Date Printed: 07/17/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2016

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	21.6	22.7	23.2	23.7	1.12	1.63	2.13	.51	1.01
01:00	21.0	22.0	22.6	23.1	.95	1.57	2.10	.61	1.15
02:00	20.6	21.5	21.8	22.5	.90	1.26	1.89	.36	.99
03:00	20.6	21.5	21.6	22.3	.87	1.01	1.64	.15	.77
04:00	20.5	21.4	21.6	21.9	.90	1.14	1.46	.24	.56
05:00	20.2	21.1	21.3	21.6	.97	1.14	1.43	.17	.46
06:00	20.0	20.7	21.1	21.7	.77	1.14	1.73	.37	.96
07:00	20.8	20.6	20.9	21.3	-.17	.14	.54	.31	.71
08:00	22.9	22.5	22.3	22.3	-.36	-.65	-.64	-.28	-.28
09:00	24.8	24.3	24.0	23.9	-.51	-.81	-.92	-.30	-.42
10:00	26.7	26.0	25.6	25.5	-.79	-1.10	-1.21	-.32	-.42
11:00	27.9	27.0	26.7	26.6	-.84	-1.17	-1.26	-.33	-.42
12:00	28.8	27.9	27.6	27.6	-.89	-1.17	-1.24	-.28	-.34
13:00	26.7	26.6	26.7	27.0	-.11	.08	.34	.18	.45
14:00	25.8	25.4	25.4	25.6	-.33	-.35	-.12	-.02	.21
15:00	27.6	26.8	26.6	26.5	-.82	-1.08	-1.17	-.26	-.35
16:00	28.7	27.7	27.4	27.3	-.94	-1.26	-1.38	-.32	-.44
17:00	29.5	28.6	28.2	28.0	-.97	-1.33	-1.51	-.36	-.54
18:00	28.7	28.3	28.1	28.1	-.44	-.57	-.57	-.13	-.13
19:00	27.1	27.1	27.0	27.0	.03	-.10	-.13	-.13	-.16
20:00	24.1	25.7	25.9	26.1	1.63	1.85	2.04	.22	.42
21:00	22.4	24.1	24.6	24.8	1.74	2.21	2.45	.48	.71
22:00	21.4	22.7	23.4	23.9	1.27	2.05	2.47	.78	1.20
23:00	20.9	22.2	22.6	23.1	1.33	1.69	2.21	.36	.88
Avg	24.1	24.4	24.4	24.6	.22	.31	.51	.08	.29
Max	29.5	28.6	28.2	28.1	1.74	2.21	2.47	.78	1.20
Hr. of Max	17	17	17	18	21	21	22	22	22
Min	20.0	20.6	20.9	21.3	-.97	-1.33	-1.51	-.36	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2016

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	19.6	20.2	20.2	27.3	90.6	87.9	16.8	17.4	0.014736
01:00	19.3	20.2	19.9	27.1	92.3	92.0	16.6	17.4	0.014506
02:00	19.1	20.4	19.6	26.9	93.2	95.6	16.3	17.6	0.014293
03:00	19.4	20.4	19.8	26.6	94.9	95.8	16.7	17.7	0.014596
04:00	19.2	20.3	19.7	26.4	94.8	96.1	16.5	17.6	0.014443
05:00	19.0	20.4	19.4	26.2	95.0	97.9	16.3	17.7	0.014194
06:00	18.9	20.2	19.2	26.0	95.5	98.9	16.1	17.5	0.014072
07:00	19.6	20.0	20.0	25.8	94.8	98.6	16.8	17.3	0.014711
08:00	20.4	20.1	21.2	25.6	88.2	88.3	17.6	17.3	0.01554
09:00	20.6	20.0	22.0	25.6	79.4	78.9	17.7	17.1	0.015717
10:00	20.2	19.7	22.4	25.6	69.4	70.1	17.2	16.7	0.015373
