Date Printed: 10/19/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2016

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	15.8	18.6	19.8	20.7	2.78	3.94	4.86	1.16	2.08
01:00	14.9	17.3	18.4	19.8	2.36	3.52	4.86	1.16	2.50
02:00	14.0	16.4	17.4	19.7	2.39	3.41	5.73	1.02	3.34
03:00	13.7	16.3	18.2	19.8	2.56	4.49	6.07	1.93	3.51
04:00	13.7	15.6	17.8	19.0	1.93	4.11	5.34	2.18	3.41
05:00	13.2	15.0	16.1	17.9	1.86	2.96	4.75	1.10	2.90
06:00	12.7	14.7	15.6	17.4	2.05	2.94	4.73	.89	2.68
07:00	12.6	14.4	15.6	17.3	1.80	3.00	4.71	1.20	2.91
08:00	13.5	14.8	16.3	17.8	1.37	2.82	4.36	1.45	2.99
09:00	18.3	18.3	18.7	19.0	.03	.39	.69	.36	.67
10:00	21.6	20.9	20.6	20.5	-.68	-1.02	-1.08	-.34	-.40
11:00	24.7	23.5	23.1	23.0	-1.16	-1.58	-1.72	-.42	-.56
12:00	27.3	26.1	25.7	25.5	-1.22	-1.62	-1.79	-.41	-.57
13:00	28.6	27.5	27.1	26.9	-1.18	-1.55	-1.73	-.37	-.55
14:00	29.2	28.2	27.8	27.6	-.99	-1.39	-1.53	-.40	-.55
15:00	29.2 P	28.4 P	28.1 P	28.0 P	P	P	P	P	P
16:00	29.6	28.9	28.5	28.4	-.70	-1.06	-1.22	-.36	-.51
17:00	29.4	29.0	28.8	28.7	-.37	-.63	-.74	-.26	-.37
18:00	27.8	28.1	28.0	27.9	.27	.14	.12	-.13	-.15
19:00	23.4	25.9	26.5	26.7	2.53	3.09	3.30	.56	.77
20:00	21.2	24.0	24.9	25.4	2.83	3.70	4.25	.87	1.41
21:00	20.1	22.7	23.9	24.6	2.63	3.84	4.47	1.21	1.84
22:00	18.9	21.4	22.5	23.7	2.45	3.58	4.82	1.13	2.37
23:00	18.5	20.6	21.6	23.3	2.17	3.12	4.87	.95	2.70
Avg	20.5	21.5	22.1	22.9	1.12	1.75	2.53	.63	1.41
Max	29.6	29.0	28.8	28.7	2.83	4.49	6.07	2.18	3.51
Hr. of Max	16	17	17	17	20	03	03	04	03
Min	12.6	14.4	15.6	17.3	-1.22	-1.62	-1.79	-.42	-.57
Count	24	24	24	24	23	23	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2016

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	12.9	13.6	13.9	21.4	84.2	73.8	11.2	11.6	0.009594
01:00	12.6	13.5	13.4	21.2	87.5	80.2	11.0	11.6	0.009378
02:00	12.2	13.6	12.8	21.1	90.0	84.8	10.7	11.7	0.009106
03:00	12.2	13.7	12.7	20.9	91.9	85.9	10.8	11.7	0.009131
04:00	12.2	13.5	12.7	20.7	92.3	88.9	10.8	11.6	0.009132
05:00	11.8	13.5	12.2	20.5	92.8	92.3	10.5	11.7	0.00888
06:00	11.3	13.6	11.8	20.3	92.8	94.3	10.2	11.7	0.008613
07:00	11.2	13.4	11.7	20.2	92.8	95.7	10.1	11.6	0.008543
08:00	11.9	13.6	12.4	20.0	91.9	94.1	10.6	11.8	0.00896
09:00	14.0	13.6	15.4	19.9	77.9	75.6	12.0	11.6	0.010301
10:00	14.4	14.2	16.8	19.8	64.9	66.5	12.1	12.0	0.010582
