Date Printed: 08/26/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2016

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	22.4	24.5	24.7	25.0	2.13	2.30	2.60	.17	.47
01:00	22.0	23.7	24.2	24.5	1.71	2.15	2.49	.43	.77
02:00	21.6	23.0	23.6	23.9	1.40	1.99	2.33	.59	.93
03:00	21.2	22.4	23.3	23.5	1.21	2.04	2.32	.83	1.11
04:00	20.9	22.3	22.9	23.2	1.39	1.91	2.27	.52	.88
05:00	20.7	22.0	22.4	22.9	1.31	1.67	2.24	.35	.92
06:00	20.8	21.9	22.3	22.7	1.06	1.45	1.89	.39	.83
07:00	21.5	22.3	22.6	22.8	.78	1.04	1.28	.26	.50
08:00	23.6 P	23.5 P	23.4 P	23.5 P	-.09 P	-.17 P	-.15 P	-.07 P	-.06 P
09:00	25.8 P	25.2 P	24.9 P	24.9 P	-.59 P	-.88 P	-.97 P	-.29 P	-.38 P
10:00	27.3	26.5	26.1	26.0	-.79	-1.18	-1.31	-.39	-.53
11:00	28.4	27.4	27.1	27.0	-.92	-1.24	-1.36	-.32	-.45
12:00	30.0	28.8	28.4	28.3	-1.18	-1.57	-1.69	-.39	-.51
13:00	31.1	30.0	29.7	29.6	-1.17	-1.47	-1.57	-.30	-.40
14:00	31.9	30.9	30.6	30.5	-1.03	-1.31	-1.36	-.28	-.32
15:00	32.5	31.6	31.3	31.2	-.89	-1.18	-1.28	-.29	-.39
16:00	33.3	32.2	31.8	31.7	-1.13	-1.48	-1.62	-.35	-.49
17:00	32.7	31.8	31.5	31.3	-.95	-1.25	-1.39	-.30	-.44
18:00	29.6	29.2	29.0	29.0	-.36	-.57	-.61	-.20	-.25
19:00	26.9	27.1	27.4	27.5	.26	.47	.64	.22	.39
20:00	25.1	25.7	26.3	26.7	.59	1.18	1.60	.59	1.01
21:00	24.0	24.9	25.4	26.0	.89	1.42	2.01	.52	1.12
22:00	23.3	24.2	25.0	25.5	.95	1.68	2.18	.73	1.24
23:00	22.9	23.9	24.3	24.6	.99	1.39	1.75	.40	.76
Avg	25.8	26.0	26.2	26.3	.23	.35	.51	.12	.28
Max	33.3	32.2	31.8	31.7	2.13	2.30	2.60	.83	1.24
Hr. of Max	16	16	16	16	00	00	00	03	22
Min	20.7	21.9	22.3	22.7	-1.18	-1.57	-1.69	-.39	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2016

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	20.6	21.1	21.2	25.9	92.2	83.6	17.9	18.3	0.015704
01:00	20.5	21.0	21.0	25.8	93.2	87.1	17.7	18.2	0.01552
02:00	20.2	21.2	20.7	25.6	93.9	91.9	17.5	18.5	0.015278
03:00	19.9	21.2	20.3	25.5	94.6	95.5	17.2	18.6	0.015007
04:00	19.7	21.1	20.1	25.4	94.6	95.1	16.9	18.4	0.014768
05:00	19.5	21.1	19.9	25.3	94.9	96.7	16.7	18.4	0.014581
06:00	19.6	21.1	20.0	25.2	95.0	97.8	16.9	18.4	0.014699
07:00	20.2	21.0	20.7	25.1	94.7	95.1	17.5	18.3	0.015296
08:00	21.3 P	20.7 P		25.0 P	89.2 P	86.3 P	18.5 P	17.9 P	0.016347 P
09:00	21.1 P	20.5 P	22.7 P	24.9 P	77.3 P	77.1 P	18.2 P	17.6 P	0.01616 P
10:00	20.5	20.0	22.8	24.9	68.6	69.4	17.5	17.0	0.015622
