Date Printed: 10/30/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2016

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	10.5	12.7	13.4	14.8	2.21	2.83	4.29	.62	2.08
01:00	9.8	11.8	12.6	13.9	2.06	2.83	4.10	.77	2.05
02:00	9.5	11.2	11.9	13.3	1.72	2.39	3.76	.68	2.05
03:00	9.4	11.0	11.5	12.6	1.64	2.08	3.22	.44	1.58
04:00	9.0	10.5	10.9	11.9	1.56	1.96	2.91	.41	1.36
05:00	8.1	9.8	10.4	11.3	1.73	2.30	3.19	.57	1.46
06:00	8.0	9.6	10.0	10.8	1.56	1.97	2.73	.41	1.17
07:00	7.8	9.5	9.7	10.2	1.64	1.93	2.44	.29	.80
08:00	8.4	9.5	9.6	10.3	1.02	1.20	1.87	.18	.84
09:00	11.7	11.4	11.4	11.8	-.29	-.31	.15	-.02	.45
10:00	15.9	15.5	15.3	15.2	-.43	-.65	-.70	-.22	-.27
11:00	20.1	19.4	19.1	18.9	-.70	-.99	-1.13	-.29	-.43
12:00	23.4	22.3	22.0	21.9	-1.10	-1.42	-1.50	-.33	-.41
13:00	26.0	24.9	24.5	24.4	-1.14	-1.50	-1.67	-.37	-.53
14:00	27.6	26.4	26.0	25.9	-1.19	-1.51	-1.67	-.32	-.48
15:00	28.2	27.2	26.8	26.7	-1.04	-1.39	-1.52	-.35	-.48
16:00	28.4	27.6	27.3	27.1	-.79	-1.13	-1.28	-.34	-.49
17:00	27.7	27.4	27.2	27.1	-.28	-.52	-.63	-.24	-.35
18:00	24.1	25.7	26.0	26.3	1.64	1.86	2.23	.22	.60
19:00	20.1	22.7	23.6	24.4	2.63	3.47	4.33	.84	1.70
20:00	17.8	20.6	21.5	23.2	2.73	3.67	5.38	.94	2.64
21:00	16.2	18.9	20.0	21.8	2.74	3.85	5.69	1.11	2.95
22:00	14.8	17.3	18.5	20.7	2.54	3.69	5.93	1.15	3.39
23:00	13.7	16.1	16.9	19.4	2.43	3.26	5.70	.83	3.27
Avg	16.5	17.5	17.8	18.5	.95	1.24	1.99	.29	1.04
Max	28.4	27.6	27.3	27.1	2.74	3.85	5.93	1.15	3.39
Hr. of Max	16	16	16	17	21	21	22	22	22
Min	7.8	9.5	9.6	10.2	-1.19	-1.51	-1.67	-.37	-.53
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)

