Date Printed: 06/18/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2016

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	23.6	25.7	27.4	28.0	2.14	3.78	4.38	1.64	2.24
01:00	24.3	26.9	27.6	27.9	2.52	3.28	3.54	.76	1.02
02:00	24.2	26.7	27.2	27.3	2.51	2.94	3.06	.43	.55
03:00	22.7	25.9	26.4	26.6	3.14	3.64	3.84	.50	.70
04:00	21.6	24.1	25.0	25.5	2.56	3.44	3.90	.89	1.35
05:00	20.9	22.9	23.5	23.9	2.01	2.68	3.06	.66	1.05
06:00	20.4	21.9	23.0	23.4	1.48	2.56	2.98	1.09	1.50
07:00	21.7	22.5	22.8	22.9	.85	1.12	1.22	.27	.37
08:00	23.9	23.6	23.3	23.3	-.35	-.59	-.61	-.24	-.26
09:00	25.7	25.0	24.8	24.7	-.68	-.91	-1.01	-.23	-.33
10:00	27.0	26.0	25.6	25.5	-.96	-1.35	-1.51	-.38	-.55
11:00	26.5	25.9	25.6	25.6	-.67	-.91	-1.00	-.24	-.32
12:00	27.8	26.8	26.4	26.2	-1.04	-1.46	-1.61	-.42	-.57
13:00	28.0	27.1	26.7	26.5	-.94	-1.31	-1.51	-.37	-.57
14:00	28.0	27.2	26.8	26.6	-.79	-1.16	-1.31	-.37	-.53
15:00	27.9	27.0	26.4	26.2	-.96	-1.48	-1.75	-.52	-.79
16:00	26.2	25.7	25.4	25.2	-.51	-.83	-.96	-.31	-.44
17:00	26.1	25.5	25.2	25.1	-.60	-.91	-1.01	-.31	-.42
18:00	26.6	26.0	25.7	25.6	-.61	-.89	-.99	-.28	-.38
19:00	25.6	25.4	25.2	25.2	-.14	-.32	-.39	-.18	-.24
20:00	23.8	24.4	24.5	24.6	.57	.70	.77	.13	.20
21:00	23.2	23.7	23.8	23.9	.51	.60	.69	.08	.18
22:00	23.0	23.2	23.2	23.3	.26	.23	.27	-.03	.01
23:00	22.5	22.8	22.7	22.8	.34	.29	.33	-.05	-.02
Avg	24.6	25.1	25.2	25.2	.44	.55	.60	.11	.16
Max	28.0	27.2	27.6	28.0	3.14	3.78	4.38	1.64	2.24
Hr. of Max	14	14	01	00	03	00	00	00	00
Min	20.4	21.9	22.7	22.8	-1.04	-1.48	-1.75	-.52	-.79
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2016

