Date Printed: 09/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2016

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	22.7	23.0	22.9	23.0	.24	.20	.23	-.04	.00
01:00	22.2	22.4	22.4	22.4	.19	.14	.17	-.05	-.02
02:00	21.9	22.1	22.0	22.0	.19	.12	.15	-.07	-.04
03:00	21.5	21.7	21.6	21.6	.20	.13	.15	-.07	-.04
04:00	21.0	21.2	21.1	21.2	.22	.14	.17	-.08	-.04
05:00	20.8	21.0	21.0	21.0	.25	.20	.23	-.06	-.02
06:00	20.6	20.8	20.8	20.8	.21	.14	.17	-.07	-.03
07:00	20.5	20.6	20.6	20.6	.15	.07	.08	-.08	-.07
08:00	20.8	20.8	20.7	20.6	.03	-.10	-.14	-.14	-.17
09:00	21.4	21.1	20.9	20.8	-.26	-.49	-.59	-.23	-.33
10:00	23.8	22.9	22.5	22.3	-.82	-1.26	-1.50	-.44	-.68
11:00	25.7	24.6	24.0	23.7	-1.15	-1.71	-2.03	-.55	-.87
12:00	27.3	25.9	25.3	25.0	-1.34	-1.95	-2.28	-.61	-.94
13:00	28.9	27.5	26.8	26.4	-1.42	-2.09	-2.51	-.66	-1.08
14:00	29.7	28.2	27.5	27.1	-1.51	-2.20	-2.60	-.68	-1.09
15:00	29.4	28.2	27.6	27.3	-1.20	-1.81	-2.13	-.61	-.93
16:00	29.8	28.6	28.0	27.7	-1.20	-1.75	-2.08	-.56	-.88
17:00	28.9	28.1	27.7	27.5	-.80	-1.22	-1.42	-.42	-.62
18:00	28.0	27.4	27.1	26.9	-.56	-.88	-1.04	-.33	-.49
19:00	26.2	26.1	25.9	25.9	-.10	-.25	-.30	-.15	-.20
20:00	24.6	24.7	24.7	24.7	.14	.08	.10	-.06	-.04
21:00	23.8	23.9	23.8	23.8	.10	.04	.07	-.06	-.03
22:00	22.5	22.9	22.9	23.0	.33	.35	.42	.01	.09
23:00	21.5	22.0	22.1	22.2	.51	.52	.61	.02	.11
Avg	24.3	24.0	23.7	23.6	-.32	-.57	-.67	-.25	-.35
Max	29.8	28.6	28.0	27.7	.51	.52	.61	.02	.11
Hr. of Max	16	16	16	16	23	23	23	23	23
Min	20.5	20.6	20.6	20.6	-1.51	-2.20	-2.60	-.68	-1.09
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2016

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	17.9	17.8	19.5	27.2	75.8	74.3	15.1	15.0	0.013293
01:00	17.5	17.4	19.1	27.0	76.2	74.9	14.7	14.6	0.012948
02:00	17.0	16.9	18.6	26.8	75.5	74.2	14.3	14.2	0.012554
03:00	16.6	16.5	18.2	26.6	75.5	74.1	14.0	13.9	0.012257
04:00	16.2	16.1	17.8	26.4	75.8	74.3	13.7	13.6	0.011955
05:00	15.8	15.6	17.4	26.2	74.5	72.7	13.3	13.1	0.011581
06:00	15.2	15.1	17.0	26.0	72.7	71.0	12.8	12.7	0.011207
07:00	14.9	14.7	16.8	25.8	71.8	70.2	12.6	12.4	0.010976
08:00	14.7	14.4	16.7	25.6	69.5	68.3	12.4	12.2	0.010814
09:00	14.6	14.2	16.9	25.4	66.5	66.0	12.3	12.0	0.010741
10:00	14.7	14.3	17.7	25.3	58.0	59.3	12.3	12.0	0.01082
