Date Printed: 08/23/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2016

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	18.8	19.7	20.3	21.0	.90	1.49	2.18	.59	1.28
01:00	18.2	19.1	19.7	20.7	.93	1.51	2.47	.57	1.54
02:00	17.6	18.8	19.1	20.0	1.11	1.43	2.33	.32	1.22
03:00	17.0	18.0	18.5	18.8	.98	1.47	1.81	.50	.83
04:00	16.4	17.5	18.0	18.4	1.14	1.59	2.04	.44	.90
05:00	15.8	16.9	17.3	17.9	1.15	1.54	2.12	.39	.97
06:00	15.4	16.6	16.9	17.5	1.22	1.50	2.06	.28	.84
07:00	15.4	16.6	17.1	17.4	1.18	1.69	1.98	.52	.81
08:00	18.3	18.1	18.0	18.0	-.20	-.26	-.21	-.05	-.01
09:00	21.1	20.8	20.4	20.3	-.37	-.70	-.83	-.33	-.47
10:00	23.6	22.9	22.5	22.3	-.72	-1.06	-1.25	-.34	-.53
11:00	25.0	24.2	23.7	23.5	-.88	-1.32	-1.59	-.43	-.70
12:00	25.7	24.8	24.5	24.3	-.82	-1.20	-1.41	-.38	-.59
13:00	25.7	25.1	24.8	24.7	-.57	-.87	-1.01	-.30	-.45
14:00	26.4	25.7	25.3	25.2	-.78	-1.11	-1.26	-.33	-.48
15:00	27.2	26.3	26.0	25.8	-.83	-1.18	-1.36	-.35	-.53
16:00	27.5	26.8	26.5	26.3	-.75	-1.04	-1.21	-.30	-.46
17:00	27.7	27.1	26.7	26.6	-.57	-.91	-1.03	-.34	-.47
18:00	26.5	26.4	26.3	26.2	-.19	-.28	-.30	-.09	-.12
19:00	23.9	24.9	25.7	25.9	1.02	1.81	2.04	.78	1.01
20:00	21.1	23.0	23.7	24.3	1.90	2.66	3.25	.76	1.35
21:00	19.8	21.8	22.3	22.8	1.97	2.51	3.05	.54	1.08
22:00	18.9	20.7	21.0	21.9	1.79	2.10	2.97	.31	1.18
23:00	18.0	20.0	20.2	20.9	1.96	2.21	2.89	.25	.93
Avg	21.3	21.7	21.9	22.1	.44	.57	.82	.13	.38
Max	27.7	27.1	26.7	26.6	1.97	2.66	3.25	.78	1.54
Hr. of Max	17	17	17	17	21	20	20	19	01
Min	15.4	16.6	16.9	17.4	-.88	-1.32	-1.59	-.43	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2016

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	17.6	18.4	18.0	25.9	94.7	94.0	15.0	15.7	0.012978
01:00	17.1	18.3	17.5	25.8	95.2	96.9	14.5	15.6	0.012561
02:00	16.6	17.7	16.9	25.6	95.3	95.7	14.1	15.1	0.012143
03:00	15.9	17.1	16.3	25.4	95.4	97.0	13.6	14.6	0.01164
04:00	15.4	16.6	15.7	25.2	95.6	96.4	13.1	14.1	0.011222
05:00	14.8	16.3	15.1	25.0	95.6	97.8	12.7	13.9	0.01081
06:00	14.4	16.1	14.8	24.8	95.5	98.4	12.4	13.7	0.010533
07:00	14.5	16.0	14.8	24.6	95.8	97.7	12.4	13.6	0.010584
08:00	16.4	15.7	17.0	24.4	90.9	88.0	13.9	13.3	0.01199
09:00	16.4	15.3	18.0	24.2	76.4	72.6	13.8	12.9	0.012025
