Date Printed: 11/07/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/6/2016

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	8.6	10.9	11.6	12.5	2.30	2.96	3.87	.66	1.57
01:00	6.8	8.9	9.7	11.1	2.11	2.90	4.31	.79	2.20
02:00	5.6	8.1	8.9	10.4	2.52	3.38	4.84	.85	2.32
03:00	4.5	6.9	7.7	9.0	2.33	3.14	4.47	.81	2.15
04:00	4.4	6.5	7.0	8.5	2.06	2.56	4.10	.50	2.04
05:00	3.9	5.8	6.5	7.8	1.89	2.62	3.92	.73	2.03
06:00	3.4	5.3	6.1	7.0	1.94	2.73	3.68	.79	1.74
07:00	3.3	5.1	5.7	6.8	1.78	2.37	3.48	.59	1.71
08:00	7.1	6.9	6.9	7.7	-.20	-.19	.58	.01	.79
09:00	11.4	10.9	10.6	10.5	-.49	-.73	-.84	-.24	-.35
10:00	14.7	14.0	13.6	13.3	-.76	-1.15	-1.39	-.38	-.63
11:00	16.7	15.9	15.6	15.4	-.84	-1.17	-1.38	-.34	-.55
12:00	18.6	17.9	17.5	17.2	-.73	-1.07	-1.36	-.33	-.63
13:00	19.9	19.2	18.8	18.6	-.71	-1.11	-1.34	-.41	-.63
14:00	20.7	20.0	19.6	19.4	-.75	-1.09	-1.28	-.34	-.53
15:00	21.4	20.7	20.3	20.2	-.69	-1.01	-1.18	-.31	-.48
16:00	20.7	20.7	20.5	20.5	.04	-.15	-.22	-.19	-.26
17:00	16.0	18.3	19.1	19.4	2.32	3.10	3.42	.78	1.10
18:00	12.7	15.6	16.4	17.2	2.92	3.66	4.51	.74	1.59
19:00	10.9	13.3	14.4	15.5	2.38	3.44	4.60	1.06	2.22
20:00	9.4	11.8	12.8	14.8	2.41	3.37	5.36	.96	2.94
21:00	8.1	10.8	11.5	13.3	2.69	3.41	5.19	.72	2.50
22:00	7.2	9.6	10.6	12.3	2.36	3.35	5.07	.99	2.71
23:00	6.5	8.7	9.3	11.2	2.22	2.87	4.73	.66	2.51
Avg	10.9	12.2	12.5	13.3	1.21	1.59	2.38	.38	1.17
Max	21.4	20.7	20.5	20.5	2.92	3.66	5.36	1.06	2.94
Hr. of Max	15	16	16	16	18	18	20	19	20
Min	3.3	5.1	5.7	6.8	-.84	-1.17	-1.39	-.41	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/6/2016