11:00	14.9	14.6	18.1	19.9	55.6	58.6	12.4	12.2	0.010937
12:00	15.0	14.8	19.1	20.0	48.3	51.2	12.4	12.3	0.011071
13:00	14.8	14.8	19.4	20.3	44.1	47.1	12.2	12.3	0.010953
14:00	14.5	14.5	19.4	20.8	41.9	44.4	12.0	12.0	0.010729
15:00	P	P	P	21.2 P	40.9 P	42.5 P	P	P	P
16:00	13.8	13.8	19.1	21.6	39.2	40.6	11.5	11.4	0.010289
17:00	13.0	12.9	18.5	21.9	37.6	38.2	10.9	10.9	0.009783
18:00	13.8	13.7	18.5	22.1	43.5	42.6	11.5	11.5	0.010294
19:00	14.5	14.7	17.4	22.2	58.6	51.4	12.1	12.3	0.01066
20:00	14.6	15.0	16.8	22.2	67.5	58.4	12.3	12.5	0.01075
21:00	14.7	15.1	16.5	22.1	72.5	63.5	12.4	12.7	0.010793
22:00	14.5	15.0	16.0	22.0	77.1	68.6	12.3	12.6	0.010669
23:00	14.4	15.0	15.8	21.9	78.7	71.7	12.3	12.7	0.010576
Avg	13.4	14.1	15.7	21.0	69.4	67.1	11.5	11.9	0.009988
Max	15.0	15.1	19.4	22.2	92.8	95.7	12.4	12.7	0.011071
Hr. of Max	12	21	14	20	07	07	21	23	12
Min	11.2	12.9	11.7	19.8	37.6	38.2	10.1	10.9	0.008543
Count	23	23	23	24	24	24	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2016

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	0.010032	15.0	15.6	.00	29.07	984.4	-2.0	.00	104.2
01:00	0.009997	14.6	15.6	.00	29.06	984.3	-2.0	.00	137.7
02:00	0.010013	14.2	15.6	.00	29.07	984.4	-2.1	.00	237.0
03:00	0.010067	14.2	15.7	.00	29.07	984.5	-2.5	.00	229.8
04:00	0.009965	14.2	15.5	.00	29.07	984.5	-2.9	.00	225.5
05:00	0.009967	13.9	15.5	.00	29.08	984.8	-2.5	.00	108.5
06:00	0.009999	13.5	15.6	.00	29.09	985.2	-1.9	.00	140.5
07:00	0.009908	13.4	15.5	.00	29.10	985.6	1.0	.00	164.8
08:00	0.01002	14.0	15.6	.00	29.12	986.3	61.0	.09	100.7
09:00	0.010024	16.1	15.7	.00	29.14	986.8	256.3	.37	186.7
10:00	0.010409	16.5	16.2	.00	29.14	986.9	419.3	.60	226.8
11:00	0.010748	17.0	16.8	.00	29.14	986.7	613.9	.88	221.9
12:00	0.010933	17.2	17.0	.00	29.12	986.1	709.7	1.02	205.8
13:00	0.010926	17.1	17.0	.00	29.10	985.3	657.8	.94	221.9
14:00	0.010737	16.7	16.7	.00	29.07	984.5	541.3	.78	220.8
15:00	P	P	P	.00 P	29.06 P	984.1 P	392.3 P	.56 P	214.4 P
16:00	0.010248	16.0	15.9	.00	29.05	983.7	399.5	.57	215.1
17:00	0.00972	15.2	15.1	.00	29.04	983.4	249.5	.36	206.2
18:00	0.010237	16.0	15.9	.00	29.04	983.5	42.4	.06	196.1
19:00	0.010885	16.6	16.9	.00	29.05	983.9	-1.1	.00	187.8
20:00	0.011055	16.7	17.2	.00	29.07	984.5	-2.8	.00	63.7
