Date Printed: 08/02/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/1/2016

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	22.5	23.6	24.0	24.4	1.06	1.46	1.88	.40	.81
01:00	22.2	22.8	23.2	23.6	.64	1.04	1.42	.40	.78
02:00	21.9	22.7	23.0	23.4	.80	1.09	1.54	.29	.74
03:00	21.8	22.6	22.8	23.1	.84	1.07	1.34	.23	.50
04:00	21.4	22.1	22.4	22.6	.78	1.05	1.20	.27	.42
05:00	21.1	21.8	22.2	22.4	.76	1.08	1.29	.32	.54
06:00	21.0	21.8	22.1	22.2	.83	1.06	1.22	.23	.39
07:00	21.4	21.6	21.9	22.1	.23	.52	.68	.30	.46
08:00	22.7	22.3	22.3	22.3	-.35	-.38	-.33	-.03	.03
09:00	25.0	24.5	24.3	24.2	-.50	-.73	-.81	-.23	-.31
10:00	27.4	26.6	26.2	26.1	-.86	-1.18	-1.27	-.32	-.41
11:00	29.1	28.0	27.8	27.7	-1.07	-1.35	-1.45	-.28	-.38
12:00	30.5	29.3	29.0	28.9	-1.24	-1.56	-1.64	-.32	-.40
13:00	31.7	30.4	30.0	29.9	-1.36	-1.74	-1.82	-.38	-.46
14:00	32.2	30.9	30.6	30.5	-1.32	-1.64	-1.74	-.32	-.42
15:00	32.7	31.3	31.0	30.8	-1.34	-1.67	-1.84	-.34	-.51
16:00	33.0	31.8	31.5	31.4	-1.22	-1.53	-1.64	-.31	-.42
17:00	31.8	31.0	30.7	30.6	-.85	-1.15	-1.20	-.30	-.35
18:00	31.6	31.0	30.7	30.7	-.61	-.85	-.90	-.24	-.30
19:00	29.7	30.1	30.3	30.5	.37	.61	.73	.24	.36
20:00	27.5	28.3	29.7	30.1	.78	2.18	2.60	1.40	1.82
21:00	25.9	27.2	27.8	28.2	1.33	1.89	2.37	.57	1.04
22:00	25.1	26.7	26.9	27.2	1.54	1.80	2.10	.26	.56
23:00	25.1	26.1	26.0	26.1	1.00	.98	1.05	-.02	.05
Avg	26.4	26.4	26.5	26.6	.01	.09	.20	.08	.19
Max	33.0	31.8	31.5	31.4	1.54	2.18	2.60	1.40	1.82
Hr. of Max	16	16	16	16	22	20	20	20	20
Min	21.0	21.6	21.9	22.1	-1.36	-1.74	-1.84	-.38	-.51
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)

