Date Printed: 12/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/19/2016

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	-1.9	-2.1	-2.3	-2.4	-.13	-.35	-.48	-.22	-.36
01:00	-1.9	-2.0	-2.2	-2.4	-.12	-.33	-.46	-.21	-.34
02:00	-1.8	-1.9	-2.1	-2.2	-.11	-.31	-.44	-.20	-.32
03:00	-1.7	-1.8	-2.0	-2.1	-.11	-.32	-.45	-.21	-.33
04:00	-1.6	-1.7	-1.9	-2.0	-.11	-.31	-.44	-.20	-.34
05:00	-1.6	-1.7	-1.9	-2.0	-.11	-.31	-.44	-.20	-.33
06:00	-1.5	-1.6	-1.8	-1.9	-.10	-.30	-.43	-.20	-.33
07:00	-1.2	-1.3	-1.5	-1.6	-.08	-.27	-.39	-.19	-.31
08:00	-.9	-1.0	-1.2	-1.3	-.10	-.31	-.44	-.21	-.34
09:00	-.5	-.7	-.9	-1.1	-.20	-.46	-.61	-.26	-.41
10:00	.1	-.1	-.4	-.6	-.25	-.55	-.75	-.30	-.49
11:00	.5	.2	-.2	-.4	-.39	-.75	-.96	-.36	-.57
12:00	.8	.3	-.1	-.3	-.47	-.87	-1.08	-.40	-.62
13:00	1.0	.6	.2	.0	-.43	-.82	-1.02	-.39	-.59
14:00	1.6	1.1	.7	.5	-.54	-.91	-1.14	-.37	-.59
15:00	2.1	1.5	1.2	.9	-.51	-.89	-1.10	-.38	-.59
16:00	1.8	1.5	1.2	1.0	-.28	-.58	-.76	-.30	-.49
17:00	.4	.8	.8	.7	.38	.32	.29	-.06	-.09
18:00	-1.1	.1	.2	.2	1.16	1.28	1.34	.12	.18
19:00	-1.8	-.3	-.2	-.2	1.48	1.55	1.59	.08	.11
20:00	-2.7	-1.1	-.9	-.6	1.54	1.78	2.02	.24	.48
21:00	-3.1	-1.8	-1.3	-1.0	1.26	1.83	2.09	.57	.83
22:00	-3.5	-2.2	-1.7	-1.2	1.38	1.84	2.30	.47	.92
23:00	-3.6	-2.2	-1.8	-1.5	1.44	1.80	2.08	.35	.64
Avg	-.9	-.7	-.8	-.9	.19	.07	.01	-.12	-.18
Max	2.1	1.5	1.2	1.0	1.54	1.84	2.30	.57	.92
Hr. of Max	15	16	16	16	20	22	22	21	22
Min	-3.6	-2.2	-2.3	-2.4	-.54	-.91	-1.14	-.40	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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12/19/2016

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	-5.7	-6.2	-4.5	6.3	75.6	73.5	3.2	3.1	0.002485
01:00	-5.8	-6.2	-4.5	6.2	75.1	73.3	3.2	3.1	0.002473
02:00	-5.6	-6.2	-4.3	6.0	75.1	72.9	3.2	3.1	0.002502
03:00	-5.5	-6.0	-4.2	5.9	75.5	73.3	3.2	3.1	0.00253
04:00	-5.5	-5.9	-4.2	5.8	75.4	73.4	3.3	3.1	0.002536
05:00	-5.4	-5.9	-4.1	5.7	75.3	73.0	3.3	3.1	0.002544
06:00	-5.4	-5.9	-4.1	5.6	74.7	72.7	3.3	3.1	0.002538
07:00	-5.2	-5.6	-3.8	5.5	75.0	72.9	3.3	3.2	0.002594
08:00	-4.9	-5.4	-3.6	5.4	74.3	72.3	3.4	3.3	0.002635
09:00	-4.7	-5.2	-3.3	5.3	73.6	71.6	3.4	3.3	0.002687
10:00	-4.4	-4.9		5.2	72.3	70.7	3.5	3.4	0.002755