11:00	19.7	19.1	22.4	25.8	63.0	63.7	16.6	16.1	0.014885
12:00	19.6	19.1	22.7	26.2	59.4	60.4	16.5	16.0	0.014855
13:00	21.1	20.5	23.0	26.7	74.2	71.6	18.2	17.6	0.016289
14:00	22.9	22.1	23.9	26.9	86.9	84.4	20.4	19.4	0.018188
15:00	22.1	21.5	23.9	27.0	73.9	75.1	19.2	18.7	0.01727
16:00	20.5	20.0	23.2	27.2	63.4	64.7	17.5	17.0	0.015727
17:00	19.3	18.9	22.7	27.4	56.0	57.6	16.2	15.8	0.014623
18:00	18.7	18.2	22.0	27.7	56.6	55.9	15.7	15.1	0.014042
19:00	18.4	18.0	21.3	27.8	60.8	59.1	15.4	15.0	0.013755
20:00	18.9	18.2	20.6	27.8	74.9	64.8	16.0	15.2	0.01414
21:00	18.9	18.6	20.1	27.6	83.0	73.2	16.1	15.7	0.014141
22:00	19.0	19.1	19.8	27.4	88.3	82.2	16.2	16.2	0.014178
23:00	19.0	19.4	19.6	27.2	90.9	86.1	16.2	16.6	0.014129
Avg	19.7	19.8	21.2	26.7	80.0	79.1	16.9	16.9	0.014933
Max	22.9	22.1	23.9	27.8	95.5	98.9	20.4	19.4	0.018188
Hr. of Max	14	14	15	20	06	06	14	14	14
Min	18.4	18.0	19.2	25.6	56.0	55.9	15.4	15.0	0.013755
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2016

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	0.015308	22.8	23.7	.00	29.14	986.8	-2.8	.00	307.7
01:00	0.015339	22.5	23.7	.00	29.13	986.7	-1.5	.00	266.6
02:00	0.015488	22.2	24.0	.00	29.13	986.4	-2.4	.00	281.6
03:00	0.015535	22.6	24.0	.00	29.11	985.9	-2.4	.00	46.8
04:00	0.015462	22.4	23.9	.00	29.12	986.1	-2.4	.00	34.5
05:00	0.015529	22.0	24.0	.00	29.12	986.3	-2.2	.00	11.9
06:00	0.015297	21.8	23.7	.00	29.15	987.1	2.6	.00	259.3
07:00	0.01513	22.8	23.5	.00	29.17	987.7	74.4	.11	238.7
08:00	0.015215	24.1	23.6	.00	29.17	988.0	267.1	.38	191.8
09:00	0.015139	24.4	23.5	.00	29.19	988.5	352.2	.50	145.8
10:00	0.014829	23.8	23.0	.00	29.20	988.7	591.1	.85	209.3
11:00	0.01433	23.1	22.3	.00	29.20	988.9	746.8	1.07	165.3
12:00	0.014331	23.1	22.3	.00	29.20	988.8	619.0	.89	158.6
13:00	0.015665	25.2	24.3	.01	29.20	988.7	105.9	.15	293.9
14:00	0.017333	28.1	26.8	.02	29.18	988.2	367.8	.53	301.1
15:00	0.016717	26.7	25.8	.00	29.16	987.7	529.5	.76	287.6
16:00	0.015196	24.4	23.5	.00	29.16	987.5	566.4	.81	312.4
17:00	0.014221	22.7	22.1	.00	29.16	987.4	529.3	.76	351.9
18:00	0.013528	21.8	21.0	.00	29.17	987.9	275.9	.40	19.5
19:00	0.01341	21.4	20.9	.00	29.18	988.2	209.4	.30	48.3
20:00	0.013483	22.0	21.0	.00	29.18	988.3	18.3	.03	21.0
