Date Printed: 09/30/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2016

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	17.6	17.9	17.8	17.8	.26	.17	.21	-.09	-.05
01:00	16.5	16.8	16.9	17.0	.33	.36	.53	.04	.20
02:00	16.2	16.4	16.5	16.6	.18	.26	.36	.08	.18
03:00	15.7	15.7	15.6	15.5	-.04	-.18	-.23	-.14	-.19
04:00	15.0	15.0	15.0	15.2	.00	.04	.16	.03	.16
05:00	14.7	14.6	14.4	14.4	-.08	-.23	-.27	-.15	-.19
06:00	14.2	14.2	14.0	13.9	-.06	-.22	-.28	-.16	-.22
07:00	14.2	14.1	13.9	13.8	-.11	-.30	-.38	-.19	-.27
08:00	14.0	13.8	13.6	13.6	-.19	-.40	-.46	-.20	-.27
09:00	15.1	14.6	14.4	14.3	-.44	-.70	-.79	-.25	-.34
10:00	16.7	16.0	15.7	15.5	-.73	-1.05	-1.18	-.31	-.45
11:00	18.3	17.2	16.9	16.7	-1.04	-1.40	-1.55	-.36	-.51
12:00	18.9	18.0	17.7	17.6	-.86	-1.12	-1.24	-.26	-.38
13:00	19.3	18.5	18.2	18.1	-.82	-1.12	-1.26	-.29	-.43
14:00	20.8	19.6	19.2	18.9	-1.26	-1.68	-1.91	-.43	-.66
15:00	21.6	20.3	20.0	19.8	-1.30	-1.68	-1.86	-.38	-.56
16:00	20.6	19.7	19.4	19.2	-.95	-1.26	-1.40	-.31	-.45
17:00	19.4	18.9	18.6	18.5	-.53	-.79	-.90	-.26	-.37
18:00	18.6	18.2	18.0	17.9	-.33	-.55	-.64	-.22	-.31
19:00	16.5	16.9	16.9	16.9	.38	.39	.41	.01	.03
20:00	15.0	15.9	16.2	16.3	.92	1.21	1.28	.29	.36
21:00	13.3	14.7	15.0	15.2	1.37	1.67	1.94	.30	.56
22:00	11.5	12.6	13.6	14.3	1.15	2.11	2.82	.96	1.67
23:00	10.3	11.6	12.4	13.0	1.34	2.13	2.72	.80	1.38
Avg	16.4	16.3	16.2	16.3	-.12	-.18	-.16	-.06	-.05
Max	21.6	20.3	20.0	19.8	1.37	2.13	2.82	.96	1.67
Hr. of Max	15	15	15	15	21	23	22	22	22
Min	10.3	11.6	12.4	13.0	-1.30	-1.68	-1.91	-.43	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2016

