Date Printed: 11/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/13/2016

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	2.3	4.7	5.5	7.5	2.43	3.16	5.20	.73	2.77
01:00	1.7	4.0	4.7	6.7	2.34	2.99	5.06	.65	2.72
02:00	1.2	3.4	4.1	6.1	2.18	2.95	4.96	.77	2.78
03:00	.6	2.8	3.5	5.1	2.14	2.89	4.44	.75	2.29
04:00	.4	2.3	2.9	4.5	1.88	2.57	4.18	.69	2.29
05:00	.3	2.3	3.1	4.5	1.99	2.78	4.23	.79	2.24
06:00	.6	2.5	3.2	4.2	1.87	2.56	3.57	.70	1.71
07:00	.6	2.6	3.3	4.2	1.99	2.76	3.59	.77	1.60
08:00	2.1	3.1	3.6	4.5	.96	1.55	2.39	.59	1.43
09:00	6.5	6.2	6.1	6.2	-.31	-.43	-.26	-.12	.05
10:00	10.4	9.8	9.4	9.2	-.59	-.99	-1.23	-.41	-.64
11:00	12.5	11.7	11.4	11.2	-.75	-1.10	-1.28	-.35	-.53
12:00	14.4	13.7	13.3	13.0	-.69	-1.11	-1.36	-.42	-.67
13:00	15.6	14.9	14.5	14.4	-.67	-1.04	-1.17	-.37	-.50
14:00	16.7	16.1	15.7	15.6	-.62	-.95	-1.09	-.32	-.46
15:00	16.8	16.3	16.0	15.9	-.52	-.82	-.94	-.30	-.42
16:00	16.1	16.1	16.0	15.9	.06	-.10	-.16	-.16	-.22
17:00	12.8	14.5	14.9	15.1	1.75	2.13	2.30	.38	.55
18:00	9.7	12.2	12.9	13.6	2.54	3.23	3.92	.69	1.39
19:00	7.6	10.3	11.0	12.4	2.66	3.41	4.80	.75	2.14
20:00	6.0	8.7	9.6	10.9	2.71	3.59	4.90	.89	2.19
21:00	5.1	7.5	8.4	9.4	2.39	3.32	4.34	.94	1.96
22:00	4.2	6.6	7.2	8.4	2.32	2.98	4.19	.66	1.87
23:00	3.4	5.7	6.5	7.7	2.37	3.11	4.37	.74	2.00
Avg	7.0	8.3	8.6	9.4	1.27	1.64	2.46	.38	1.19
Max	16.8	16.3	16.0	15.9	2.71	3.59	5.20	.94	2.78
Hr. of Max	15	15	16	16	20	20	00	21	02
Min	.3	2.3	2.9	4.2	-.75	-1.11	-1.36	-.42	-.67
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/13/2016

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	-1.0	-.4	.1	13.6	79.1	69.9	4.5	4.6	0.003571
01:00	-1.3	-.6	-.3	13.4	81.4	72.6	4.4	4.6	0.003513
02:00	-1.4	-.6	-.5	13.2	83.5	75.8	4.4	4.6	0.003478
03:00	-1.6	-.7	-.9	13.1	85.5	78.5	4.3	4.6	0.003418
04:00	-1.7	-.8	-1.0	12.9	86.6	81.0	4.3	4.6	0.003398
05:00	-1.6	-.6	-1.0	12.7	87.7	81.6	4.3	4.6	0.003426
06:00	-1.2	-.4	-.6	12.5	88.2	81.6	4.4	4.7	0.003531
07:00	-1.1	-.2	-.6	12.3	88.8	82.7	4.5	4.7	0.003539
08:00	-.1	.2	.7	12.2	86.3	82.2	4.8	4.9	0.003837
09:00	1.5	.8	3.2	12.0	71.1	69.2	5.3	5.0	0.004298
10:00	.1	-.3	3.5	12.0	49.6	50.0	4.7	4.6	0.003904
