Date Printed: 12/26/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/25/2016

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	10.2	10.4	10.4	10.4	.25	.24	.26	-.01	.01
01:00	10.3	10.6	10.6	10.6	.29	.31	.30	.02	.02
02:00	10.6	10.9	10.9	10.9	.31	.29	.29	-.02	-.01
03:00	10.7	11.0	11.0	11.0	.25	.23	.21	-.03	-.04
04:00	10.8	11.1	11.0	11.0	.29	.26	.24	-.03	-.05
05:00	10.8	11.1	11.0	11.0	.29	.27	.26	-.02	-.03
06:00	10.8	11.1	11.1	11.0	.27	.24	.22	-.03	-.06
07:00	10.8	11.1	11.1	11.0	.27	.23	.20	-.04	-.07
08:00	11.1	11.3	11.3	11.2	.16	.13	.10	-.03	-.06
09:00	11.8	11.8	11.6	11.5	-.06	-.21	-.31	-.15	-.25
10:00	12.6	12.4	12.2	12.0	-.21	-.47	-.60	-.25	-.39
11:00	14.0	13.7	13.4	13.3	-.32	-.57	-.70	-.24	-.38
12:00	16.0	15.7	15.4	15.3	-.39	-.67	-.78	-.28	-.39
13:00	17.9	17.5	17.3	17.2	-.36	-.57	-.71	-.21	-.35
14:00	19.3	18.9	18.7	18.5	-.42	-.65	-.83	-.22	-.41
15:00	20.2	19.9	19.7	19.5	-.26	-.48	-.66	-.22	-.40
16:00	19.6	20.0	19.9	19.8	.39	.26	.19	-.13	-.20
17:00	17.9	19.3	19.4	19.5	1.36	1.43	1.53	.07	.17
18:00	16.7	18.2	18.7	18.8	1.48	1.96	2.10	.48	.63
19:00	16.2	17.9	18.5	18.8	1.77	2.35	2.64	.58	.87
20:00	15.8	17.5	18.3	18.6	1.65	2.54	2.83	.89	1.18
21:00	15.2	16.5	17.7	18.2	1.37	2.54	3.07	1.17	1.70
22:00	13.6	15.5	16.5	17.2	1.88	2.87	3.61	.98	1.72
23:00	12.6	14.1	14.9	16.0	1.49	2.30	3.48	.81	2.00
Avg	14.0	14.5	14.6	14.7	.49	.62	.71	.13	.22
Max	20.2	20.0	19.9	19.8	1.88	2.87	3.61	1.17	2.00
Hr. of Max	15	16	16	16	22	22	22	21	23
Min	10.2	10.4	10.4	10.4	-.42	-.67	-.83	-.28	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/25/2016

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	9.4	10.2	9.6	8.7	96.2	100.1	9.0	9.5	0.007466
01:00	9.5	10.4	9.8	8.7	96.2	100.1	9.1	9.6	0.007539
02:00	9.8	10.7	10.1	8.8	96.2	100.2	9.3	9.8	0.007687
03:00	10.0	10.8	10.2	8.8	96.3	100.2	9.4	9.9	0.007776
04:00	10.0	10.9	10.3	8.9	96.3	100.2	9.4	9.9	0.007786
05:00	10.0	10.9	10.3	8.9	96.4	100.2	9.4	9.9	0.007791
06:00	10.1	10.9	10.3	8.9	96.4	100.2	9.4	10.0	0.007815
07:00	10.1	10.9	10.3	9.0	96.4	100.2	9.4	10.0	0.007829
08:00	10.4	11.1	10.7	9.0	96.5	100.1	9.6	10.1	0.007992
09:00	11.1	11.6	11.3	9.1	96.5	100.1	10.0	10.4	0.008353
10:00	11.8	12.2	12.1	9.1	96.1	99.9	10.5	10.8	0.008779
