Date Printed: 06/01/2016 06:37

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2016

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	18.7	20.1	20.8	21.2	1.40	2.12	2.56	.72	1.16
01:00	18.2	19.6	20.0	20.7	1.42	1.85	2.49	.43	1.07
02:00	17.7	19.1	19.4	20.0	1.42	1.70	2.30	.28	.88
03:00	17.3	18.6	19.0	19.5	1.34	1.67	2.20	.33	.86
04:00	17.2	18.6	18.8	19.1	1.35	1.52	1.88	.17	.53
05:00	17.5	18.4	18.6	18.9	.97	1.13	1.40	.16	.43
06:00	17.0	18.2	18.6	18.9	1.23	1.60	1.95	.37	.72
07:00	18.2	18.9	18.9	19.1	.63	.69	.87	.07	.24
08:00	20.8	20.6	20.4	20.3	-.23	-.44	-.50	-.21	-.27
09:00	23.3	22.9	22.6	22.5	-.44	-.74	-.89	-.29	-.44
10:00	25.4	24.6	24.2	24.0	-.82	-1.20	-1.43	-.38	-.62
11:00	26.7	25.8	25.4	25.2	-.92	-1.28	-1.48	-.36	-.55
12:00	27.9	26.9	26.6	26.4	-.97	-1.34	-1.52	-.37	-.55
13:00	29.5	28.5	28.0	27.8	-1.01	-1.48	-1.73	-.47	-.71
14:00	29.9	29.1	28.7	28.5	-.84	-1.24	-1.40	-.40	-.55
15:00	30.2	29.5	29.3	29.1	-.65	-.92	-1.06	-.27	-.41
16:00	30.5	29.9	29.5	29.4	-.61	-.96	-1.06	-.36	-.46
17:00	30.8	30.2	29.9	29.7	-.58	-.91	-1.07	-.32	-.49
18:00	29.1	29.4	29.4	29.5	.29	.34	.39	.05	.09
19:00	26.5	28.4	28.8	28.9	1.86	2.27	2.44	.41	.58
20:00	24.5	26.7	27.4	27.7	2.15	2.86	3.14	.71	.99
21:00	22.9	25.5	25.8	26.2	2.58	2.93	3.28	.35	.70
22:00	21.5	24.3	24.5	25.2	2.74	3.03	3.73	.29	.99
23:00	20.1	22.5	23.2	23.9	2.43	3.08	3.77	.65	1.34
Avg	23.4	24.0	24.1	24.2	.61	.68	.84	.07	.23
Max	30.8	30.2	29.9	29.7	2.74	3.08	3.77	.72	1.34
Hr. of Max	17	17	17	17	22	23	23	00	23
Min	17.0	18.2	18.6	18.9	-1.01	-1.48	-1.73	-.47	-.71
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)

