Date Printed: 11/29/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/28/2016

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	3.6	5.1	5.7	7.6	1.48	2.08	4.00	.60	2.52
01:00	3.6	4.9	5.6	7.2	1.29	2.01	3.60	.72	2.32
02:00	3.8	5.2	5.7	7.2	1.43	1.95	3.42	.51	1.99
03:00	3.5	4.4	5.2	6.1	.95	1.70	2.59	.75	1.64
04:00	3.5	4.6	4.9	5.4	1.07	1.40	1.92	.33	.85
05:00	4.1	4.9	5.1	5.5	.89	1.08	1.39	.19	.50
06:00	4.1	5.3	5.5	5.8	1.17	1.40	1.70	.23	.53
07:00	4.5	5.4	5.5	6.0	.90	1.04	1.47	.14	.57
08:00	5.7	5.9	6.0	6.2	.25	.33	.58	.08	.32
09:00	7.4	7.2	7.0	6.9	-.18	-.39	-.44	-.21	-.26
10:00	8.8	8.6	8.3	8.2	-.26	-.55	-.66	-.29	-.40
11:00	10.7	10.3	9.9	9.6	-.42	-.83	-1.07	-.41	-.66
12:00	13.7	13.3	12.9	12.7	-.40	-.73	-.91	-.33	-.52
13:00	16.5	16.3	16.1	16.0	-.23	-.46	-.55	-.23	-.32
14:00	18.0	17.7	17.5	17.4	-.23	-.47	-.57	-.24	-.33
15:00	18.2	18.1	17.9	17.8	-.08	-.28	-.37	-.20	-.29
16:00	17.4	17.4	17.2	17.1	.04	-.14	-.21	-.19	-.25
17:00	17.4	17.6	17.4	17.4	.15	-.01	-.05	-.17	-.21
18:00	17.5	17.7	17.5	17.5	.12	-.04	-.07	-.16	-.19
19:00	17.5	17.6	17.5	17.5	.14	-.02	-.02	-.16	-.16
20:00	18.7	18.8	18.6	18.6	.08	-.09	-.14	-.17	-.21
21:00	16.6	16.9	16.9	17.0	.37	.36	.47	.00	.10
22:00	14.8	15.0	15.0	15.0	.21	.18	.25	-.03	.04
23:00	14.7	15.0	15.0	15.1	.34	.36	.46	.01	.11
Avg	11.0	11.4	11.4	11.7	.38	.41	.70	.03	.32
Max	18.7	18.8	18.6	18.6	1.48	2.08	4.00	.75	2.52
Hr. of Max	20	20	20	20	00	00	00	03	00
Min	3.5	4.4	4.9	5.4	-.42	-.83	-1.07	-.41	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/28/2016

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	.0	.1	1.2	9.7	78.1	70.9	4.8	4.8	0.003888
01:00	.2	.0	1.3	9.7	78.9	71.1	4.9	4.8	0.003929
02:00	.3	-.1	1.5	9.6	78.6	69.0	4.9	4.7	0.003971
03:00	.3	.0	1.3	9.6	80.1	73.4	4.9	4.8	0.003957
04:00	.5	.3	1.5	9.6	81.2	74.5	5.0	4.9	0.004015
05:00	.8	.7	1.9	9.5	80.1	74.8	5.1	5.0	0.004128
06:00	1.0	1.0	2.1	9.5	80.9	74.5	5.2	5.1	0.004185
07:00	1.3	.6	2.4	9.5	80.6	71.9	5.3	5.0	0.004282
08:00	1.3	.3	2.8	9.5	74.7	68.1	5.3	4.9	0.004295
09:00	.3	-.2	2.7	9.5	61.7	59.9	4.9	4.7	0.004001
10:00	.4	.0	3.2	9.5	55.9	55.2	4.9	4.7	0.004014
11:00	.5	.1	3.9	9.6	49.9	49.9	4.9	4.7	0.004062
12:00	2.1	1.7		9.8	46.0	46.1	5.4	5.3	0.004575