11:00	12.6	12.5	13.1	9.3	92.6	94.2	11.0	11.0	0.009246
12:00	12.7	12.2	13.8	9.5	81.9	81.0	11.0	10.7	0.009332
13:00	12.3	12.7	14.2	9.7	71.2	74.5	10.7	11.0	0.009132
14:00	12.2	12.4	14.6	9.9	64.6	67.2	10.6	10.8	0.009096
15:00	12.4	12.7	15.0	10.1	61.9	64.2	10.7	10.9	0.009167
16:00	13.0	13.4	15.2	10.3	67.1	67.1	11.2	11.4	0.009571
17:00	13.7	13.7	15.1	10.5	77.7	71.6	11.7	11.7	0.009988
18:00	14.1	14.0	15.0	10.7	86.0	77.8	12.1	11.9	0.010265
19:00	14.1	14.0	14.8	10.8	88.9	79.1	12.1	11.9	0.010216
20:00	14.1	13.8	14.7	10.9	91.3	80.4	12.1	11.8	0.010261
21:00	13.8	13.9	14.3	11.0	93.3	86.2	11.9	11.9	0.010056
22:00	12.8	14.0	13.1	11.0	96.4	92.5	11.2	12.0	0.009398
23:00	11.8	13.7	12.1	11.0	96.5	99.3	10.5	11.9	0.00879
Avg	11.7	12.2	12.5	9.7	88.7	89.0	10.5	10.8	0.008805
Max	14.1	14.0	15.2	11.0	96.5	100.2	12.1	12.0	0.010265
Hr. of Max	20	22	16	23	23	07	20	22	18
Min	9.4	10.2	9.6	8.7	61.9	64.2	9.0	9.5	0.007466
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/25/2016

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	0.007902	11.8	12.5	.02	29.38	995.1	-3.6	-.01	51.8
01:00	0.008	11.9	12.6	.10	29.38	995.0	-1.5	.00	58.9
02:00	0.008169	12.1	12.9	.00	29.38	995.1	-2.6	.00	58.1
03:00	0.008226	12.3	13.0	.00	29.39	995.3	-2.5	.00	72.6
04:00	0.008256	12.3	13.0	.02	29.39	995.4	-2.2	.00	60.1
05:00	0.008256	12.3	13.0	.00	29.40	995.5	-2.5	.00	55.0
06:00	0.008271	12.4	13.1	.00	29.41	995.9	-1.3	.00	56.2
07:00	0.008282	12.4	13.1	.02	29.42	996.2	-1.7	.00	55.3
08:00	0.008383	12.6	13.3	.01	29.43	996.7	33.3	.05	57.1
09:00	0.008631	13.2	13.6	.01	29.45	997.2	73.7	.11	68.2
10:00	0.008997	13.9	14.2	.01	29.46	997.6	179.4	.26	49.4
11:00	0.009209	14.6	14.5	.00	29.45	997.3	379.8	.54	87.5
12:00	0.009003	14.7	14.2	.01	29.42	996.4	431.5	.62	124.0
13:00	0.009346	14.4	14.7	.00	29.40	995.5	464.0	.67	126.8
14:00	0.009202	14.3	14.5	.00	29.38	995.0	415.4	.60	152.0
15:00	0.009363	14.4	14.8	.00	29.38	994.8	291.5	.42	111.7
16:00	0.009817	15.1	15.5	.00	29.38	995.0	90.8	.13	98.3
17:00	0.01003	15.7	15.8	.00	29.39	995.2	5.8	.01	81.7
18:00	0.010186	16.2	16.0	.00	29.40	995.7	-3.0	.00	73.8
19:00	0.010161	16.1	16.0	.00	29.41	995.9	-2.1	.00	61.0
20:00	0.010023	16.2	15.8	.00	29.41	995.9	-2.0	.00	88.6
21:00	0.010136	15.8	16.0	.00	29.41	995.9	-2.0	.00	85.0