8/1/2016

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	20.9	22.0	21.5	28.3	93.1	93.3	18.2	19.4	0.01607
01:00	20.7	21.9	21.2	28.1	94.0	97.5	18.0	19.3	0.015858
02:00	20.5	22.0	21.0	27.8	94.4	98.7	17.8	19.4	0.015656
03:00	20.5	21.9	20.9	27.6	95.1	98.5	17.8	19.3	0.015664
04:00	20.2	21.5	20.6	27.4	95.5	98.5	17.5	18.8	0.015338
05:00	20.0	21.3	20.3	27.2	95.6	99.1	17.2	18.6	0.015105
06:00	19.9	21.2	20.3	27.0	95.8	98.8	17.2	18.5	0.015035
07:00	20.1	20.9	20.6	26.8	95.0	98.3	17.4	18.2	0.015257
08:00	20.9	21.1	21.5	26.7	92.3	95.2	18.2	18.4	0.016021
09:00	21.2	20.6	22.5	26.6	81.7	81.2	18.4	17.8	0.01631
10:00	21.2	20.5	23.2	26.6	70.8	71.5	18.2	17.6	0.016308
11:00	20.9	20.3	23.7	26.8	63.4	64.8	17.9	17.3	0.016105
12:00	20.8	20.3	24.1	27.2	58.1	60.3	17.7	17.2	0.016035
13:00	20.0	19.5	23.9	27.8	51.7	54.0	16.9	16.4	0.015296
14:00	19.8	19.3	23.9	28.5	49.5	51.7	16.6	16.1	0.015075
15:00	19.2	18.7	23.7	29.0	46.5	48.5	16.0	15.5	0.014531
16:00	19.1	18.5	23.7	29.3	45.3	46.6	15.8	15.3	0.014442
17:00	20.3	20.0	24.1	29.5	52.3	54.0	17.1	16.9	0.015562
18:00	21.2	20.7	24.6	29.7	56.0	56.3	18.1	17.6	0.016449
19:00	22.2	21.4	24.7	29.8	66.2	61.6	19.3	18.3	0.017476
20:00	22.5	21.9	24.2	29.8	76.4	70.2	19.8	19.0	0.017771
21:00	22.0	22.4	23.3	29.7	81.6	77.6	19.2	19.7	0.017196
22:00	21.9	22.0	23.0	29.5	84.6	77.8	19.2	19.2	0.017078
23:00	21.6	21.3	22.7	29.2	83.2	77.3	18.8	18.4	0.016719
Avg	20.7	20.9	22.6	28.2	75.8	76.3	17.8	18.0	0.015932
Max	22.5	22.4	24.7	29.8	95.8	99.1	19.8	19.7	0.017771
Hr. of Max	20	21	19	20	06	05	20	21	20
Min	19.1	18.5	20.3	26.6	45.3	46.6	15.8	15.3	0.014442
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/1/2016

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	0.017173	24.9	26.5	.00	29.15	987.1	-2.4	.00	357.5
01:00	0.017095	24.5	26.4	.00	29.15	987.3	-2.1	.00	273.6
02:00	0.017193	24.2	26.6	.00	29.15	987.3	-2.3	.00	315.9
03:00	0.017065	24.2	26.4	.00	29.14	987.0	-2.8	.00	14.7
04:00	0.016595	23.8	25.6	.00	29.14	987.0	-2.1	.00	326.7
05:00	0.016401	23.4	25.4	.00	29.15	987.2	-2.3	.00	323.4
06:00	0.016316	23.3	25.2	.00	29.17	987.8	-.3	.00	28.8
07:00	0.016008	23.7	24.8	.00	29.19	988.4	40.1	.06	251.2
08:00	0.016162	24.8	25.0	.00	29.20	988.8	155.6	.22	229.4
09:00	0.015732	25.3	24.4	.00	29.20	988.8	481.2	.69	161.1
10:00	0.015668	25.3	24.3	.00	29.20	988.8	670.9	.96	217.5
11:00	0.015465	25.0	24.0	.00	29.20	989.0	844.9	1.21	232.1
12:00	0.015499	24.8	24.0	.00	29.19	988.6	912.6	1.31	208.7
13:00	0.01477	23.7	22.9	.00	29.17	988.0	844.0	1.21	244.7
14:00	0.014606	23.4	22.7	.00	29.15	987.3	963.3	1.38	256.7
15:00	0.014066	22.5	21.8	.00	29.14	986.8	852.5	1.22	259.8
16:00	0.013891	22.4	21.5	.00	29.12	986.2	718.6	1.03	248.7
17:00	0.01529	24.1	23.7	.00	29.11	985.9	405.9	.58	289.4
18:00	0.015964	25.4	24.7	.00	29.11	985.8	273.8	.39	229.0
19:00	0.016629	26.9	25.7	.00	29.11	985.9	145.3	.21	286.6
20:00	0.017085	27.4	26.4	.00	29.14	986.7	14.4	.02	297.2
21:00	0.017709	26.5	27.3	.00	29.13	986.6	-2.2	.00	338.9
22:00	0.017205	26.4	26.6	.00	29.15	987.1	-2.6	.00	38.0
23:00	0.016474	25.8	25.5	.00	29.16	987.4	-2.5	.00	43.0
Avg	0.016086	24.7	24.9	.00	29.16	987.4	304.2	.44	282.0
Max	0.017709	27.4	27.3	.00	29.20	989.0	963.3	1.38	357.5
Hr. of Max	21	20	21	23	11	11	14	14	00
Min	0.013891	22.4	21.5	.00	29.11	985.8	-2.8	.00	14.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/1/2016