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	20.5	19.8	21.5	26.5	85.2	71.5	17.7	16.8	0.015799
01:00	20.9	19.8	22.1	26.3	83.7	67.1	18.1	16.8	0.016219
02:00	20.7	19.1	21.9	26.1	83.0	64.7	17.9	16.1	0.015989
03:00	19.8	18.2	20.8	25.9	86.0	64.4	17.0	15.3	0.015129
04:00	19.2	18.4	20.0	25.8	88.4	72.0	16.4	15.5	0.014516
05:00	18.9	18.5	19.5	25.6	90.6	78.4	16.1	15.7	0.014223
06:00	18.8	18.8	19.3	25.4	92.1	84.2	16.0	16.0	0.014098
07:00	19.4	18.8	20.2	25.2	89.2	81.4	16.6	16.0	0.014713
08:00	19.6	18.9	21.0	25.1	78.8	77.0	16.7	16.0	0.014876
09:00	18.7	18.0	21.0	25.0	67.1	66.7	15.7	15.1	0.014072
10:00	17.8	17.3	20.9	24.9	59.0	60.2	14.9	14.4	0.013346
11:00	17.7	17.1	20.7	25.0	59.9	60.1	14.8	14.3	0.013214
12:00	17.0	16.2	20.6	25.1	53.2	53.5	14.1	13.4	0.012648
13:00	16.6	15.9	20.4	25.3	51.1	51.7	13.7	13.2	0.012321
14:00	16.7	16.1	20.5	25.6	51.9	52.3	13.9	13.4	0.012456
15:00	16.9	16.1	20.6	25.8	52.6	52.9	14.0	13.4	0.012589
16:00	16.1	15.6	19.5	26.1	55.2	55.3	13.3	13.0	0.011915
17:00	16.6	16.2	19.8	26.3	57.3	57.8	13.8	13.5	0.012324
18:00	16.6	16.3	19.9	26.3	55.7	56.7	13.8	13.5	0.012314
19:00	16.5	16.2	19.5	26.3	58.8	58.2	13.7	13.5	0.012217
20:00	17.2	16.6	19.4	26.3	67.9	63.4	14.4	13.9	0.012718
21:00	17.1	16.8	19.1	26.2	69.9	66.4	14.3	14.0	0.01263
22:00	16.9	16.8	19.0	26.0	70.4	68.6	14.2	14.0	0.012523
23:00	17.1	17.0	18.9	25.7	73.5	71.4	14.4	14.3	0.012659
Avg	18.1	17.4	20.3	25.7	70.0	64.8	15.2	14.6	0.013563
Max	20.9	19.8	22.1	26.5	92.1	84.2	18.1	16.8	0.016219
Hr. of Max	01	01	01	00	06	06	01	01	01
Min	16.1	15.6	18.9	24.9	51.1	51.7	13.3	13.0	0.011915
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2016

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	0.01507	24.2	23.2	.00	28.91	978.9	-2.3	.00	238.1
01:00	0.015117	24.9	23.2	.00	28.91	978.9	-2.2	.00	264.6
02:00	0.014487	24.5	22.3	.00	28.90	978.8	-2.4	.00	258.8
03:00	0.013682	23.2	21.1	.00	28.90	978.8	-2.6	.00	273.7
04:00	0.013792	22.3	21.2	.00	28.91	979.0	-1.8	.00	256.0
05:00	0.013918	21.9	21.4	.00	28.91	979.1	-2.5	.00	239.0
06:00	0.014111	21.7	21.7	.00	28.92	979.5	7.9	.01	266.1
07:00	0.01415	22.6	21.8	.00	28.94	980.0	95.3	.14	58.6
08:00	0.014249	22.9	22.0	.00	28.96	980.6	277.4	.40	224.4
09:00	0.013451	21.7	20.8	.00	28.97	981.0	521.1	.75	308.3
10:00	0.012859	20.6	19.9	.00	28.97	981.2	716.0	1.03	328.8
11:00	0.012735	20.4	19.7	.00	28.98	981.5	386.2	.55	284.5
12:00	0.011975	19.6	18.5	.00	28.99	981.7	798.4	1.14	339.9
13:00	0.011788	19.1	18.3	.00	28.98	981.5	788.6	1.13	17.7
14:00	0.011968	19.3	18.5	.00	28.97	981.2	569.1	.82	41.0
15:00	0.011963	19.5	18.5	.00	28.97	981.1	859.1	1.23	53.7
16:00	0.011577	18.4	17.9	.00	28.97	981.1	338.6	.49	36.5
17:00	0.011986	19.1	18.5	.00	28.97	981.1	348.7	.50	18.5
18:00	0.012079	19.1	18.7	.00	28.99	981.6	365.7	.52	14.8
19:00	0.011997	18.9	18.6	.00	29.00	981.9	204.2	.29	25.2
20:00	0.012298	19.7	19.1	.00	29.02	982.8	19.9	.03	24.4
21:00	0.012381	19.6	19.2	.00	29.03	983.2	-1.3	.00	41.1
22:00	0.012393	19.4	19.2	.00	29.04	983.6	-1.6	.00	47.8
23:00	0.01256	19.6	19.5	.00	29.06	984.0	-1.6	.00	56.7
Avg	0.013024	20.9	20.1	.00	28.97	980.9	261.6	.38	342.0
Max	0.015117	24.9	23.2	.00	29.06	984.0	859.1	1.23	339.9
Hr. of Max	01	01	01	23	23	23	15	15	12
Min	0.011577	18.4	17.9	.00	28.90	978.8	-2.6	.00	14.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2016

