Date Printed: 06/22/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2016

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	19.1	20.7	21.9	22.9	1.56	2.79	3.79	1.23	2.23
01:00	18.7	20.2	21.1	22.2	1.50	2.43	3.48	.93	1.99
02:00	18.4	20.4	21.2	21.6	1.95	2.73	3.22	.78	1.27
03:00	18.2	19.6	20.4	21.0	1.38	2.19	2.77	.82	1.39
04:00	18.0	19.3	20.5	21.3	1.28	2.45	3.22	1.17	1.94
05:00	17.6	19.0	20.0	20.6	1.40	2.41	2.99	1.01	1.59
06:00	17.5	18.5	19.2	20.1	1.00	1.73	2.60	.74	1.60
07:00	19.1	19.3	19.6	19.9	.23	.55	.86	.32	.63
08:00	22.2	21.7	21.4	21.4	-.45	-.74	-.74	-.28	-.29
09:00	24.3	23.6	23.2	23.1	-.76	-1.12	-1.21	-.36	-.45
10:00	26.2	25.3	25.0	24.9	-.86	-1.17	-1.26	-.31	-.40
11:00	22.9	22.7	22.9	23.2	-.12	.04	.32	.16	.45
12:00	25.0	24.5	24.3	24.3	-.41	-.64	-.61	-.24	-.20
13:00	28.6	27.7	27.5	27.4	-.86	-1.14	-1.19	-.28	-.34
14:00	28.1	27.7	27.6	27.7	-.36	-.48	-.37	-.12	-.01
15:00	28.1	27.6	27.3	27.3	-.52	-.76	-.79	-.24	-.27
16:00	30.9	30.1	29.7	29.6	-.77	-1.12	-1.25	-.35	-.48
17:00	30.2	29.8	29.6	29.6	-.49	-.62	-.64	-.14	-.15
18:00	28.2	28.5	28.6	28.7	.23	.31	.43	.09	.21
19:00	27.0	27.6	27.8	28.1	.63	.83	1.08	.20	.44
20:00	25.1	26.7	27.1	27.3	1.60	2.00	2.23	.40	.63
21:00	24.1	25.6	26.3	26.6	1.54	2.16	2.53	.63	.99
22:00	22.7	24.2	25.1	25.7	1.44	2.36	2.95	.92	1.51
23:00	21.9	23.4	24.7	25.0	1.54	2.84	3.14	1.30	1.61
Avg	23.4	23.9	24.3	24.6	.49	.83	1.15	.35	.66
Max	30.9	30.1	29.7	29.6	1.95	2.84	3.79	1.30	2.23
Hr. of Max	16	16	16	17	02	23	00	23	00
Min	17.5	18.5	19.2	19.9	-.86	-1.17	-1.26	-.36	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2016

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	16.6	17.1	17.5	25.9	87.1	81.6	14.1	14.4	0.012156
01:00	16.6	16.9	17.3	25.6	89.5	83.2	14.1	14.3	0.012134
02:00	16.5	16.9	17.1	25.3	90.3	82.4	14.0	14.3	0.012052
03:00	16.5	16.9	17.1	25.1	91.2	86.2	14.0	14.3	0.012025
04:00	16.4	16.7	16.9	24.9	91.8	86.6	13.9	14.1	0.011969
05:00	16.1	16.4	16.6	24.6	92.4	86.3	13.6	13.8	0.011726
06:00	15.9	16.3	16.4	24.4	92.4	88.8	13.5	13.8	0.011626
07:00	16.8	16.3	17.6	24.2	88.9	84.6	14.3	13.8	0.012341
08:00	16.5	15.9	18.4	24.0	72.1	70.9	13.9	13.3	0.012113
09:00	16.7	16.1	19.3	23.9	64.0	64.3	14.0	13.4	0.012289
10:00	17.4	16.9	20.3	23.9	60.1	61.3	14.5	14.1	0.012864