11:00	20.5	20.0	23.1	25.0	64.4	65.9	17.5	17.0	0.015654
12:00	20.8	20.3	23.9	25.2	59.7	61.6	17.7	17.2	0.015957
13:00	21.0	20.5	24.4	25.4	56.5	58.7	17.8	17.4	0.016135
14:00	20.8	20.5	24.5	25.8	53.7	55.7	17.6	17.3	0.015987
15:00	20.1	19.7	24.2	26.1	49.9	51.0	16.9	16.5	0.015364
16:00	20.1	19.4	24.5	26.4	47.4	48.4	16.8	16.2	0.015346
17:00	20.9	20.5	24.8	26.6	51.6	53.0	17.7	17.3	0.016112
18:00	21.1	21.0	23.9	26.9	62.4	63.4	18.0	18.0	0.016276
19:00	21.9	21.7	23.6	27.0	76.5	74.2	19.1	18.8	0.017078
20:00	21.7	21.8	22.8	27.0	83.5	81.2	18.9	19.0	0.016836
21:00	21.5	21.9	22.3	27.0	88.1	86.1	18.7	19.2	0.016588
22:00	21.3	22.1	21.9	26.9	90.9	90.6	18.5	19.5	0.016382
23:00	21.2	22.1	21.8	26.8	92.5	92.5	18.5	19.5	0.016287
Avg	20.7	20.9	22.4	25.9	77.7	77.4	17.8	18.0	0.015791
Max	21.9	22.1	24.8	27.0	95.0	97.8	19.1	19.5	0.017078
Hr. of Max	19	23	17	21	06	06	19	23	19
Min	19.5	19.4	19.9	24.9	47.4	48.4	16.7	16.2	0.014581
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2016

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	0.016197	24.4	25.1	.00	29.25	990.6	-2.0	.00	249.4
01:00	0.016102	24.1	25.0	.00	29.25	990.6	-2.3	.00	277.9
02:00	0.016285	23.7	25.3	.00	29.24	990.3	-1.9	.00	282.3
03:00	0.016313	23.3	25.3	.00	29.24	990.3	-2.5	.00	323.0
04:00	0.01616	23.0	25.1	.00	29.25	990.7	-2.5	.00	310.9
05:00	0.016111	22.7	25.0	.00	29.26	991.1	-2.1	.00	341.9
06:00	0.016141	22.9	25.1	.00	29.27	991.3	-2.1	.00	309.8
07:00	0.016097	23.8	25.0	.00	29.28	991.6	31.0	.04	306.5
08:00	0.015741 P	25.4 P	24.5 P	.00 P	29.29 P	991.8 P	207.6 P	.30 P	205.5 P
09:00	0.015568 P	25.1 P	24.2 P	.00 P	29.29 P	991.8 P	476.6 P	.68 P	217.7 P
10:00	0.015101	24.3	23.5	.00	29.28	991.6	639.5	.92	206.3
11:00	0.015171	24.3	23.6	.00	29.27	991.4	760.1	1.09	211.3
12:00	0.015388	24.8	23.9	.00	29.27	991.1	786.5	1.13	215.9
13:00	0.015681	25.0	24.4	.00	29.24	990.4	838.0	1.20	202.5
14:00	0.015646	24.8	24.3	.00	29.23	989.7	745.7	1.07	214.5
15:00	0.014944	23.8	23.2	.00	29.21	989.1	622.1	.89	248.9
16:00	0.014685	23.8	22.8	.00	29.19	988.6	734.8	1.05	225.4
17:00	0.015684	25.0	24.3	.00	29.18	988.3	483.4	.69	257.1
18:00	0.016215	25.2	25.1	.00	29.18	988.4	94.0	.13	262.3
19:00	0.016826	26.4	26.0	.00	29.18	988.2	20.6	.03	225.4
20:00	0.016942	26.0	26.2	.00	29.18	988.2	.0	.00	270.7