11:00	-4.3	-5.0	-2.7	5.2	70.4	68.9	3.5	3.4	0.002766
12:00	-4.3	-5.0	-2.6	5.3	69.2	67.8	3.5	3.3	0.002777
13:00	-4.2	-4.8	-2.5	5.4	68.4	67.4	3.5	3.4	0.002787
14:00	-4.0	-4.7	-2.1	5.5	66.8	65.5	3.6	3.4	0.002843
15:00	-3.9	-4.5	-1.9	5.6	64.9	64.4	3.6	3.5	0.002852
16:00	-4.0	-4.4	-2.1	5.7	66.0	65.4	3.6	3.5	0.002839
17:00	-4.0	-4.4	-2.5	5.6	72.3	68.6	3.6	3.5	0.002824
18:00	-3.6	-4.0	-2.8	5.6	83.4	74.7	3.7	3.6	0.002906
19:00	-3.5	-3.9	-2.9	5.5	88.3	76.8	3.8	3.6	0.002931
20:00	-3.9	-3.9	-3.5	5.4	91.4	81.7	3.7	3.6	0.002844
21:00	-4.2	-3.8	-3.9	5.3	92.3	86.7	3.6	3.7	0.002775
22:00	-4.6	-3.8	-4.3	5.2	92.4	88.8	3.5	3.7	0.002696
23:00	-4.7	-3.9	-4.4	5.0	92.6	88.2	3.5	3.7	0.00268
Avg	-4.6	-5.0	-3.4	5.6	76.7	73.5	3.5	3.4	0.0027
Max	-3.5	-3.8	-1.9	6.3	92.6	88.8	3.8	3.7	0.002931
Hr. of Max	19	22	15	00	23	22	19	23	19
Min	-5.8	-6.2	-4.5	5.0	64.9	64.4	3.2	3.1	0.002473
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/19/2016

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	0.002391	4.0	3.8	.00	29.58	1001.8	-2.8	.00	53.6
01:00	0.002393	4.0	3.8	.00	29.60	1002.4	-2.4	.00	44.8
02:00	0.002406	4.0	3.9	.00	29.61	1002.8	-2.1	.00	44.6
03:00	0.002435	4.1	3.9	.00	29.63	1003.3	-2.4	.00	50.8
04:00	0.00245	4.1	3.9	.00	29.63	1003.5	-2.8	.00	57.9
05:00	0.002447	4.1	3.9	.00	29.64	1003.9	-2.1	.00	59.1
06:00	0.00245	4.1	3.9	.00	29.65	1004.1	-2.2	.00	55.5
07:00	0.002506	4.2	4.0	.00	29.66	1004.3	-1.8	.00	51.4
08:00	0.002544	4.2	4.1	.00	29.67	1004.7	22.3	.03	57.9
09:00	0.002576	4.3	4.1	.00	29.68	1005.1	75.8	.11	54.5
10:00	0.002644	4.4	4.3	.00	29.70	1005.7	133.2	.19	46.4
11:00	0.002632	4.5	4.2	.00	29.69	1005.5	229.1	.33	53.9
12:00	0.002628	4.5	4.2	.00	29.67	1004.8	252.4	.36	43.7
13:00	0.002664	4.5	4.3	.00	29.66	1004.3	233.9	.34	38.6
14:00	0.002681	4.6	4.3	.00	29.65	1004.0	367.8	.53	67.9
15:00	0.002727	4.6	4.4	.00	29.64	1003.8	325.2	.47	74.7
16:00	0.002754	4.6	4.4	.00	29.65	1004.1	151.1	.22	62.5
17:00	0.002753	4.5	4.4	.00	29.66	1004.5	10.2	.01	65.2
18:00	0.002834	4.7	4.6	.00	29.67	1004.6	-2.7	.00	61.5
19:00	0.002841	4.7	4.6	.00	29.67	1004.7	-2.8	.00	42.1
20:00	0.002848	4.6	4.6	.00	29.66	1004.3	-2.8	.00	54.4
21:00	0.002865	4.5	4.6	.00	29.64	1003.7	-2.2	.00	69.5
22:00	0.00287	4.3	4.6	.00	29.63	1003.5	-2.0	.00	72.3