10:00	15.9	14.7	18.5	24.1	63.5	61.5	13.3	12.4	0.011621
11:00	14.7	13.7	18.2	24.1	54.1	53.2	12.3	11.5	0.010809
12:00	14.4	13.5	18.2	24.2	51.0	50.5	12.0	11.4	0.010578
13:00	14.3	13.2	18.1	24.5	50.6	48.8	11.9	11.2	0.010497
14:00	14.2	13.1	18.3	24.7	48.0	46.9	11.8	11.1	0.010436
15:00	14.3	13.1	18.6	24.9	46.3	45.2	11.9	11.1	0.01051
16:00	13.8	12.6	18.4	25.1	44.2	42.4	11.5	10.6	0.010227
17:00	14.3	13.3	18.7	25.3	45.1	43.7	11.9	11.2	0.010541
18:00	15.7	14.5	19.3	25.5	52.8	49.4	13.0	12.1	0.011536
19:00	16.3	14.8	18.8	25.6	64.2	55.0	13.6	12.4	0.011927
20:00	16.8	15.5	18.2	25.7	78.2	64.2	14.1	13.0	0.012276
21:00	16.6	15.6	17.7	25.6	83.5	69.5	14.0	13.1	0.012132
22:00	16.2	15.9	17.1	25.5	85.9	75.2	13.7	13.4	0.011823
23:00	15.8	16.0	16.5	25.4	88.5	79.3	13.4	13.5	0.011488
Avg	15.5	15.3	17.4	25.0	74.4	71.6	13.1	12.9	0.01137
Max	17.6	18.4	19.3	25.9	95.8	98.4	15.0	15.7	0.012978
Hr. of Max	00	00	18	00	07	06	00	00	00
Min	13.8	12.6	14.8	24.1	44.2	42.4	11.5	10.6	0.010227
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2016

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	0.013635	20.2	21.2	.00	29.17	988.0	-1.9	.00	320.7
01:00	0.013546	19.6	21.1	.00	29.18	988.0	-2.3	.00	335.4
02:00	0.013072	18.9	20.3	.00	29.17	987.9	-2.2	.00	6.0
03:00	0.012593	18.2	19.6	.00	29.18	988.1	-2.6	.00	351.1
04:00	0.012174	17.5	19.0	.00	29.18	988.3	-2.7	.00	13.5
05:00	0.011909	16.9	18.6	.00	29.19	988.6	-2.3	.00	345.0
06:00	0.011728	16.5	18.3	.00	29.21	989.2	-1.6	.00	10.6
07:00	0.011644	16.6	18.2	.00	29.23	989.8	39.5	.06	42.2
08:00	0.011449	18.7	17.9	.00	29.25	990.6	256.1	.37	173.0
09:00	0.01117	18.8	17.5	.00	29.26	990.9	450.1	.65	122.0
10:00	0.010782	18.2	16.9	.00	29.27	991.2	672.8	.96	84.2
11:00	0.010071	16.9	15.8	.00	29.27	991.4	877.9	1.26	73.6
12:00	0.00998	16.6	15.7	.00	29.28	991.5	736.9	1.06	72.3
13:00	0.009795	16.5	15.4	.00	29.28	991.4	519.1	.74	97.8
14:00	0.009721	16.4	15.3	.00	29.27	991.3	799.9	1.15	113.2
15:00	0.009749	16.5	15.3	.00	29.25	990.7	742.5	1.06	94.7
16:00	0.009398	16.0	14.7	.00	29.24	990.3	682.5	.98	100.2
17:00	0.009878	16.5	15.5	.00	29.24	990.1	445.6	.64	76.8
18:00	0.010676	18.0	16.7	.00	29.24	990.2	256.0	.37	10.9
19:00	0.010881	18.6	17.0	.00	29.24	990.3	82.3	.12	338.5
20:00	0.011321	19.2	17.7	.00	29.26	990.7	2.2	.00	13.2
