Date Printed: 01/10/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/9/2017

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	-7.7	-7.0	-6.8	-6.6	.69	.84	1.10	.15	.41
01:00	-6.7	-6.3	-6.3	-6.3	.41	.39	.35	-.02	-.06
02:00	-6.1	-6.1	-6.2	-6.3	.03	-.09	-.17	-.12	-.20
03:00	-6.1	-5.9	-6.0	-6.1	.13	.01	-.05	-.12	-.18
04:00	-5.9	-5.9	-6.0	-6.1	-.02	-.17	-.25	-.15	-.23
05:00	-5.9	-6.0	-6.1	-6.2	-.06	-.21	-.28	-.15	-.22
06:00	-6.1	-6.1	-6.1	-6.2	-.03	-.06	-.11	-.03	-.08
07:00	-6.7	-6.4	-6.3	-6.3	.26	.42	.42	.16	.17
08:00	-6.6	-6.4	-6.2	-6.1	.15	.39	.47	.23	.31
09:00	-4.2	-4.8	-5.1	-5.2	-.55	-.81	-.91	-.25	-.35
10:00	-1.4	-2.2	-2.5	-2.6	-.82	-1.10	-1.23	-.28	-.41
11:00	.8	-.1	-.4	-.6	-.87	-1.21	-1.37	-.34	-.50
12:00	2.6	1.6	1.2	1.1	-.94	-1.31	-1.48	-.36	-.54
13:00	4.0	3.1	2.8	2.6	-.95	-1.28	-1.44	-.33	-.49
14:00	4.9	4.2	3.9	3.7	-.68	-1.00	-1.19	-.32	-.50
15:00	5.0	4.6	4.4	4.2	-.35	-.63	-.78	-.27	-.43
16:00	4.4	4.4	4.2	4.1	-.06	-.26	-.36	-.20	-.30
17:00	3.4	3.6	3.6	3.6	.27	.21	.22	-.06	-.05
18:00	.0	2.5	2.8	3.0	2.44	2.76	2.98	.32	.55
19:00	-1.0	1.4	2.3	2.7	2.45	3.35	3.73	.89	1.27
20:00	-.4	1.8	2.5	2.8	2.19	2.86	3.13	.67	.94
21:00	2.4	2.9	2.8	2.8	.46	.40	.43	-.06	-.04
22:00	2.5	3.0	3.0	3.0	.50	.48	.52	-.02	.02
23:00	1.1	2.6	2.8	2.9	1.50	1.61	1.71	.11	.21
Avg	-1.4	-1.1	-1.2	-1.2	.26	.23	.23	-.02	-.03
Max	5.0	4.6	4.4	4.2	2.45	3.35	3.73	.89	1.27
Hr. of Max	15	15	15	15	19	19	19	19	19
Min	-7.7	-7.0	-6.8	-6.6	-.95	-1.31	-1.48	-.36	-.54
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)