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	4.1	4.6	5.6	17.3	73.8	65.5	6.3	6.5	0.005173
01:00	3.4	4.1	4.5	17.0	79.5	72.3	6.0	6.3	0.004918
02:00	2.9	3.9	3.8	16.9	83.7	75.4	5.9	6.2	0.004747
03:00	2.4	3.6	3.1	16.7	86.7	80.4	5.7	6.1	0.004578
04:00	2.5	3.6	3.1	16.4	87.8	82.4	5.7	6.1	0.004608
05:00	2.2	3.6	2.8	16.2	89.3	86.3	5.6	6.1	0.004512
06:00	1.9	3.7	2.4	16.0	90.7	89.9	5.5	6.2	0.004403
07:00	1.9	3.6	2.4	15.8	91.3	91.1	5.5	6.2	0.00441
08:00	4.4	3.9	5.3	15.6	84.1	82.2	6.5	6.3	0.005283
09:00	5.2	4.8	7.3	15.5	67.1	67.3	6.8	6.6	0.005608
10:00	3.1	2.8	7.0	15.5	46.6	47.7	5.8	5.7	0.004865
11:00	2.0	1.5	6.9	15.5	37.8	38.6	5.3	5.2	0.004498
12:00	.5	.2	6.5	15.6	30.3	31.0	4.8	4.7	0.004057
13:00	.8	.5	7.2	15.8	28.5	29.2	4.9	4.8	0.004152
14:00	.0	-.4	6.9	16.1	25.7	26.2	4.6	4.5	0.003939
15:00	-.8	-1.3	6.6	16.4	23.3	23.5	4.3	4.2	0.003706
16:00	-1.1	-1.5	6.2	16.6	23.8	23.0	4.3	4.1	0.003632
17:00	.3	-1.0	5.5	16.8	35.0	27.6	4.7	4.3	0.003979
18:00	.6	.1	4.6	16.9	44.2	35.4	4.9	4.7	0.004048
19:00	1.0	.9	4.3	16.9	50.9	43.4	5.0	5.0	0.004161
20:00	1.3	1.4	4.0	16.8	57.6	49.4	5.2	5.2	0.004264
21:00	1.5	1.4	3.7	16.7	63.8	52.9	5.3	5.2	0.004311
22:00	1.5	1.5	3.4	16.5	67.5	57.6	5.3	5.2	0.004294
23:00	1.5	1.6	3.1	16.4	71.1	61.9	5.3	5.3	0.00429
Avg	1.8	2.0	4.8	16.3	60.0	55.8	5.4	5.4	0.004435
Max	5.2	4.8	7.3	17.3	91.3	91.1	6.8	6.6	0.005608
Hr. of Max	09	09	09	00	07	07	09	09	09
Min	-1.1	-1.5	2.4	15.5	23.3	23.0	4.3	4.1	0.003632
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)

11/6/2016

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	0.005358	8.2	8.5	.00	29.39	995.3	-2.2	.00	88.7
01:00	0.005166	7.8	8.2	.00	29.39	995.4	-2.1	.00	78.9
02:00	0.005088	7.5	8.1	.00	29.40	995.7	-2.4	.00	76.4
03:00	0.004987	7.3	7.9	.00	29.41	995.9	-2.2	.00	104.5
04:00	0.004986	7.3	7.9	.00	29.41	996.0	-2.4	.00	58.0
05:00	0.004976	7.2	7.9	.00	29.42	996.3	-2.3	.00	150.9
06:00	0.005004	7.0	8.0	.00	29.43	996.8	-1.8	.00	87.4
07:00	0.004983	7.0	7.9	.00	29.45	997.3	19.9	.03	63.7
08:00	0.005092	8.4	8.1	.00	29.45	997.5	206.4	.30	103.1
09:00	0.00545	8.9	8.7	.00	29.46	997.6	371.5	.53	84.7
10:00	0.00474	7.7	7.5	.00	29.45	997.3	512.1	.73	84.6
11:00	0.00435	7.2	6.9	.00	29.44	996.9	608.4	.87	92.9
12:00	0.003966	6.5	6.3	.00	29.41	996.0	584.4	.84	83.8
13:00	0.004069	6.6	6.5	.00	29.38	995.0	466.1	.67	79.8
14:00	0.003823	6.3	6.1	.00	29.36	994.3	466.3	.67	92.8
15:00	0.003592	5.9	5.7	.00	29.36	994.2	392.5	.56	101.0
16:00	0.003523	5.8	5.6	.00	29.35	994.0	163.9	.23	92.6
17:00	0.003645	6.3	5.8	.00	29.35	994.0	12.1	.02	50.2
18:00	0.003921	6.4	6.2	.00	29.36	994.2	-2.6	.00	81.1
19:00	0.004142	6.6	6.6	.00	29.37	994.5	-1.2	.00	81.7
20:00	0.00429	6.8	6.8	.00	29.37	994.7	-2.2	.00	72.5
21:00	0.004286	6.8	6.8	.00	29.38	994.9	-2.3	.00	81.7
22:00	0.004303	6.8	6.8	.00	29.39	995.2	-2.2	.00	86.5
23:00	0.004343	6.8	6.9	.00	29.39	995.4	-2.4	.00	88.9
Avg	0.004503	7.0	7.2	.00	29.40	995.6	157.3	.23	85.0
Max	0.00545	8.9	8.7	.00	29.46	997.6	608.4	.87	150.9
Hr. of Max	09	09	09	23	09	09	11	11	05
Min	0.003523	5.8	5.6	.00	29.35	994.0	-2.6	.00	50.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/6/2016