21:00	0.011113	16.8	17.3	.00	29.09	985.1	-2.4	.00	77.7
22:00	0.011038	16.6	17.2	.00	29.11	985.7	-2.0	.00	76.7
23:00	0.011027	16.5	17.2	.00	29.12	986.2	-2.2	.00	87.8
Avg	0.010394	15.6	16.2	.00	29.09	985.0	179.9	.26	176.0
Max	0.011113	17.2	17.3	.00	29.14	986.9	709.7	1.02	237.0
Hr. of Max	21	12	21	23	11	10	12	12	02
Min	0.00972	13.4	15.1	.00	29.04	983.4	-2.9	.00	63.7
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2016

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	19.5	243.0	188.4	257.0	8.3	22.5	7.7	.1	.3
01:00	244.0	237.4	266.8	251.9	26.6	18.7	5.1	.1	1.5
02:00	226.8	257.4	273.3	272.0	41.2	4.9	7.5	.6	3.9
03:00	235.8	267.2	249.7	281.7	23.1	23.3	13.9	3.1	4.1
04:00	228.4	252.0	245.9	266.7	6.7	8.6	4.7	3.5	4.5
05:00	226.7	232.2	279.0	246.8	25.5	7.7	7.2	.3	2.2
06:00	247.6	218.1	273.6	233.2	26.9	5.3	4.5	.1	1.4
07:00	249.5	236.7	260.7	251.3	29.3	6.3	3.8	.4	.8
08:00	218.1	241.7	84.9	256.3	25.9	11.0	6.7	.1	2.0
09:00	233.2	233.1	217.7	247.4	24.9	12.7	9.7	2.6	4.9
10:00	238.0	237.3	246.6	251.8	23.7	18.3	14.3	4.7	6.4
11:00	226.8	224.7	241.9	239.3	26.7	17.7	13.6	6.7	9.3
12:00	213.9	212.9	224.8	227.3	30.7	22.2	17.7	7.2	9.8
13:00	227.7	224.1	241.6	238.9	25.4	20.4	15.2	8.8	11.7
14:00	226.1	224.3	240.9	239.0	24.4	18.3	15.1	8.7	12.0
15:00	220.3 P	216.9 P	234.4 P	231.5 P	27.2 P	20.7 P	17.0 P	7.2 P	9.9 P
16:00	221.8	219.7	234.5	234.7	26.1	19.4	14.5	7.2	10.4
17:00	216.3	214.5	226.2	229.1	23.9	19.3	14.5	6.6	9.1
18:00	205.7	201.6	218.8	215.4	21.3	15.6	12.2	3.6	5.3
19:00	202.0	195.3	261.8	209.1	52.2	6.6	5.8	.6	3.9
20:00	223.9	202.4	343.1	216.3	33.5	26.9	8.9	.2	1.7
21:00	229.1	216.0	255.8	230.4	31.3	19.7	9.9	.3	.5
22:00	27.9	196.8	226.0	210.8	23.8	36.4	18.1	.2	.4
23:00	26.4	203.9	107.1	216.9	27.9	25.3	13.5	.1	.1
Avg	230.0	225.0	243.0	239.0	26.5	17.0	10.9	.0	.0
Max	249.5	267.2	343.1	281.7	52.2	36.4	18.1	8.8	12.0
Hr. of Max	07	03	20	03	19	22	22	13	14
Min	19.5	195.3	84.9	209.1	6.7	4.9	3.8	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2016

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	2.4	.1	.6	2.5	.6	2.6	3.1	.3	.04
01:00	3.9	.1	1.5	3.9	.8	4.1	3.7	1.1	.06
02:00	4.2	.8	3.9	4.3	1.4	4.5	1.5	1.1	.01
03:00	5.9	3.3	4.5	6.1	3.6	6.2	-1.5	3.1	-.11
04:00	6.0	3.5	4.6	6.0	3.9	6.2	-1.1	.5	-.10
05:00	3.2	.3	2.2	3.3	.8	3.5	1.0	-.1	.01
06:00	3.2	.1	1.5	3.2	.7	3.4	2.1	-.1	.03