11:00	20.1	19.7	21.0	24.1	87.5	86.0	17.3	16.9	0.015252
12:00	21.4	20.9	22.6	24.2	83.1	82.6	18.6	18.0	0.016476
13:00	20.8	19.9	23.4	24.4	64.8	64.5	17.8	16.9	0.015977
14:00	20.7	20.1	23.1	24.8	66.6	65.6	17.7	17.1	0.015858
15:00	21.6	21.1	23.8	25.1	70.3	70.1	18.7	18.1	0.016829
16:00	20.8	20.1	24.2	25.4	56.9	57.0	17.7	17.0	0.01607
17:00	20.3	19.8	23.6	25.7	57.1	56.8	17.2	16.7	0.015572
18:00	21.2	20.3	23.6	26.0	67.9	63.1	18.3	17.2	0.016465
19:00	20.9	20.0	22.9	26.1	71.8	65.1	18.0	17.0	0.016137
20:00	21.4	20.0	22.7	26.1	82.6	68.7	18.6	17.0	0.016623
21:00	21.1	20.2	22.1	26.0	85.4	74.0	18.3	17.3	0.016225
22:00	20.5	20.4	21.3	25.9	89.7	81.5	17.8	17.5	0.015688
23:00	20.1	20.5	20.7	25.8	92.1	86.0	17.4	17.7	0.015273
Avg	18.9	18.6	20.4	25.1	79.0	74.9	16.1	15.8	0.014239
Max	21.6	21.1	24.2	26.1	92.4	88.8	18.7	18.1	0.016829
Hr. of Max	15	15	16	20	06	06	15	15	15
Min	15.9	15.9	16.4	23.9	56.9	56.8	13.5	13.3	0.011626
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)

6/21/2016

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	0.012534	19.0	19.6	.00	29.26	990.8	-2.7	.00	245.0
01:00	0.012377	19.0	19.3	.00	29.25	990.7	-2.9	.00	250.2
02:00	0.01241	18.8	19.4	.00	29.24	990.2	-1.5	.00	256.8
03:00	0.012398	18.8	19.3	.00	29.23	989.8	-2.3	.00	282.6
04:00	0.012236	18.7	19.1	.00	29.22	989.5	-3.0	.00	266.8
05:00	0.011964	18.3	18.7	.00	29.21	989.3	-3.2	.00	256.7
06:00	0.011891	18.2	18.6	.00	29.22	989.5	9.0	.01	301.7
07:00	0.011897	19.3	18.6	.00	29.23	989.7	142.1	.20	264.0
08:00	0.011586	18.9	18.1	.00	29.23	989.9	345.9	.50	216.2
09:00	0.011782	19.2	18.4	.00	29.23	989.9	532.3	.76	220.3
10:00	0.012471	20.1	19.5	.00	29.22	989.6	507.8	.73	234.7
11:00	0.014869	23.7	23.1	.15	29.23	989.8	157.7	.23	337.3
12:00	0.015968	25.5	24.8	.00	29.21	989.3	583.2	.84	154.1
13:00	0.015123	24.8	23.5	.00	29.19	988.7	767.6	1.10	191.7
14:00	0.015319	24.6	23.7	.00	29.17	987.9	335.5	.48	244.9
15:00	0.016288	26.0	25.2	.00	29.14	986.9	500.0	.72	160.6
16:00	0.015385	24.8	23.8	.00	29.10	985.5	542.8	.78	210.9
17:00	0.015054	24.1	23.3	.00	29.09	985.2	300.9	.43	256.7
18:00	0.015519	25.4	24.0	.00	29.09	985.1	156.4	.22	254.8
19:00	0.015222	24.9	23.5	.00	29.10	985.4	64.5	.09	250.1
20:00	0.015207	25.7	23.5	.00	29.11	985.9	13.0	.02	259.0
21:00	0.015402	25.1	23.8	.00	29.11	986.0	-1.1	.00	295.9