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	62.1	52.2	249.3	41.9	18.7	15.2	6.2	.1	.6
01:00	60.5	27.5	58.7	15.7	19.4	7.6	10.9	.8	2.2
02:00	50.4	65.2	64.1	56.7	18.6	8.8	5.5	.6	1.8
03:00	49.5	41.2	278.6	33.1	26.0	43.2	22.1	.1	.4
04:00	59.9	59.5	32.0	50.2	20.7	12.1	6.2	1.1	2.2
05:00	67.7	39.2	212.6	27.9	34.8	29.4	8.4	.5	1.0
06:00	323.2	4.7	276.0	353.2	36.3	27.5	19.9	.2	.1
07:00	65.3	66.1	351.7	47.1	37.3	9.7	21.0	.3	1.0
08:00	67.6	49.6	109.9	39.6	18.9	32.1	12.7	1.0	1.6
09:00	70.4	59.2	80.3	50.7	24.2	25.8	19.8	2.6	2.9
10:00	76.8	71.8	79.1	62.8	21.4	21.9	18.2	4.8	5.2
11:00	84.4	77.3	89.2	67.5	19.3	19.6	15.8	4.2	4.5
12:00	73.4	64.3	81.2	53.9	31.9	35.2	27.5	3.4	3.5
13:00	78.1	76.0	73.5	66.6	24.8	21.9	19.8	3.9	4.9
14:00	89.4	83.8	88.4	74.2	17.8	17.1	13.6	5.3	6.0
15:00	99.7	93.8	97.3	84.6	18.9	18.4	16.6	5.3	6.0
16:00	90.8	86.7	91.0	77.4	22.2	19.9	16.7	3.3	4.5
17:00	25.1	67.3	333.2	57.4	36.4	15.5	12.2	.3	1.0
18:00	70.6	61.9	62.4	55.3	38.8	14.6	12.1	.4	.9
19:00	62.8	68.6	84.7	60.1	19.6	12.8	28.9	1.0	1.3
20:00	53.7	55.9	61.6	46.7	21.3	8.8	9.7	.9	2.1
21:00	70.2	66.1	64.8	57.5	8.0	6.5	4.5	.4	1.7
22:00	38.6	44.7	81.8	35.0	29.4	34.0	9.4	.3	1.1
23:00	61.3	43.4	59.8	33.3	24.4	48.2	11.5	.5	1.3
Avg	63.0	59.0	67.0	49.0	24.5	21.1	14.6	.0	.0
Max	323.2	93.8	351.7	353.2	38.8	48.2	28.9	5.3	6.0
Hr. of Max	06	15	07	06	18	23	19	15	15
Min	25.1	4.7	32.0	15.7	8.0	6.5	4.5	.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)