13:00	5.7	5.4	9.3	10.0	49.4	49.2	6.9	6.8	0.005923
14:00	6.5	6.2	10.3	10.3	47.7	47.7	7.3	7.1	0.006258
15:00	5.9	5.7	10.0	10.6	45.2	44.9	7.0	6.9	0.006021
16:00	6.0	5.8	9.8	10.9	47.8	47.1	7.0	6.9	0.006055
17:00	6.1	6.0	9.9	11.1	48.3	47.2	7.1	7.0	0.006141
18:00	6.6	6.4	10.2	11.3	49.4	48.4	7.3	7.2	0.006338
19:00	7.0	6.9	10.5	11.4	51.0	50.0	7.6	7.5	0.006541
20:00	8.0	7.8	11.5	11.5	50.5	49.6	8.0	7.9	0.006977
21:00	10.4	10.1	12.5	11.6	69.7	66.5	9.5	9.3	0.008247
22:00	12.1	12.0	13.0	11.8	85.2	83.4	10.6	10.5	0.00916
23:00	12.0	11.8	12.9	11.9	85.2	82.7	10.6	10.5	0.009101
Avg	4.0	3.7	6.3	10.3	64.8	61.5	6.4	6.3	0.005419
Max	12.1	12.0	13.0	11.9	85.2	83.4	10.6	10.5	0.00916
Hr. of Max	22	22	22	23	23	22	23	23	22
Min	.0	-.2	1.2	9.5	45.2	44.9	4.8	4.7	0.003888
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/28/2016

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	0.003913	6.1	6.2	.00	29.17	987.9	-3.3	.00	82.4
01:00	0.003872	6.2	6.1	.00	29.15	987.3	-2.6	.00	79.9
02:00	0.003855	6.3	6.1	.00	29.15	987.2	-3.4	.00	72.4
03:00	0.003872	6.2	6.1	.00	29.15	987.3	-1.9	.00	233.4
04:00	0.003971	6.3	6.3	.00	29.15	987.1	-2.7	.00	78.9
05:00	0.004101	6.5	6.5	.00	29.13	986.7	-2.9	.00	68.3
06:00	0.004181	6.6	6.6	.00	29.13	986.5	-2.7	.00	74.6
07:00	0.004062	6.7	6.4	.00	29.11	985.8	3.7	.01	63.5
08:00	0.003992	6.8	6.3	.00	29.10	985.4	40.3	.06	69.6
09:00	0.003838	6.3	6.0	.00	29.08	984.9	74.0	.11	75.0
10:00	0.003897	6.3	6.1	.00	29.07	984.5	113.5	.16	58.6
11:00	0.003951	6.4	6.2	.00	29.03	983.3	308.0	.44	68.8
12:00	0.00447	7.2	7.0	.00	28.98	981.5	298.0	.43	86.9
13:00	0.00581	9.2	9.1	.00	28.93	979.7	184.2	.26	163.7
14:00	0.006161	9.7	9.6	.00	28.88	978.1	196.4	.28	172.0
15:00	0.005941	9.4	9.2	.00	28.86	977.4	97.2	.14	182.5
16:00	0.005979	9.4	9.3	.00	28.82	976.1	22.8	.03	163.8
17:00	0.006063	9.5	9.4	.00	28.79	975.0	-.2	.00	189.3
18:00	0.006255	9.8	9.7	.00	28.77	974.3	-2.9	.00	197.5
19:00	0.006466	10.1	10.0	.00	28.75	973.6	-2.9	.00	206.5
20:00	0.006892	10.8	10.7	.00	28.72	972.8	-2.0	.00	184.4
21:00	0.008066	12.7	12.5	.09	28.75	973.7	-1.8	.00	207.2
22:00	0.009089	14.1	14.0	.02	28.76	974.0	-1.7	.00	201.3
23:00	0.009023	14.0	13.9	.00	28.74	973.3	-2.5	.00	227.6