22:00	0.015547	24.3	24.1	.00	29.13	986.6	-2.1	.00	288.7
23:00	0.015645	23.6	24.2	.00	29.13	986.6	-2.4	.00	254.9
Avg	0.013921	22.1	21.6	.01	29.18	988.2	205.7	.30	249.0
Max	0.016288	26.0	25.2	.15	29.26	990.8	767.6	1.10	337.3
Hr. of Max	15	15	15	11	00	00	13	13	11
Min	0.011586	18.2	18.1	.00	29.09	985.1	-3.2	.00	154.1
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)

6/21/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	238.3	235.9	247.7	20.8	9.5	7.6	2.4	3.3	4.8
01:00	247.5	259.8	251.4	39.7	30.2	15.9	.9	2.3	3.9
02:00	229.8	228.4	260.6	10.1	8.2	10.9	2.3	3.4	4.1
03:00	299.7	185.2	278.2	47.1	16.7	11.9	.5	1.0	1.6
04:00	265.3	191.9	266.4	27.6	23.7	13.7	1.0	1.2	2.6
05:00	262.4	225.5	258.0	32.7	28.0	6.4	1.3	1.7	3.0
06:00	229.1	186.0	293.2	44.6	11.9	8.7	.7	1.3	1.6
07:00	260.2	210.8	259.5	44.4	23.4	13.0	.6	1.5	2.1
08:00	228.2	229.1	222.5	19.9	16.5	11.6	2.9	3.8	4.6
09:00	225.6	220.4	226.8	22.3	14.8	10.7	4.5	6.0	7.0
10:00	244.0	237.1	239.6	36.2	26.1	20.7	3.0	4.1	4.7
11:00	357.5	137.3	330.7	44.3	41.9	45.5	1.6	1.7	1.2
12:00	192.3	166.5	163.1	48.1	56.1	47.9	.4	.7	1.6
13:00	203.3	201.5	198.5	35.2	28.5	23.4	2.7	3.6	4.4
14:00	245.9	240.3	250.4	34.6	28.9	21.3	3.0	4.5	6.0
15:00	169.9	171.3	168.0	35.8	31.9	28.2	1.7	1.9	2.4
16:00	217.3	216.6	215.5	28.2	23.3	18.1	3.8	5.3	7.0
17:00	258.9	257.6	261.9	26.7	19.3	14.8	4.0	6.2	8.1
18:00	256.2	255.6	259.6	19.7	11.9	9.0	3.2	5.7	7.8
19:00	251.0	247.9	254.6	16.8	10.1	7.4	3.6	6.6	9.4
20:00	245.1	236.9	262.6	37.6	40.2	28.7	1.1	3.0	4.7
21:00	308.4	301.5	297.6	56.8	49.4	36.3	.9	1.8	3.8
22:00	192.8	207.4	288.2	49.0	27.4	30.5	1.0	.9	1.8
23:00	267.7	268.3	256.3	21.4	11.8	9.3	1.8	4.0	5.7
Avg	243.0	222.0	251.0	33.3	24.6	18.8	.0	.0	.0
Max	357.5	301.5	330.7	56.8	56.1	47.9	4.5	6.6	9.4
Hr. of Max	11	21	11	21	12	12	09	19	19
Min	169.9	137.3	163.1	10.1	8.2	6.4	.4	.7	1.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	2.5	3.4	4.8	2.9	5.1	-.5	-.2	-.05	-.01
01:00	1.1	2.6	4.2	1.5	4.4	1.4	.8	.02	.04
02:00	2.4	3.6	4.2	2.7	4.5	-2.0	-1.3	-.11	-.11
03:00	.9	1.4	1.8	1.2	2.0	2.1	-1.9	.03	-.07
04:00	1.1	1.3	2.7	1.4	2.9	1.4	-1.8	.04	-.10
05:00	1.5	1.9	3.1	1.8	3.3	1.1	-.2	.02	-.03
06:00	.8	1.3	1.7	1.1	2.1	1.3	-.5	.02	.01
07:00	.8	1.7	2.3	1.2	2.5	2.0	-2.1	.03	-.11