23:00	0.002844	4.3	4.6	.00	29.63	1003.3	-2.5	.00	53.9
Avg	0.002633	4.4	4.2	.00	29.65	1004.0	73.6	.11	55.0
Max	0.00287	4.7	4.6	.00	29.70	1005.7	367.8	.53	74.7
Hr. of Max	22	19	23	23	10	10	14	14	15
Min	0.002391	4.0	3.8	.00	29.58	1001.8	-2.8	.00	38.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/19/2016

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	41.7	39.2	45.3	28.6	34.4	21.1	14.9	2.5	5.1
01:00	38.1	33.3	33.9	22.7	29.4	18.3	13.3	2.2	4.5
02:00	34.4	33.8	28.4 +	22.9	31.6	17.1	12.9	2.2	4.7
03:00	43.6	42.6	41.3	32.2	26.9	15.7	11.8	2.7	5.2
04:00	50.1	49.6	48.6	39.6	25.8	17.6	12.1	2.9	5.5
05:00	52.0	52.1	52.2	42.5	28.0	17.2	12.5	3.4	6.2
06:00	46.1	42.6	48.0	32.3	28.6	17.8	13.7	3.8	7.0
07:00	45.0	44.3	44.6	34.1	29.2	16.6	11.8	3.3	6.4
08:00	51.0	49.6	50.4	39.9	26.9	18.4	11.9	3.9	6.9
09:00	47.9	43.4	48.6	33.3	34.9	21.2	13.2	3.8	7.6
10:00	36.6	35.3	39.5	25.0	39.1	24.3	16.6	3.0	6.1
11:00	47.5	44.7	47.3	34.7	32.8	19.1	15.8	3.9	7.1
12:00	44.3	44.7	37.3 +	34.3	34.3	21.9	15.4	4.5	7.8
13:00	40.4	40.3	31.9	30.2	31.5	20.8	15.3	3.7	6.2
14:00	65.9	64.9	62.6	55.7	24.9	21.5	17.4	4.4	5.8
15:00	72.3	69.8	70.4	60.5	25.9	19.7	17.0	4.3	5.8
16:00	58.5	56.8	54.8	47.4	25.7	16.4	12.4	3.6	6.2
17:00	71.5	72.7	53.2	63.6	25.0	18.7	14.0	1.7	3.5
18:00	83.4	85.8	42.1	76.4	18.8	16.5	12.1	1.2	3.1
19:00	51.8	64.7	22.8	55.7	14.5	11.9	8.7	1.3	2.4
20:00	54.8	64.0	30.2	55.0	22.0	9.3	5.8	.9	2.1
21:00	57.0	50.2	31.4	40.5	17.6	12.9	5.4	.5	1.7
22:00	66.9	48.7	41.9	38.6	22.3	14.3	9.5	.5	1.8
23:00	52.6	64.3	25.6	55.3	29.1	15.4	7.0	1.0	2.8
Avg	52.0	51.0	43.0	41.0	27.5	17.7	12.5	.0	.0
Max	83.4	85.8	70.4	76.4	39.1	24.3	17.4	4.5	7.8
Hr. of Max	18	18	15	18	10	10	14	12	12
Min	34.4	33.3	22.8	22.7	14.5	9.3	5.4	.5	1.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/19/2016

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	6.9	2.8	5.4	7.1	3.2	7.5	3.9	2.4	.00
01:00	5.7	2.5	4.7	5.8	3.1	6.3	-1.7	.0	-.25
02:00	5.7	2.5	4.9	5.9	3.0	6.2	.4	1.2	-.18
03:00	6.5	3.0	5.4	6.7	3.3	7.0	.9	-.8	-.24
04:00	7.1	3.2	5.7	7.2	3.6	7.6	.6	.1	-.24
05:00	8.0	3.7	6.4	8.2	3.9	8.6	3.4	.2	-.11
06:00	8.9	4.2	7.3	9.2	4.4	9.6	1.3	-.2	-.17
07:00	8.3	3.6	6.6	8.5	4.0	8.9	1.1	-.2	-.22