Avg	0.005322	8.4	8.3	.00	28.97	981.0	54.4	.08	130.0
Max	0.009089	14.1	14.0	.09	29.17	987.9	308.0	.44	233.4
Hr. of Max	22	22	22	21	00	00	11	11	03
Min	0.003838	6.1	6.0	.00	28.72	972.8	-3.4	.00	58.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/28/2016

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	64.6	17.2	77.9	6.8	16.4	12.4	20.0	.8	2.2
01:00	49.8	49.5	72.4	39.7	27.4	22.7	19.2	.8	2.2
02:00	60.9	56.9	59.8 +	48.1	18.8	15.2	12.7	1.0	2.1
03:00	217.2	141.7	244.5	134.3	62.8	46.3	46.6	1.3	1.0
04:00	58.2	76.1	14.6	65.5	29.7	23.3	15.1	.4	1.1
05:00	61.3	54.4	53.5	45.3	15.3	8.6	4.4	.9	2.5
06:00	50.8	50.4	61.3	40.8	18.3	13.3	6.5	.7	2.2
07:00	58.5	58.8	51.4	49.5	15.1	10.2	7.1	1.1	2.8
08:00	53.6	54.9	56.2	45.4	21.9	12.2	7.6	.8	2.5
09:00	62.0	61.3	68.1	52.6	21.2	17.8	9.8	1.6	2.4
10:00	52.0	57.5	51.8	48.2	23.1	19.0	13.0	2.2	3.6
11:00	55.0	58.7	62.9	50.1	29.8	25.4	16.8	2.5	3.4
12:00	80.2	84.6	82.5	76.2	35.2	35.7	28.6	1.5	2.1
13:00	179.0	174.8	170.0	168.7	45.2	38.6	28.8	2.8	3.9
14:00	175.5	175.6	173.2	170.3	35.0	30.2	25.1	6.4	8.4
15:00	186.9	182.6	183.4	177.4	26.9	23.6	19.7	9.7	12.6
16:00	171.4	170.8	165.0	165.8	37.4	30.9	26.6	6.9	9.3
17:00	194.8	188.5	190.7	183.2	32.9	28.4	22.8	5.8	7.7
18:00	201.3	195.8	199.0	190.6	30.4	24.9	20.8	6.9	9.0
19:00	207.7	198.0	207.1	192.9	33.5	25.1	22.8	5.8	8.1
20:00	190.2	187.4	186.2 +	182.0	32.8	27.3	22.4	9.3	12.9
21:00	208.0	201.5	208.8	196.6	26.9	20.4	16.8	7.8	11.4
22:00	205.5	195.5	203.0	190.4	27.1	23.7	18.7	6.4	8.8
23:00	226.2	216.1	229.0	211.3	27.2	18.9	15.9	4.7	7.4
Avg	125.0	120.0	125.0	113.0	28.8	23.1	18.7	.0	.0
Max	226.2	216.1	244.5	211.3	62.8	46.3	46.6	9.7	12.9
Hr. of Max	23	23	03	23	03	03	03	15	20
Min	49.8	17.2	14.6	6.8	15.1	8.6	4.4	.4	1.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/28/2016

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	1.6	.9	2.3	1.9	1.1	2.1	.4	1.8	.00
01:00	3.5	1.0	2.5	3.8	1.3	4.1	1.3	2.1	.02
02:00	2.7	1.1	2.3	2.8	1.3	3.0	1.4	1.9	.01
03:00	.4	1.6	1.6	.6	2.0	1.0	.0	.9	.01
04:00	1.2	.4	1.1	1.3	.9	1.6	.3	.0	.00
05:00	4.1	.9	2.5	4.1	1.2	4.3	.4	.6	-.01
06:00	3.9	.8	2.3	3.9	1.1	4.1	1.1	.5	.01
07:00	4.2	1.3	3.0	4.3	1.5	4.5	.2	-.3	-.03
08:00	3.7	.9	2.6	3.8	1.2	4.0	.2	-1.1	-.01
