Date Printed: 12/11/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/10/2016

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	-5.8	-3.4	-3.2	-3.1	2.44	2.67	2.70	.24	.26
01:00	-6.4	-4.2	-3.7	-3.5	2.23	2.73	2.91	.50	.68
02:00	-7.0	-5.3	-4.6	-3.9	1.75	2.40	3.11	.65	1.36
03:00	-7.4	-5.7	-5.2	-4.4	1.71	2.27	3.00	.56	1.29
04:00	-7.8	-6.2	-5.6	-4.9	1.60	2.17	2.95	.57	1.35
05:00	-8.1	-6.6	-6.0	-5.3	1.51	2.09	2.80	.59	1.29
06:00	-8.5	-6.9	-6.4	-5.5	1.53	2.03	2.98	.50	1.45
07:00	-8.6	-7.2	-6.8	-6.0	1.44	1.85	2.60	.41	1.16
08:00	-7.0	-6.6	-6.3	-5.7	.41	.70	1.27	.29	.86
09:00	-3.7	-4.0	-4.3	-4.3	-.29	-.53	-.53	-.24	-.24
10:00	-1.0	-1.6	-2.0	-2.2	-.59	-.96	-1.18	-.37	-.59
11:00	.3	-.3	-.7	-.9	-.64	-1.03	-1.21	-.39	-.57
12:00	1.6	.9	.6	.5	-.65	-.95	-1.05	-.30	-.40
13:00	3.0	2.2	1.8	1.7	-.80	-1.13	-1.29	-.33	-.49
14:00	3.6	3.0	2.7	2.5	-.62	-.94	-1.09	-.32	-.47
15:00	4.2	3.7	3.5	3.3	-.45	-.72	-.90	-.27	-.45
16:00	3.9	3.8	3.6	3.5	-.04	-.27	-.41	-.22	-.37
17:00	.6	2.8	3.2	3.3	2.18	2.58	2.63	.39	.45
18:00	-1.3	1.0	1.9	2.8	2.30	3.20	4.10	.90	1.80
19:00	-2.0	-.2	.4	1.6	1.84	2.42	3.59	.58	1.75
20:00	-3.0	-1.1	-.5	.6	1.89	2.51	3.60	.61	1.71
21:00	-3.4	-1.8	-1.2	-.2	1.62	2.21	3.14	.59	1.52
22:00	-3.8	-2.1	-1.6	-.4	1.76	2.23	3.47	.47	1.70
23:00	-4.5	-2.8	-1.9	-1.3	1.68	2.57	3.24	.89	1.55
Avg	-3.0	-2.0	-1.8	-1.3	.99	1.25	1.68	.26	.69
Max	4.2	3.8	3.6	3.5	2.44	3.20	4.10	.90	1.80
Hr. of Max	15	16	16	16	00	18	18	18	18
Min	-8.6	-7.2	-6.8	-6.0	-.80	-1.13	-1.29	-.39	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/10/2016