08:00	8.9	4.2	7.2	9.0	4.6	9.5	.1	.9	-.28
09:00	9.6	4.3	7.9	9.8	4.7	10.3	1.9	.6	-.14
10:00	7.8	3.6	6.5	8.1	4.1	8.7	1.9	4.9	-.15
11:00	8.6	4.4	7.4	8.9	4.8	9.4	1.9	1.3	-.14
12:00	9.3	5.3	8.4	9.7	6.1	10.2	-1.4	-.4	-.42
13:00	7.3	4.3	6.6	7.5	4.9	8.0	-1.9	-.2	-.42
14:00	6.9	4.9	6.2	7.2	5.4	7.7	-1.4	.5	-.27
15:00	6.7	4.7	6.2	7.1	5.1	7.6	-.1	1.2	-.08
16:00	7.5	3.9	6.4	7.7	4.2	8.0	.2	-.6	-.19
17:00	5.0	1.8	3.8	5.2	2.2	5.5	-.8	5.2	-.07
18:00	4.6	1.2	3.2	4.7	1.5	5.0	1.1	3.5	-.01
19:00	3.6	1.3	2.5	3.7	1.5	3.9	-.1	-.1	-.04
20:00	3.7	.9	2.1	3.7	1.2	3.9	3.3	.9	.06
21:00	3.2	.5	1.7	3.2	.8	3.4	3.7	.5	.06
22:00	3.0	.6	1.9	3.2	1.0	3.4	2.7	1.0	.05
23:00	4.8	1.1	3.0	4.9	1.4	5.2	-1.1	.3	-.06
Avg	.0	3.0	5.3	6.8	3.4	7.1	.8	.9	-.15
Max	9.6	5.3	8.4	9.8	6.1	10.3	3.9	5.2	.06
Hr. of Max	09	12	12	09	12	09	00	17	21
Min	3.0	.5	1.7	3.2	.8	3.4	-1.9	-.8	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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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	.19	9.4	11.2	13.3	25.4	13.0	-2.0	-2.7
01:00	-.11	7.8	11.2	11.7	22.5	11.7	-2.0	-2.6
02:00	.06	8.0	12.1	11.2	22.3	10.2	-1.8	-2.5
03:00	-.18	9.2	15.6	15.3	22.4	8.6	-1.7	-2.4
04:00	-.08	9.8	12.4	13.7	23.2	9.7	-1.7	-2.3
05:00	-.07	14.7	15.1	16.3	22.7	10.8	-1.6	-2.3
06:00	-.15	14.7	17.9	19.2	22.3	10.8	-1.5	-2.2
07:00	-.12	13.5	16.0	17.4	22.5	9.5	-1.3	-1.9
08:00	.00	11.9	15.6	24.0	21.8	10.2	-.9	-1.6
09:00	-.07	12.6	16.7	17.9	23.0	11.4	-.6	-1.3
10:00	.50	12.4	18.1	19.2	24.9	15.3	-.1	-.9
11:00	.08	12.8	18.5	16.3	23.5	13.5	.2	-.7
12:00	-.16	13.1	17.9	19.0	19.3	10.8	.4	-.5
13:00	-.17	15.8	21.5	20.6	20.9	14.7	.7	-.2
14:00	-.03	14.2	12.4	14.4	19.0	15.0	1.2	.2
15:00	.11	13.1	15.1	13.7	18.7	14.5	1.7	.7
16:00	-.20	21.5	17.9	22.0	21.4	11.2	1.6	.8
17:00	.43	8.2	14.2	11.7	19.3	9.5	.9	.5
18:00	.29	3.4	5.7	9.2	16.5	7.4	.1	.0
19:00	-.02	3.4	6.2	8.7	10.9	6.1	-.3	-.4
20:00	.05	2.3	3.7	8.0	8.0	2.8	-1.1	-.8
21:00	.03	2.3	3.2	6.2	8.0	3.5	-1.8	-1.2
22:00	.06	2.1	3.2	7.3	9.9	4.6	-2.1	-1.4
23:00	.02	3.7	6.2	9.2	12.9	4.4	-2.1	-1.7
Avg	.02	10.0	12.8	14.4	19.2	10.0	-.7	-1.1
Max	.50	21.5	21.5	24.0	25.4	15.3	1.7	.8
Hr. of Max	10	16	13	08	00	10	15	16
Min	-.20	2.1	3.2	6.2	8.0	2.8	-2.1	-2.7
Count	24	24	24	24	24	24	24	24
Total								