11:00	-.3	-.8	4.0	12.1	42.1	42.6	4.6	4.4	0.003815
12:00	-.5	-.9	4.4	12.2	36.5	37.1	4.5	4.4	0.003754
13:00	-.7	-.9	4.8	12.4	33.6	34.5	4.4	4.4	0.00373
14:00	-.4	-1.0	5.3	12.7	31.8	31.7	4.5	4.3	0.003799
15:00	-.4	-.8	5.3	12.9	31.5	31.7	4.5	4.4	0.003803
16:00	-.1	-.6	5.3	13.2	33.8	32.5	4.6	4.4	0.003883
17:00	.7	.2	4.7	13.4	44.4	38.3	4.9	4.7	0.004107
18:00	.8	.8	3.7	13.5	54.6	46.3	5.0	5.0	0.004119
19:00	.7	1.0	3.0	13.6	62.2	53.2	5.0	5.1	0.004089
20:00	.5	1.1	2.3	13.5	68.5	59.6	4.9	5.1	0.004014
21:00	.5	1.0	2.0	13.4	72.9	64.3	5.0	5.1	0.004022
22:00	.4	1.2	1.7	13.3	76.6	69.1	4.9	5.2	0.003984
23:00	.3	1.3	1.3	13.2	80.8	73.8	4.9	5.2	0.003944
Avg	-.3	-.1	2.1	12.9	64.9	60.0	4.7	4.7	0.003791
Max	1.5	1.3	5.3	13.6	88.8	82.7	5.3	5.2	0.004298
Hr. of Max	09	23	16	19	07	07	09	23	09
Min	-1.7	-1.0	-1.0	12.0	31.5	31.7	4.3	4.3	0.003398
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/13/2016

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	0.003747	5.7	6.0	.00	29.36	994.2	-2.6	.00	90.0
01:00	0.003701	5.6	5.9	.00	29.36	994.1	-2.4	.00	80.7
02:00	0.003689	5.5	5.9	.00	29.36	994.2	-2.6	.00	79.2
03:00	0.003659	5.4	5.8	.00	29.36	994.1	-2.5	.00	172.2
04:00	0.003643	5.4	5.8	.00	29.36	994.3	-2.4	.00	44.8
05:00	0.003679	5.4	5.8	.00	29.36	994.4	-2.4	.00	75.0
06:00	0.003732	5.6	5.9	.00	29.36	994.4	-2.4	.00	68.5
07:00	0.003801	5.6	6.0	.00	29.37	994.6	8.3	.01	71.3
08:00	0.003911	6.1	6.2	.00	29.38	994.8	126.2	.18	89.7
09:00	0.004096	6.8	6.5	.00	29.38	995.0	301.6	.43	114.5
10:00	0.003788	6.2	6.0	.00	29.38	994.9	434.6	.62	72.0
11:00	0.003672	6.1	5.8	.00	29.36	994.4	511.4	.73	100.8
12:00	0.003648	6.0	5.8	.00	29.33	993.1	544.3	.78	71.4
13:00	0.003669	5.9	5.8	.00	29.29	991.8	481.7	.69	98.8
14:00	0.003644	6.0	5.8	.00	29.26	991.0	406.2	.58	152.9
15:00	0.0037	6.0	5.9	.00	29.24	990.4	282.0	.40	179.0
16:00	0.003747	6.1	5.9	.00	29.24	990.1	113.1	.16	205.0
17:00	0.003975	6.5	6.3	.00	29.24	990.1	8.8	.01	49.7
18:00	0.004134	6.5	6.5	.00	29.24	990.3	-2.7	.00	78.0
19:00	0.004186	6.5	6.6	.00	29.24	990.2	-2.3	.00	134.5
20:00	0.004209	6.3	6.7	.00	29.23	990.0	-2.2	.00	130.5
21:00	0.004185	6.4	6.6	.00	29.24	990.3	-2.4	.00	101.1
22:00	0.004222	6.3	6.7	.00	29.23	990.0	-2.5	.00	79.8