11:00	14.9	14.7	18.5	25.3	52.7	55.4	12.4	12.3	0.011042
12:00	15.1	14.9	19.1	25.5	48.5	51.8	12.5	12.4	0.011151
13:00	15.5	15.4	20.0	25.9	45.3	48.8	12.8	12.7	0.011472
14:00	15.6	15.7	20.3	26.4	43.8	47.9	12.9	13.0	0.011582
15:00	15.6	15.7	20.2	26.9	44.4	47.7	12.9	12.9	0.01158
16:00	15.4	15.4	20.2	27.2	43.0	46.0	12.7	12.7	0.011447
17:00	15.4	15.5	19.9	27.5	45.3	47.6	12.7	12.8	0.011446
18:00	15.6	15.7	19.7	27.7	48.1	50.0	12.9	13.0	0.011533
19:00	15.7	15.7	19.2	27.7	53.8	54.3	13.0	13.1	0.011583
20:00	15.6	15.5	18.6	27.6	58.5	57.9	13.0	12.9	0.011456
21:00	15.3	15.3	18.1	27.5	60.6	60.1	12.8	12.8	0.011276
22:00	14.9	14.8	17.4	27.3	63.3	61.7	12.5	12.4	0.01094
23:00	14.7	14.7	17.0	27.0	66.6	64.3	12.4	12.3	0.010828
Avg	15.6	15.5	18.5	26.6	61.1	61.4	13.0	13.0	0.01152
Max	17.9	17.8	20.3	27.7	76.2	74.9	15.1	15.0	0.013293
Hr. of Max	00	00	14	19	01	01	00	00	00
Min	14.6	14.2	16.7	25.3	43.0	46.0	12.3	12.0	0.010741
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2016

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	0.013222	20.6	20.5	.00	29.06	984.2	-2.7	.00	57.8
01:00	0.012876	20.1	20.0	.00	29.05	983.9	-1.7	.00	57.6
02:00	0.012481	19.5	19.3	.00	29.04	983.4	-1.8	.00	55.1
03:00	0.012175	19.0	18.9	.00	29.03	983.0	-1.8	.00	61.1
04:00	0.011871	18.5	18.4	.00	29.03	983.1	-2.2	.00	59.9
05:00	0.011473	18.0	17.8	.00	29.04	983.3	-1.7	.00	57.8
06:00	0.011094	17.4	17.2	.00	29.04	983.3	-2.3	.00	59.2
07:00	0.01083	17.0	16.8	.00	29.03	983.1	7.7	.01	58.3
08:00	0.010638	16.8	16.5	.00	29.03	983.1	50.6	.07	57.6
09:00	0.010492	16.7	16.3	.00	29.03	983.0	239.4	.34	56.3
10:00	0.010531	16.8	16.4	.00	29.03	983.3	567.4	.81	62.6
11:00	0.010837	17.1	16.8	.00	29.03	983.2	778.8	1.12	57.2
12:00	0.011007	17.3	17.1	.00	29.03	982.9	867.3	1.24	52.0
13:00	0.011379	17.8	17.7	.00	29.02	982.8	969.8	1.39	64.3
14:00	0.011615	18.0	18.0	.00	29.02	982.6	948.2	1.36	62.4
15:00	0.011616	18.0	18.0	.00	29.01	982.4	714.2	1.02	55.4
16:00	0.011418	17.8	17.7	.00	29.01	982.5	703.8	1.01	46.4
17:00	0.011486	17.8	17.8	.00	29.02	982.7	365.6	.52	35.0
18:00	0.011603	17.9	18.0	.00	29.03	983.1	216.7	.31	43.0
19:00	0.011609	18.0	18.0	.00	29.04	983.6	54.2	.08	40.1
20:00	0.011437	17.8	17.8	.00	29.07	984.3	-1.3	.00	48.5
21:00	0.011255	17.5	17.5	.00	29.09	985.2	-1.6	.00	47.7
22:00	0.010879	17.0	16.9	.00	29.11	985.8	-1.6	.00	53.8