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	11.8	11.6	13.7	23.2	69.9	67.9	10.4	10.2	0.008917
01:00	11.9	11.6	13.5	23.1	75.6	72.2	10.5	10.2	0.008995
02:00	12.0	11.4	13.4	22.9	77.6	73.4	10.6	10.1	0.009049
03:00	11.4	11.1	12.9	22.8	76.7	75.2	10.2	9.9	0.008688
04:00	11.5	11.3	12.6	22.7	80.6	79.9	10.2	10.1	0.008707
05:00	11.5	11.5	12.6	22.5	82.7	83.1	10.3	10.3	0.00873
06:00	11.3	11.2	12.2	22.4	83.5	83.8	10.1	10.1	0.008578
07:00	11.1	11.0	12.1	22.2	82.6	82.9	10.0	9.9	0.008467
08:00	10.9	10.7	11.9	22.1	82.4	82.6	9.8	9.8	0.008348
09:00	10.9	10.6	12.3	21.9	77.2	77.8	9.8	9.6	0.008363
10:00	11.0	10.6	12.9	21.8	70.2	71.6	9.9	9.6	0.008446
11:00	10.0	9.6	12.8	21.8	59.8	62.1	9.2	9.0	0.007927
12:00	9.4	9.1	12.5	22.0	54.9	56.8	8.8	8.6	0.007568
13:00	9.1	8.8	12.5	22.2	52.5	54.1	8.6	8.5	0.007452
14:00	7.9	7.8	12.2	22.3	44.2	47.2	8.0	7.9	0.006897
15:00	5.9	5.6	11.2	22.6	36.8	38.8	7.0	6.8	0.006033
16:00	6.6	6.3	11.3	22.8	40.9	42.6	7.3	7.2	0.006285
17:00	6.7	6.5	10.9	23.0	44.4	45.2	7.3	7.2	0.006321
18:00	6.7	6.4	10.6	23.0	46.6	46.7	7.3	7.2	0.006296
19:00	7.5	6.9	10.5	23.0	56.3	52.6	7.8	7.5	0.006648
20:00	8.2	7.5	10.4	22.9	64.7	58.3	8.2	7.8	0.006941
21:00	8.2	7.9	9.9	22.7	72.2	65.1	8.2	8.1	0.006941
22:00	8.1	8.2	9.2	22.5	80.5	75.6	8.2	8.3	0.006877
23:00	7.8	8.3	8.6	22.3	85.6	80.9	8.1	8.3	0.00676
Avg	9.5	9.2	11.8	22.5	66.6	65.7	9.0	8.8	0.007676
Max	12.0	11.6	13.7	23.2	85.6	83.8	10.6	10.3	0.009049
Hr. of Max	02	01	00	00	23	06	02	05	02
Min	5.9	5.6	8.6	21.8	36.8	38.8	7.0	6.8	0.006033
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2016

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	0.008807	13.9	13.7	.00	29.05	983.8	-2.6	.00	243.7
01:00	0.008769	14.0	13.7	.00	29.06	984.0	-2.3	.00	228.9
02:00	0.008659	14.1	13.5	.00	29.06	984.0	-2.2	.00	237.2
03:00	0.008496	13.6	13.3	.00	29.05	983.9	-1.9	.00	277.7
04:00	0.008629	13.6	13.5	.00	29.05	983.7	-2.3	.00	248.5
05:00	0.008731	13.6	13.6	.00	29.05	983.7	-2.2	.00	254.7
06:00	0.008568	13.4	13.4	.00	29.05	983.9	-2.4	.00	240.0
07:00	0.008439	13.2	13.2	.00	29.06	984.1	.9	.00	246.4
08:00	0.008268	13.0	12.9	.00	29.08	984.7	67.0	.10	220.5
09:00	0.008187	13.1	12.8	.00	29.09	985.2	182.7	.26	238.0
10:00	0.008219	13.2	12.9	.00	29.11	985.7	371.1	.53	238.6
11:00	0.007708	12.4	12.1	.00	29.12	986.1	596.1	.85	297.2
12:00	0.00741	11.9	11.6	.00	29.12	986.0	377.2	.54	280.8
13:00	0.007297	11.7	11.4	.00	29.11	985.8	406.0	.58	295.7
14:00	0.00681	10.8	10.7	.00	29.10	985.4	663.4	.95	339.4
15:00	0.00587	9.5	9.2	.00	29.09	985.1	716.3	1.03	260.8
16:00	0.00617	9.9	9.7	.00	29.10	985.3	386.2	.55	275.1
17:00	0.006221	9.9	9.8	.00	29.12	986.0	199.1	.29	277.0
18:00	0.00619	9.9	9.7	.00	29.13	986.5	114.8	.16	278.2
19:00	0.00637	10.4	10.0	.00	29.14	987.0	3.1	.00	264.0
20:00	0.006632	10.9	10.4	.00	29.16	987.4	-2.5	.00	278.6
21:00	0.00684	10.9	10.7	.00	29.17	987.8	-2.6	.00	314.7
22:00	0.00696	10.8	10.9	.00	29.17	988.0	-2.3	.00	314.2
23:00	0.006987	10.6	11.0	.00	29.17	987.9	-2.6	.00	297.5
Avg	0.007552	12.0	11.8	.00	29.10	985.5	169.1	.24	268.0
Max	0.008807	14.1	13.7	.00	29.17	988.0	716.3	1.03	339.4
Hr. of Max	00	02	01	23	23	22	15	15	14
Min	0.00587	9.5	9.2	.00	29.05	983.7	-2.6	.00	220.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2016

