Date Printed: 09/29/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2016

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	12.6	14.9	15.2	16.3	2.23	2.60	3.63	.37	1.40
01:00	12.0	14.1	14.5	15.8	2.05	2.49	3.78	.44	1.73
02:00	10.9	13.0	13.6	15.0	2.10	2.71	4.06	.61	1.96
03:00	9.9	11.9	12.6	13.5	2.02	2.77	3.67	.75	1.65
04:00	9.1	11.0	11.7	12.4	1.86	2.61	3.29	.75	1.43
05:00	8.6	10.2	11.0	11.8	1.60	2.37	3.16	.77	1.56
06:00	8.4	9.9	10.4	11.4	1.52	2.06	3.07	.54	1.56
07:00	8.2	9.5	10.0	10.9	1.38	1.87	2.76	.49	1.38
08:00	10.5	10.5	10.6	10.9	-.01	.15	.45	.16	.46
09:00	14.3	13.9	13.7	13.6	-.42	-.65	-.69	-.23	-.27
10:00	18.6	17.9	17.5	17.4	-.71	-1.07	-1.20	-.36	-.49
11:00	21.8	20.7	20.3	20.2	-1.13	-1.53	-1.68	-.40	-.54
12:00	23.9	22.8	22.4	22.3	-1.04	-1.42	-1.53	-.38	-.49
13:00	25.7	24.3	23.9	23.8	-1.37	-1.80	-1.92	-.43	-.55
14:00	26.7	25.3	24.9	24.8	-1.38	-1.79	-1.90	-.41	-.51
15:00	27.5	26.1	25.7	25.6	-1.32	-1.71	-1.85	-.39	-.53
16:00	27.5	26.5	26.1	25.9	-1.03	-1.42	-1.62	-.39	-.59
17:00	27.1	26.6	26.3	26.2	-.52	-.81	-.95	-.29	-.43
18:00	26.0	26.1	25.9	25.9	.11	-.07	-.08	-.17	-.19
19:00	21.0	23.6	24.2	24.7	2.57	3.21	3.65	.65	1.08
20:00	18.3	20.8	22.0	23.1	2.54	3.68	4.76	1.15	2.22
21:00	19.1	20.6	21.2	22.1	1.52	2.06	2.96	.54	1.44
22:00	19.9	20.3	20.2	20.2	.37	.27	.25	-.10	-.11
23:00	18.5	19.1	19.0	19.0	.60	.53	.52	-.07	-.08
Avg	17.8	18.3	18.5	18.9	.56	.71	1.11	.15	.55
Max	27.5	26.6	26.3	26.2	2.57	3.68	4.76	1.15	2.22
Hr. of Max	16	17	17	17	19	20	20	20	20
Min	8.2	9.5	10.0	10.9	-1.38	-1.80	-1.92	-.43	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2016