10/29/2016

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	8.2	9.5	8.9	18.5	86.2	81.7	8.3	9.0	0.006884
01:00	7.8	9.4	8.5	18.3	88.6	86.5	8.1	9.0	0.006718
02:00	7.9	9.2	8.4	18.1	90.5	88.4	8.2	8.9	0.006758
03:00	7.9	9.2	8.4	17.9	91.6	89.6	8.2	8.9	0.006769
04:00	7.7	8.9	8.1	17.7	92.6	90.9	8.1	8.8	0.006662
05:00	6.7	8.7	7.2	17.5	92.3	94.2	7.6	8.6	0.006233
06:00	6.8	8.6	7.2	17.4	92.8	94.9	7.6	8.6	0.006254
07:00	6.7	8.4	7.0	17.2	93.4	94.0	7.6	8.4	0.006198
08:00	7.0	7.9	7.5	17.0	91.6	91.0	7.7	8.2	0.006342
09:00	8.7	7.9	9.7	16.8	82.9	80.2	8.6	8.1	0.007139
10:00	9.8	9.1	11.8	16.8	68.2	67.0	9.1	8.7	0.007705
11:00	9.7	9.2	13.1	16.8	52.2	52.8	9.0	8.7	0.007673
12:00	9.0	8.4	13.8	16.9	40.8	42.0	8.5	8.2	0.007351
13:00	8.3	8.1	14.2	17.0	33.2	35.2	8.0	8.0	0.007045
14:00	8.7	8.7	15.0	17.4	31.5	33.6	8.3	8.3	0.007295
15:00	8.3	8.0	14.9	17.8	29.3	30.5	8.0	7.9	0.00708
16:00	8.2	8.0	14.9	18.2	28.9	29.8	8.0	7.9	0.007052
17:00	8.4	8.2	14.9	18.5	30.5	30.4	8.1	8.0	0.007161
18:00	9.6	9.0	14.4	18.8	41.0	35.6	8.8	8.4	0.007689
19:00	10.0	9.8	13.4	19.0	53.3	44.8	9.2	9.0	0.007893
20:00	9.9	10.1	12.6	19.1	60.8	52.1	9.1	9.2	0.007819
21:00	9.7	10.1	11.8	19.0	66.6	57.9	9.1	9.3	0.007689
22:00	9.5	10.2	11.2	18.9	71.6	63.9	9.0	9.3	0.007562
23:00	9.3	10.2	10.8	18.8	76.0	68.8	8.9	9.3	0.007478
Avg	8.5	9.0	11.2	17.9	66.1	64.0	8.4	8.6	0.007102
Max	10.0	10.2	15.0	19.1	93.4	94.9	9.2	9.3	0.007893
Hr. of Max	19	23	14	20	07	06	19	23	19
Min	6.7	7.9	7.0	16.8	28.9	29.8	7.6	7.9	0.006198
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)

10/29/2016

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	0.007548	10.9	11.9	.00	29.31	992.6	-1.2	.00	125.1
01:00	0.007519	10.6	11.9	.00	29.31	992.7	-2.2	.00	99.8
02:00	0.007405	10.7	11.7	.00	29.31	992.5	-2.1	.00	75.4
03:00	0.00739	10.7	11.7	.00	29.31	992.7	-2.1	.00	74.4
04:00	0.007263	10.5	11.5	.00	29.32	992.8	-2.4	.00	85.8
05:00	0.007157	9.9	11.3	.00	29.32	993.0	-2.3	.00	110.7
06:00	0.007106	9.9	11.2	.00	29.34	993.5	-2.4	.00	86.1
07:00	0.006975	9.8	11.0	.00	29.34	993.6	-1.3	.00	76.6
08:00	0.006749	10.0	10.7	.00	29.35	994.0	67.0	.10	80.9
09:00	0.006767	11.3	10.7	.00	29.36	994.3	259.7	.37	105.4
10:00	0.007366	12.2	11.6	.00	29.36	994.3	435.3	.62	121.1
11:00	0.007422	12.1	11.7	.00	29.35	994.0	572.1	.82	169.0
12:00	0.007079	11.6	11.2	.00	29.33	993.3	643.7	.92	202.7
13:00	0.006971	11.1	11.0	.00	29.29	992.0	679.3	.97	223.7
14:00	0.007273	11.5	11.5	.00	29.25	990.7	648.0	.93	209.1
15:00	0.006933	11.1	10.9	.00	29.22	989.7	548.5	.79	213.6
16:00	0.006942	11.1	10.9	.00	29.21	989.1	385.8	.55	214.9
17:00	0.007029	11.3	11.0	.00	29.20	988.8	200.3	.29	196.8
18:00	0.007411	12.1	11.6	.00	29.20	988.8	23.3	.03	178.9
19:00	0.007791	12.4	12.2	.00	29.21	989.3	-2.6	.00	69.4
20:00	0.007943	12.3	12.5	.00	29.23	989.8	-2.1	.00	88.3
21:00	0.007942	12.1	12.5	.00	29.24	990.1	-2.0	.00	103.9
22:00	0.007937	11.9	12.5	.00	29.24	990.4	-1.8	.00	106.7
23:00	0.007925	11.8	12.5	.00	29.25	990.5	-2.2	.00	90.8
Avg	0.007327	11.2	11.6	.00	29.29	991.8	184.8	.27	122.0
Max	0.007943	12.4	12.5	.00	29.36	994.3	679.3	.97	223.7
Hr. of Max	20	19	23	23	10	10	13	13	13
Min	0.006749	9.8	10.7	.00	29.20	988.8	-2.6	.00	69.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2016