23:00	0.004254	6.2	6.7	.00	29.23	990.0	-2.3	.00	88.1
Avg	0.003862	6.0	6.1	.00	29.31	992.5	132.8	.19	97.0
Max	0.004254	6.8	6.7	.00	29.38	995.0	544.3	.78	205.0
Hr. of Max	23	09	23	23	10	09	12	12	16
Min	0.003643	5.4	5.8	.00	29.23	990.0	-2.7	.00	44.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/13/2016

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	33.0	91.9	20.3	8.6	3.2	9.2	.1	.7
01:00	64.4	39.7	13.0	27.8	13.9	9.7	9.0	.0	.6
02:00	52.3	19.4	70.4	6.0	9.8	7.1	6.5	.2	1.5
03:00	61.2	67.3	234.9	62.0	29.1	30.2	9.5	1.0	.2
04:00	231.9	32.7	19.2	18.6	24.1	32.6	8.4	.1	.5
05:00	64.6	35.6	70.5	23.8	15.6	7.5	8.8	.8	2.6
06:00	58.3	60.0	60.8	51.1	18.4	8.1	4.4	1.7	3.2
07:00	52.0	53.0	61.9	43.4	16.9	10.4	4.0	1.5	3.3
08:00	49.4	57.5	100.2	48.3	20.0	9.4	6.5	.5	3.3
09:00	100.1	78.2	126.7	70.0	19.9	39.9	22.4	1.2	1.2
10:00	65.7	63.3	68.1	54.4	31.2	28.0	22.3	3.1	4.4
11:00	93.9	88.6	97.1	80.4	23.6	26.1	26.7	3.7	3.9
12:00	51.5	44.3	64.4	32.2	40.3	52.2	51.6	1.7	2.5
13:00	96.0	95.3	96.1	85.1	46.6	41.3	46.4	1.9	2.0
14:00	178.0	191.7	160.2	178.4	51.1	60.2	49.5	1.4	1.4
15:00	209.2	209.9	199.2	204.8	45.2	40.0	38.7	1.2	1.7
16:00	224.9	225.6	215.6	221.2	29.5	26.9	27.0	1.8	2.7
17:00	59.1	113.1	341.8	87.4	35.4	19.3	32.5	.8	.9
18:00	64.0	60.4	34.9	51.1	28.5	18.6	11.7	.5	1.4
19:00	193.3	28.5	262.5	22.8	46.3	61.6	42.8	.1	.1
20:00	134.8	330.0	230.0	241.8	29.4	36.1	32.8	.3	.2
21:00	278.3	229.0	102.0	223.0	74.3	53.0	10.7	.2	1.0
22:00	53.8	52.3	59.6	29.1	12.9	11.9	32.3	.4	1.4
23:00	49.3	67.9	155.4	60.1	12.4	8.9	4.6	.3	.7
Avg	79.0	59.0	87.0	50.0	28.5	26.8	21.6	.0	.0
Max	278.3	330.0	341.8	241.8	74.3	61.6	51.6	3.7	4.4
Hr. of Max	21	20	17	20	21	19	12	11	10
Min	49.3	19.4	13.0	6.0	8.6	3.2	4.0	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/13/2016

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	1.7	.1	.7	1.7	.3	1.9	1.4	-.3	.02
01:00	1.5	.0	.6	1.5	.3	1.7	1.2	.9	.01
02:00	2.4	.2	1.5	2.4	.5	2.6	2.1	1.6	.03
03:00	1.1	1.0	1.0	1.1	1.4	1.4	1.6	.2	.04
04:00	1.8	.4	.8	1.8	.6	2.0	1.4	.5	.02
05:00	2.4	.9	2.6	2.5	1.2	2.7	3.0	2.5	.06
06:00	5.3	1.9	3.3	5.4	2.1	5.5	-.4	-.4	-.04
07:00	6.0	1.6	3.4	6.0	1.7	6.2	.6	-.3	.03