5/31/2016

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	16.7	17.0	17.3	23.9	89.9	84.1	14.1	14.3	0.012258
01:00	16.6	17.3	17.1	23.7	92.0	88.1	14.0	14.6	0.012172
02:00	16.4	17.1	16.8	23.4	93.9	90.2	13.9	14.5	0.012029
03:00	16.2	17.1	16.5	23.2	94.9	92.7	13.7	14.5	0.01187
04:00	16.2	17.2	16.6	22.9	95.7	93.3	13.8	14.6	0.011936
05:00	16.6	17.0	16.9	22.7	96.3	93.3	14.1	14.4	0.012184
06:00	16.0	16.9	16.3	22.4	96.0	94.3	13.6	14.4	0.011753
07:00	17.0	16.8	17.4	22.2	94.2	89.7	14.4	14.2	0.012489
08:00	17.6	16.8	18.7	22.0	83.5	80.5	14.9	14.2	0.012999
09:00	17.5	16.8	19.5	21.9	71.7	70.1	14.7	14.1	0.01299
10:00	17.5	16.6	20.1	21.9	63.1	62.5	14.6	13.8	0.012964
11:00	17.9	16.9	20.8	22.1	60.0	59.6	14.9	14.1	0.013312
12:00	17.4	16.4	20.9	22.4	54.3	54.0	14.4	13.6	0.012937
13:00	15.4	14.3	20.1	23.0	43.6	43.2	12.7	11.9	0.011417
14:00	15.0	14.1	20.0	23.6	41.6	41.0	12.4	11.7	0.011169
15:00	15.2	14.4	20.2	24.0	41.5	40.7	12.5	11.9	0.011319
16:00	15.6	14.7	20.6	24.3	41.9	40.8	12.8	12.1	0.011601
17:00	15.2	14.3	20.4	24.6	40.1	38.9	12.5	11.8	0.011332
18:00	16.6	14.7	20.7	24.8	48.5	42.1	13.7	12.2	0.012359
19:00	18.0	16.3	20.8	24.9	61.3	49.5	15.1	13.5	0.01347
20:00	18.6	17.9	20.6	24.9	71.3	60.1	15.7	14.9	0.013932
21:00	18.2	17.3	19.8	24.8	76.9	62.1	15.4	14.4	0.013617
22:00	17.5	16.6	18.8	24.6	79.7	63.9	14.8	13.9	0.012971
23:00	16.7	16.3	17.8	24.3	82.5	69.3	14.1	13.6	0.012303
Avg	16.7	16.3	18.9	23.4	71.4	66.8	14.0	13.6	0.012391
Max	18.6	17.9	20.9	24.9	96.3	94.3	15.7	14.9	0.013932
Hr. of Max	20	20	12	20	05	06	20	20	20
Min	15.0	14.1	16.3	21.9	40.1	38.9	12.4	11.7	0.011169
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)

5/31/2016

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	0.01251	19.0	19.4	.00	29.07	984.3	-3.0	.00	276.3
01:00	0.012736	18.9	19.7	.00	29.06	984.1	-3.2	.00	11.7
02:00	0.012634	18.7	19.6	.00	29.05	983.8	-2.5	.00	347.6
03:00	0.012623	18.4	19.6	.00	29.04	983.6	-1.9	.00	36.4
04:00	0.012663	18.5	19.6	.00	29.04	983.4	-1.7	.00	46.2
05:00	0.012544	18.9	19.4	.00	29.04	983.4	-2.8	.00	58.2
06:00	0.012467	18.2	19.3	.00	29.06	984.0	12.7	.02	37.3
07:00	0.01237	19.4	19.2	.00	29.07	984.6	107.0	.15	59.4
08:00	0.012356	20.2	19.2	.00	29.08	984.8	274.2	.39	96.4
09:00	0.012369	20.2	19.2	.00	29.09	985.2	472.6	.68	67.2
10:00	0.012215	20.1	19.0	.00	29.09	985.1	735.3	1.05	85.7
11:00	0.012527	20.6	19.4	.00	29.08	984.9	879.9	1.26	96.0
12:00	0.012149	20.1	18.9	.00	29.07	984.5	985.9	1.41	91.8
13:00	0.010655	17.7	16.6	.00	29.06	984.0	1044.0	1.50	61.6
14:00	0.010472	17.3	16.3	.00	29.04	983.5	937.5	1.34	37.1
15:00	0.01069	17.6	16.6	.00	29.03	983.1	698.4	1.00	181.9
16:00	0.01092	18.0	16.9	.00	29.01	982.3	579.4	.83	.5
17:00	0.010629	17.6	16.5	.00	29.00	982.0	518.9	.74	303.0
18:00	0.010948	19.1	17.0	.00	28.99	981.8	272.6	.39	318.5
19:00	0.012122	20.8	18.8	.00	28.99	981.9	161.2	.23	333.2
20:00	0.013336	21.5	20.6	.00	29.01	982.4	20.2	.03	9.9
21:00	0.012834	21.1	19.9	.00	29.02	982.8	-2.4	.00	35.9
22:00	0.012287	20.1	19.0	.00	29.03	983.3	-1.6	.00	36.4
23:00	0.011984	19.1	18.6	.00	29.05	983.7	-1.2	.00	342.4
Avg	0.012043	19.2	18.7	.00	29.04	983.6	320.0	.46	32.0
Max	0.013336	21.5	20.6	.00	29.09	985.2	1044.0	1.50	347.6
Hr. of Max	20	20	20	23	10	09	13	13	02
Min	0.010472	17.3	16.3	.00	28.99	981.8	-3.2	.00	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2016

