Date Printed: 06/26/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2017

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	17.6	20.1	21.1	21.5	2.55	3.51	3.98	.96	1.42
01:00	16.7	18.1	19.1	20.2	1.43	2.36	3.47	.93	2.04
02:00	16.0	17.1	18.1	19.1	1.17	2.11	3.17	.94	1.99
03:00	15.6	16.5	17.4	18.2	.93	1.77	2.63	.83	1.70
04:00	15.5	16.4	16.8	17.3	.92	1.34	1.82	.42	.90
05:00	15.4	16.1	16.5	17.2	.71	1.05	1.75	.34	1.05
06:00	15.4	15.8	16.3	16.9	.47	.97	1.51	.50	1.03
07:00	16.1	16.2	16.4	17.0	.05	.33	.92	.28	.87
08:00	17.6	17.4	17.3	17.6	-.22	-.28	.03	-.06	.25
09:00	18.3	18.0	18.0	18.0	-.26	-.31	-.27	-.05	-.01
10:00	19.9	19.6	19.3	19.3	-.37	-.59	-.66	-.22	-.29
11:00	21.2	20.5	20.3	20.2	-.62	-.87	-.98	-.25	-.37
12:00	22.8	22.1	21.8	21.7	-.69	-1.00	-1.15	-.30	-.46
13:00	23.7	22.9	22.5	22.4	-.88	-1.21	-1.34	-.32	-.46
14:00	25.1	23.7	23.4	23.3	-1.33	-1.64	-1.74	-.31	-.41
15:00	26.1	25.0	24.7	24.5	-1.08	-1.40	-1.59	-.32	-.51
16:00	26.7	25.7	25.4	25.2	-.97	-1.32	-1.47	-.35	-.50
17:00	26.7	26.0	25.7	25.5	-.71	-1.03	-1.23	-.32	-.52
18:00	26.2	25.6	25.4	25.3	-.57	-.82	-.92	-.25	-.36
19:00	23.7	24.8	24.7	24.7	1.16	1.05	1.06	-.11	-.10
20:00	19.5	23.2	23.6	23.8	3.66	4.12	4.26	.46	.60
21:00	16.8	20.1	21.8	23.0	3.35	4.96	6.24	1.61	2.90
22:00	15.2	17.9	18.9	20.2	2.73	3.67	4.99	.94	2.26
23:00	14.1	16.4	17.4	18.7	2.30	3.26	4.57	.96	2.27
Avg	19.7	20.2	20.5	20.9	.57	.83	1.21	.26	.64
Max	26.7	26.0	25.7	25.5	3.66	4.96	6.24	1.61	2.90
Hr. of Max	17	17	17	17	20	21	21	21	21
Min	14.1	15.8	16.3	16.9	-1.33	-1.64	-1.74	-.35	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2017