08:00	6.3	.6	3.4	6.3	1.0	6.6	6.0	-.3	.13
09:00	3.1	1.3	1.5	3.5	1.8	3.8	4.0	-1.5	.13
10:00	5.3	3.5	4.8	5.6	4.1	6.0	3.5	5.7	.09
11:00	4.1	4.0	4.4	4.6	4.6	5.2	.7	.9	.04
12:00	2.9	2.6	3.3	3.4	3.4	4.1	1.9	2.8	.05
13:00	1.9	2.9	2.9	2.9	3.5	3.5	-4.3	-8.6	-.26
14:00	1.4	2.4	2.6	2.8	3.0	3.4	1.6	2.5	.08
15:00	2.0	2.5	3.1	3.2	3.1	3.7	.5	-7.5	.05
16:00	3.1	2.1	2.9	3.3	2.5	3.7	-1.4	-5.0	-.06
17:00	1.2	.9	1.5	2.5	1.3	2.8	-.6	.4	-.03
18:00	2.1	.6	1.5	2.1	1.0	2.3	2.4	1.0	.04
19:00	.5	.9	1.0	.8	1.3	1.1	2.5	.7	.05
20:00	.1	.7	.9	1.2	1.3	1.5	2.7	-.4	.05
21:00	1.7	1.0	1.4	1.8	1.4	2.1	2.0	1.6	.03
22:00	.8	.4	1.4	1.4	.8	1.6	2.4	.0	.04
23:00	1.8	.4	.7	1.8	.6	2.1	1.5	-.4	.02
Avg	.0	1.4	2.1	2.9	1.8	3.2	1.5	-.1	.03
Max	6.3	4.0	4.8	6.3	4.6	6.6	6.0	5.7	.13
Hr. of Max	08	11	10	08	11	08	08	10	09
Min	.1	.0	.6	.8	.3	1.1	-4.3	-8.6	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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11/13/2016

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	.00	.9	1.6	4.4	4.9	4.1	4.8	7.5
01:00	.02	.9	2.5	4.8	5.2	3.4	4.1	6.8
02:00	.08	1.8	2.7	3.2	6.1	3.5	3.5	6.2
03:00	.00	2.7	4.1	4.6	5.0	3.9	2.9	5.0
04:00	.03	3.2	3.4	3.2	6.5	4.1	2.4	4.5
05:00	.14	3.0	5.0	5.0	7.6	5.1	2.4	4.5
06:00	-.05	4.1	5.3	7.1	6.8	1.9	2.6	4.2
07:00	-.03	3.0	5.5	9.8	6.9	2.2	2.7	4.2
08:00	-.04	3.4	5.7	14.4	16.7	3.1	3.3	4.5
09:00	-.13	6.0	8.7	11.2	25.3	13.4	6.6	6.3
10:00	.38	10.3	11.9	13.3	22.7	18.8	10.1	9.1
11:00	.08	12.8	10.5	9.6	19.7	20.0	11.9	11.0
12:00	.08	8.2	8.0	8.7	27.5	27.9	13.8	12.9
13:00	-.61	10.1	9.4	8.9	23.9	27.1	15.0	14.2
14:00	-.02	8.2	9.2	9.6	26.2	33.5	16.1	15.4
15:00	-.30	10.8	9.2	9.4	23.7	26.2	16.4	15.6
16:00	-.21	5.0	6.0	6.9	17.6	18.2	16.2	15.7
17:00	.03	3.9	5.5	7.6	9.6	4.8	14.6	14.9
18:00	.04	2.3	3.0	6.0	9.1	3.2	12.3	13.5
19:00	.03	2.7	6.0	5.3	7.7	6.7	10.5	12.4
20:00	.00	4.6	4.4	3.2	7.0	5.7	8.9	10.9
21:00	.02	7.3	8.0	6.4	7.0	7.1	7.6	9.5
22:00	.00	1.8	2.7	3.7	7.2	4.8	6.7	8.5
23:00	-.01	3.0	2.5	4.6	5.5	3.5	5.9	7.8
Avg	-.02	5.0	5.9	7.1	12.7	10.5	8.4	9.4
Max	.38	12.8	11.9	14.4	27.5	33.5	16.4	15.7
Hr. of Max	10	11	10	08	12	14	15	16
Min	-.61	.9	1.6	3.2	4.9	1.9	2.4	4.2
Count	24	24	24	24	24	24	24	24
Total								