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	108.0	46.5	231.6	37.5	26.1	26.7	31.9	.1	.2
01:00	50.6	122.2	324.3	37.2	37.7	29.8	33.6	.2	.4
02:00	51.8	44.2	61.5	40.6	27.4	7.8	21.1	.9	1.4
03:00	59.7	60.9	65.4	51.5	19.6	7.2	6.0	.8	2.6
04:00	68.6	59.1	56.6	50.0	25.4	11.6	4.8	.8	2.0
05:00	52.5	49.0	246.0	38.6	46.8	36.5	13.5	.1	.7
06:00	75.6	47.1	28.7	37.2	22.1	6.8	10.9	.6	1.6
07:00	60.6	59.4	60.2	50.2	17.8	14.9	3.7	.5	1.9
08:00	55.8	53.0	69.9	43.5	8.2	8.1	2.6	1.0	1.8
09:00	65.6	47.9	114.6 +	37.7	13.7	28.9	8.1	.9	1.0
10:00	109.8	47.7	128.2	42.3	37.5	64.2	62.5	.7	.4
11:00	190.2	191.1	174.0	184.2	48.0	40.3	43.0	1.3	1.6
12:00	217.8	219.7	207.7	214.7	36.9	28.5	23.3	3.2	4.1
13:00	233.9	230.0	226.6	225.4	40.3	27.7	25.6	3.7	5.1
14:00	219.7	218.4	211.6	214.0	34.6	28.4	27.7	4.1	4.9
15:00	224.6	222.0	217.6	217.5	36.5	30.4	27.1	4.3	5.6
16:00	224.7	222.5	217.0	217.5	35.8	28.3	23.6	5.1	6.7
17:00	211.2	211.1	200.1	206.8	27.4	21.8	19.2	3.5	4.7
18:00	202.2	197.5	225.3	192.9	55.5	11.3	6.6	1.1	3.7
19:00	318.2	198.5	28.6	193.6	22.1	28.9	11.1	.2	.3
20:00	8.4	224.5	64.3	220.5	8.0	11.9	13.3	.0	.1
21:00	149.0	209.6	182.9	204.2	12.2	17.8	12.5	.0	.0
22:00	192.6	244.9	190.8	239.8	9.8	10.3	10.1	.0	.2
23:00	323.0	233.1	74.0	228.8	7.3	11.2	11.2	.0	.0
Avg	113.0	166.0	153.0	164.0	27.4	22.5	18.9	.0	.0
Max	323.0	244.9	324.3	239.8	55.5	64.2	62.5	5.1	6.7
Hr. of Max	23	22	01	22	18	10	10	16	16
Min	8.4	44.2	28.6	37.2	7.3	6.8	2.6	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2016