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	239.4	252.4	241.4	17.1	7.7	6.9	2.2	5.0	6.8
01:00	272.5	272.4	267.4	37.8	33.0	24.5	1.2	2.8	4.5
02:00	254.2	264.4	260.8	33.3	16.4	14.7	1.9	3.5	4.9
03:00	270.6	275.1	276.3	11.1	7.1	6.5	2.5	4.6	6.3
04:00	273.8	284.2	258.3	23.8	21.8	9.3	1.4	3.6	6.3
05:00	219.4	236.8	242.9	16.1	10.6	20.3	1.8	2.9	3.6
06:00	266.4	273.8	266.6	18.6	13.4	9.5	1.3	3.8	5.7
07:00	336.2	318.7	55.4	61.3	55.0	40.0	.1	1.7	3.7
08:00	243.4	247.7	228.2	22.9	21.4	22.9	1.9	2.4	2.5
09:00	316.7	313.2	309.3	48.1	33.2	40.9	1.7	2.6	3.0
10:00	342.5	339.1	329.9	40.0	30.6	24.6	2.6	3.9	4.7
11:00	295.5	298.6	285.7	34.3	27.5	24.6	3.2	4.4	5.2
12:00	343.1	339.4	335.4	56.0	45.3	36.5	2.1	3.5	4.5
13:00	23.8	22.2	17.2	50.3	35.3	27.2	2.5	4.5	5.7
14:00	35.5	36.8	41.2	42.1	24.2	20.2	3.8	6.5	8.1
15:00	46.4	45.9	54.5	35.0	22.3	16.2	5.6	10.0	12.5
16:00	37.4	37.6	37.2	39.0	19.3	15.5	4.6	8.8	11.0
17:00	24.6	28.1	20.6	45.9	23.7	21.4	3.0	6.0	7.5
18:00	24.4	25.1	13.9	35.9	21.5	18.2	3.8	6.6	7.9
19:00	28.5	30.7	28.0	42.6	21.0	15.1	2.9	6.1	7.8
20:00	27.9	30.2	25.1	32.6	12.7	9.8	2.6	6.4	8.2
21:00	38.3	38.9	43.7	34.4	13.5	9.1	2.9	7.4	10.0
22:00	40.0	38.9	48.9	36.0	15.2	10.3	3.6	8.3	11.0
23:00	52.3	50.8	58.0	25.0	15.7	11.6	3.0	5.6	7.5
Avg	341.0	339.0	342.0	35.0	22.8	19.0	.0	.0	.0
Max	343.1	339.4	335.4	61.3	55.0	40.9	5.6	10.0	12.5
Hr. of Max	12	12	12	07	07	09	15	15	15
Min	23.8	22.2	13.9	11.1	7.1	6.5	.1	1.7	2.5
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)

