Date Printed: 06/11/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/10/2016

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	14.9	17.1	17.6	18.5	2.21	2.68	3.65	.47	1.44
01:00	14.1	16.2	16.8	17.7	2.01	2.65	3.58	.65	1.58
02:00	13.7	15.4	16.0	16.8	1.66	2.25	3.06	.59	1.39
03:00	13.4	14.9	15.4	16.2	1.56	2.00	2.81	.44	1.25
04:00	13.3	14.6	15.2	15.9	1.31	1.86	2.55	.54	1.24
05:00	13.5	14.7	15.0	16.0	1.17	1.46	2.48	.29	1.31
06:00	13.0	14.3	14.6	15.1	1.22	1.60	2.02	.38	.80
07:00	14.7	15.3	15.4	15.4	.59	.67	.71	.07	.11
08:00	18.4	18.0	17.8	17.7	-.34	-.55	-.69	-.22	-.35
09:00	20.8	20.3	20.0	19.8	-.53	-.85	-1.03	-.31	-.49
10:00	23.1	22.3	22.0	21.8	-.78	-1.09	-1.26	-.32	-.48
11:00	25.3	24.5	24.1	24.0	-.80	-1.13	-1.28	-.33	-.49
12:00	27.1	26.1	25.7	25.6	-1.01	-1.46	-1.56	-.45	-.55
13:00	28.5	27.5	27.1	26.9	-.91	-1.34	-1.58	-.43	-.67
14:00	29.2	28.2	27.8	27.7	-1.05	-1.38	-1.51	-.33	-.46
15:00	29.8	29.0	28.6	28.5	-.83	-1.18	-1.32	-.35	-.49
16:00	30.3	29.6	29.3	29.2	-.71	-1.05	-1.14	-.34	-.43
17:00	30.6	30.1	29.8	29.7	-.50	-.83	-.99	-.33	-.49
18:00	30.2	30.1	30.0	29.9	-.05	-.19	-.26	-.15	-.21
19:00	26.9	28.8	29.5	29.7	1.88	2.52	2.72	.64	.84
20:00	23.7	26.4	27.5	28.2	2.69	3.88	4.49	1.19	1.80
21:00	21.4	24.3	25.2	26.0	2.92	3.80	4.61	.88	1.69
22:00	19.9	22.6	23.2	24.0	2.68	3.24	4.10	.56	1.41
23:00	18.9	21.3	21.7	22.9	2.41	2.86	4.08	.45	1.67
Avg	21.4	22.2	22.3	22.6	.70	.85	1.18	.15	.48
Max	30.6	30.1	30.0	29.9	2.92	3.88	4.61	1.19	1.80
Hr. of Max	17	18	18	18	21	20	21	20	20
Min	13.0	14.3	14.6	15.1	-1.05	-1.46	-1.58	-.45	-.67
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/10/2016

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	11.7	11.2	12.7	22.8	82.4	69.4	10.4	10.0	0.008801
01:00	11.7	12.0	12.5	22.5	86.3	77.8	10.4	10.6	0.008797
02:00	11.9	12.7	12.5	22.3	90.2	85.1	10.6	11.0	0.008941
03:00	11.9	12.7	12.4	22.0	92.2	87.9	10.6	11.1	0.008943
04:00	12.1	12.9	12.5	21.7	93.5	90.7	10.7	11.2	0.00903
05:00	12.4	12.9	12.8	21.5	94.5	90.7	10.9	11.2	0.009227
06:00	12.0	13.1	12.3	21.3	94.7	94.0	10.6	11.4	0.008961
07:00	13.2	12.7	13.7	21.1	91.9	86.0	11.4	11.1	0.009697
08:00	14.5	13.8	15.8	20.9	80.0	77.6	12.4	11.8	0.010627
09:00	14.0	13.2	16.3	20.8	66.5	64.9	11.9	11.2	0.01028
10:00	13.6	12.5	16.8	20.8	56.4	54.8	11.5	10.7	0.010027