09:00	3.1	1.8	2.5	3.1	2.0	3.4	2.2	1.1	.01
10:00	4.4	2.5	3.8	4.5	2.9	4.8	2.4	.6	.04
11:00	4.2	2.8	3.6	4.3	3.3	4.7	1.9	3.4	-.06
12:00	2.7	2.4	3.1	3.8	2.8	4.3	4.9	5.4	.19
13:00	6.0	3.5	4.5	6.5	4.3	7.1	2.3	-1.6	.00
14:00	10.7	7.5	9.3	11.5	8.2	12.2	3.6	1.6	.31
15:00	15.6	10.8	13.8	16.7	11.7	17.3	.9	-2.1	-.08
16:00	11.7	8.2	10.3	12.7	9.4	13.6	.2	.1	-.35
17:00	9.8	6.7	8.5	10.5	7.3	11.2	2.0	-.1	-.04
18:00	11.7	7.7	9.8	12.4	8.5	13.1	.4	.0	-.27
19:00	10.7	6.6	8.8	11.4	7.5	12.1	1.6	.1	-.05
20:00	16.8	10.6	14.1	17.9	11.6	18.7	1.5	-1.7	-.13
21:00	14.8	8.8	12.3	15.5	9.6	16.1	.0	-1.3	-.23
22:00	11.7	7.0	9.4	12.3	7.6	12.8	1.9	.5	.06
23:00	9.7	5.2	7.9	10.3	5.7	10.7	2.9	-.1	.09
Avg	.0	4.2	5.9	7.5	4.8	8.0	1.4	.5	-.02
Max	16.8	10.8	14.1	17.9	11.7	18.7	4.9	5.4	.31
Hr. of Max	20	15	20	20	15	20	12	12	14
Min	.4	.4	1.1	.6	.9	1.0	.0	-2.1	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/28/2016

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	.07	2.1	6.0	6.2	8.3	9.1	5.2	7.5
01:00	.14	3.9	6.2	6.4	9.9	6.2	5.0	7.2
02:00	.12	3.0	4.4	4.6	10.0	6.6	5.4	7.2
03:00	.04	4.1	4.8	3.0	7.0	17.3	4.6	6.0
04:00	.03	3.0	4.1	3.9	11.1	15.2	4.7	5.4
05:00	.05	2.3	4.4	5.5	11.3	3.7	5.2	5.4
06:00	.04	3.2	7.1	10.1	9.4	3.2	5.5	5.7
07:00	-.04	3.9	4.8	6.0	10.4	3.5	5.6	5.9
08:00	-.07	2.3	4.6	6.9	16.0	4.8	6.1	6.1
09:00	.06	4.4	5.7	7.1	19.2	7.8	7.4	6.8
10:00	-.01	6.4	7.8	8.7	21.7	11.3	8.8	8.1
11:00	.18	6.6	8.0	8.9	22.8	15.5	10.5	9.5
12:00	.28	8.5	9.2	10.8	28.4	22.3	13.5	12.7
13:00	-.45	17.9	20.6	20.8	27.6	21.5	16.7	16.0
14:00	-.11	23.4	24.7	33.0	20.3	17.9	18.1	17.4
15:00	-.98	32.1	46.0	63.0	18.2	14.3	18.4	17.7
16:00	-.57	32.3	36.9	31.6	21.0	20.3	17.8	17.2
17:00	-.51	24.0	27.2	44.2	21.0	17.5	18.0	17.4
18:00	-.37	22.4	28.4	32.1	19.9	15.3	18.1	17.5
19:00	-.36	24.3	25.0	31.8	19.4	15.6	18.1	17.6
20:00	-.97	40.3	41.9	49.5	20.5	15.4	19.2	18.7
21:00	-.64	29.3	37.6	43.5	16.3	11.7	17.8	17.6
22:00	-.15	23.4	26.1	32.1	18.5	13.8	16.0	15.7
23:00	-.18	14.0	17.2	24.5	17.6	11.2	15.9	15.7
Avg	-.18	14.0	17.0	20.6	16.9	12.5	11.7	11.8
Max	.28	40.3	46.0	63.0	28.4	22.3	19.2	18.7
Hr. of Max	12	20	15	15	12	12	20	20
Min	-.98	2.1	4.1	3.0	7.0	3.2	4.6	5.4
Count	24	24	24	24	24	24	24	24
Total								