08:00	3.0	4.0	4.7	3.4	5.1	.2	-2.8	-.09	-.29
09:00	4.8	6.2	7.1	5.3	7.6	-1.4	-4.6	-.30	-.69
10:00	3.4	4.5	5.0	4.0	5.5	1.4	1.7	-.14	-.13
11:00	2.0	2.5	2.5	2.3	2.8	-1.3	-2.4	-.15	-.10
12:00	1.2	1.3	2.0	1.8	2.5	5.8	2.3	.18	.05
13:00	3.2	4.0	4.7	3.8	5.2	1.8	-1.4	-.06	-.26
14:00	4.7	6.3	7.6	5.1	8.0	1.3	-1.3	-.08	-.33
15:00	2.1	2.4	2.9	2.7	3.4	2.8	4.5	.03	.08
16:00	4.4	5.8	7.5	4.9	8.0	4.2	1.2	.20	-.05
17:00	4.4	6.6	8.6	4.9	9.0	-1.3	-.7	-.33	-.24
18:00	3.3	5.8	7.9	3.8	8.3	-.3	-.9	-.16	-.17
19:00	3.8	6.7	9.5	4.2	9.9	-1.2	.0	-.20	-.06
20:00	1.7	3.1	4.7	1.9	5.0	1.1	1.2	.00	.04
21:00	1.5	2.4	4.0	1.7	4.0	-.1	2.1	-.02	.05
22:00	1.2	1.4	1.9	1.4	2.3	1.0	-3.8	.02	-.11
23:00	2.0	4.2	6.1	2.3	6.2	.2	1.0	.00	.10
Avg	2.4	3.5	4.6	2.8	5.0	.9	-.5	-.05	-.10
Max	4.8	6.7	9.5	5.3	9.9	5.8	4.5	.20	.10
Hr. of Max	09	19	19	09	19	12	15	16	23
Min	.8	1.3	1.7	1.1	2.0	-2.0	-4.6	-.33	-.69
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	4.8	6.0	7.3	5.3	7.7	6.6	2.1	21.8	23.8
01:00	6.2	7.8	9.4	4.1	6.8	7.6	5.7	21.3	23.1
02:00	4.4	5.0	6.0	4.6	6.2	4.8	2.2	21.5	22.6
03:00	1.8	4.8	7.3	2.2	4.5	7.2	7.3	20.6	21.9
04:00	3.0	3.9	5.7	3.7	6.5	6.5	7.5	20.3	22.1
05:00	4.4	5.5	8.7	4.0	6.8	7.1	3.6	20.0	21.5
06:00	6.2	7.3	6.9	3.5	4.6	7.3	4.9	19.5	21.0
07:00	3.7	4.1	4.6	4.0	5.5	13.5	9.2	20.4	20.6
08:00	7.8	7.8	8.5	7.8	8.6	19.0	10.5	22.7	21.9
09:00	11.4	14.9	15.8	10.7	12.0	16.8	9.5	24.5	23.6
10:00	11.4	15.1	14.2	10.5	11.4	21.6	20.4	26.3	25.5
11:00	7.6	8.5	8.2	8.3	8.2	20.2	16.7	24.3	24.3
12:00	6.4	7.6	8.7	7.3	8.4	28.3	26.2	26.3	25.7
13:00	12.8	12.6	14.2	13.1	14.5	22.5	20.1	29.1	28.3
14:00	11.2	14.2	14.7	11.7	16.3	20.1	11.8	29.1	28.7
15:00	8.5	9.8	8.5	9.6	9.8	25.3	22.3	29.2	28.5
16:00	14.0	16.3	19.0	15.2	19.4	21.8	14.5	31.3	30.4
17:00	11.4	15.8	27.2	13.6	17.1	17.1	9.6	31.0	30.4
18:00	8.0	11.2	15.6	8.9	15.6	14.4	6.4	29.9	29.6
19:00	11.9	16.5	20.6	12.1	16.4	12.8	5.1	29.0	29.0
20:00	9.4	15.8	23.1	6.3	12.7	8.2	6.7	28.0	28.4
21:00	5.3	8.2	10.3	7.0	10.7	11.6	9.9	27.1	27.8
22:00	2.7	4.4	6.0	3.2	6.4	7.1	13.0	25.7	26.9
23:00	3.9	6.9	10.5	4.1	9.5	8.8	5.1	24.8	26.3
Avg	7.4	9.6	11.7	7.5	10.2	14.0	10.4	25.2	25.5
Max	14.0	16.5	27.2	15.2	19.4	28.3	26.2	31.3	30.4
Hr. of Max	16	19	17	16	16	12	12	16	17
Min	1.8	3.9	4.6	2.2	4.5	4.8	2.1	19.5	20.6
Count	24	24	24	24	24	24	24	24	24
Total									