11/6/2016

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	2.6	.1	.7	2.6	.5	2.8	2.1	.4	.03
01:00	2.2	.8	2.3	2.3	1.0	2.5	1.8	2.5	.04
02:00	3.5	.7	1.9	3.5	1.0	3.8	1.3	1.4	.03
03:00	1.5	.8	.9	1.6	1.2	2.0	1.2	1.5	.03
04:00	3.9	1.1	2.3	4.0	1.3	4.2	-.4	.8	-.03
05:00	2.6	.6	1.1	2.7	1.0	3.0	1.2	.7	.02
06:00	1.0	.4	.5	1.2	.9	1.5	2.6	1.9	.04
07:00	1.0	.5	1.0	1.0	.8	1.4	1.5	-1.0	.03
08:00	3.3	1.0	1.7	3.4	1.4	3.7	2.4	-2.4	.09
09:00	3.3	2.8	3.1	3.5	3.1	3.9	3.5	4.5	.16
10:00	5.7	5.1	5.6	6.0	5.7	6.5	1.0	3.1	.00
11:00	4.9	4.4	4.7	5.1	4.7	5.6	.4	-3.9	-.08
12:00	4.1	3.8	3.9	4.4	4.3	5.0	2.9	-.1	.08
13:00	5.6	4.2	5.2	5.9	4.8	6.4	2.5	1.7	.02
14:00	6.7	5.5	6.2	6.8	6.0	7.2	-1.3	-2.5	-.17
15:00	6.5	5.6	6.3	6.8	6.2	7.2	.7	2.7	-.02
16:00	5.3	3.6	4.8	5.6	4.0	6.0	3.8	3.6	.15
17:00	1.2	.3	1.1	1.2	.8	1.5	4.0	1.1	.06
18:00	1.5	.6	1.0	1.6	.9	1.8	3.0	1.3	.05
19:00	1.9	1.1	1.4	2.0	1.3	2.2	2.0	1.3	.04
20:00	2.7	1.0	2.1	2.8	1.2	3.0	2.9	2.6	.06
21:00	3.9	.4	1.7	4.0	.7	4.2	1.5	.7	.03
22:00	2.7	.9	1.4	2.9	1.2	3.1	1.8	.9	.03
23:00	2.6	.6	1.4	2.8	.9	3.0	1.7	1.2	.01
Avg	.0	1.9	2.6	3.5	2.3	3.8	1.8	1.0	.03
Max	6.7	5.6	6.3	6.8	6.2	7.2	4.0	4.5	.16
Hr. of Max	14	15	15	15	15	15	17	09	09
Min	1.0	.1	.5	1.0	.5	1.4	-1.3	-3.9	-.17
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/6/2016

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	.03	3.0	5.3	7.8	6.9	3.6	11.2	12.7
01:00	.12	2.7	3.7	4.1	8.4	3.9	9.2	11.2
02:00	.09	2.5	6.2	4.6	7.0	2.5	8.4	10.6
03:00	.06	3.0	6.2	6.9	6.2	5.4	7.1	9.1
04:00	.04	3.4	4.6	6.6	8.7	2.3	6.8	8.7
05:00	.03	2.5	2.5	6.4	5.1	3.7	6.1	8.0
06:00	.05	3.7	2.1	2.7	8.4	5.9	5.6	7.2
07:00	.00	2.3	4.4	3.7	7.2	5.3	5.3	7.0
08:00	-.14	4.6	7.8	6.6	23.2	10.9	7.4	7.9
09:00	.25	7.6	7.6	8.2	21.4	20.1	11.4	10.7
10:00	.16	11.0	10.5	11.4	17.6	18.4	14.3	13.3
11:00	-.35	11.2	8.9	12.1	20.1	17.0	16.1	15.2
12:00	-.14	8.7	9.2	10.1	24.0	23.8	18.0	17.0
13:00	.13	10.8	12.6	12.8	22.0	18.8	19.3	18.3
14:00	-.34	14.0	12.1	13.7	14.6	12.6	20.0	19.1
15:00	.23	11.2	11.7	11.2	12.2	12.7	20.7	19.8
16:00	.31	12.4	15.1	15.8	17.2	12.4	20.7	20.1
17:00	.04	2.3	3.0	3.0	10.1	10.2	18.3	19.1
18:00	.05	3.7	3.2	3.4	7.5	5.8	15.6	17.0
19:00	.06	3.2	2.7	3.7	7.7	4.0	13.4	15.5
20:00	.14	2.3	3.7	6.0	7.7	3.1	12.0	14.7
21:00	.05	2.1	4.6	8.7	7.0	2.0	10.9	13.3
22:00	.04	3.2	3.4	7.1	4.9	2.7	9.7	12.3
23:00	.08	3.0	3.7	4.6	7.0	2.5	8.8	11.3
Avg	.04	5.6	6.5	7.6	11.8	8.7	12.3	13.3
Max	.31	14.0	15.1	15.8	24.0	23.8	20.7	20.1
Hr. of Max	16	14	16	16	12	12	16	16
Min	-.35	2.1	2.1	2.7	4.9	2.0	5.3	7.0
Count	24	24	24	24	24	24	24	24
Total								