11:00	13.2	11.9	17.2	20.9	48.3	46.5	11.1	10.2	0.009781
12:00	11.2	9.6	16.5	21.2	38.1	36.2	9.8	8.8	0.008629
13:00	12.2	10.8	17.6	21.7	37.7	36.2	10.4	9.5	0.009236
14:00	13.0	11.6	18.4	22.3	38.0	36.9	10.9	10.0	0.009738
15:00	13.5	12.3	18.9	22.7	37.9	36.7	11.2	10.4	0.010052
16:00	13.3	11.8	19.0	23.1	36.4	34.2	11.1	10.1	0.009947
17:00	13.1	11.9	18.9	23.5	35.3	33.5	10.9	10.1	0.00982
18:00	14.1	12.4	19.4	23.8	38.9	34.9	11.7	10.5	0.01049
19:00	16.1	13.5	19.7	24.1	52.9	40.1	13.3	11.2	0.011838
20:00	16.1	14.0	18.6	24.1	64.1	47.8	13.5	11.7	0.011833
21:00	15.7	15.2	17.6	24.1	71.5	58.4	13.2	12.7	0.011481
22:00	15.8	16.4	17.2	24.0	78.9	69.3	13.4	13.7	0.011591
23:00	15.8	16.4	16.8	23.8	84.2	75.3	13.4	13.8	0.011556
Avg	13.4	12.8	16.1	22.4	66.3	61.0	11.5	11.0	0.009972
Max	16.1	16.4	19.7	24.1	94.7	94.0	13.5	13.8	0.011838
Hr. of Max	20	23	19	21	06	06	20	23	19
Min	11.2	9.6	12.3	20.8	35.3	33.5	9.8	8.8	0.008629
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)

6/10/2016

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	0.008537	13.8	13.4	.00	29.14	987.0	-2.6	.00	329.9
01:00	0.009018	13.8	14.1	.00	29.14	986.8	-2.8	.00	316.0
02:00	0.0094	14.0	14.7	.00	29.14	986.9	-2.5	.00	35.5
03:00	0.009426	14.0	14.7	.00	29.14	987.0	-2.4	.00	310.0
04:00	0.009539	14.1	14.9	.00	29.15	987.3	-2.4	.00	14.5
05:00	0.009551	14.4	14.9	.00	29.17	987.9	-2.0	.00	75.0
06:00	0.00964	14.0	15.1	.00	29.19	988.5	8.9	.01	327.4
07:00	0.009424	15.2	14.8	.00	29.20	989.0	118.4	.17	104.6
08:00	0.010086	16.6	15.8	.00	29.22	989.6	370.9	.53	73.2
09:00	0.009715	16.1	15.2	.00	29.24	990.1	579.0	.83	68.7
10:00	0.009293	15.7	14.6	.00	29.24	990.2	764.2	1.10	85.6
11:00	0.008961	15.3	14.1	.00	29.23	990.0	910.2	1.30	92.2
12:00	0.007729	13.5	12.1	.00	29.23	989.9	1001.7	1.44	116.5
13:00	0.008418	14.5	13.2	.00	29.22	989.5	1027.2	1.47	74.2
14:00	0.008878	15.2	13.9	.00	29.20	989.0	1002.5	1.44	126.8
15:00	0.00928	15.7	14.5	.00	29.18	988.3	920.1	1.32	88.5
16:00	0.008985	15.5	14.1	.00	29.17	987.7	526.6	.75	103.2
17:00	0.009068	15.3	14.2	.00	29.15	987.3	336.5	.48	88.5
18:00	0.009414	16.4	14.7	.00	29.14	987.0	297.0	.43	29.8
19:00	0.010034	18.4	15.7	.00	29.14	987.0	193.1	.28	323.2
20:00	0.010357	18.4	16.2	.00	29.15	987.1	16.9	.02	313.7