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	8.6	7.8	10.0	23.9	77.4	63.3	8.5	8.0	0.007178
01:00	8.7	7.9	9.8	23.7	80.8	67.2	8.5	8.1	0.007197
02:00	8.2	8.2	9.1	23.4	84.4	73.8	8.3	8.3	0.006976
03:00	7.8	8.4	8.5	23.1	87.8	80.0	8.1	8.4	0.006772
04:00	7.4	8.1	8.0	22.8	90.2	83.3	7.9	8.2	0.006606
05:00	7.2	8.2	7.7	22.5	91.7	87.9	7.8	8.3	0.006501
06:00	7.0	8.2	7.5	22.2	92.4	90.3	7.7	8.3	0.006431
07:00	6.9	8.2	7.3	21.9	92.8	92.3	7.7	8.3	0.006368
08:00	8.3	7.9	9.0	21.6	87.6	85.2	8.4	8.2	0.007028
09:00	9.7	8.2	11.2	21.4	74.9	69.8	9.1	8.3	0.007723
10:00	9.8	8.9	12.7	21.2	58.0	56.8	9.1	8.5	0.007829
11:00	8.6	7.8	13.0	21.3	43.8	44.4	8.3	7.9	0.007252
12:00	5.8	5.0	11.8	21.5	32.1	32.4	6.9	6.5	0.00602
13:00	5.4	4.6	12.2	22.0	27.9	28.7	6.6	6.3	0.005853
14:00	5.5	5.0	12.6	22.5	26.7	27.9	6.7	6.5	0.005929
15:00	5.5	5.0	12.8	23.0	25.5	26.4	6.7	6.4	0.005938
16:00	5.9	5.3	13.1	23.3	26.1	26.5	6.9	6.6	0.0061
17:00	6.0	5.5	13.0	23.6	26.8	26.7	6.9	6.7	0.006123
18:00	6.7	6.0	13.2	23.7	30.2	28.4	7.3	6.9	0.00643
19:00	9.6	7.1	13.4	23.8	49.3	35.5	8.9	7.5	0.007734
20:00	9.9	8.0	12.7	23.8	59.2	44.6	9.2	8.0	0.007899
21:00	10.1	8.7	13.1	23.7	57.2	47.3	9.2	8.4	0.007989
22:00	10.8	10.5	13.9	23.5	56.8	54.5	9.7	9.5	0.00839
23:00	11.6	11.4	13.9	23.4	65.5	62.1	10.2	10.0	0.008812
Avg	8.0	7.5	11.2	22.8	60.2	55.6	8.1	7.8	0.006962
Max	11.6	11.4	13.9	23.9	92.8	92.3	10.2	10.0	0.008812
Hr. of Max	23	23	23	00	07	07	23	23	23
Min	5.4	4.6	7.3	21.2	25.5	26.4	6.6	6.3	0.005853
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)

9/28/2016

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	0.006789	11.2	10.6	.00	29.03	983.1	-1.9	.00	40.0
01:00	0.006838	11.2	10.7	.00	29.03	983.0	-2.2	.00	349.9
02:00	0.006996	10.9	10.9	.00	29.03	983.1	-2.2	.00	332.5
03:00	0.007058	10.6	11.0	.00	29.03	983.1	-2.9	.00	289.3
04:00	0.006909	10.3	10.8	.00	29.03	983.2	-2.6	.00	302.5
05:00	0.006947	10.2	10.9	.00	29.04	983.3	-2.3	.00	290.7
06:00	0.006966	10.1	10.9	.00	29.04	983.5	-2.1	.00	303.4
07:00	0.00695	10.0	10.9	.00	29.04	983.6	11.0	.02	307.7
08:00	0.006819	11.0	10.7	.00	29.05	983.8	160.8	.23	221.0
09:00	0.007005	12.1	11.0	.00	29.05	983.9	390.0	.56	174.5
10:00	0.007337	12.2	11.5	.00	29.06	984.1	587.7	.84	173.3
11:00	0.006855	11.3	10.7	.00	29.05	983.8	730.6	1.05	179.8
12:00	0.005689	9.4	8.9	.00	29.03	983.2	819.4	1.17	160.3
13:00	0.005541	9.2	8.7	.00	29.02	982.7	848.2	1.22	211.4
14:00	0.005712	9.3	8.9	.00	29.00	982.1	822.1	1.18	223.2
15:00	0.005688	9.3	8.9	.00	28.99	981.6	730.1	1.05	230.2
16:00	0.005826	9.5	9.1	.00	28.98	981.3	580.9	.83	203.0
17:00	0.005904	9.6	9.2	.00	28.96	980.8	323.4	.46	195.8
18:00	0.006105	10.0	9.5	.00	28.96	980.8	99.6	.14	204.5
19:00	0.006549	12.0	10.2	.00	28.97	981.1	2.6	.00	288.9
20:00	0.006972	12.3	10.9	.00	28.98	981.5	-1.4	.00	340.3
21:00	0.007303	12.5	11.4	.00	29.00	981.9	-1.8	.00	271.1
22:00	0.008228	13.1	12.8	.00	29.02	982.8	-1.5	.00	285.0
23:00	0.008679	13.7	13.5	.00	29.04	983.4	-2.4	.00	273.0
Avg	0.006736	10.9	10.5	.00	29.02	982.7	253.5	.36	255.0
Max	0.008679	13.7	13.5	.00	29.06	984.1	848.2	1.22	349.9
Hr. of Max	23	23	23	23	10	10	13	13	01
Min	0.005541	9.2	8.7	.00	28.96	980.8	-2.9	.00	40.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2016

