Date Printed: 01/29/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/28/2017

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	-.2	.3	.5	.6	.50	.67	.73	.17	.23
01:00	-.2	.6	.7	.9	.81	.95	1.12	.14	.31
02:00	.2	1.2	1.5	1.8	1.00	1.34	1.64	.34	.64
03:00	.8	1.6	1.7	1.7	.77	.83	.87	.06	.10
04:00	.3	.5	.4	.4	.22	.11	.05	-.11	-.16
05:00	-1.6	-.7	-.4	-.4	.87	1.16	1.22	.29	.35
06:00	-3.0	-1.5	-1.0	-.7	1.50	1.98	2.29	.48	.79
07:00	-3.8	-2.1	-1.5	-1.1	1.71	2.27	2.66	.56	.95
08:00	-2.6	-1.3	-1.1	-.8	1.22	1.50	1.77	.27	.55
09:00	1.3	.8	.5	.4	-.54	-.81	-.91	-.26	-.37
10:00	3.7	2.9	2.5	2.4	-.79	-1.11	-1.27	-.32	-.49
11:00	5.6	4.7	4.3	4.1	-.93	-1.34	-1.51	-.41	-.58
12:00	7.2	6.1	5.7	5.6	-1.05	-1.42	-1.61	-.38	-.57
13:00	8.6	7.5	7.2	6.9	-1.07	-1.44	-1.66	-.37	-.59
14:00	9.7	8.8	8.5	8.2	-.86	-1.20	-1.41	-.33	-.55
15:00	10.6	9.9	9.5	9.4	-.67	-1.02	-1.18	-.35	-.51
16:00	10.2	9.8	9.6	9.4	-.35	-.62	-.76	-.27	-.40
17:00	9.2	9.3	9.1	9.1	.08	-.06	-.08	-.14	-.17
18:00	8.1	8.4	8.4	8.4	.33	.32	.38	-.02	.05
19:00	8.2	8.4	8.3	8.3	.19	.10	.11	-.08	-.08
20:00	7.9	8.1	8.0	8.0	.21	.12	.12	-.08	-.08
21:00	7.5	7.7	7.6	7.6	.19	.10	.12	-.08	-.07
22:00	7.1	7.3	7.3	7.3	.24	.19	.22	-.05	-.02
23:00	7.0	7.2	7.1	7.1	.20	.10	.08	-.10	-.12
Avg	4.2	4.4	4.4	4.4	.16	.11	.12	-.04	-.03
Max	10.6	9.9	9.6	9.4	1.71	2.27	2.66	.56	.95
Hr. of Max	15	15	16	16	07	07	07	07	07
Min	-3.8	-2.1	-1.5	-1.1	-1.07	-1.44	-1.66	-.41	-.59
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)