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	136.7	104.6	271.8	14.3	26.9	8.5	.7	.1	.6
01:00	63.8	78.3	12.1	22.0	37.3	12.7	1.1	1.4	1.4
02:00	73.8	71.7	346.8	25.6	17.4	7.2	.8	1.1	3.0
03:00	64.8	68.5	39.4	33.0	11.2	8.5	1.0	2.2	3.7
04:00	57.2	56.2	46.5	26.4	9.7	5.1	1.3	2.7	4.7
05:00	53.4	60.7	60.4	30.8	15.0	6.9	1.5	3.5	5.6
06:00	53.0	66.4	32.0	51.6	14.7	6.0	.8	1.7	2.6
07:00	50.9	62.2	63.8	38.2	12.9	8.9	.8	1.9	2.9
08:00	60.7	60.4	103.6	64.6	38.2	22.2	1.1	1.6	2.2
09:00	54.3	55.3	67.0	34.8	28.3	22.6	2.7	4.2	4.9
10:00	73.7	69.6	87.4	24.6	20.9	18.0	4.8	5.7	6.9
11:00	92.4	88.4	98.0	24.4	22.8	19.4	4.5	5.1	5.4
12:00	85.5	79.0	92.6	25.6	23.7	21.9	4.3	4.7	5.2
13:00	64.0	67.5	64.0	53.5	38.6	28.5	2.4	3.7	4.8
14:00	39.3	42.2	41.3	57.1	44.2	40.5	1.9	2.4	2.5
15:00	191.9	173.6	191.8	60.1	61.0	64.5	.7	.7	.6
16:00	355.0	337.3	.6	64.8	61.0	59.9	.9	1.4	1.3
17:00	314.6	320.8	299.6	46.7	31.6	41.0	1.5	2.1	1.9
18:00	330.4	333.1	315.9	21.3	14.3	15.2	1.7	2.8	3.5
19:00	352.3	355.5	332.2	10.3	11.3	10.6	2.1	3.8	4.6
20:00	30.5	36.0	11.3	25.0	9.7	10.9	1.7	4.1	5.2
21:00	52.3	54.8	36.3	32.6	13.4	8.6	1.3	3.1	4.9
22:00	61.9	56.9	39.4	23.5	11.3	6.5	1.3	2.4	4.2
23:00	81.9	73.3	340.7	37.2	44.5	13.3	.5	1.3	2.2
Avg	55.0	56.0	33.0	35.3	25.8	19.5	.0	.0	.0
Max	355.0	355.5	346.8	64.8	61.0	64.5	4.8	5.7	6.9
Hr. of Max	16	19	02	16	16	15	10	10	10
Min	30.5	36.0	.6	10.3	9.7	5.1	.5	.1	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2016

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	.7	.1	.6	1.0	.9	.1	-2.6	.00	-.05
01:00	1.3	1.5	1.5	1.5	1.8	.2	.9	-.01	.06
02:00	1.0	1.2	3.0	1.2	3.2	.2	.2	.01	.02
03:00	1.1	2.2	3.7	1.3	3.9	2.1	1.2	.04	.07
04:00	1.5	2.7	4.7	1.6	4.9	-.2	-1.1	-.04	-.10
05:00	1.9	3.6	5.6	2.2	5.8	-2.0	-2.4	-.15	-.23
06:00	1.0	1.7	2.6	1.1	2.8	2.6	1.4	.05	.05
07:00	1.0	2.0	3.0	1.3	3.2	3.3	-1.1	.04	-.08
08:00	1.3	1.8	2.4	1.7	2.7	-.6	3.7	-.08	.05
09:00	3.2	4.5	5.1	3.8	5.6	-.3	7.2	-.14	.46
10:00	5.1	6.0	7.1	5.7	7.6	2.3	2.4	.06	.16
11:00	4.8	5.4	5.7	5.5	6.3	-.1	3.2	-.04	.33
12:00	4.6	5.1	5.4	5.1	5.9	.1	-3.9	-.11	-.49
13:00	3.9	4.8	5.6	4.6	6.2	.2	-2.4	-.12	-.21
14:00	3.0	3.3	3.4	3.5	4.1	-.3	-1.8	-.11	-.27
15:00	2.4	2.6	2.6	3.0	3.2	.0	4.0	-.08	.25
16:00	2.3	2.5	2.2	2.8	3.0	-.2	-.5	-.06	-.03
17:00	2.1	2.5	2.5	2.5	3.0	1.7	3.9	-.06	.11
18:00	1.9	3.0	3.7	2.1	3.9	-2.0	-1.2	-.12	-.08
19:00	2.2	3.9	4.7	2.3	4.9	-2.3	1.0	-.11	.09
20:00	2.1	4.6	6.0	2.2	6.2	-2.4	1.4	-.13	.16
21:00	1.5	3.2	5.0	1.7	5.2	-.4	.4	-.07	.01
22:00	1.4	2.5	4.2	1.6	4.4	1.6	.6	.04	.04
23:00	1.1	1.5	2.3	1.3	2.5	1.2	.3	.03	.03
Avg	2.2	3.0	3.9	2.5	4.2	.2	.6	-.05	.01
Max	5.1	6.0	7.1	5.7	7.6	3.3	7.2	.06	.46
Hr. of Max	10	10	10	10	10	07	09	10	09
Min	.7	.1	.6	1.0	.9	-2.4	-3.9	-.15	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2016