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	250.0	251.3	248.7	243.0	37.6	37.1	37.7	2.2	3.2
01:00	222.3	216.6	232.8	211.6	24.0	16.8	15.7	1.9	2.8
02:00	260.1	248.8	241.4	242.5	43.5	46.3	34.3	1.2	1.6
03:00	308.3	323.9	277.8	310.7	46.1	35.9	24.7	1.0	1.5
04:00	274.2	328.5	249.8	311.4	25.7	45.2	25.9	1.4	1.9
05:00	288.3	299.8	260.8	289.4	37.8	28.2	19.2	1.8	2.7
06:00	277.3	295.8	242.7	285.6	53.5	39.4	29.2	1.2	2.0
07:00	266.9	279.5	250.3	271.3	25.7	21.1	18.0	3.2	4.4
08:00	233.0	238.9	224.0	233.3	25.3	19.7	19.0	2.0	2.8
09:00	258.1	270.3	242.1	261.9	31.3	32.9	35.2	1.9	2.2
10:00	264.2	262.6	232.7	257.7	58.8	52.0	58.3	1.2	1.2
11:00	319.2	327.4	301.3	314.9	59.4	53.1	49.7	1.8	2.4
12:00	289.2	288.3	283.8	278.1	39.0	32.4	31.6	2.8	3.5
13:00	308.0	301.1	299.7	289.8	59.8	54.1	48.8	2.6	3.2
14:00	352.2	350.2	343.0	336.9	64.2	60.2	56.2	1.3	2.5
15:00	284.5	288.1	269.9	280.5	67.4	55.4	52.1	1.9	3.0
16:00	284.8	286.2	278.1	276.8	31.9	26.5	22.9	5.0	6.2
17:00	286.0	289.9	280.7	280.3	30.5	23.8	20.4	4.9	6.5
18:00	289.3	292.5	278.7	283.1	34.2	30.3	21.5	3.5	4.7
19:00	277.9	285.5	267.1	277.0	19.7	16.6	13.1	2.5	4.1
20:00	279.8	287.0	280.4	277.3	12.3	9.0	8.1	2.0	3.7
21:00	303.5	319.0	314.2	306.7	40.2	32.4	54.2	1.4	2.5
22:00	48.5	47.1	307.2	29.6	37.6	46.6	38.2	.5	.5
23:00	349.6	99.0	296.4	101.3	33.5	47.1	40.3	.9	.2
Avg	285.0	291.0	270.0	281.0	39.1	35.9	32.3	.0	.0
Max	352.2	350.2	343.0	336.9	67.4	60.2	58.3	5.0	6.5
Hr. of Max	14	14	14	14	15	14	10	16	17
Min	48.5	47.1	224.0	29.6	12.3	9.0	8.1	.5	.2
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)