1/28/2017

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	-3.3	-5.8	-2.3	7.3	79.6	64.1	3.8	3.2	0.003032
01:00	-3.2	-5.1	-2.2	7.2	80.7	66.0	3.8	3.3	0.003063
02:00	-3.7	-4.8	-2.4	7.1	76.0	64.8	3.7	3.4	0.002967
03:00	-4.4	-5.4	-2.7	7.0	68.5	59.8	3.5	3.2	0.002805
04:00	-7.1	-7.7	-4.6	6.9	57.8	54.6	2.9	2.7	0.002281
05:00	-6.8	-7.8	-5.1	6.8	68.3	58.9	2.9	2.7	0.002333
06:00	-5.9	-7.3	-4.9	6.6	80.6	64.8	3.2	2.8	0.002493
07:00	-6.2	-7.0	-5.4	6.5	83.8	69.4	3.1	2.9	0.002443
08:00	-5.6	-7.2	-4.6	6.3	80.3	64.6	3.2	2.8	0.002558
09:00	-5.6	-6.8	-3.3	6.2	60.5	57.2	3.2	2.9	0.002556
10:00	-6.6	-7.7	-3.2	6.1	47.6	46.3	2.9	2.7	0.002381
11:00	-6.6	-7.8	-2.5	6.1	41.3	40.3	2.9	2.7	0.00238
12:00	-6.7	-7.9	-2.1	6.1	37.0	36.3	2.9	2.6	0.002373
13:00	-6.9	-7.9	-1.8	6.1	33.1	33.1	2.8	2.6	0.002345
14:00	-7.9	-8.9	-2.0	6.3	28.8	28.1	2.6	2.4	0.00219
15:00	-9.4	-10.4	-2.7	6.6	24.2	23.3	2.3	2.2	0.001956
16:00	-9.3	-10.2	-2.8	6.8	24.8	23.7	2.4	2.2	0.001959
17:00	-8.8	-9.5	-2.8	7.0	27.7	26.1	2.5	2.3	0.002045
18:00	-7.7	-8.4	-2.4	7.1	32.5	29.9	2.7	2.5	0.002218
19:00	-7.4	-8.1	-2.2	7.2	32.8	30.5	2.7	2.6	0.002268
20:00	-7.1	-8.0	-2.1	7.2	34.1	31.6	2.8	2.6	0.002306
21:00	-7.0	-7.8	-2.2	7.2	35.4	33.0	2.8	2.7	0.002326
22:00	-6.9	-7.6	-2.2	7.2	36.7	34.1	2.9	2.7	0.002352
23:00	-6.3	-6.9	-1.9	7.2	38.5	36.3	3.0	2.8	0.002452
Avg	-6.5	-7.6	-2.9	6.8	50.4	44.9	3.0	2.7	0.00242
Max	-3.2	-4.8	-1.8	7.3	83.8	69.4	3.8	3.4	0.003063
Hr. of Max	01	02	13	00	07	07	01	02	01
Min	-9.4	-10.4	-5.4	6.1	24.2	23.3	2.3	2.2	0.001956
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/28/2017

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	0.002531	4.8	4.0	.00	29.09	985.0	-2.8	.00	245.1
01:00	0.002657	4.8	4.2	.00	29.07	984.6	-2.6	.00	278.4
02:00	0.002721	4.7	4.3	.00	29.08	984.7	-2.3	.00	230.6
03:00	0.002593	4.4	4.1	.00	29.10	985.4	-2.5	.00	256.3
04:00	0.002187	3.6	3.5	.00	29.12	986.2	-2.7	.00	263.0
05:00	0.002152	3.7	3.4	.00	29.12	986.2	-2.5	.00	240.2
06:00	0.002239	3.9	3.5	.00	29.12	986.0	-2.7	.00	295.0
07:00	0.002297	3.9	3.6	.00	29.11	985.9	1.5	.00	294.1
08:00	0.002257	4.0	3.6	.00	29.11	985.9	148.1	.21	207.7
09:00	0.002328	4.0	3.7	.00	29.12	986.2	317.5	.46	213.1
10:00	0.002191	3.8	3.5	.00	29.11	985.9	475.4	.68	218.8
11:00	0.002178	3.8	3.4	.00	29.09	985.2	586.1	.84	217.4
12:00	0.002165	3.7	3.4	.00	29.05	983.9	642.4	.92	214.8
13:00	0.002176	3.7	3.4	.00	29.00	982.2	606.7	.87	219.2
14:00	0.002018	3.4	3.2	.00	28.97	981.2	561.1	.80	217.5
15:00	0.001799	3.1	2.8	.00	28.95	980.3	435.7	.62	229.5
16:00	0.001828	3.1	2.9	.00	28.94	980.1	273.4	.39	224.4
17:00	0.001939	3.2	3.0	.00	28.95	980.3	72.8	.10	233.2
18:00	0.002092	3.5	3.3	.00	28.96	980.8	-1.5	.00	235.4
19:00	0.002137	3.6	3.4	.00	28.98	981.3	-2.3	.00	230.7
20:00	0.002167	3.6	3.4	.00	28.97	981.2	-2.2	.00	222.4
21:00	0.002197	3.7	3.5	.00	28.97	981.2	-2.4	.00	227.2
22:00	0.00222	3.7	3.5	.00	28.98	981.4	-2.3	.00	234.6
23:00	0.00234	3.9	3.7	.00	28.99	981.8	-2.1	.00	248.7
Avg	0.002225	3.8	3.5	.00	29.04	983.5	170.4	.25	236.0
Max	0.002721	4.8	4.3	.00	29.12	986.2	642.4	.92	295.0
Hr. of Max	02	01	02	23	09	09	12	12	06
Min	0.001799	3.1	2.8	.00	28.94	980.1	-2.8	.00	207.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/28/2017