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	1.8	.9	3.7	1.8	2.6	6.3	7.2	21.2	22.3
01:00	3.0	3.4	4.1	3.2	4.3	6.2	5.8	20.8	21.7
02:00	4.8	4.8	5.0	2.7	4.8	7.5	3.1	20.3	21.1
03:00	2.3	3.4	5.7	2.4	6.0	7.6	3.1	19.8	20.5
04:00	3.4	5.5	8.5	3.7	8.5	8.5	3.3	19.8	20.1
05:00	4.6	9.4	14.0	5.9	9.2	12.7	5.1	19.6	19.8
06:00	2.5	3.0	7.8	2.6	5.3	9.8	5.8	19.3	19.8
07:00	2.5	4.1	6.2	2.8	5.5	17.6	6.0	20.1	20.0
08:00	6.0	6.9	7.3	6.7	8.5	23.4	17.3	21.9	21.3
09:00	8.2	11.4	11.0	10.0	11.9	21.9	20.1	24.1	23.3
10:00	12.6	11.4	12.4	12.5	13.5	19.2	15.3	25.7	24.7
11:00	10.1	10.1	11.4	10.8	11.6	17.8	18.6	26.9	26.0
12:00	11.4	14.0	11.0	10.9	11.9	19.5	19.0	28.0	27.1
13:00	12.4	14.2	16.3	11.5	12.8	24.2	22.0	29.3	28.2
14:00	9.2	10.3	10.1	9.0	10.6	27.0	31.0	29.9	29.0
15:00	6.9	8.0	8.0	7.1	8.3	27.5	29.0	30.2	29.5
16:00	6.9	7.8	6.9	7.0	7.2	26.8	34.1	30.6	29.9
17:00	5.7	7.1	6.6	7.3	7.1	28.7	27.4	31.0	30.2
18:00	6.0	6.4	7.8	5.9	6.7	16.3	9.4	30.2	29.7
19:00	3.9	5.7	7.6	4.6	6.6	6.0	3.0	29.2	29.4
20:00	4.4	7.3	9.2	4.5	9.7	10.5	4.3	27.7	28.4
21:00	4.4	9.4	9.4	4.8	10.3	10.9	4.6	26.5	26.9
22:00	2.7	5.3	11.0	3.1	6.3	6.6	3.1	25.2	26.0
23:00	2.7	3.9	7.1	2.9	4.8	8.2	4.5	23.5	24.7
Avg	5.8	7.2	8.7	6.0	8.1	15.4	12.6	25.0	25.0
Max	12.6	14.2	16.3	12.5	13.5	28.7	34.1	31.0	30.2
Hr. of Max	10	13	13	10	10	17	16	17	17
Min	1.8	.9	3.7	1.8	2.6	6.0	3.0	19.3	19.8
Count	24	24	24	24	24	24	24	24	24
Total									