21:00	0.011172	17.9	17.4	.00	29.16	987.4	-1.0	.00	339.8
22:00	0.012001	18.1	18.7	.00	29.17	988.0	-2.4	.00	23.0
23:00	0.012001	18.0	18.7	.00	29.18	988.2	-3.0	.00	16.4
Avg	0.00958	15.6	15.0	.00	29.18	988.2	335.5	.48	43.0
Max	0.012001	18.4	18.7	.00	29.24	990.2	1027.2	1.47	339.8
Hr. of Max	23	20	23	23	10	10	13	13	21
Min	0.007729	13.5	12.1	.00	29.14	986.8	-3.0	.00	14.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/10/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	61.9	56.6	332.4	33.3	32.6	10.8	.4	.9	1.6
01:00	78.8	78.1	306.4	21.7	37.1	16.4	.5	.6	1.1
02:00	58.4	62.7	39.0	34.3	31.5	19.2	.6	1.8	1.8
03:00	75.2	88.8	306.7	42.4	34.6	14.9	.5	.6	1.6
04:00	49.6	91.4	16.3	29.0	45.8	10.2	1.3	1.2	1.3
05:00	69.7	50.3	79.8	12.3	8.6	5.9	1.6	2.7	4.0
06:00	76.5	72.2	321.8	56.5	11.7	6.9	.3	1.2	3.4
07:00	38.9	63.7	113.4	45.6	29.3	10.3	.3	1.2	2.6
08:00	62.4	61.1	75.5	30.1	23.8	17.1	2.9	3.5	4.4
09:00	59.6	58.6	69.9	27.2	24.1	18.7	3.3	4.1	4.8
10:00	78.0	72.4	86.1	19.3	17.2	15.2	4.8	5.3	5.8
11:00	89.9	85.0	95.0	42.5	33.9	29.1	2.9	3.2	3.4
12:00	111.8	105.1	118.0	30.5	26.3	23.2	3.4	3.7	4.1
13:00	68.1	69.1	76.7	59.6	48.0	41.2	1.9	2.7	3.1
14:00	126.4	121.4	132.9	42.1	37.3	28.0	2.6	2.9	3.4
15:00	95.3	97.7	99.8	56.2	40.4	36.1	2.6	3.0	3.3
16:00	101.7	97.1	104.7	40.1	30.2	23.7	2.6	3.2	3.7
17:00	93.8	94.3	92.6	34.6	24.0	19.4	3.2	4.1	4.8
18:00	49.5	56.3	28.1	39.5	27.7	22.9	1.7	3.1	3.8
19:00	22.2	53.7	323.2	23.4	31.6	16.2	1.1	2.1	2.9
20:00	222.3	155.8	312.5	14.3	56.5	23.6	1.0	.7	.3
21:00	67.5	87.6	344.5	35.3	14.5	19.4	.5	1.4	.7
22:00	66.6	72.9	26.4	38.9	21.3	13.8	1.0	1.3	1.7
23:00	68.3	58.1	12.8	36.9	10.6	8.3	.6	1.5	2.1
Avg	73.0	78.0	46.0	35.2	29.1	18.8	.0	.0	.0
Max	222.3	155.8	344.5	59.6	56.5	41.2	4.8	5.3	5.8
Hr. of Max	20	20	21	13	20	13	10	10	10
Min	22.2	50.3	12.8	12.3	8.6	5.9	.3	.6	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/10/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	.7	.9	1.6	1.0	1.9	3.2	.5	.04	.02
01:00	.6	.9	1.3	.9	1.6	1.4	-.2	.02	.02
02:00	.6	1.8	1.8	.8	2.1	2.1	2.6	.03	.12
03:00	1.2	1.2	1.7	1.4	2.0	2.3	-.6	.04	.00
04:00	1.6	1.6	1.3	1.7	1.6	2.0	.2	.04	.04
05:00	1.6	2.7	4.0	1.8	4.2	3.2	1.4	.08	.10
06:00	.4	1.3	3.4	.7	3.6	-.5	-.4	-.01	-.02
07:00	.5	1.3	2.7	.9	2.9	.7	.8	-.02	.04
08:00	3.2	3.7	4.5	3.7	5.0	2.4	7.5	.08	.55