23:00	0.01078	16.9	16.8	.00	29.11	986.0	-1.3	.00	55.2
Avg	0.011442	17.9	17.8	.00	29.04	983.5	269.3	.39	54.0
Max	0.013222	20.6	20.5	.00	29.11	986.0	969.8	1.39	64.3
Hr. of Max	00	00	00	23	23	23	13	13	13
Min	0.010492	16.7	16.3	.00	29.01	982.4	-2.7	.00	35.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2016

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	51.5	48.7	60.5	36.7	26.1	14.1	9.5	3.7	7.5
01:00	47.8	46.2	60.3	34.0	29.9	15.1	9.9	3.7	8.2
02:00	44.8	44.4	57.9	31.9	34.0	17.0	10.4	3.9	8.4
03:00	52.6	50.6	62.9	38.6	27.4	16.7	11.0	4.0	7.3
04:00	53.6	51.9	62.6	40.2	25.5	16.2	10.0	3.9	7.4
05:00	48.8	47.9	62.1	35.6	30.6	17.0	9.6	4.0	8.3
06:00	47.9	47.2	61.8	34.8	28.0	15.7	10.0	3.9	8.0
07:00	53.3	51.5	61.4	39.6	27.4	15.6	10.0	3.7	7.2
08:00	54.0	51.8	60.7	40.0	29.2	16.2	11.4	4.4	8.0
09:00	47.0	46.8	58.2	34.5	30.5	16.4	12.4	4.5	9.0
10:00	52.8	50.1	64.2	38.2	30.5	19.7	13.8	6.5	10.9
11:00	49.9	49.5	58.1	37.4	32.9	19.7	13.3	6.9	12.2
12:00	45.5	42.8	51.5	30.5	35.2	20.7	13.9	6.7	11.6
13:00	57.7	55.3	66.5	43.8	29.5	24.2	20.9	7.2	10.4
14:00	53.4	52.2	62.0	40.3	34.4	25.0	18.5	6.3	9.9
15:00	47.6	45.5	55.2	32.8	34.5	21.8	15.8	6.0	10.7
16:00	41.7	39.4	49.1	27.0	42.9	27.5	20.8	5.1	9.0
17:00	35.7	35.2	37.8	21.7	45.5	22.4	19.1	4.9	10.0
18:00	41.2	40.6	44.0	27.8	35.3	19.9	13.8	5.0	9.7
19:00	37.3	36.1	40.1	22.9	34.3	16.3	13.2	4.4	8.8
20:00	42.0	42.3	50.2	29.7	37.5	16.6	11.9	3.4	7.7
21:00	44.8	44.2	48.3	31.7	30.8	16.2	11.2	3.1	6.6
22:00	50.0	48.6	56.7	36.4	27.5	14.5	9.9	2.9	6.4
23:00	51.9	50.6	57.3	38.9	20.6	13.3	9.7	2.7	5.4
Avg	48.0	46.0	56.0	34.0	31.7	18.2	12.9	.0	.0
Max	57.7	55.3	66.5	43.8	45.5	27.5	20.9	7.2	12.2
Hr. of Max	13	13	13	13	17	16	13	13	11
Min	35.7	35.2	37.8	21.7	20.6	13.3	9.5	2.7	5.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2016

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	10.1	4.0	7.8	10.3	4.3	10.7	-3.3	.4	-.43
01:00	11.1	4.1	8.4	11.3	4.4	11.7	.4	.6	-.26
02:00	11.2	4.4	8.7	11.4	5.0	11.9	-1.2	1.4	-.36
03:00	10.3	4.4	7.6	10.5	4.9	10.9	-.4	-.1	-.22
04:00	10.4	4.2	7.7	10.5	4.6	11.0	-3.7	.8	-.49
05:00	11.5	4.4	8.6	11.7	4.8	12.1	-.4	.6	-.29
06:00	11.2	4.4	8.3	11.4	4.9	11.9	-1.5	1.1	-.36
07:00	9.8	4.0	7.5	9.9	4.4	10.3	-.8	.3	-.25
08:00	10.7	4.8	8.3	10.9	5.2	11.3	-2.6	.4	-.44