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	1.2	.1	.5	1.5	.7	1.7	2.3	.4	.04
01:00	.2	.3	.7	.2	.9	.4	3.0	-.1	.05
02:00	1.4	1.0	1.4	1.5	1.3	1.8	3.2	.2	.07
03:00	4.4	.8	2.7	4.5	1.1	4.7	1.6	-.2	.02
04:00	4.0	.9	2.1	4.1	1.2	4.2	1.6	.7	.01
05:00	1.2	.4	.8	1.4	1.0	1.6	2.6	.3	.04
06:00	2.1	.7	1.6	2.2	1.1	2.4	1.5	.8	.01
07:00	3.8	.5	2.0	3.8	.9	4.0	2.7	.3	.04
08:00	4.0	1.1	1.9	4.0	1.3	4.2	2.6	.0	.05
09:00	3.2	.9	1.1	3.2	1.4	3.4	.2	-2.0	.02
10:00	.4	.9	.7	.8	1.5	1.4	-4.3	-2.5	-.06
11:00	1.8	2.1	2.2	2.2	2.6	2.9	1.1	.2	.00
12:00	4.9	4.0	4.6	5.3	4.6	5.9	.5	-6.2	-.09
13:00	5.8	4.4	5.6	6.3	5.2	6.9	.6	-2.7	-.14
14:00	5.5	4.9	5.6	6.1	5.4	6.9	-2.7	-4.2	-.23
15:00	6.4	5.4	6.6	7.4	5.9	7.9	-.4	-2.8	-.21
16:00	7.8	5.7	7.3	8.3	6.3	8.9	1.5	.5	-.08
17:00	6.0	4.0	5.1	6.3	4.5	6.8	2.1	1.7	.08
18:00	6.1	1.3	3.8	6.2	1.9	6.5	1.7	1.5	.05
19:00	2.4	.3	.8	2.5	.6	2.7	1.8	-.2	.02
20:00	.8	.0	.1	.9	.3	1.1	2.1	.0	.02
21:00	1.6	.0	.0	1.8	.5	2.0	3.0	-.4	.04
22:00	2.0	.0	.2	2.1	.4	2.2	1.8	.0	.02
23:00	1.9	.0	.0	1.9	.3	2.1	2.0	-.5	.02
Avg	.0	1.7	2.4	3.5	2.1	3.9	1.3	-.6	-.01
Max	7.8	5.7	7.3	8.3	6.3	8.9	3.2	1.7	.08
Hr. of Max	16	16	16	16	16	16	02	17	17
Min	.2	.0	.0	.2	.3	.4	-4.3	-6.2	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/29/2016

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	.02	1.8	3.4	8.0	6.2	5.4	13.3	15.3
01:00	.00	1.6	2.7	1.6	7.7	3.4	12.4	14.3
02:00	.03	2.7	4.1	4.4	6.0	4.0	11.8	13.8
03:00	-.01	3.2	6.9	7.6	9.9	2.0	11.6	13.0
04:00	.06	3.9	6.2	7.6	9.1	2.6	11.1	12.3
05:00	.02	1.8	2.1	3.9	6.5	7.9	10.3	11.6
06:00	.03	2.5	4.6	4.8	8.8	7.9	10.1	11.2
07:00	.01	3.4	8.0	8.5	8.6	2.3	9.9	10.6
08:00	.00	2.1	3.4	6.9	8.2	2.5	10.0	10.7
09:00	-.14	2.5	3.0	8.7	21.0	8.4	12.1	12.3
10:00	.00	3.0	3.0	4.6	32.4	35.3	16.2	15.8
11:00	-.05	6.0	6.9	6.9	26.9	33.1	19.9	19.2
12:00	-.74	10.1	11.0	11.4	22.4	19.1	22.5	21.7
13:00	-.47	11.2	13.1	12.4	22.7	20.1	25.1	24.1
14:00	-.57	13.7	14.9	17.2	20.1	22.3	26.5	25.6
15:00	-.42	13.3	13.7	14.7	18.9	15.3	27.3	26.4
16:00	-.07	17.6	21.5	23.1	18.8	14.5	27.8	26.9
17:00	.07	11.2	13.3	14.2	16.8	12.6	27.7	27.0
18:00	.16	6.6	11.2	17.6	12.0	5.1	26.1	26.4
19:00	.01	2.3	4.8	15.6	8.3	9.5	23.1	24.6
20:00	.00	.0	1.4	3.2	6.7	6.3	21.0	23.5
21:00	-.01	.7	.5	3.7	7.8	4.3	19.4	22.2
22:00	.01	.7	1.1	3.2	5.6	4.1	17.8	21.1
23:00	-.02	.5	.9	4.4	5.3	2.4	16.6	19.9
Avg	-.09	5.1	6.7	8.9	13.2	10.4	17.9	18.7
Max	.16	17.6	21.5	23.1	32.4	35.3	27.8	27.0
Hr. of Max	18	16	16	16	10	10	16	17
Min	-.74	.0	.5	1.6	5.3	2.0	9.9	10.6
Count	24	24	24	24	24	24	24	24
Total								