	12.5	2.3	.5	.11
17:00	12.1	8.8	10.6	12.8	9.4	13.5	2.4	.2	.11
18:00	12.9	9.0	11.1	13.5	9.6	14.2	2.3	-1.0	.09
19:00	10.6	7.3	9.4	11.4	7.9	12.1	2.0	-.3	.10
20:00	12.8	9.3	12.4	15.3	10.0	16.0	.0	-1.0	-.27
21:00	6.6	3.9	5.9	7.4	4.3	7.8	-.3	-.6	-.08
22:00	6.2	2.2	4.6	6.6	2.6	6.9	1.7	.6	.04
23:00	6.6	2.6	4.6	6.8	2.9	7.1	-1.1	-.9	-.08
Avg	.0	4.0	5.8	7.5	4.5	8.0	1.1	.4	.01
Max	14.2	9.9	12.6	15.3	10.6	16.0	3.0	3.5	.25
Hr. of Max	15	15	15	20	15	20	10	11	15
Min	1.1	.9	1.6	1.6	1.2	1.9	-1.2	-3.6	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2017

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	.15	3.0	5.7	7.8	7.2	4.1	16.1	18.3
01:00	.13	3.2	4.4	7.3	7.2	3.5	15.0	16.9
02:00	.07	5.0	6.4	8.5	8.0	2.5	14.6	18.0
03:00	.12	6.0	8.7	11.2	8.1	2.5	14.0	16.8
04:00	.06	4.4	7.8	10.8	8.0	9.8	13.3	15.1
05:00	.09	3.7	6.0	7.6	7.8	3.2	12.6	15.1
06:00	.15	3.0	8.0	11.2	8.8	2.5	12.1	14.2
07:00	.03	3.4	6.4	11.2	8.9	2.1	12.1	13.7
08:00	.03	3.7	7.6	8.0	9.2	2.3	12.4	13.3
09:00	-.05	7.8	9.2	11.0	16.2	5.1	13.8	13.8
10:00	.05	6.4	10.5	11.7	17.3	8.3	15.7	15.1
11:00	.18	6.6	7.8	9.6	17.8	10.2	16.2	15.6
12:00	-.19	6.0	6.6	7.1	21.7	17.3	17.3	16.8
13:00	-.49	15.8	16.9	19.0	18.6	16.9	20.6	19.6
14:00	-.03	20.4	21.8	23.1	18.0	16.9	22.3	21.4
15:00	-.43	34.1	27.5	32.7	17.5	13.4	23.1	22.3
16:00	-.24	19.7	25.0	26.6	17.8	15.6	23.4	22.7
17:00	-.31	23.4	27.2	29.8	17.4	15.4	23.4	22.7
18:00	-.65	21.5	27.2	27.7	17.6	15.2	22.7	22.0
19:00	-.45	21.1	22.2	29.1	19.7	17.8	22.2	21.6
20:00	-.51	29.5	40.1	44.4	15.0	12.4	20.0	19.9 R
21:00	-.14	12.1	22.7	23.8	13.4	8.1	15.6	15.5
22:00	.04	6.0	9.4	11.9	14.2	6.6	16.2	16.1
23:00	-.13	5.7	8.2	12.8	8.3	4.6	16.5	16.2
Avg	-.11	11.3	14.3	16.8	13.5	9.0	17.1	17.6
Max	.18	34.1	40.1	44.4	21.7	17.8	23.4	22.7
Hr. of Max	11	15	20	20	12	19	17	17
Min	-.65	3.0	4.4	7.1	7.2	2.1	12.1	13.3
Count	24	24	24	24	24	24	24	24
Total								