21:00	0.017092	25.7	26.4	.00	29.19	988.4	-1.9	.00	259.3
22:00	0.017278	25.4	26.7	.00	29.19	988.5	-2.8	.00	298.0
23:00	0.017292	25.2	26.7	.00	29.19	988.5	-1.7	.00	6.5
Avg	0.016028	24.5	24.9	.00	29.23	990.0	267.4	.38	259.0
Max	0.017292	26.4	26.7	.00	29.29	991.8	838.0	1.20	341.9
Hr. of Max	23	19	23	23	09	09	13	13	05
Min	0.014685	22.7	22.8	.00	29.18	988.2	-2.8	.00	6.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2016

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	230.4	215.0	254.3	209.1	8.7	7.2	6.5	2.7	4.2
01:00	232.6	219.7	276.8	214.6	10.3	7.5	4.8	1.2	2.7
02:00	243.5	232.8	284.7	227.1	20.6	7.1	4.4	.7	2.4
03:00	248.8	229.5	310.6	231.5	55.0	42.8	37.7	.2	.8
04:00	151.5	244.0	305.1	244.0	16.4	34.8	35.9	.6	.1
05:00	65.3	132.0	323.4	180.2	27.0	20.3	34.5	.3	.3
06:00	165.5	187.2	303.3	210.6	34.2	25.0	28.3	.3	.1
07:00	286.5	210.6	297.3	209.2	40.9	31.5	13.7	.4	.6
08:00	241.8 P	247.0 P	211.8 P	240.7 P	22.9 P	16.8 P	12.9 P	1.6 P	2.3 P
09:00	224.8 P	223.2 P	222.3 P	217.7 P	30.4 P	23.1 P	20.4 P	3.2 P	4.1 P
10:00	218.5	216.9	211.6	211.1	29.3	24.1	19.3	5.0	6.5
11:00	223.7	223.2	218.0	217.0	38.3	30.8	26.0	4.0	5.3
12:00	221.4	220.9	221.7	214.1	36.1	28.6	24.2	3.6	4.8
13:00	209.7	207.5	207.8	201.4	46.3	38.3	33.9	3.1	4.0
14:00	227.7	233.0	219.3	225.9	48.8	42.6	36.8	2.3	2.8
15:00	258.0	253.1	245.8	248.1	66.5	53.5	56.5	1.4	1.9
16:00	237.6	238.6	230.6	232.2	40.0	35.1	30.3	3.4	4.1
17:00	263.3	261.8	260.3	254.8	25.7	20.2	17.5	4.5	5.5
18:00	279.6	285.4	267.1	277.0	22.7	18.4	17.3	3.9	5.3
19:00	231.2	255.2	229.6	250.8	33.7	48.4	26.0	1.3	2.2
20:00	215.3	240.3	270.6	245.4	31.3	12.0	49.3	1.0	1.9
21:00	224.5	224.7	259.8	223.3	30.1	21.3	24.3	1.2	1.8
22:00	227.6	217.6	292.9	220.2	55.7	37.4	18.9	.8	.8
23:00	63.1	83.7	5.2	64.1	38.2	44.9	42.2	.8	1.3
Avg	229.0	226.0	260.0	225.0	33.7	28.0	25.9	.0	.0
Max	286.5	285.4	323.4	277.0	66.5	53.5	56.5	5.0	6.5
Hr. of Max	07	18	05	18	15	15	15	10	10
Min	63.1	83.7	5.2	64.1	8.7	7.1	4.4	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2016

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	5.8	2.7	4.2	5.8	3.1	6.1	-2.3	-2.0	-.13
01:00	4.2	1.2	2.7	4.3	1.4	4.5	-.8	-.7	-.04
02:00	3.7	.8	2.4	3.7	1.0	4.0	.1	1.1	.00
03:00	2.0	.3	1.1	2.1	.5	2.3	2.2	.9	.03
04:00	1.2	.6	.2	1.2	.9	1.5	-1.4	-.4	-.03
05:00	.1	.3	.3	.2	.6	.6	2.0	-.1	.03