9/29/2016

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	3.9	2.8	4.0	5.1	3.2	5.2	.3	1.9	-.10
01:00	3.1	2.1	3.0	3.3	2.4	3.6	-.4	.3	-.03
02:00	1.9	1.6	2.0	2.5	1.8	2.7	1.8	.7	-.01
03:00	2.1	1.4	2.1	2.8	1.8	3.0	-.6	-4.2	-.10
04:00	2.6	1.6	2.2	3.0	1.9	3.2	-1.6	2.7	-.07
05:00	4.5	2.0	3.0	4.7	2.6	4.8	-3.7	-1.6	-.17
06:00	3.7	1.8	2.4	4.1	2.4	4.3	1.1	4.9	.00
07:00	5.6	3.5	4.6	5.9	3.9	6.1	-.6	-1.2	-.23
08:00	3.3	2.2	2.9	3.5	2.6	3.8	2.7	1.6	.06
09:00	2.5	2.4	2.7	3.0	2.9	3.3	-.4	-.7	-.10
10:00	1.2	2.3	2.5	2.4	2.9	3.0	5.2	8.8	.18
11:00	2.6	3.2	3.6	3.8	3.7	4.3	-5.7	-7.1	-.45
12:00	3.9	3.3	3.9	4.3	3.6	4.9	-4.3	-5.1	-.36
13:00	3.8	3.5	4.1	4.7	4.0	5.3	-.2	3.5	-.28
14:00	3.1	3.8	4.7	5.0	4.4	5.8	1.0	3.0	-.02
15:00	3.4	4.5	5.2	5.7	5.1	6.4	-1.8	-.9	-.18
16:00	7.3	5.7	6.9	7.9	5.9	8.3	-1.5	-2.3	-.41
17:00	7.7	5.5	7.0	8.2	6.0	8.6	-3.4	-4.7	-.63
18:00	6.2	4.0	5.2	6.6	4.5	7.0	-.9	-1.2	-.26
19:00	5.8	2.7	4.3	6.0	2.9	6.1	-1.8	-1.6	-.17
20:00	4.6	2.1	3.7	4.7	2.2	4.7	-3.7	-.9	-.17
21:00	4.2	1.9	3.1	4.7	2.0	4.5	1.1	.0	-.04
22:00	.9	1.3	.8	1.5	1.6	1.8	1.0	2.8	.04
23:00	.2	1.4	1.2	.8	1.6	1.1	.7	.0	.01
Avg	.0	2.8	3.5	4.3	3.2	4.7	-.7	-.1	-.15
Max	7.7	5.7	7.0	8.2	6.0	8.6	5.2	8.8	.18
Hr. of Max	17	16	17	17	17	17	10	10	10
Min	.2	1.3	.8	.8	1.6	1.1	-5.7	-7.1	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/29/2016

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	-.04	8.5	11.0	14.2	13.8	10.0	18.7	18.3
01:00	.02	4.1	4.8	5.0	6.9	4.6	17.6	17.5
02:00	.03	5.0	7.6	7.1	13.4	7.4	17.2	17.0
03:00	-.24	6.2	5.7	7.1	19.2	13.6	16.5	15.9
04:00	.00	6.0	7.6	7.8	12.9	12.5	15.8	15.6
05:00	-.26	6.2	7.8	9.8	20.7	14.6	15.4	14.9
06:00	.16	6.4	8.0	10.8	23.9	19.4	15.0	14.4
07:00	-.27	10.1	11.4	11.2	16.9	12.5	14.9	14.2
08:00	.08	6.2	6.6	8.2	14.8	9.7	14.6	14.0
09:00	-.15	7.8	7.3	8.7	19.5	19.9	15.3	14.6
10:00	.34	7.6	8.2	7.3	25.2	30.3	16.7	16.0
11:00	-.69	8.7	8.5	8.7	24.5	26.1	17.9	17.0
12:00	-.62	9.2	9.8	10.5	21.2	24.4	18.5	17.8
13:00	-.15	11.4	11.9	12.4	24.9	25.0	19.0	18.2
14:00	.17	11.7	13.3	14.0	24.8	25.2	20.0	19.0
15:00	-.19	15.1	14.0	15.6	22.1	25.8	20.5	19.6
16:00	-.65	14.4	15.3	16.9	20.6	16.4	20.0	19.1
17:00	-1.04	16.9	20.2	19.0	20.0	14.9	19.2	18.5
18:00	-.44	11.9	14.0	16.0	19.9	16.2	18.7	18.0
19:00	-.25	8.0	9.8	13.3	15.2	9.7	17.3	17.0
20:00	-.10	5.3	7.8	16.9	8.0	6.5	16.3	16.4
21:00	-.17	7.1	10.3	11.7	16.3	14.0	15.2	15.4
22:00	.11	3.0	3.0	4.6	9.8	14.2	13.1	14.5
23:00	.00	4.4	3.0	3.0	8.6	11.3	12.2	13.3
Avg	-.18	8.4	9.5	10.8	17.6	16.0	16.9	16.5
Max	.34	16.9	20.2	19.0	25.2	30.3	20.5	19.6
Hr. of Max	10	17	17	17	10	10	15	15
Min	-1.04	3.0	3.0	3.0	6.9	4.6	12.2	13.3
Count	24	24	24	24	24	24	24	24
Total								