1/9/2017

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	-11.0	-12.1	-9.9	3.1	77.2	67.2	2.2	2.0	0.001638
01:00	-10.7	-12.5	-9.3	3.1	73.6	61.9	2.2	1.9	0.001683
02:00	-11.9	-13.0	-10.0	3.1	63.8	58.2	2.0	1.8	0.001527
03:00	-11.6	-13.3	-9.8	3.1	65.1	56.3	2.0	1.8	0.001563
04:00	-12.2	-13.3	-10.1	3.0	61.4	56.4	2.0	1.8	0.001494
05:00	-12.0	-12.8	-10.0	3.0	62.4	58.8	2.0	1.9	0.001515
06:00	-11.1	-12.0	-9.4	3.0	68.1	63.7	2.1	2.0	0.00163
07:00	-10.6	-11.6	-9.3	3.0	73.8	67.0	2.2	2.0	0.001686
08:00	-10.8	-12.2	-9.4	3.0	72.4	64.2	2.2	2.0	0.001662
09:00	-11.0	-12.0	-8.8	3.0	59.6	57.4	2.1	2.0	0.001641
10:00	-11.3	-12.5	-8.0	3.0	47.4	45.9	2.1	1.9	0.00161
11:00	-12.0	-13.4	-7.7	3.0	38.1	36.4	1.9	1.7	0.001527
12:00	-12.1	-13.6	-7.2	3.0	33.6	31.8	1.9	1.7	0.001528
13:00	-12.1	-13.5	-6.7	3.0	30.2	28.8	1.9	1.7	0.001529
14:00	-12.8	-14.2	-6.9	3.0	26.9	25.2	1.8	1.6	0.001449
15:00	-13.7	-15.0	-7.5	3.0	24.9	23.0	1.7	1.5	0.001347
16:00	-12.9	-14.0	-7.1	3.1	27.7	25.4	1.8	1.7	0.00144
17:00	-12.6	-13.6	-7.3	3.1	30.5	27.5	1.9	1.7	0.00147
18:00	-9.2	-13.3	-6.1	3.2	50.4	30.7	2.4	1.8	0.001909
19:00	-7.6	-12.6	-5.4	3.2	61.2	34.8	2.8	1.9	0.002155
20:00	-7.7	-12.1	-5.3	3.3	58.7	35.5	2.7	1.9	0.002146
21:00	-11.3	-13.1	-6.8	3.3	36.0	30.3	2.0	1.8	0.001621
22:00	-11.3	-13.0	-6.7	3.3	35.6	30.0	2.0	1.8	0.001622
23:00	-9.2	-12.6	-5.8	3.4	46.8	32.0	2.4	1.9	0.001918
Avg	-11.2	-13.0	-7.9	3.1	51.1	43.7	2.1	1.8	0.001638
Max	-7.6	-11.6	-5.3	3.4	77.2	67.2	2.8	2.0	0.002155
Hr. of Max	19	07	20	23	00	00	19	09	19
Min	-13.7	-15.0	-10.1	3.0	24.9	23.0	1.7	1.5	0.001347
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)

1/9/2017

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	0.001503	2.6	2.4	.00	29.71	1006.2	-2.7	.00	62.8
01:00	0.001461	2.7	2.4	.00	29.71	1006.0	-2.4	.00	58.7
02:00	0.001395	2.5	2.3	.00	29.70	1005.9	-2.4	.00	59.2
03:00	0.001364	2.5	2.2	.00	29.71	1006.1	-2.1	.00	56.8
04:00	0.00137	2.4	2.2	.00	29.71	1006.1	-2.3	.00	54.8
05:00	0.001421	2.4	2.3	.00	29.71	1006.0	-2.3	.00	45.6
06:00	0.001521	2.6	2.5	.00	29.70	1005.8	-2.1	.00	161.2
07:00	0.001561	2.7	2.5	.00	29.70	1005.7	-.5	.00	261.1
08:00	0.001493	2.7	2.4	.00	29.70	1005.9	100.6	.14	215.8
09:00	0.001517	2.6	2.4	.00	29.71	1006.3	272.4	.39	190.8
10:00	0.001468	2.6	2.4	.00	29.71	1006.3	424.9	.61	218.4
11:00	0.001366	2.5	2.2	.00	29.70	1005.9	533.9	.77	222.4
12:00	0.001352	2.5	2.2	.00	29.65	1004.0	583.2	.84	219.0
13:00	0.001364	2.5	2.2	.00	29.60	1002.4	543.6	.78	215.9
14:00	0.001295	2.3	2.1	.00	29.57	1001.5	419.5	.60	214.5
15:00	0.001215	2.2	2.0	.00	29.57	1001.4	260.9	.37	210.9
16:00	0.001318	2.3	2.1	.00	29.58	1001.6	107.0	.15	219.9
17:00	0.001353	2.4	2.2	.00	29.57	1001.4	20.4	.03	224.4
18:00	0.001391	3.1	2.2	.00	29.57	1001.3	-2.5	.00	232.9
19:00	0.001462	3.5	2.3	.00	29.56	1001.1	-2.3	.00	149.2
20:00	0.001531	3.4	2.5	.00	29.57	1001.3	-2.5	.00	208.3
21:00	0.001411	2.6	2.3	.00	29.56	1000.9	-2.1	.00	235.1
22:00	0.001417	2.6	2.3	.00	29.54	1000.4	-2.4	.00	239.2
23:00	0.001472	3.1	2.4	.00	29.53	1000.0	-2.5	.00	238.3
Avg	0.001418	2.6	2.3	.00	29.64	1003.7	134.8	.20	205.0
Max	0.001561	3.5	2.5	.00	29.71	1006.3	583.2	.84	261.1
Hr. of Max	07	19	20	23	10	10	12	12	07
Min	0.001215	2.2	2.0	.00	29.53	1000.0	-2.7	.00	45.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/9/2017