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	71.6	106.7	52.1	98.2	29.0	36.8	20.4	.9	1.9
01:00	64.0	45.5	333.7	17.7	19.9	27.4	22.0	.3	.8
02:00	63.4	46.2	326.2	325.0	29.8	15.5	39.7	.3	.8
03:00	145.9	134.4	287.3	200.0	17.5	47.4	28.1	.4	.0
04:00	58.8	160.7	300.6	190.6	13.5	26.6	22.8	.2	.6
05:00	46.1	127.5	288.0	167.4	45.5	32.5	40.4	.4	.3
06:00	73.2	57.9	292.3	39.8	26.3	37.6	12.4	.5	.4
07:00	52.0	40.2	289.9	19.7	12.0	43.6	8.8	.2	.3
08:00	236.5	116.7	226.7	219.5	18.2	15.3	32.0	1.2	.9
09:00	199.5	94.1	185.5	45.0	28.8	49.4	29.7	.6	.4
10:00	182.9	185.5	178.9	184.4	32.5	28.2	30.0	1.7	1.7
11:00	179.6	174.0	184.3	169.7	39.5	37.6	33.2	2.4	2.6
12:00	174.6	175.9	167.2	169.1	36.4	31.4	23.9	3.2	4.1
13:00	217.3	210.9	213.9	205.6	50.4	45.0	32.5	2.9	3.6
14:00	233.4	229.4	228.2	222.5	32.9	25.6	23.3	4.7	6.1
15:00	234.7	230.9	236.2	224.6	31.8	25.6	20.7	4.8	6.3
16:00	212.7	209.7	208.9	204.0	26.2	22.4	20.4	5.2	6.8
17:00	205.4	204.4	200.9	198.1	30.3	23.6	21.4	5.3	6.8
18:00	209.4	207.7	209.6	201.6	22.3	17.9	13.0	3.4	5.4
19:00	219.9	201.7	290.5	196.0	20.7	14.9	7.1	1.0	2.4
20:00	55.6	201.4	305.2	204.8	59.0	53.7	23.8	.4	.5
21:00	252.9	265.5	263.2	257.9	21.0	21.7	11.2	2.8	3.9
22:00	302.9	304.3	278.4	292.7	55.4	44.0	34.4	1.7	2.6
23:00	287.8	296.3	275.5	286.7	46.8	41.8	30.6	1.9	2.9
Avg	186.0	174.0	253.0	207.0	31.1	31.9	24.2	.0	.0
Max	302.9	304.3	333.7	325.0	59.0	53.7	40.4	5.3	6.8
Hr. of Max	22	22	01	02	20	20	05	17	17
Min	46.1	40.2	52.1	17.7	12.0	14.9	7.1	.2	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2016