09:00	11.1	5.1	9.3	11.4	5.6	11.8	-2.1	.8	-.52
10:00	14.0	7.3	11.4	14.4	8.0	15.1	-.9	1.1	-.50
11:00	15.6	7.9	12.8	16.0	8.6	16.6	-1.3	-.3	-.60
12:00	14.9	7.7	12.3	15.3	8.6	16.0	-1.1	-1.1	-.75
13:00	13.0	8.3	11.4	13.8	9.3	14.5	-1.0	4.4	-.43
14:00	12.6	7.3	10.8	13.3	8.4	14.1	.1	4.1	-.35
15:00	13.2	6.9	11.3	13.6	7.8	14.3	-.3	.8	-.47
16:00	11.5	6.4	9.9	12.2	7.0	12.9	.5	2.7	-.39
17:00	12.6	6.0	10.6	13.2	6.9	13.9	-1.6	.6	-.63
18:00	12.4	5.8	10.3	12.8	6.3	13.4	-.7	.3	-.48
19:00	10.9	5.0	9.2	11.2	5.6	11.7	-2.1	.2	-.64
20:00	10.3	4.0	8.0	10.5	4.5	11.0	-1.5	1.2	-.37
21:00	8.8	3.4	6.8	9.0	3.9	9.4	-2.6	1.9	-.40
22:00	9.1	3.1	6.6	9.2	3.5	9.7	.3	.9	-.17
23:00	7.8	2.9	5.6	7.9	3.2	8.3	-2.8	.9	-.32
Avg	.0	5.2	9.1	11.7	5.8	12.3	-1.3	1.0	-.42
Max	15.6	8.3	12.8	16.0	9.3	16.6	.5	4.4	-.17
Hr. of Max	11	13	11	11	13	11	16	13	22
Min	7.8	2.9	5.6	7.9	3.2	8.3	-3.7	-1.1	-.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/2/2016

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	-.03	11.2	17.2	21.1	19.5	8.0	24.2	23.9
01:00	.00	15.1	21.3	23.6	22.1	7.9	23.6	23.2
02:00	.14	13.1	20.6	20.2	22.0	9.6	23.2	22.8
03:00	-.13	12.4	15.8	21.3	19.7	8.4	22.8	22.4
04:00	.05	14.7	15.1	22.4	19.1	8.1	22.3	21.9
05:00	.01	13.7	21.8	24.3	21.6	8.3	22.1	21.7
06:00	.10	12.4	20.2	19.9	21.4	8.5	21.8	21.4
07:00	-.04	12.6	19.7	26.1	19.9	8.3	21.6	21.2
08:00	-.08	13.5	18.8	25.9	19.9	9.9	21.7	21.2
09:00	.03	17.9	20.4	23.1	22.0	9.9	22.1	21.4
10:00	.00	20.4	27.7	29.8	20.9	10.8	23.9	22.8
11:00	-.29	23.6	25.6	34.3	21.7	10.3	25.5	24.2
12:00	-.55	22.7	24.5	31.1	22.9	11.2	26.8	25.5
13:00	.63	20.4	31.1	35.3	19.9	14.4	28.4	26.9
14:00	.71	18.3	22.9	27.7	21.9	14.8	29.1	27.6
15:00	-.03	21.8	24.3	37.3	22.7	12.8	29.2	27.8
16:00	.28	19.9	27.2	27.2	24.8	14.0	29.5	28.2
17:00	-.12	19.9	26.1	26.6	22.6	12.4	29.0	28.0
18:00	-.12	28.4	39.2	40.1	23.5	9.9	28.4	27.5
19:00	-.13	14.7	20.8	20.4	22.3	10.4	27.0	26.4
20:00	.13	14.0	17.4	28.2	23.9	8.9	25.7	25.2
21:00	.21	11.4	15.3	23.8	21.8	9.0	24.8	24.4
22:00	.06	9.2	14.7	19.5	22.0	8.2	23.8	23.5
23:00	.04	11.2	14.0	15.8	19.1	8.0	23.0	22.7
Avg	.04	16.4	21.7	26.0	21.6	10.1	25.0	24.2
Max	.71	28.4	39.2	40.1	24.8	14.8	29.5	28.2
Hr. of Max	14	18	18	18	16	14	16	16
Min	-.55	9.2	14.0	15.8	19.1	7.9	21.6	21.2
Count	24	24	24	24	24	24	24	24
Total								