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	51.0	55.6	4.2	46.1	37.7	26.0	10.2	.6	2.1
01:00	54.1	55.9	44.0	46.3	20.4	16.3	11.2	1.5	3.7
02:00	50.6	51.9	43.4	42.1	23.8	19.0	12.7	1.2	3.0
03:00	60.7	62.4	36.5	53.4	20.5	17.9	13.0	1.1	2.7
04:00	49.0	50.4	43.6	40.7	19.3	11.9	7.6	2.1	4.2
05:00	47.9	58.3	26.0	49.3	25.5	17.2	8.8	1.5	3.1
06:00	331.4	89.8	259.2	97.5	53.8	27.1	24.4	.2	.2
07:00	263.7	170.1	261.7	222.3	30.7	22.1	22.4	.8	.7
08:00	253.2	251.2	226.6	245.5	12.5	9.1	10.1	.5	1.0
09:00	210.6	217.7	198.6	212.4	17.7	15.9	16.2	2.6	2.7
10:00	229.7	230.5	219.5	225.5	20.5	17.8	14.4	5.8	6.8
11:00	229.2	226.4	223.1	221.6	22.0	18.0	15.8	6.6	8.1
12:00	226.2	222.5	219.4	218.0	24.6	20.6	16.2	7.2	9.2
13:00	222.5	220.3	216.3	215.8	25.7	21.0	18.2	7.2	9.1
14:00	217.5	214.8	213.7	210.6	27.3	22.7	17.2	7.2	9.3
15:00	218.5	215.8	211.4	211.7	22.6	18.5	15.3	7.2	9.3
16:00	229.1	226.1	221.8	222.3	20.1	14.1	10.3	5.4	7.8
17:00	227.0	222.3	226.1	218.5	17.2	12.0	8.1	3.9	5.9
18:00	224.0	213.0	243.2	209.0	41.2	10.8	6.3	1.3	3.2
19:00	227.9	217.6	275.3	213.6	47.0	13.4	7.2	.4	3.0
20:00	224.5	206.0	244.8	201.7	49.7	14.3	10.9	1.4	3.9
21:00	225.2	207.8	237.8	203.1	20.2	16.4	14.0	3.2	4.8
22:00	236.2	223.6	240.9	219.4	17.1	12.2	10.2	3.6	5.7
23:00	244.0	232.8	238.5	228.9	14.4	9.5	7.7	3.2	5.4
Avg	233.0	205.0	241.0	207.0	26.3	16.8	12.9	.0	.0
Max	331.4	251.2	275.3	245.5	53.8	27.1	24.4	7.2	9.3
Hr. of Max	06	08	19	08	06	06	06	15	15
Min	47.9	50.4	4.2	40.7	12.5	9.1	6.3	.2	.2
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)