07:00	4.4	.4	.8	4.4	1.1	4.6	2.1	.1	.03
08:00	5.0	.1	2.1	5.1	.7	5.3	4.7	.1	.07
09:00	7.0	2.8	5.0	7.1	3.3	7.6	1.4	-1.0	-.07
10:00	7.3	5.1	6.7	7.5	5.7	8.1	-.4	-1.6	-.23
11:00	11.0	7.3	9.8	11.3	8.0	12.1	.4	-2.0	-.21
12:00	11.8	8.2	10.6	12.3	8.9	13.1	.9	.4	-.11
13:00	14.0	9.9	12.6	14.7	10.6	15.5	-.7	-.4	-.47
14:00	14.1	9.4	12.5	14.6	10.2	15.5	.6	-.2	-.33
15:00	12.4 P	7.9 P	10.4 P	12.8 P	8.7 P	13.6 P	.9 P	-.3 P	-.15 P
16:00	13.0	7.9	10.9	13.4	8.8	14.2	.3	-.8	-.24
17:00	11.5	7.2	9.6	11.9	8.0	12.6	.2	-1.0	-.23
18:00	6.8	3.8	5.5	7.0	4.2	7.3	.9	.1	-.03
19:00	5.5	.8	3.9	5.5	1.4	5.7	.8	-.1	.01
20:00	4.3	.3	1.7	4.4	.8	4.6	3.1	.4	.04
21:00	2.6	.3	.5	2.6	.8	2.8	2.8	-.3	.04
22:00	.9	.2	.7	1.0	.7	1.3	1.3	-1.0	.02
23:00	1.0	.1	.2	1.1	.5	1.4	2.3	-1.4	.03
Avg	.0	3.3	5.1	6.9	3.9	7.3	1.3	-.1	-.08
Max	14.1	9.9	12.6	14.7	10.6	15.5	4.7	3.1	.07
Hr. of Max	14	13	13	13	13	14	08	03	08
Min	.9	.1	.2	1.0	.5	1.3	-1.5	-2.0	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/18/2016

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	.01	.9	4.4	7.1	9.5	4.5	19.5	21.4
01:00	.08	2.1	3.9	5.7	7.7	2.5	18.1	20.5
02:00	.08	3.4	6.6	7.1	9.2	3.7	17.3	20.5
03:00	.33	6.0	7.6	12.1	5.7	7.5	17.1	20.5
04:00	.04	6.0	8.9	9.8	3.9	3.5	16.5	19.7
05:00	-.01	4.4	8.0	8.2	6.5	2.2	15.8	18.6
06:00	-.01	1.1	3.2	6.0	7.2	2.0	15.6	18.2
07:00	.00	2.1	3.4	6.4	6.3	1.9	15.2	18.1
08:00	.00	1.6	5.0	10.1	10.5	4.2	15.7	18.5
09:00	-.18	11.0	14.2	12.1	16.2	7.0	19.2	19.4
10:00	-.46	11.9	13.3	14.0	16.3	12.6	21.7	20.9
11:00	-.57	18.8	21.5	20.8	16.3	10.1	24.3	23.3
12:00	-.20	20.8	23.1	25.6	18.1	13.7	26.7	25.7
13:00	-.43	24.7	26.8	38.7	16.5	12.1	28.1	27.1
14:00	-.32	32.7	38.7	37.8	17.6	10.9	28.8	27.8
15:00	-.28 P	<	<	<	<	<	29.0 P	28.2 P
16:00	-.45	21.5	20.6	22.2	17.3	10.6	29.4	28.6
17:00	-.38	16.9	20.2	24.7	15.9	9.8	29.6	28.9
18:00	-.07	9.8	12.8	26.3	14.9	9.0	28.8	28.3
19:00	-.03	7.8	8.7	9.4	12.5	4.5	26.7	27.2
20:00	.02	2.1	5.5	11.4	13.3	6.3	24.8	26.1
21:00	-.02	2.5	2.3	5.3	7.5	5.4	23.6	25.2
22:00	-.02	2.1	3.2	5.5	7.7	8.4	22.3	24.4
23:00	-.03	1.8	1.1	3.0	7.6	8.5	21.6	24.0
Avg	-.12	9.2	11.4	14.3	11.5	7.0	22.3	23.4
Max	.33	32.7	38.7	38.7	18.1	13.7	29.6	28.9
Hr. of Max	03	14	14	13	12	12	17	17
Min	-.57	.9	1.1	3.0	3.9	1.9	15.2	18.1
Count	24	23	23	23	23	23	24	24
Total								