21:00	0.013851	22.0	21.5	.00	29.20	988.8	-2.3	.00	354.5
22:00	0.014259	22.0	22.2	.00	29.21	989.4	-1.3	.00	319.9
23:00	0.014533	22.0	22.6	.00	29.22	989.6	-2.7	.00	29.5
Avg	0.014964	23.2	23.2	.00	29.17	987.8	218.2	.31	320.0
Max	0.017333	28.1	26.8	.02	29.22	989.6	746.8	1.07	354.5
Hr. of Max	14	14	14	14	23	23	11	11	21
Min	0.01341	21.4	20.9	.00	29.11	985.9	-2.8	.00	11.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2016

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	31.1	93.1	306.5	67.8	32.7	31.7	14.0	.5	.6
01:00	141.9	103.7	266.5	49.6	29.8	45.7	34.5	.9	.3
02:00	252.1	189.0	280.9	198.3	53.5	43.1	26.4	.7	1.3
03:00	63.4	69.9	45.1	51.3	29.0	28.0	25.5	1.1	2.0
04:00	63.5	64.8	28.5	46.0	56.6	23.5	10.1	.4	1.0
05:00	25.3	66.9	353.7	48.2	30.5	49.4	12.7	.7	1.4
06:00	36.5	52.4	260.8	23.2	34.1	33.0	27.5	.7	.2
07:00	226.1	136.4	244.8	192.9	20.0	27.3	17.3	1.2	1.0
08:00	195.6	139.2	198.6	167.9	30.3	42.9	48.1	1.0	.7
09:00	149.9	155.0	153.1	156.2	36.6	35.3	27.6	1.4	1.4
10:00	216.2	200.1	212.0	200.7	57.0	51.1	49.7	1.7	2.1
11:00	176.8	177.0	173.2	171.6	49.9	45.0	33.7	1.6	1.8
12:00	172.3	176.8	165.5	174.9	55.5	54.5	49.8	1.4	1.5
13:00	294.9	292.5	295.1	282.4	18.9	14.6	13.9	2.8	4.5
14:00	311.2	312.9	299.9	301.0	35.7	25.8	20.6	2.1	3.7
15:00	299.7	300.1	289.0	294.0	43.4	47.1	50.8	1.8	2.2
16:00	323.2	330.2	309.4	313.1	58.8	49.0	49.2	1.2	1.9
17:00	4.2	6.7	351.1	351.0	57.4	45.9	39.4	2.1	3.5
18:00	30.7	35.3	20.8	21.0	38.9	20.8	17.5	2.2	4.8
19:00	46.9	52.2	45.8	38.6	36.5	21.0	14.1	1.8	4.3
20:00	47.1	61.8	19.7	49.5	17.2	11.1	7.9	2.2	4.2
21:00	58.1	61.2	354.0	44.8	29.6	16.7	8.9	.8	2.0
22:00	36.5	83.5	313.9	61.8	46.9	36.3	15.7	.6	.7
23:00	57.8	59.8	31.2	44.3	27.3	13.0	10.7	1.1	2.1
Avg	36.0	79.0	314.0	47.0	38.6	33.8	26.1	.0	.0
Max	323.2	330.2	354.0	351.0	58.8	54.5	50.8	2.8	4.8
Hr. of Max	16	16	21	17	16	12	15	13	18
Min	4.2	6.7	19.7	21.0	17.2	11.1	7.9	.4	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2016

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	.9	.8	.8	1.0	1.0	1.4	1.5	-.3	.03
01:00	.5	1.1	.9	.7	1.5	1.1	2.5	-1.9	.05
02:00	1.1	1.0	1.8	1.4	1.3	1.8	.3	-.1	.00
03:00	2.2	1.4	2.2	2.3	1.5	2.6	2.0	1.1	.06
04:00	2.1	.6	1.3	2.2	.8	2.4	1.0	.8	.00
05:00	2.1	1.2	1.6	2.3	1.4	2.6	-.3	-1.0	-.04
06:00	1.0	.9	.9	1.4	1.4	1.7	.8	1.3	.01