1/9/2017

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	4.2	1.1	2.4	4.4	1.4	4.6	-1.7	-.2	-.06
01:00	4.7	1.7	3.9	4.8	1.8	5.1	.1	-.5	-.07
02:00	4.1	1.4	3.2	4.3	1.7	4.5	.2	-.3	-.07
03:00	3.6	1.2	2.8	3.7	1.5	3.9	.0	1.8	-.05
04:00	5.6	2.2	4.3	5.7	2.4	6.0	-.6	-1.3	-.17
05:00	4.0	1.6	3.2	4.0	1.8	4.2	-1.0	-1.8	-.11
06:00	.3	.4	.3	.3	1.1	.6	-2.0	-2.8	-.04
07:00	.4	1.0	.8	.4	1.4	.7	1.0	1.8	.02
08:00	1.7	.6	1.0	1.8	1.2	1.9	.9	-1.0	.02
09:00	3.0	2.8	2.9	3.1	3.2	3.4	-.9	-6.1	-.04
10:00	8.0	6.2	7.2	8.2	6.6	8.8	1.1	-.9	-.07
11:00	9.3	7.1	8.5	9.6	7.8	10.2	1.2	.3	-.06
12:00	10.6	7.8	9.8	11.0	8.5	11.8	2.3	-.9	.08
13:00	10.3	8.0	9.7	10.8	8.7	11.5	1.5	1.4	.03
14:00	11.0	8.1	10.1	11.6	8.7	12.3	2.3	.3	.08
15:00	11.0	7.7	9.8	11.3	8.3	11.9	2.1	.1	.08
16:00	9.6	5.7	8.0	9.7	6.3	10.4	1.5	-1.1	.01
17:00	7.7	4.0	6.0	7.8	4.4	8.3	.4	-1.6	-.09
18:00	5.4	1.4	3.3	5.4	1.7	5.7	-.5	-1.2	-.04
19:00	5.7	.9	3.2	5.8	1.3	6.2	2.0	-.4	.04
20:00	6.4	1.8	4.0	6.5	2.2	6.8	1.2	-1.5	-.01
21:00	6.5	3.4	5.0	6.7	3.9	7.1	-2.6	-3.2	-.22
22:00	7.3	3.8	6.0	7.6	4.3	8.1	-1.6	-2.4	-.18
23:00	7.3	3.3	5.5	7.4	3.7	7.8	.0	-1.3	-.04
Avg	.0	3.5	5.0	6.3	3.9	6.7	.3	-1.0	-.04
Max	11.0	8.1	10.1	11.6	8.7	12.3	2.3	1.8	.08
Hr. of Max	15	14	14	14	14	14	14	07	15
Min	.3	.4	.3	.3	1.1	.6	-2.6	-6.1	-.22
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/9/2017

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	-.03	3.4	6.6	9.2	13.3	5.7	-6.9	-6.8
01:00	-.09	5.7	7.3	8.2	16.3	6.4	-6.3	-6.6
02:00	-.08	5.0	12.8	12.6	20.6	7.7	-6.0	-6.5
03:00	.06	3.4	6.2	6.6	18.7	8.0	-5.9	-6.4
04:00	-.18	6.6	11.7	13.1	19.4	6.5	-5.9	-6.4
05:00	-.17	6.0	9.4	12.4	20.9	8.1	-5.9	-6.4
06:00	-.05	2.1	3.7	4.4	13.4	14.4	-6.1	-6.4
07:00	.02	3.0	2.1	2.1	5.5	7.9	-6.4	-6.5
08:00	-.03	3.2	3.7	3.9	8.3	4.8	-6.4	-6.4
09:00	-.27	6.9	7.3	10.1	18.6	15.6	-4.8	-5.5
10:00	-.29	14.2	15.6	16.9	15.5	13.2	-2.4	-3.1
11:00	-.18	17.4	22.0	20.8	16.3	13.7	-.3	-1.2
12:00	-.35	22.0	21.8	24.5	16.4	11.7	1.3	.4
13:00	.00	17.2	21.1	20.6	15.2	14.4	2.8	2.0
14:00	-.19	20.8	23.8	24.0	16.1	13.1	4.0	3.2
15:00	-.25	18.8	24.0	22.9	14.6	11.6	4.4	3.7
16:00	-.29	14.9	18.3	17.4	15.1	7.9	4.2	3.6
17:00	-.28	16.0	19.2	22.2	12.6	6.0	3.6	3.2
18:00	-.13	5.0	6.6	11.9	6.9	3.3	2.4	2.7
19:00	-.06	3.0	6.6	13.1	10.3	3.9	1.2	2.4
20:00	-.26	10.3	12.1	14.9	13.3	8.3	1.7	2.4
21:00	-.47	8.5	10.1	15.3	12.6	9.6	2.8	2.4
22:00	-.37	7.8	11.2	12.4	11.0	6.9	2.9	2.7
23:00	-.20	7.3	13.1	17.9	8.3	5.2	2.6	2.5
Avg	-.17	9.5	12.3	14.1	14.1	8.9	-1.2	-1.5
Max	.06	22.0	24.0	24.5	20.9	15.6	4.4	3.7
Hr. of Max	03	12	15	12	05	09	15	15
Min	-.47	2.1	2.1	2.1	5.5	3.3	-6.9	-6.8
Count	24	24	24	24	24	24	24	24
Total								