09:00	3.7	4.4	5.0	4.3	5.4	-3.1	3.5	-.30	.22
10:00	5.0	5.5	6.0	5.3	6.3	-3.4	-2.7	-.33	-.34
11:00	3.4	3.7	3.8	4.0	4.3	-2.4	3.7	-.10	.29
12:00	3.9	4.2	4.5	4.7	5.1	-.9	-4.5	-.05	-.39
13:00	3.0	3.9	4.1	3.7	4.8	4.0	5.1	.14	.34
14:00	3.3	3.5	3.8	4.0	4.5	1.8	1.2	.13	.08
15:00	3.2	3.6	4.0	3.9	4.6	2.1	-.7	.12	-.02
16:00	3.1	3.6	4.0	3.7	4.6	3.2	-1.4	.19	.01
17:00	3.8	4.7	5.3	4.4	5.9	3.7	2.1	.15	.16
18:00	2.8	4.0	4.5	3.2	4.9	.2	3.4	.00	.32
19:00	1.3	2.2	3.0	1.5	3.3	-1.8	-1.2	-.06	-.08
20:00	1.0	1.0	.7	1.1	1.1	.2	.8	-.01	.02
21:00	.6	1.6	.7	.8	1.2	1.2	.7	.02	.02
22:00	1.3	1.4	1.8	1.4	2.0	1.8	1.1	.03	.05
23:00	.9	1.6	2.2	1.0	2.4	.3	1.1	.00	.05
Avg	2.1	2.7	3.2	2.5	3.6	1.0	1.0	.01	.07
Max	5.0	5.5	6.0	5.3	6.3	4.0	7.5	.19	.55
Hr. of Max	10	10	10	10	10	13	08	16	08
Min	.4	.9	.7	.7	1.1	-3.4	-4.5	-.33	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/10/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	1.8	2.1	2.7	2.3	3.0	8.4	3.9	17.8	19.1
01:00	2.3	3.0	4.4	2.7	3.1	7.4	4.7	16.8	18.4
02:00	1.8	3.2	3.7	2.4	3.6	7.4	4.7	16.2	17.4
03:00	2.5	3.0	3.9	2.8	4.1	6.8	4.9	15.7	16.9
04:00	3.7	4.1	4.1	3.8	4.4	6.9	4.5	15.5	16.5
05:00	4.4	5.3	8.0	3.7	5.7	7.7	2.5	15.5	16.7
06:00	1.6	5.0	5.5	1.7	5.8	7.9	3.2	15.1	15.7
07:00	3.9	5.0	5.7	4.3	6.1	13.9	8.6	16.2	16.0
08:00	10.1	9.2	9.6	9.9	10.5	19.0	18.3	19.0	18.3
09:00	9.4	10.8	14.7	10.7	10.9	19.6	17.1	21.1	20.3
10:00	10.3	11.2	12.1	10.8	12.2	15.7	14.5	23.1	22.2
11:00	15.8	14.2	11.9	10.1	9.4	23.8	24.8	25.1	24.3
12:00	8.2	8.5	11.0	10.0	11.4	18.9	22.6	26.5	25.7
13:00	11.2	11.9	12.8	11.3	12.6	27.7	27.0	28.1	27.1
14:00	12.4	11.0	10.8	10.3	9.8	23.3	28.6	28.7	27.9
15:00	13.7	11.2	10.5	11.3	12.1	24.7	27.8	29.5	28.7
16:00	7.6	8.7	9.6	9.4	10.1	24.5	24.0	30.1	29.4
17:00	8.5	9.6	10.5	9.2	10.6	20.3	18.8	30.7	29.8
18:00	9.6	8.7	9.2	11.1	9.7	19.9	14.7	30.7	30.0
19:00	3.4	8.0	8.0	3.8	5.7	10.7	9.8	29.4	29.8
20:00	2.5	3.0	3.0	2.1	2.6	7.4	7.7	27.1	28.7
21:00	1.8	3.0	2.1	2.1	2.4	8.9	6.8	25.1	26.7
22:00	3.4	3.0	3.0	3.8	3.1	6.4	4.3	23.6	25.0
23:00	2.5	3.4	4.6	2.6	3.6	7.3	3.3	22.3	23.9
Avg	6.4	6.9	7.6	6.3	7.2	14.4	12.8	22.9	23.1
Max	15.8	14.2	14.7	11.3	12.6	27.7	28.6	30.7	30.0
Hr. of Max	11	11	09	15	13	13	14	18	18
Min	1.6	2.1	2.1	1.7	2.4	6.4	2.5	15.1	15.7
Count	24	24	24	24	24	24	24	24	24
Total									