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	15.5	14.6	16.2	24.5	89.6	71.9	13.2	12.3	0.011328
01:00	15.4	15.4	15.8	24.2	93.7	85.9	13.1	13.1	0.011231
02:00	15.1	15.8	15.4	24.0	96.3	93.4	12.9	13.4	0.010995
03:00	14.9	15.5	15.1	23.8	97.0	95.3	12.7	13.2	0.010842
04:00	14.8	15.7	15.0	23.6	97.6	97.4	12.7	13.4	0.01079
05:00	14.8	15.6	15.0	23.3	97.8	98.3	12.7	13.3	0.010787
06:00	14.8	15.3	15.0	23.1	97.9	98.6	12.6	13.1	0.010761
07:00	15.4	15.6	15.6	22.9	97.2	98.1	13.1	13.3	0.011191
08:00	15.5	15.4	16.2	22.8	89.4	89.9	13.2	13.1	0.011295
09:00	15.9	15.7	16.7	22.6	87.5	88.1	13.4	13.3	0.011557
10:00	14.9	14.6	16.6	22.5	74.3	74.6	12.6	12.4	0.010869
11:00	15.1	14.5	17.1	22.5	69.8	69.7	12.7	12.3	0.011017
12:00	12.3	11.6	15.8	22.6	52.8	52.4	10.6	10.1	0.00921
13:00	12.3	11.4	16.1	22.7	49.8	49.5	10.6	10.0	0.009211
14:00	12.6	11.7	16.8	23.0	47.0	47.8	10.7	10.1	0.009417
15:00	11.7	10.9	16.5	23.3	41.8	42.2	10.1	9.6	0.00892
16:00	9.4	8.2	15.2	23.4	34.7	33.7	8.7	8.0	0.00768
17:00	8.3	7.4	14.5	23.6	32.2	31.5	8.1	7.6	0.007135
18:00	8.1	7.1	14.1	23.7	32.6	31.6	8.0	7.5	0.006988
19:00	10.5	6.8	14.9	23.7	44.6	32.4	9.4	7.3	0.008172
20:00	11.6	7.0	14.2	23.7	61.4	36.1	10.2	7.4	0.008738
21:00	11.5	8.4	13.3	23.6	72.0	48.1	10.2	8.2	0.008665
22:00	10.9	9.1	12.3	23.5	76.7	57.3	9.8	8.7	0.008321
23:00	10.8	9.8	11.9	23.3	81.7	65.8	9.8	9.1	0.008262
Avg	13.0	12.2	15.2	23.3	71.5	66.2	11.3	10.8	0.009724
Max	15.9	15.8	17.1	24.5	97.9	98.6	13.4	13.4	0.011557
Hr. of Max	09	02	11	00	06	06	09	04	09
Min	8.1	6.8	11.9	22.5	32.2	31.5	8.0	7.3	0.006988
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2017

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	0.010651	17.7	16.6	.00	29.20	988.9	-2.3	.00	308.4
01:00	0.011261	17.5	17.6	.00	29.21	989.1	-2.2	.00	47.5
02:00	0.011495	17.2	17.9	.00	29.21	989.2	-2.0	.00	27.1
03:00	0.011296	16.9	17.6	.00	29.21	989.2	-2.7	.00	10.9
04:00	0.011426	16.9	17.8	.00	29.22	989.4	-2.9	.00	64.2
05:00	0.011344	16.9	17.7	.00	29.22	989.5	-2.1	.00	297.4
06:00	0.011169	16.8	17.5	.00	29.23	990.0	7.5	.01	223.3
07:00	0.011336	17.5	17.7	.00	29.25	990.7	78.6	.11	190.9
08:00	0.011209	17.7	17.6	.00	29.28	991.4	122.7	.18	186.7
09:00	0.011453	18.1	17.9	.00	29.28	991.7	137.5	.20	190.0
10:00	0.010664	17.0	16.7	.00	29.29	991.8	289.9	.42	74.1
11:00	0.01059	17.3	16.6	.00	29.29	992.0	495.5	.71	177.6
12:00	0.008766	14.5	13.8	.00	29.29	992.0	654.4	.94	79.6
13:00	0.008676	14.5	13.6	.00	29.28	991.7	856.1	1.23	108.5
14:00	0.008831	14.8	13.9	.00	29.27	991.1	1036.9	1.49	101.1
15:00	0.008425	14.0	13.2	.00	29.25	990.4	933.8	1.34	9.1
16:00	0.007034	12.1	11.1	.00	29.23	989.9	556.6	.80	343.8
17:00	0.006683	11.2	10.5	.00	29.22	989.5	515.1	.74	357.6
18:00	0.006545	11.0	10.3	.00	29.21	989.4	381.0	.55	351.0
19:00	0.006403	12.8	10.1	.00	29.23	989.8	232.3	.33	334.8
20:00	0.00646	13.7	10.2	.00	29.24	990.3	18.2	.03	.9
21:00	0.007084	13.6	11.2	.00	29.26	990.8	-2.1	.00	33.5
22:00	0.007386	13.1	11.6	.00	29.27	991.2	-2.9	.00	274.7
23:00	0.007712	13.0	12.1	.00	29.27	991.3	-2.3	.00	42.9
Avg	0.009329	15.2	14.6	.00	29.25	990.4	262.3	.38	22.0
Max	0.011495	18.1	17.9	.00	29.29	992.0	1036.9	1.49	357.6
Hr. of Max	02	09	09	23	12	12	14	14	17
Min	0.006403	11.0	10.1	.00	29.20	988.9	-2.9	.00	.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2017