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	-8.0	-9.1	-7.3	5.5	84.9	65.2	2.7	2.5	0.002079
01:00	-8.4	-8.9	-7.8	5.4	85.9	70.2	2.6	2.5	0.002014
02:00	-8.9	-8.8	-8.2	5.3	87.1	76.5	2.5	2.5	0.001947
03:00	-9.2	-8.7	-8.6	5.2	87.9	79.7	2.5	2.6	0.001901
04:00	-9.5	-8.7	-8.9	5.1	88.3	83.0	2.4	2.6	0.001856
05:00	-9.7	-9.0	-9.2	5.0	88.5	83.7	2.4	2.5	0.001814
06:00	-10.1	-9.1	-9.6	4.9	88.3	84.7	2.3	2.5	0.001763
07:00	-10.3	-9.2	-9.7	4.8	88.0	85.6	2.3	2.5	0.001733
08:00	-9.0	-9.2	-8.4	4.7	85.8	82.2	2.5	2.5	0.00192
09:00	-7.3	-8.6	-6.1	4.7	76.4	70.8	2.8	2.6	0.002191
10:00	-7.6	-8.9	-5.4	4.6	61.4	57.9	2.8	2.5	0.002149
11:00	-8.6	-9.8	-5.6	4.6	51.5	49.2	2.5	2.3	0.001996
12:00	-9.6	-10.8	-5.9	4.6	43.5	41.5	2.3	2.1	0.001846
13:00	-9.9	-10.8	-5.6	4.6	38.7	38.0	2.3	2.1	0.001819
14:00	-10.5	-11.6	-5.8	4.6	35.2	33.8	2.2	2.0	0.001738
15:00	-10.4	-11.4	-5.6	4.7	34.1	32.5	2.2	2.0	0.001748
16:00	-10.7	-11.6	-5.8	4.8	34.1	31.9	2.1	2.0	0.001711
17:00	-8.1	-11.9	-5.2	4.9	52.7	33.3	2.6	1.9	0.002084
18:00	-7.6	-10.7	-5.5	5.0	62.4	42.0	2.8	2.2	0.002158
19:00	-7.8	-9.1	-5.9	5.0	64.7	51.5	2.7	2.5	0.002123
20:00	-7.5	-9.2	-6.0	5.0	71.4	54.4	2.8	2.4	0.002177
21:00	-7.6	-8.6	-6.2	5.0	72.9	60.0	2.8	2.6	0.00216
22:00	-7.6	-8.2	-6.4	5.0	75.3	63.3	2.8	2.6	0.002155
23:00	-7.5	-7.6	-6.5	4.9	79.9	70.1	2.8	2.8	0.002176
Avg	-8.8	-9.6	-6.9	4.9	68.3	60.0	2.5	2.4	0.001969
Max	-7.3	-7.6	-5.2	5.5	88.5	85.6	2.8	2.8	0.002191
Hr. of Max	09	23	17	00	05	07	23	23	09
Min	-10.7	-11.9	-9.7	4.6	34.1	31.9	2.1	1.9	0.001711
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)

12/10/2016

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	0.001919	3.3	3.1	.00	29.60	1002.5	-2.7	.00	71.9
01:00	0.001951	3.2	3.1	.00	29.61	1002.6	-2.9	.00	59.4
02:00	0.001954	3.1	3.1	.00	29.62	1002.9	-2.4	.00	275.8
03:00	0.001966	3.1	3.2	.00	29.61	1002.9	-2.7	.00	95.6
04:00	0.001974	3.0	3.2	.00	29.61	1002.7	-2.6	.00	86.2
05:00	0.001927	2.9	3.1	.00	29.62	1003.1	-2.3	.00	133.7
06:00	0.001904	2.8	3.1	.01	29.63	1003.5	-2.6	.00	85.5
07:00	0.001887	2.8	3.0	.00	29.64	1003.9	4.3	.01	78.9
08:00	0.001896	3.1	3.1	.00	29.65	1004.2	180.5	.26	99.1
09:00	0.001987	3.5	3.2	.00	29.67	1004.6	372.5	.53	136.1
10:00	0.001943	3.5	3.1	.00	29.67	1004.8	479.6	.69	138.9
11:00	0.001818	3.2	2.9	.00	29.64	1003.9	532.3	.76	130.9
12:00	0.001681	3.0	2.7	.00	29.61	1002.8	558.8	.80	113.3
13:00	0.001683	2.9	2.7	.00	29.58	1001.6	461.6	.66	127.7
14:00	0.001595	2.8	2.6	.00	29.55	1000.6	424.8	.61	100.1
15:00	0.001618	2.8	2.6	.00	29.53	1000.1	318.7	.46	108.3
16:00	0.001596	2.7	2.6	.00	29.53	1000.1	138.0	.20	41.8
17:00	0.001548	3.3	2.5	.00	29.53	1000.0	4.9	.01	68.2
18:00	0.001711	3.5	2.7	.00	29.53	1000.2	-2.4	.00	64.2
19:00	0.001931	3.4	3.1	.00	29.52	999.7	-2.3	.00	64.8
20:00	0.001908	3.5	3.1	.00	29.52	999.6	-2.6	.00	78.6
21:00	0.002006	3.5	3.2	.00	29.50	999.1	-2.6	.00	69.7
22:00	0.002066	3.4	3.3	.00	29.50	998.9	-2.4	.00	70.4
23:00	0.002165	3.5	3.5	.00	29.49	998.7	-2.0	.00	76.1
Avg	0.00186	3.2	3.0	.00	29.58	1001.8	143.5	.21	90.0
Max	0.002165	3.5	3.5	.01	29.67	1004.8	558.8	.80	275.8
Hr. of Max	23	23	23	06	10	10	12	12	02
Min	0.001548	2.7	2.5	.00	29.49	998.7	-2.9	.00	41.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/10/2016