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	.8	1.0	2.0	2.1	1.1	2.3	1.8	1.3	.02
01:00	1.9	.5	.8	2.0	.8	2.3	-.1	-.4	.00
02:00	.4	.4	.8	.4	.7	.7	.8	-.6	.01
03:00	.1	.4	.1	.1	.7	.5	-.3	-.8	-.01
04:00	.4	.3	.6	.6	.5	1.0	.0	-1.3	.00
05:00	.1	.6	.4	.6	1.0	.9	.5	-.1	.00
06:00	1.2	.6	.5	1.3	1.0	1.5	.8	.3	.02
07:00	1.3	.3	.3	1.3	.6	1.6	-.2	1.0	.00
08:00	.1	1.3	1.0	.4	1.7	.8	-.6	-.9	-.01
09:00	.2	.7	.5	.3	1.3	.8	.6	-5.3	.14
10:00	1.7	1.9	2.0	1.9	2.5	2.4	5.3	3.2	.29
11:00	2.7	2.8	3.1	3.1	3.5	3.7	.8	1.2	.08
12:00	4.8	4.2	4.9	5.4	5.0	6.0	-.8	-5.3	-.18
13:00	4.4	4.0	4.8	5.3	4.8	6.0	.4	-4.0	-.11
14:00	6.9	5.5	6.7	7.5	6.1	8.1	.1	-2.7	-.21
15:00	7.6	5.5	6.9	8.1	6.1	8.7	-.9	-2.8	-.24
16:00	8.2	5.8	7.4	8.7	6.5	9.3	2.0	1.0	.00
17:00	7.9	5.9	7.3	8.3	6.6	8.9	.2	3.0	-.10
18:00	7.4	3.7	5.7	7.6	4.3	8.0	2.0	-.6	.03
19:00	5.2	1.4	2.4	5.3	1.7	5.6	-.7	-.4	-.04
20:00	1.3	.5	.8	1.4	.8	1.6	1.6	-2.0	.02
21:00	6.8	3.1	4.4	7.4	3.4	7.5	-1.3	-.1	-.19
22:00	4.2	2.1	3.1	4.6	2.4	4.9	2.0	-1.8	-.07
23:00	3.7	2.3	3.2	4.0	2.6	4.3	-.9	-.1	-.15
Avg	.0	2.3	2.9	3.7	2.7	4.1	.5	-.8	-.03
Max	8.2	5.9	7.4	8.7	6.6	9.3	5.3	3.2	.29
Hr. of Max	16	17	16	16	17	16	10	10	10
Min	.1	.3	.1	.1	.5	.5	-1.3	-5.3	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/28/2016

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	.05	3.0	3.7	6.2	9.1	7.7	15.3	16.5
01:00	-.02	2.5	4.1	7.1	7.7	4.3	14.6	16.1
02:00	.00	1.8	2.1	1.8	6.5	5.8	13.5	15.3
03:00	-.01	1.6	1.4	1.1	6.9	8.2	12.4	13.9
04:00	-.02	2.1	1.8	2.5	7.6	9.1	11.4	12.7
05:00	.00	2.5	1.8	2.3	7.1	4.7	10.8	12.2
06:00	.02	4.1	2.7	3.4	7.2	4.4	10.4	11.8
07:00	.03	1.8	1.4	2.3	5.6	3.5	10.0	11.3
08:00	-.01	2.5	2.3	3.0	12.8	9.7	11.0	11.4
09:00	-.10	2.7	2.7	2.7	28.8	23.8	14.5	14.2
10:00	.23	5.7	6.4	6.4	27.7	28.9	18.4	17.6
11:00	.11	10.5	8.2	8.7	25.7	28.1	21.0	20.2
12:00	-.63	12.6	12.6	13.5	21.7	20.8	22.9	22.0
13:00	-.43	13.1	15.1	15.6	25.3	23.4	24.3	23.3
14:00	-.51	13.5	15.1	15.1	20.1	18.3	25.2	24.2
15:00	-.43	13.5	16.9	16.7	18.6	15.0	26.0	25.1
16:00	-.11	15.6	18.3	19.2	19.2	15.5	26.5	25.5
17:00	.07	23.8	17.2	24.5	17.7	16.7	26.7	25.9
18:00	-.22	14.2	18.1	22.4	16.5	10.6	26.2	25.8
19:00	-.05	4.1	8.0	19.0	7.7	4.6	23.8	24.6
20:00	-.06	2.3	2.3	4.8	7.1	9.5	21.2	23.1
21:00	-.19	13.7	17.9	21.1	11.0	7.4	21.1	22.2
22:00	-.36	13.3	17.6	19.7	23.7	20.4	20.9	20.5
23:00	-.14	6.9	8.5	9.4	17.7	19.0	19.8	19.4
Avg	-.12	7.8	8.6	10.4	15.0	13.3	18.7	19.0
Max	.23	23.8	18.3	24.5	28.8	28.9	26.7	25.9
Hr. of Max	10	17	16	17	09	10	17	17
Min	-.63	1.6	1.4	1.1	5.6	3.5	10.0	11.3
Count	24	24	24	24	24	24	24	24
Total								