22:00	0.010175	14.8	16.0	.00	29.41	996.1	-1.8	.00	105.1
23:00	0.009966	13.9	15.7	.00	29.42	996.4	-2.5	.00	83.6
Avg	0.009083	13.9	14.3	.01	29.41	995.8	97.2	.14	79.0
Max	0.010186	16.2	16.0	.10	29.46	997.6	464.0	.67	152.0
Hr. of Max	18	20	22	01	10	10	13	13	14
Min	0.007902	11.8	12.5	.00	29.38	994.8	-3.6	-.01	49.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/25/2016

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	48.1	67.9	18.7	58.3	26.3	22.7	13.5	.7	1.7
01:00	45.4	51.9	32.5	41.3	16.9	12.7	8.7	.9	2.3
02:00	54.3	59.4	46.5	49.6	17.1	11.5	7.7	1.6	3.1
03:00	62.4	60.1	47.0	50.2	13.3	14.2	10.9	.8	2.2
04:00	46.9	52.7	20.4	41.8	19.2	19.2	14.0	.6	1.6
05:00	56.6	61.0	38.5	51.5	11.8	9.5	6.4	1.3	2.7
06:00	53.4	61.8	42.1	52.4	14.0	5.9	5.3	1.6	3.7
07:00	53.3	60.4	39.8	50.9	16.8	13.5	9.8	1.4	3.4
08:00	46.8	51.8	33.1	41.7	20.2	13.7	10.6	1.0	2.6
09:00	58.0	62.1	57.1	52.7	19.1	13.5	9.8	1.3	2.7
10:00	46.7	50.2	34.7	39.6	24.4	14.6	9.6	1.8	3.3
11:00	78.4	64.9	83.3	53.2	20.5	21.8	25.0	2.3	2.4
12:00	132.3	114.4	130.0	106.9	23.0	30.8	41.3	1.4	1.2
13:00	158.4	174.0	128.6 +	164.4	31.4	49.6	49.3	1.4	1.2
14:00	191.7	183.5	179.8	179.7	56.0	52.3	57.6	.8	.9
15:00	123.0	117.7	117.0	108.0	35.6	54.5	55.5	1.1	1.0
16:00	103.6	107.5	95.3	98.1	21.7	19.6	18.7	1.9	2.5
17:00	92.9	101.5	71.0	92.3	13.0	13.0	12.6	.9	1.9
18:00	34.0	65.4	57.2	55.4	18.9	14.4	13.1	.8	1.8
19:00	62.2	94.4	46.6 +	85.7	28.3	22.4	21.6	1.2	2.5
20:00	88.0	110.3	76.7	102.9	31.1	31.4	23.6	.7	1.5
21:00	51.9	89.3	73.4	79.8	29.7	23.7	21.6	.7	1.9
22:00	41.7	60.8	180.0	52.4	22.8	38.0	25.3	.1	.5
23:00	60.5	53.7	50.3	31.3	16.3	30.4	36.2	.4	1.6
Avg	69.0	78.0	64.0	68.0	22.8	23.0	21.2	.0	.0
Max	191.7	183.5	180.0	179.7	56.0	54.5	57.6	2.3	3.7
Hr. of Max	14	14	22	14	14	15	14	11	06
Min	34.0	50.2	18.7	31.3	11.8	5.9	5.3	.1	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/25/2016

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	2.3	.9	2.0	2.5	1.3	2.7	-1.8	-.5	-.08
01:00	3.1	1.0	2.5	3.2	1.4	3.4	-3.0	-1.8	-.10
02:00	4.3	1.7	3.3	4.4	1.9	4.5	-3.0	-2.3	-.14
03:00	3.0	.9	2.3	3.1	1.2	3.2	-3.1	-1.5	-.08
04:00	2.1	.7	1.7	2.3	1.1	2.5	-2.8	-1.6	-.08
05:00	3.7	1.4	2.8	3.7	1.6	3.9	-4.8	-1.5	-.16
06:00	3.8	1.6	3.7	3.8	1.8	4.0	-3.2	-3.1	-.16