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	38.3	45.7	60.7	35.5	17.6	12.2	8.8	.8	2.5
01:00	39.3	53.8	339.2	44.1	24.7	18.3	7.4	.0	1.7
02:00	354.5	12.5	252.5	359.8	23.0	33.5	12.7	.4	.4
03:00	45.2	49.5	139.9	39.4	22.2	18.9	14.6	.1	.8
04:00	51.9	25.7	280.6	13.9	29.3	13.6	12.2	.2	.9
05:00	231.4	17.8	267.8	4.8	22.9	46.5	19.0	.0	.3
06:00	42.3	3.8	41.0	350.0	5.5	46.5	9.5	.1	.7
07:00	57.4	24.5	22.3	12.7	12.1	8.0	12.5	.2	1.1
08:00	42.6	20.9	171.6	7.6	10.0	22.4	17.5	.0	.6
09:00	163.4	151.8	163.7	147.9	19.7	28.0	58.2	.8	.7
10:00	139.4	128.8	144.3	121.8	21.1	23.0	24.6	2.4	2.5
11:00	132.8	130.6	134.3	123.8	28.6	29.2	29.2	1.9	2.1
12:00	128.7	135.0	108.4	123.5	37.5	43.1	44.7	1.7	1.4
13:00	132.4	126.9	128.9	119.9	25.9	28.0	27.7	3.0	3.0
14:00	99.9	96.1	106.7	86.8	45.4	44.9	53.9	2.1	2.0
15:00	107.8	98.1	108.1	87.6	39.8	37.7	31.3	2.4	2.6
16:00	41.9	45.0	27.5	35.0	27.1	21.0	18.1	1.9	2.9
17:00	40.7	75.7	281.5	69.9	54.0	78.0	49.9	.3	.2
18:00	22.0	17.1	49.6	5.8	29.7	21.1	16.5	.7	1.2
19:00	62.8	57.6	46.8	48.1	22.8	11.9	9.3	.9	2.0
20:00	79.7	85.0	248.8	76.8	32.9	24.9	11.2	.2	.5
21:00	50.2	53.3	54.5	42.1	13.9	14.3	10.2	.9	1.7
22:00	62.0	61.8	21.7	52.9	25.2	14.9	8.2	.6	2.0
23:00	54.0	50.4	64.8	40.8	15.8	18.6	6.2	.6	1.9
Avg	68.0	62.0	80.0	52.0	25.3	27.4	21.4	.0	.0
Max	354.5	151.8	339.2	359.8	54.0	78.0	58.2	3.0	3.0
Hr. of Max	02	09	01	02	17	17	09	13	13
Min	22.0	3.8	21.7	4.8	5.5	8.0	6.2	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/10/2016