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	309.0	304.9	297.7	296.9	51.9	42.4	17.1	1.5	3.2
01:00	49.2	2.9	18.6	358.1	64.2	65.9	46.1	.6	.9
02:00	30.5	194.1	304.8	181.1	61.0	58.2	64.3	.4	.2
03:00	275.2	234.8	264.7	230.1	54.8	40.0	23.5	.8	.6
04:00	26.2	230.3	276.1	224.9	45.2	8.7	18.9	.3	.0
05:00	236.1	206.4	293.3	196.0	44.9	34.6	19.3	.2	.5
06:00	256.9	229.1	251.3	226.1	46.9	32.9	32.6	.8	.9
07:00	271.9	261.7	247.0	255.9	48.8	39.9	11.2	.8	1.2
08:00	235.2	287.2	215.2	279.8	36.5	51.7	27.6	.9	1.1
09:00	310.9	342.3	248.3	319.0	52.8	49.6	29.0	.5	.5
10:00	7.2	9.2	343.2	358.6	65.1	56.6	42.6	.4	.7
11:00	197.6	200.1	200.6	194.4	51.4	35.6	36.0	1.3	1.3
12:00	79.2	69.2	76.5	61.5	54.3	45.2	40.7	1.5	1.8
13:00	111.4	107.1	112.3	100.7	48.4	48.6	49.1	2.0	2.1
14:00	24.3	320.3	24.7	309.7	53.4	49.6	53.7	.4	.3
15:00	347.4	348.4	342.4	338.4	76.4	66.9	64.6	1.3	2.2
16:00	341.0	337.8	328.5	327.5	43.9	25.8	21.1	3.1	4.5
17:00	.5	.7	346.9	349.3	50.1	37.0	26.0	2.5	4.1
18:00	352.5	352.4	337.9	341.0	43.7	27.0	20.3	2.3	3.8
19:00	341.5	341.4	317.1	330.3	31.1	18.9	16.2	2.1	3.5
20:00	6.3	359.3	332.0	349.0	26.4	17.3	16.1	1.3	2.4
21:00	8.9	355.1	354.0	344.1	45.8	19.7	11.0	.8	2.6
22:00	85.6	296.9	281.2	287.2	57.6	46.0	20.3	.6	.2
23:00	358.9	124.5	294.0	120.7	46.3	45.9	40.2	.3	.0
Avg	349.0	316.0	307.0	305.0	50.0	40.2	31.1	.0	.0
Max	358.9	359.3	354.0	358.6	76.4	66.9	64.6	3.1	4.5
Hr. of Max	23	20	21	10	15	15	15	16	16
Min	.5	.7	18.6	61.5	26.4	8.7	11.0	.2	.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)