21:00	0.011391	19.0	17.8	.00	29.27	991.2	-1.5	.00	16.7
22:00	0.011571	18.5	18.1	.00	29.28	991.7	-1.6	.00	48.7
23:00	0.011632	18.0	18.2	.00	29.29	991.9	-1.4	.00	61.3
Avg	0.01124	17.8	17.6	.00	29.24	990.1	272.6	.39	43.0
Max	0.013635	20.2	21.2	.00	29.29	991.9	877.9	1.26	351.1
Hr. of Max	00	00	00	23	23	23	11	11	03
Min	0.009398	16.0	14.7	.00	29.17	987.9	-2.7	.00	6.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2016

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	61.9	70.0	317.2	41.3	34.6	48.8	12.8	.7	.9
01:00	56.4	41.8	327.2	17.8	43.4	27.4	30.8	.5	.7
02:00	76.4	57.2	356.7	37.9	25.8	14.4	14.8	.6	1.1
03:00	53.4	61.6	342.6	42.5	45.3	18.1	8.4	.4	.8
04:00	48.7	44.9	355.3	28.0	38.1	18.3	13.4	.5	.9
05:00	78.0	73.3	299.1	40.6	56.3	18.2	15.1	.3	.3
06:00	52.1	19.8	349.0	358.6	31.0	16.3	9.8	.4	.9
07:00	34.0	15.2	19.7	358.2	44.6	21.4	14.8	.6	1.8
08:00	57.8	31.7	192.9	10.8	47.2	61.5	26.0	.4	.4
09:00	109.9	95.5	126.7	85.9	23.3	36.5	30.5	2.3	2.5
10:00	75.8	70.8	85.9	59.0	22.9	21.3	17.8	5.0	5.6
11:00	69.3	65.4	75.6	53.7	29.4	23.2	19.6	5.3	6.9
12:00	67.2	65.1	74.0	52.9	52.7	45.7	35.6	3.1	4.1
13:00	94.2	91.8	99.6	80.0	28.2	22.9	18.3	3.3	3.9
14:00	126.3	115.9	123.6	108.2	55.8	54.2	58.0	2.0	2.2
15:00	87.2	81.1	98.2	69.0	56.2	53.2	40.4	2.2	2.8
16:00	102.2	96.4	104.9	85.3	42.9	39.3	35.2	2.8	3.4
17:00	75.0	70.8	82.4	59.6	52.5	42.5	36.5	1.5	2.5
18:00	23.5	27.3	8.5	12.5	37.0	17.1	10.9	1.8	4.5
19:00	28.0	35.2	338.0	20.3	25.6	8.8	5.6	1.2	3.8
20:00	58.9	57.5	13.6	44.4	15.9	11.2	7.1	1.2	2.5
21:00	71.0	65.0	18.5	53.2	20.9	11.5	6.7	1.1	2.5
22:00	72.2	61.8	50.2	50.1	21.6	10.1	4.9	1.4	2.4
23:00	62.9	59.0	65.1	47.1	14.7	7.9	3.3	1.4	2.3
Avg	68.0	61.0	38.0	45.0	36.1	27.1	19.8	.0	.0
Max	126.3	115.9	356.7	358.6	56.3	61.5	58.0	5.3	6.9
Hr. of Max	14	14	02	06	05	08	14	11	11
Min	23.5	15.2	8.5	10.8	14.7	7.9	3.3	.3	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2016

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	1.1	1.0	1.0	1.1	1.2	1.4	1.5	1.3	.04
01:00	1.1	.6	.8	1.3	.8	1.7	.4	1.4	.01
02:00	1.3	.7	1.2	1.4	1.0	1.7	.5	1.4	.01
03:00	1.3	.5	.8	1.4	.8	1.6	-.4	.1	.00
04:00	1.9	.5	1.0	2.1	.8	2.3	.7	1.9	.01
05:00	.3	.3	.3	.3	.7	.7	.9	-.7	.01
06:00	1.7	.5	1.0	1.7	.9	2.0	2.6	2.5	.04