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	4.1	.8	2.6	4.2	1.2	4.4	3.3	.5	.04
01:00	3.1	.9	1.7	3.2	1.4	3.4	1.8	.1	.03
02:00	2.5	.5	.5	2.6	1.0	2.8	2.0	3.0	.04
03:00	1.6	.2	.9	1.7	.6	2.0	1.4	.9	.02
04:00	1.8	.3	1.0	1.9	.7	2.1	.9	.8	.01
05:00	.9	.0	.3	.9	.7	1.3	.7	-.1	.01
06:00	1.7	.1	.9	1.7	.3	1.9	1.4	2.7	.02
07:00	1.6	.2	1.2	1.7	.6	1.9	2.5	1.9	.04
08:00	.9	.0	.6	.9	.6	1.2	1.3	.0	.02
09:00	.3	.9	.9	.4	1.5	.9	2.3	-4.7	.10
10:00	2.3	2.6	2.7	2.5	3.3	3.1	4.9	3.6	.27
11:00	2.2	2.4	2.5	2.5	3.0	3.1	1.8	-7.3	.10
12:00	1.4	2.9	2.8	2.8	3.6	3.6	-7.3	-13.0	-.35
13:00	3.0	3.5	3.6	3.5	4.2	4.1	.9	.3	.07
14:00	1.9	2.9	2.8	2.7	3.4	3.5	-4.9	-14.5	-.29
15:00	3.1	3.0	3.2	3.6	3.5	4.1	-1.3	-2.8	-.06
16:00	3.3	2.3	3.2	3.6	2.6	3.9	-.1	-.6	-.18
17:00	.5	.4	.2	.6	.9	1.0	.9	1.4	.01
18:00	2.5	.9	1.5	2.6	1.2	2.9	2.9	1.7	.06
19:00	2.6	1.0	2.1	2.7	1.3	2.9	.6	1.8	.02
20:00	2.0	.3	.6	2.2	.6	2.4	1.9	.8	.02
21:00	2.4	.9	1.8	2.5	1.2	2.7	1.8	.7	.02
22:00	3.7	.7	2.1	3.8	1.0	4.0	1.5	.4	.02
23:00	3.5	.6	2.1	3.5	1.0	3.7	1.7	1.1	.03
Avg	.0	1.2	1.7	2.4	1.6	2.8	1.0	-.9	.00
Max	4.1	3.5	3.6	4.2	4.2	4.4	4.9	3.6	.27
Hr. of Max	00	13	13	00	13	00	10	10	10
Min	.3	.0	.2	.4	.3	.9	-7.3	-14.5	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/10/2016

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	.01	3.7	6.2	12.8	13.5	7.0	-3.5	-3.4
01:00	-.01	3.0	4.1	8.5	8.2	4.3	-4.2	-3.8
02:00	.13	5.0	1.8	4.8	6.8	5.1	-5.3	-4.2
03:00	.03	1.6	3.2	6.0	8.3	4.6	-5.7	-4.7
04:00	.04	1.6	2.3	3.4	9.4	5.3	-6.2	-5.1
05:00	.00	.7	1.1	3.2	7.3	10.8	-6.6	-5.5
06:00	.11	.9	1.8	3.4	7.3	4.9	-7.0	-5.6
07:00	.08	1.4	2.5	5.5	8.6	4.8	-7.2	-6.1
08:00	.00	1.1	3.7	4.4	7.0	8.1	-6.4	-5.7
09:00	-.07	3.0	2.3	2.1	23.7	26.0	-3.9	-4.3
10:00	.30	6.4	6.2	6.6	21.6	25.1	-1.7	-2.4
11:00	-.45	6.4	6.6	6.4	28.0	32.6	-.4	-1.1
12:00	-.51	8.5	7.3	7.3	26.0	30.0	.8	.1
13:00	-.02	8.7	9.2	11.9	19.6	24.9	2.0	1.3
14:00	-.72	7.6	7.3	8.5	24.4	28.9	2.9	2.2
15:00	-.15	8.5	8.7	8.9	20.5	24.3	3.7	2.9
16:00	-.11	7.3	8.0	8.0	21.1	15.6	3.8	3.1
17:00	.04	2.3	1.8	2.7	8.5	19.9	2.6	2.9
18:00	.12	3.4	4.1	5.0	9.4	5.2	.8	2.5
19:00	.12	3.0	3.9	4.4	7.1	3.9	-.3	1.3
20:00	.05	2.3	3.7	7.6	8.9	4.5	-1.2	.3
21:00	.04	2.7	3.9	4.6	6.9	3.4	-1.8	-.5
22:00	.03	3.0	5.3	8.0	9.2	2.4	-2.1	-.5
23:00	.06	2.5	3.4	5.0	7.9	2.3	-2.9	-1.5
Avg	-.04	3.9	4.5	6.2	13.3	12.7	-2.1	-1.6
Max	.30	8.7	9.2	12.8	28.0	32.6	3.8	3.1
Hr. of Max	10	13	13	00	11	11	16	16
Min	-.72	.7	1.1	2.1	6.8	2.3	-7.2	-6.1
Count	24	24	24	24	24	24	24	24
Total								