07:00	4.2	1.5	3.5	4.3	1.8	4.5	-3.4	-1.2	-.16
08:00	3.4	1.1	2.9	3.6	1.4	3.8	-.5	-.4	-.05
09:00	3.1	1.4	2.8	3.2	1.8	3.4	-.3	-1.6	-.08
10:00	3.5	2.0	3.4	3.6	2.3	3.8	-1.7	-3.0	-.20
11:00	2.4	2.6	2.7	2.7	2.9	3.1	.2	-.2	.01
12:00	1.0	1.7	1.5	1.4	2.2	1.9	-.7	-10.2	.00
13:00	1.1	1.7	1.4	1.6	2.3	2.2	-4.2	-8.6	-.17
14:00	.9	1.5	1.5	1.5	2.2	2.2	.6	-9.8	.00
15:00	1.2	1.4	1.5	1.6	2.0	2.1	3.0	.6	.09
16:00	3.1	2.0	2.8	3.5	2.3	3.8	4.8	.5	.16
17:00	3.1	1.0	2.2	3.3	1.3	3.5	1.4	1.2	.03
18:00	2.8	.9	1.9	2.9	1.2	3.1	2.6	-.4	.05
19:00	3.4	1.4	2.7	3.7	1.7	4.0	2.9	-.4	.08
20:00	2.6	.8	1.9	2.9	1.3	3.3	2.8	-2.6	.06
21:00	2.9	.8	2.1	3.2	1.3	3.5	1.2	-1.1	.04
22:00	1.0	.1	.6	1.1	.6	1.4	2.9	.2	.05
23:00	1.1	.4	1.6	1.3	.7	1.5	1.9	1.0	.02
Avg	.0	1.3	2.3	2.9	1.7	3.1	-.3	-2.0	-.04
Max	4.3	2.6	3.7	4.4	2.9	4.5	4.8	1.2	.16
Hr. of Max	02	11	06	02	11	07	16	17	16
Min	.9	.1	.6	1.1	.6	1.4	-4.8	-10.2	-.20
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/25/2016

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	-.03	3.9	4.8	6.2	11.8	7.1	11.0	10.8
01:00	-.11	2.7	4.1	5.5	11.0	3.8	11.2	11.0
02:00	-.18	4.6	6.2	9.4	11.4	4.3	11.6	11.3
03:00	-.09	3.4	6.0	7.6	11.7	5.2	11.7	11.4
04:00	-.05	2.7	4.8	4.6	13.1	6.9	11.7	11.4
05:00	-.09	3.0	5.0	6.4	11.3	4.4	11.7	11.4
06:00	-.21	3.9	7.3	6.2	14.2	3.7	11.8	11.4
07:00	-.11	4.1	8.2	8.2	14.3	4.9	11.8	11.4
08:00	-.02	3.2	8.0	10.5	17.6	5.7	12.0	11.7
09:00	-.10	3.7	6.0	5.3	19.8	6.6	12.5	11.9
10:00	-.23	5.0	8.9	8.2	22.1	8.2	13.2	12.5
11:00	.03	5.7	7.6	7.6	21.1	22.1	14.5	13.8
12:00	-.31	4.1	5.0	4.6	24.0	32.8	16.4	15.8
13:00	-.35	5.5	5.5	6.2	29.6	34.1	18.3	17.7
14:00	-.44	5.7	6.2	5.3	31.3	33.7	19.8	19.0
15:00	-.05	5.0	5.3	6.2	29.3	34.5	20.8	20.1
16:00	.04	6.6	5.5	6.6	16.9	13.3	20.8	20.3
17:00	.06	3.9	4.6	5.7	11.8	7.2	20.1	20.0
18:00	-.02	2.7	3.9	7.1	11.7	8.6	19.0	19.4
19:00	-.11	3.9	5.5	8.0	15.6	14.5	18.7	19.3
20:00	-.20	4.1	5.0	7.6	20.4	15.9	18.3	19.1
21:00	-.11	3.4	6.9	9.8	17.2	16.0	17.4	18.7
22:00	.01	1.8	5.3	8.5	12.4	17.2	16.3	17.7
23:00	.04	1.6	3.2	2.5	9.7	11.0	14.8	16.7
Avg	-.11	3.9	5.8	6.8	17.1	13.4	15.2	15.2
Max	.06	6.6	8.9	10.5	31.3	34.5	20.8	20.3
Hr. of Max	17	16	10	08	14	15	16	16
Min	-.44	1.6	3.2	2.5	9.7	3.7	11.0	10.8
Count	24	24	24	24	24	24	24	24
Total								