07:00	2.9	.9	1.9	3.1	1.2	3.3	2.2	1.5	.07
08:00	1.4	.6	.6	1.5	1.1	1.8	8.5	2.3	.20
09:00	2.7	2.6	2.8	2.9	3.2	3.3	6.6	5.6	.28
10:00	6.4	5.3	5.9	6.6	5.8	7.1	3.0	3.8	.19
11:00	8.1	6.0	7.6	8.6	6.6	9.1	.9	.8	-.10
12:00	4.9	4.3	5.3	5.9	4.9	6.4	-.3	.1	-.17
13:00	4.5	3.7	4.4	5.0	4.3	5.5	1.8	1.6	.11
14:00	2.5	2.9	3.3	3.6	3.5	4.3	7.7	.7	.26
15:00	3.5	3.4	4.1	4.5	4.1	5.3	.4	-2.5	-.04
16:00	3.8	3.4	4.0	4.4	3.9	5.0	-.1	-2.8	-.01
17:00	3.0	2.7	3.9	4.5	3.4	5.1	4.4	3.8	.10
18:00	5.6	2.2	4.7	5.7	2.6	6.1	-.2	-.5	-.17
19:00	4.9	1.4	3.9	4.9	1.7	5.2	-5.3	.0	-.20
20:00	3.1	1.4	2.7	3.2	1.6	3.4	2.1	.6	.06
21:00	3.9	1.2	2.5	4.0	1.3	4.2	1.0	.8	.02
22:00	4.7	1.4	2.5	4.8	1.6	4.9	.6	-.8	.00
23:00	4.5	1.4	2.4	4.5	1.6	4.7	1.1	-.9	.04
Avg	.0	2.0	2.9	3.6	2.4	4.0	1.7	.9	.03
Max	8.1	6.0	7.6	8.6	6.6	9.1	8.5	5.6	.28
Hr. of Max	11	11	11	11	11	11	08	09	09
Min	.3	.3	.3	.3	.7	.7	-5.3	-2.8	-.20
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/22/2016

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	.04	2.7	3.0	3.9	8.8	8.4	21.0	22.1
01:00	.04	2.3	2.7	3.7	11.1	11.2	20.4	21.7
02:00	.05	3.0	3.9	3.4	8.9	9.7	19.9	20.9
03:00	.01	2.3	2.7	3.0	7.6	5.7	19.1	19.8
04:00	.08	2.1	2.5	4.1	7.8	5.1	18.6	19.4
05:00	-.01	1.6	3.2	2.7	7.0	7.3	18.0	18.8
06:00	.09	2.1	2.7	4.1	8.4	5.4	17.6	18.4
07:00	.09	3.4	5.5	7.1	12.3	10.1	17.6	18.3
08:00	.05	3.0	3.0	4.4	23.3	15.2	19.3	19.0
09:00	.27	7.3	8.0	8.0	21.5	21.2	21.8	21.1
10:00	.27	12.1	13.3	13.5	17.2	16.0	23.8	22.9
11:00	.01	14.2	15.6	16.3	19.6	14.1	25.0	23.9
12:00	-.10	12.8	14.0	14.4	22.4	20.8	25.6	24.7
13:00	.12	10.1	13.1	10.5	18.6	15.9	25.8	25.0
14:00	-.07	9.2	13.3	9.4	28.2	29.2	26.4	25.5
15:00	-.13	10.5	13.3	12.6	23.5	27.2	27.0	26.1
16:00	-.16	10.5	9.2	9.2	23.7	25.5	27.4	26.6
17:00	.30	7.6	9.4	11.7	25.8	20.9	27.9	27.0
18:00	-.11	8.2	10.8	10.8	24.7	8.6	27.2	26.6
19:00	-.01	6.0	8.7	8.9	13.5	5.2	25.7	26.3
20:00	.03	3.4	4.8	6.9	7.3	4.3	23.7	24.9
21:00	.05	3.2	5.3	7.3	8.1	2.6	22.7	23.6
22:00	-.06	3.9	5.7	8.0	8.1	2.6	21.7	22.7
23:00	-.07	4.1	4.8	9.4	5.8	2.1	21.0	21.7
Avg	.03	6.1	7.4	8.1	15.1	12.3	22.7	22.8
Max	.30	14.2	15.6	16.3	28.2	29.2	27.9	27.0
Hr. of Max	17	11	11	11	14	14	17	17
Min	-.16	1.6	2.5	2.7	5.8	2.1	17.6	18.3
Count	24	24	24	24	24	24	24	24
Total								