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	225.0	231.7	260.2	227.6	25.7	26.9	11.0	.7	1.0
01:00	247.0	232.8	245.7	228.8	12.4	7.1	5.8	1.1	3.3
02:00	239.1	231.8	231.4	228.1	10.5	7.0	5.2	3.8	6.6
03:00	266.3	268.7	255.5	263.1	22.3	17.0	14.9	4.4	6.7
04:00	275.6	278.3	262.1	272.6	20.8	16.7	13.9	5.9	8.6
05:00	255.6	265.1	243.7	259.9	13.7	12.8	8.9	2.2	4.0
06:00	218.2	207.1	282.2	203.0	18.3	12.2	5.9	.7	1.8
07:00	239.3	204.2	267.1	199.8	17.8	8.7	5.9	.8	2.4
08:00	240.8	218.0	224.7	213.8	23.7	6.2	5.2	1.1	3.2
09:00	227.4	224.6	216.2	219.7	19.0	16.7	15.4	3.6	4.5
10:00	225.9	223.0	219.4	218.8	21.7	17.6	14.0	7.0	8.9
11:00	224.7	223.1	217.7	218.4	24.5	21.2	18.3	7.3	9.3
12:00	221.7	221.3	216.0	217.3	24.6	19.3	16.0	7.9	10.2
13:00	224.1	223.8	220.0	219.3	23.9	20.6	17.2	9.1	11.6
14:00	223.9	222.6	217.6	218.5	25.6	19.9	15.6	9.7	12.9
15:00	236.0	235.2	229.5	231.2	21.7	18.3	15.7	9.1	12.1
16:00	230.0	228.1	224.8	224.4	20.8	15.0	11.2	10.6	14.4
17:00	239.6	237.0	233.4	232.9	18.3	14.5	11.4	9.1	12.4
18:00	241.2	238.3	236.2	234.2	17.8	13.1	9.9	7.3	10.8
19:00	238.5	236.4	231.5	232.2	17.8	13.2	10.0	7.3	10.6
20:00	226.9	222.8	222.6	218.7	17.9	13.4	10.0	6.0	8.9
21:00	232.0	227.5	228.8	223.5	18.6	12.5	9.1	5.2	8.2
22:00	239.0	235.2	235.6	231.2	18.4	11.6	8.3	5.5	8.6
23:00	257.9	258.5	248.5	253.5	19.9	14.6	11.9	6.2	8.7
Avg	237.0	232.0	236.0	228.0	19.8	14.8	11.3	.0	.0
Max	275.6	278.3	282.2	272.6	25.7	26.9	18.3	10.6	14.4
Hr. of Max	04	04	06	04	00	00	11	16	16
Min	218.2	204.2	216.0	199.8	10.5	6.2	5.2	.7	1.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/28/2017