06:00	.8	.4	.1	.9	.8	1.1	1.3	-.5	.02
07:00	1.6	.6	.7	1.8	.9	2.1	.8	-2.3	.01
08:00	3.4 P	1.8 P	2.4 P	3.5 P	2.2 P	3.8 P	1.7 P	-1.0 P	.01 P
09:00	4.6 P	3.6 P	4.4 P	4.9 P	4.1 P	5.4 P	.9 P	-1.6 P	-.12 P
10:00	7.6	5.6	7.0	8.0	6.2	8.5	2.7	-1.0	.06
11:00	6.0	4.9	6.0	6.6	5.5	7.1	-.3	-.1	-.21
12:00	5.6	4.3	5.5	6.3	5.0	6.9	1.3	-3.2	.00
13:00	4.7	4.4	5.2	5.8	5.0	6.3	1.1	-.1	-.04
14:00	3.1	3.5	4.1	4.3	4.1	4.9	-.8	-2.2	-.15
15:00	2.0	2.6	3.0	3.2	3.2	3.9	-.9	-2.2	-.05
16:00	4.7	4.2	5.0	5.4	4.9	5.9	-1.7	-1.5	-.30
17:00	6.0	5.0	6.0	6.5	5.5	6.9	-.9	-1.2	-.32
18:00	6.5	4.3	5.5	6.6	4.6	6.7	-3.1	-2.8	-.44
19:00	2.9	1.6	2.4	3.2	2.0	3.4	3.0	1.2	.02
20:00	1.2	1.2	2.0	1.3	1.5	1.5	-.5	-1.3	-.03
21:00	2.2	1.3	2.0	2.5	1.6	2.7	-.2	.1	-.02
22:00	1.7	1.0	1.0	1.8	1.2	2.0	1.4	.4	.03
23:00	1.4	1.1	1.5	1.8	1.2	2.1	1.6	1.6	.03
Avg	.0	2.4	3.1	3.8	2.8	4.2	.3	-.8	-.07
Max	7.6	5.6	7.0	8.0	6.2	8.5	3.0	1.6	.06
Hr. of Max	10	10	10	10	10	10	19	23	10
Min	.1	.3	.1	.2	.5	.6	-3.1	-3.2	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/25/2016

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	-.22	6.6	8.7	18.5	4.7	2.7	26.2	26.3
01:00	-.06	5.5	8.5	11.4	6.4	1.7	25.3	25.9
02:00	.07	3.0	6.0	8.7	7.5	2.2	24.6	25.4
03:00	.02	2.5	3.0	5.7	7.3	6.1	24.0	24.9
04:00	-.02	1.6	1.4	3.2	8.8	9.7	23.9	24.6
05:00	.01	1.8	1.4	2.3	8.3	14.9	23.6	24.3
06:00	.00	1.8	1.1	2.1	6.0	7.0	23.5	24.1
07:00	-.09	1.8	2.5	3.4	6.8	6.7	23.9	24.1
08:00	-.10 P	<	<	<	<	<	25.1 P	24.6 P
09:00	-.33 P	<	<	<	<	<	26.7 P	25.9 P
10:00	-.30	13.3	14.4	15.3	19.1	13.5	27.8	26.8
11:00	-.20	17.4	18.8	19.5	18.9	18.8	28.7	27.9
12:00	-.44	11.0	13.5	13.1	21.3	17.2	30.1	29.1
13:00	-.09	10.5	16.9	18.1	20.8	20.1	31.3	30.4
14:00	-.29	10.1	16.0	12.1	22.3	23.0	32.2	31.4
15:00	-.14	10.1	9.8	10.3	28.3	31.9	32.8	32.0
16:00	-.27	11.4	11.9	11.9	18.9	19.8	33.3	32.3
17:00	-.29	11.7	11.4	11.9	18.2	16.0	33.1	32.2
18:00	-.52	11.0	12.6	13.1	16.2	10.7	30.8	30.1
19:00	.05	6.0	6.9	8.2	14.5	10.8	28.8	28.8
20:00	-.03	3.0	3.9	3.7	10.2	13.8	27.5	28.1
21:00	.02	4.8	5.5	6.6	9.0	10.4	26.6	27.5
22:00	.02	2.5	3.0	4.6	7.5	3.8	25.9	27.0
23:00	.05	3.2	3.2	3.7	7.7	8.1	25.6	26.2
Avg	-.13	6.8	8.2	9.4	13.1	12.2	27.6	27.5
Max	.07	17.4	18.8	19.5	28.3	31.9	33.3	32.3
Hr. of Max	02	11	11	11	15	15	16	16
Min	-.52	1.6	1.1	2.1	4.7	1.7	23.5	24.1
Count	24	22	22	22	22	22	24	24
Total								