07:00	.4	1.3	1.1	.5	1.7	1.0	-.3	.8	-.04
08:00	.3	1.3	1.0	.6	1.8	1.1	-1.4	1.4	-.03
09:00	1.3	1.6	1.7	1.6	2.3	2.3	8.5	3.3	.38
10:00	2.4	2.4	2.9	3.1	3.1	3.6	-.7	1.3	-.12
11:00	2.2	2.8	3.0	3.0	3.4	3.6	-2.8	-9.0	-.18
12:00	1.5	2.3	2.3	2.4	2.9	2.9	-.2	3.1	-.02
13:00	5.1	3.1	4.8	5.4	3.1	5.3	-3.8	-1.6	-.25
14:00	5.6	2.4	4.1	6.1	2.8	6.3	-.6	-1.4	-.18
15:00	2.3	2.4	2.8	3.0	2.9	3.6	-4.5	2.4	-.45
16:00	2.1	2.3	2.8	2.9	2.9	3.5	-4.7	-1.7	-.27
17:00	4.2	3.1	4.4	4.9	3.6	5.4	-.8	2.2	-.31
18:00	6.0	2.6	5.2	6.3	3.0	6.7	-.9	.1	-.25
19:00	5.7	2.1	4.5	5.8	2.7	6.2	-.3	2.4	-.18
20:00	5.8	2.4	4.3	5.8	2.6	6.0	-5.6	-.6	-.32
21:00	3.3	1.1	2.1	3.4	1.3	3.6	-.6	.2	-.02
22:00	1.3	.9	.8	1.4	1.1	1.6	1.5	-.3	.01
23:00	3.5	1.3	2.3	3.6	1.5	3.8	.8	-.3	.00
Avg	.0	1.8	2.5	3.0	2.2	3.3	-.4	.1	-.09
Max	6.0	3.1	5.2	6.3	3.6	6.7	8.5	3.3	.38
Hr. of Max	18	17	18	18	17	18	09	09	09
Min	.3	.6	.8	.5	.8	1.0	-5.6	-9.0	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2016

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	-.01	2.7	3.0	2.5	8.0	7.0	24.1	25.0
01:00	-.04	3.2	3.4	2.7	7.8	9.0	23.4	24.4
02:00	.00	3.7	3.7	5.3	8.7	8.1	23.0	23.9
03:00	.03	2.7	5.0	3.9	11.2	7.6	23.0	23.6
04:00	.04	3.7	5.0	6.6	8.5	5.0	22.9	23.3
05:00	-.04	3.4	4.1	4.1	9.5	6.7	22.7	23.0
06:00	.04	3.2	2.5	3.7	6.9	7.5	22.2	23.1
07:00	.02	3.7	3.7	2.3	10.7	9.1	22.2	22.7
08:00	.04	3.4	3.2	3.0	21.9	19.9	24.1	23.7
09:00	.37	4.4	4.8	5.3	28.4	33.8	25.9	25.2
10:00	.02	7.6	8.2	8.5	25.6	29.1	27.3	26.6
11:00	-.46	7.1	7.6	7.8	26.3	28.3	28.3	27.6
12:00	.11	5.7	6.9	6.9	26.7	30.2	29.2	28.5
13:00	-.14	7.1	8.2	8.9	11.2	9.1	28.1	28.2
14:00	-.27	9.8	16.3	16.0	19.9	10.9	27.3	27.1
15:00	.03	6.9	13.1	10.8	26.9	26.9	28.6	27.8
16:00	-.13	6.9	7.8	8.0	25.4	29.1	29.2	28.4
17:00	.10	9.4	10.1	10.1	26.5	19.4	29.9	29.0
18:00	-.14	11.0	13.1	14.9	24.0	13.0	29.5	28.8
19:00	.15	7.3	11.2	16.3	24.8	12.8	28.4	27.8
20:00	-.09	6.4	8.0	10.1	10.6	5.2	26.8	27.0
21:00	.01	5.3	6.6	10.1	9.3	3.8	25.3	25.8
22:00	-.02	3.0	2.5	4.8	7.3	6.2	24.0	25.0
23:00	-.03	3.0	4.6	7.3	8.6	3.1	23.6	24.3
Avg	-.02	5.4	6.8	7.5	16.4	14.2	25.8	25.8
Max	.37	11.0	16.3	16.3	28.4	33.8	29.9	29.0
Hr. of Max	09	18	14	19	09	09	17	17
Min	-.46	2.7	2.5	2.3	6.9	3.1	22.2	22.7
Count	24	24	24	24	24	24	24	24
Total								