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	60.0	64.7	340.5	41.1	48.9	33.3	17.7	.3	.7
01:00	259.8	219.3	274.7	226.4	29.7	19.1	34.0	1.3	2.3
02:00	62.6	88.1	283.1	358.5	49.2	30.4	46.6	.2	.8
03:00	59.4	64.0	9.5	48.9	31.8	20.8	19.2	.8	1.5
04:00	94.0	87.6	278.2	71.4	34.2	28.1	41.2	.6	.5
05:00	311.3	126.9	300.5	162.1	50.0	48.8	19.6	.7	.5
06:00	70.8	62.9	12.7	44.9	33.9	17.7	9.1	.7	1.3
07:00	71.1	69.5	253.9	39.1	36.0	35.5	11.9	.7	.0
08:00	211.3	130.0	236.7	175.8	25.7	39.1	28.5	1.3	1.0
09:00	181.1	180.1	187.4	182.8	76.1	64.3	47.3	.6	.7
10:00	224.9	223.8	226.1	219.2	47.8	37.5	32.7	2.3	2.9
11:00	236.7	230.4	239.8	225.1	44.3	29.0	24.4	3.1	4.2
12:00	219.8	219.3	214.5	214.5	44.6	40.3	34.7	2.9	3.5
13:00	250.9	249.1	249.3	242.0	42.7	34.2	31.5	3.0	3.8
14:00	262.2	263.0	262.4	255.1	36.3	28.7	24.3	3.6	4.9
15:00	266.5	266.5	264.5	258.5	29.2	23.2	21.2	4.3	5.8
16:00	253.3	255.0	251.9	248.9	35.2	26.4	25.9	3.4	4.2
17:00	300.1	302.7	289.8	291.4	36.2	31.8	33.4	2.5	3.5
18:00	227.7	214.4	233.1	211.4	28.6	25.2	25.4	2.2	2.9
19:00	263.8	242.1	286.3	239.2	16.2	19.0	20.7	1.4	2.2
20:00	315.4	330.0	295.0	313.4	16.6	41.2	19.3	1.1	2.1
21:00	58.9	76.3	335.2	61.3	42.9	56.7	16.7	.9	1.0
22:00	65.7	60.3	39.6	47.1	24.7	13.0	12.7	1.4	2.8
23:00	53.4	59.3	44.8	47.1	20.8	12.0	8.4	1.9	3.8
Avg	266.0	170.0	277.0	244.0	36.7	31.5	25.3	.0	.0
Max	315.4	330.0	340.5	358.5	76.1	64.3	47.3	4.3	5.8
Hr. of Max	20	20	00	02	09	09	09	15	15
Min	53.4	59.3	9.5	39.1	16.2	12.0	8.4	.2	.0
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)