6/25/2017

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	5.6	2.1	3.6	5.7	2.3	5.6	.2	-.7	-.03
01:00	1.4	1.4	1.9	2.7	1.7	3.0	.7	3.1	-.01
02:00	.4	.8	.8	.6	1.3	.9	.7	-2.3	.00
03:00	1.1	.9	1.0	1.2	1.3	1.5	1.1	-1.1	.02
04:00	.4	.4	.0	.5	.9	.7	-.7	-.5	-.01
05:00	.6	.3	.5	.9	.7	1.2	.7	-.3	.01
06:00	1.4	.9	1.0	1.6	1.4	1.9	1.4	-.2	.03
07:00	1.5	1.0	1.5	1.6	1.6	1.7	3.2	.0	.04
08:00	1.2	1.0	1.4	1.6	1.6	1.7	1.2	3.0	.01
09:00	.5	.7	.9	1.2	1.3	1.4	-.5	-1.4	-.03
10:00	1.1	.8	1.1	1.5	1.4	1.8	-2.5	-.7	-.10
11:00	1.3	1.9	1.8	1.7	2.5	2.2	-6.0	-11.4	-.18
12:00	2.1	2.2	2.6	2.8	2.8	3.5	.7	14.7	-.18
13:00	2.2	3.1	3.3	3.3	3.6	4.0	3.3	5.6	.22
14:00	.8	3.3	3.2	3.5	3.8	4.3	-3.1	-15.4	-.27
15:00	2.4	2.8	3.2	3.5	3.2	4.3	.5	.1	-.11
16:00	5.2	3.9	5.1	5.7	4.5	6.3	-4.6	-6.5	-.57
17:00	5.2	3.3	4.7	5.8	3.9	6.3	-3.3	4.0	-.50
18:00	4.8	2.8	4.2	5.2	3.3	5.6	-6.0	-3.1	-.54
19:00	4.9	2.3	3.8	5.2	2.6	5.5	-2.0	-1.8	-.26
20:00	3.9	1.4	2.5	4.1	1.8	4.4	-4.1	-.3	-.15
21:00	4.6	1.3	2.9	4.7	1.6	5.0	.6	3.0	-.04
22:00	.7	.6	.8	1.2	1.0	1.5	.6	.4	.01
23:00	.5	.7	.8	.8	1.0	1.1	.8	-1.1	.02
Avg	.0	1.7	2.2	2.8	2.1	3.1	-.7	-.5	-.11
Max	5.6	3.9	5.1	5.8	4.5	6.3	3.3	14.7	.22
Hr. of Max	00	16	16	17	16	17	13	12	13
Min	.4	.3	.0	.5	.7	.7	-6.0	-15.4	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/25/2017

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	-.19	8.2	9.6	12.4	13.5	11.4	20.9	22.1
01:00	.10	3.9	5.7	8.0	11.8	18.2	19.1	20.9
02:00	-.05	3.4	2.3	2.3	11.8	17.7	18.1	19.9
03:00	-.03	3.7	2.7	2.5	6.6	12.9	17.5	19.1
04:00	.00	1.6	1.4	2.1	7.1	8.0	17.3	18.1
05:00	-.01	1.8	1.8	2.3	8.9	10.1	17.1	18.0
06:00	.02	2.5	3.2	4.1	6.4	8.5	16.8	17.7
07:00	.00	3.0	4.1	3.7	12.9	7.7	17.2	17.8
08:00	.09	3.9	3.7	3.2	17.2	7.6	18.4	18.3
09:00	-.04	2.7	3.2	3.7	16.0	13.8	19.1	18.8
10:00	-.05	3.2	3.2	4.4	29.5	23.9	20.6	20.0
11:00	-.46	5.7	6.0	5.3	23.5	28.5	21.4	20.8
12:00	.91	7.8	10.8	8.9	28.7	26.8	22.8	22.1
13:00	.38	9.6	8.9	11.7	22.3	28.5	23.5	22.7
14:00	-1.27	8.9	8.0	9.8	25.8	27.0	24.4	23.6
15:00	-.25	12.4	14.0	11.9	29.0	32.2	25.6	24.8
16:00	-.75	16.3	14.2	14.9	22.7	17.2	26.0	25.2
17:00	.30	10.3	10.8	12.6	25.1	18.6	26.3	25.4
18:00	-.34	12.6	17.2	19.7	22.8	14.5	25.9	25.4
19:00	-.25	7.1	10.5	10.8	19.0	10.6	25.1	24.6
20:00	-.08	6.9	9.4	10.5	12.6	9.2	23.3	23.7
21:00	.20	4.8	8.2	11.9	10.0	4.2	20.4	23.0
22:00	.03	4.6	2.7	4.6	8.3	10.2	18.3	20.5
23:00	-.02	2.3	2.3	2.3	7.4	6.1	16.9	19.1
Avg	-.07	6.1	6.8	7.7	16.6	15.6	20.9	21.3
Max	.91	16.3	17.2	19.7	29.5	32.2	26.3	25.4
Hr. of Max	12	16	18	18	10	15	17	18
Min	-1.27	1.6	1.4	2.1	6.4	4.2	16.8	17.7
Count	24	24	24	24	24	24	24	24
Total								