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	2.1	.9	1.1	2.2	1.4	2.4	.2	-.4	.00
01:00	5.4	1.1	3.4	5.4	1.8	5.7	1.6	-1.1	.04
02:00	9.0	3.9	6.7	9.1	4.3	9.6	-.5	-.4	-.08
03:00	8.8	4.9	7.2	9.4	5.3	9.8	-1.4	-1.2	-.27
04:00	11.0	6.3	8.9	11.3	6.9	11.4	-.3	-1.3	-.24
05:00	5.8	2.4	4.3	6.0	2.8	6.2	.2	.0	-.05
06:00	3.6	.8	1.9	3.7	1.0	3.9	.4	-.9	.00
07:00	4.0	.8	2.4	4.0	1.1	4.3	-.1	-1.4	.00
08:00	5.0	1.2	3.3	5.0	1.6	5.3	3.6	-1.4	.05
09:00	5.4	3.8	4.6	5.5	4.2	6.0	3.8	1.1	.19
10:00	10.5	7.4	9.3	10.8	8.1	11.4	.7	-2.5	-.12
11:00	10.7	8.0	9.9	11.2	8.5	11.9	1.5	-1.7	.04
12:00	11.8	8.6	10.8	12.2	9.3	13.0	1.3	-2.7	-.02
13:00	14.1	9.9	12.3	14.7	10.4	15.6	1.7	1.0	.01
14:00	15.7	10.7	13.7	16.3	11.6	17.3	.8	.2	-.19
15:00	14.4	9.7	12.7	14.9	10.7	15.9	.8	-.7	-.15
16:00	17.7	11.3	14.8	18.0	12.1	19.0	1.9	-1.5	.03
17:00	15.5	9.5	12.8	15.7	10.3	16.6	-.1	-1.1	-.28
18:00	13.6	7.6	11.0	13.8	8.3	14.6	.0	-.8	-.19
19:00	13.2	7.6	10.8	13.5	8.3	14.2	2.2	-1.2	.06
20:00	11.3	6.3	9.1	11.4	6.9	12.1	1.7	-.8	.05
21:00	10.5	5.4	8.4	10.6	6.2	11.3	.4	-.8	-.15
22:00	10.9	5.8	8.8	11.0	6.1	11.6	1.4	-.7	-.01
23:00	10.6	6.6	9.2	11.1	7.2	11.7	-1.1	-1.3	-.35
Avg	.0	5.9	8.2	10.3	6.4	10.9	.9	-.9	-.07
Max	17.7	11.3	14.8	18.0	12.1	19.0	3.8	1.1	.19
Hr. of Max	16	16	16	16	16	16	09	09	09
Min	2.1	.8	1.1	2.2	1.0	2.4	-1.4	-2.7	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/28/2017

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	-.03	2.3	2.3	3.4	5.1	3.8	.4	.3
01:00	-.08	3.9	7.1	9.4	5.3	3.1	.6	.7
02:00	-.09	7.8	12.1	14.2	6.6	3.6	1.3	1.6
03:00	-.46	15.6	24.0	23.4	13.4	10.9	1.7	1.5
04:00	-.45	17.9	20.6	22.9	15.9	10.2	.6	.1
05:00	-.07	9.8	18.8	18.8	9.5	6.2	-.6	-.5
06:00	-.07	2.1	5.0	7.1	6.5	3.1	-1.5	-.8
07:00	-.11	2.7	4.1	6.2	8.0	3.6	-2.1	-1.2
08:00	-.13	4.4	8.5	11.4	11.9	3.1	-1.3	-1.1
09:00	.01	14.0	13.1	19.2	17.9	13.9	.7	.0
10:00	-.65	18.8	17.9	23.6	16.1	11.0	2.8	1.9
11:00	-.55	16.9	19.5	25.0	15.5	11.8	4.5	3.6
12:00	-.82	22.4	24.7	27.5	15.3	11.8	5.9	4.9
13:00	-.03	22.2	24.3	31.6	15.6	12.0	7.3	6.3
14:00	-.29	23.8	26.1	29.1	15.7	11.4	8.6	7.6
15:00	-.52	32.1	41.2	45.6	14.0	10.8	9.7	8.8
16:00	-.73	25.9	30.9	36.0	15.1	7.8	9.7	8.9
17:00	-.57	31.4	35.7	41.9	13.9	8.4	9.2	8.7
18:00	-.33	17.4	25.6	34.8	13.4	7.2	8.4	8.1
19:00	-.43	18.1	23.8	29.5	14.7	7.5	8.4	8.0
20:00	-.28	13.5	17.2	24.3	14.5	7.7	8.1	7.7
21:00	-.26	14.2	19.5	17.9	13.8	7.3	7.7	7.3
22:00	-.22	12.6	17.9	20.4	13.8	6.1	7.3	7.0
23:00	-.47	19.2	22.2	30.7	13.0	9.1	7.3	6.8
Avg	-.32	15.4	19.3	23.1	12.7	8.0	4.4	4.0
Max	.01	32.1	41.2	45.6	17.9	13.9	9.7	8.9
Hr. of Max	09	15	15	15	09	09	16	16
Min	-.82	2.1	2.3	3.4	5.1	3.1	-2.1	-1.2
Count	24	24	24	24	24	24	24	24
Total								