8/1/2016

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	1.5	1.2	1.5	1.7	1.4	2.1	1.6	1.8	.03
01:00	2.8	1.8	2.4	3.0	2.0	3.3	-.8	-.4	-.05
02:00	.4	.8	.9	.8	1.2	1.2	3.3	-.1	.07
03:00	2.1	.9	1.6	2.3	1.2	2.5	1.3	1.8	.01
04:00	1.5	1.0	1.6	2.0	1.3	2.3	1.6	.0	.01
05:00	.5	1.0	1.1	.6	1.3	1.0	.6	-4.2	-.01
06:00	1.7	.8	1.4	1.8	1.1	2.0	1.4	1.7	.03
07:00	.7	1.0	.4	.7	1.3	1.1	.4	.6	.01
08:00	.3	1.4	1.1	.6	1.8	1.0	-2.5	-3.8	-.08
09:00	1.0	1.2	1.4	1.6	1.8	2.2	-10.4	-4.9	-.33
10:00	3.1	3.2	3.5	3.6	3.7	4.1	-.7	-6.4	-.08
11:00	4.8	3.8	4.6	5.2	4.4	5.7	-5.2	-5.0	-.44
12:00	3.9	3.8	4.5	4.7	4.3	5.4	-3.0	-2.3	-.28
13:00	4.3	3.9	4.7	5.1	4.4	5.7	-.6	-3.7	-.14
14:00	5.8	4.4	5.6	6.5	4.9	6.9	-1.9	-3.3	-.36
15:00	6.6	4.9	6.4	7.2	5.4	7.7	-2.0	.7	-.38
16:00	4.7	4.1	4.7	5.2	4.6	5.8	-2.3	-.2	-.28
17:00	4.2	3.4	4.4	5.1	3.8	5.5	-3.9	.6	-.40
18:00	3.0	2.6	3.2	3.3	3.0	3.6	-1.1	-2.2	-.08
19:00	2.3	1.6	2.7	2.8	1.9	3.1	-1.3	-1.8	-.10
20:00	2.9	1.2	2.3	3.2	1.5	3.4	-1.1	2.6	-.05
21:00	1.6	1.2	1.5	1.8	1.4	2.2	1.0	-1.1	.03
22:00	4.0	1.6	2.8	4.1	1.8	4.4	-1.6	.9	-.07
23:00	5.4	2.0	3.9	5.4	2.2	5.7	-3.4	-1.0	-.18
Avg	.0	2.2	2.8	3.3	2.6	3.7	-1.3	-1.2	-.13
Max	6.6	4.9	6.4	7.2	5.4	7.7	3.3	2.6	.07
Hr. of Max	15	15	15	15	15	15	02	20	02
Min	.3	.8	.4	.6	1.1	1.0	-10.4	-6.4	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/1/2016

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	.09	3.2	5.7	4.8	8.1	7.5	25.3	25.9
01:00	-.01	4.1	5.7	6.0	7.0	4.6	24.5	25.2
02:00	.01	2.3	3.0	4.4	10.5	9.9	24.4	25.0
03:00	.08	2.7	3.0	5.0	10.2	4.3	24.3	24.5
04:00	.03	3.0	3.9	4.1	11.6	8.5	23.7	23.9
05:00	-.07	3.9	6.2	4.1	9.3	11.3	23.5	23.8
06:00	.06	3.0	3.9	2.7	7.8	5.1	23.4	23.6
07:00	.01	2.5	1.8	2.7	8.3	5.4	23.1	23.4
08:00	-.10	3.7	3.0	2.1	15.3	12.3	23.9	23.7
09:00	-.25	5.0	5.5	4.8	30.9	33.0	26.2	25.6
10:00	-.57	7.8	9.2	8.0	22.3	25.3	28.0	27.2
11:00	-.65	10.8	11.4	11.2	21.1	21.0	29.4	28.5
12:00	-.30	9.6	9.8	10.8	23.1	23.1	30.5	29.7
13:00	-.48	12.8	14.7	12.8	23.0	23.3	31.5	30.6
14:00	-.53	13.5	13.1	14.9	21.2	15.8	32.1	31.1
15:00	-.24	15.6	21.5	27.5	20.9	17.2	32.4	31.4
16:00	-.19	13.1	11.9	15.3	19.5	20.7	32.7	31.9
17:00	-.20	9.2	11.2	13.5	21.4	18.5	32.3	31.5
18:00	-.10	6.9	7.8	6.6	16.9	15.8	32.3	31.6
19:00	-.11	4.6	5.0	5.7	13.5	9.1	31.7	31.5
20:00	.18	3.4	6.4	6.6	8.5	9.0	29.9	31.2
21:00	-.02	5.5	6.6	5.3	10.8	12.0	28.9	29.7
22:00	.04	4.1	6.2	8.2	9.2	7.2	28.3	28.6
23:00	-.14	4.6	8.0	11.7	13.1	6.7	27.7	27.4
Avg	-.14	6.5	7.7	8.3	15.1	13.6	27.9	27.8
Max	.18	15.6	21.5	27.5	30.9	33.0	32.7	31.9
Hr. of Max	20	15	15	15	09	09	16	16
Min	-.65	2.3	1.8	2.1	7.0	4.3	23.1	23.4
Count	24	24	24	24	24	24	24	24
Total								