6/17/2016

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	2.3	5.1	6.9	2.7	7.2	-1.4	.2	-.08	-.01
01:00	2.1	3.8	5.2	2.5	5.5	-1.2	-.6	-.06	-.11
02:00	2.1	3.7	5.1	2.6	5.3	.0	-1.1	-.05	-.14
03:00	2.6	4.6	6.4	2.8	6.5	-5.3	-.6	-.27	-.09
04:00	1.8	3.8	6.4	2.1	6.2	.3	2.5	-.03	.18
05:00	1.9	3.0	3.8	2.2	4.0	-.3	2.0	-.02	.13
06:00	1.5	4.2	6.0	1.8	6.0	-.2	1.8	-.02	.16
07:00	.9	2.2	4.0	1.3	4.1	3.1	2.4	.08	.10
08:00	2.2	2.7	2.7	2.6	3.1	.8	2.1	-.04	.04
09:00	2.7	3.3	3.7	3.2	4.3	-5.2	-4.3	-.45	-.62
10:00	3.9	5.3	6.0	4.4	6.5	-2.8	-5.8	-.55	-.82
11:00	3.7	4.9	5.7	4.1	6.0	-3.6	-3.8	-.41	-.55
12:00	3.3	4.6	5.6	3.9	6.1	1.7	.2	-.18	-.10
13:00	3.5	5.3	6.5	4.0	7.1	-2.7	-1.5	-.40	-.22
14:00	4.8	7.4	8.8	5.4	9.4	-1.2	.3	-.38	-.10
15:00	6.4	10.7	13.0	7.1	13.7	-.4	1.8	-.41	.15
16:00	5.4	9.3	11.5	6.2	12.1	-.8	1.0	-.50	-.01
17:00	3.7	6.4	7.9	4.2	8.5	.3	4.8	-.37	.37
18:00	4.5	7.1	8.4	4.9	9.0	-4.4	.0	-.66	-.23
19:00	3.3	6.5	8.1	4.2	8.7	-4.0	1.3	-.63	.08
20:00	2.9	6.5	8.4	3.1	8.8	-.3	.1	-.24	-.05
21:00	3.3	7.6	10.1	3.9	10.5	-.3	.8	-.29	.06
22:00	4.1	8.5	11.1	4.2	11.6	1.3	.1	-.12	-.10
23:00	3.3	5.9	7.7	3.6	8.1	-4.0	1.6	-.38	.13
Avg	3.2	5.5	7.0	3.6	7.4	-1.3	.2	-.27	-.07
Max	6.4	10.7	13.0	7.1	13.7	3.1	4.8	.08	.37
Hr. of Max	15	15	15	15	15	07	17	07	17
Min	.9	2.2	2.7	1.3	3.1	-5.3	-5.8	-.66	-.82
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2016

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	6.4	10.5	15.1	5.2	12.1	7.2	5.0	27.1	29.0
01:00	6.2	8.2	11.0	6.4	11.7	13.4	11.3	28.2	28.9
02:00	6.6	8.5	10.8	7.7	11.0	12.4	9.7	28.0	28.2
03:00	5.5	7.6	9.4	5.3	9.8	5.6	4.4	27.0	27.5
04:00	6.0	9.8	12.6	4.6	9.7	14.3	6.5	25.4	26.5
05:00	3.9	5.7	6.2	4.4	6.9	5.0	6.0	24.2	25.0
06:00	3.9	8.2	10.3	5.2	10.4	11.3	5.0	23.2	24.5
07:00	5.3	7.3	9.6	5.6	11.6	25.9	14.5	23.9	24.0
08:00	5.5	6.2	6.9	6.5	7.8	16.5	16.0	24.9	24.3
09:00	8.5	9.4	12.1	9.3	13.1	24.1	23.4	26.4	25.6
10:00	9.6	11.4	11.9	10.9	12.8	24.8	17.2	27.2	26.2
11:00	8.7	10.8	11.4	10.6	12.1	20.3	14.9	27.0	26.2
12:00	11.7	11.9	13.5	12.6	13.6	26.1	20.4	27.8	26.8
13:00	11.4	17.6	24.0	11.7	14.1	26.0	18.4	28.2	27.1
14:00	17.6	18.3	20.4	16.4	20.2	23.1	13.8	28.2	27.2
15:00	20.6	25.2	25.4	22.7	26.2	23.4	12.0	28.0	26.7
16:00	22.9	24.5	26.1	22.9	25.9	23.3	11.0	26.7	25.8
17:00	10.5	14.2	16.3	12.2	16.5	26.5	16.2	26.6	25.7
18:00	14.4	15.1	17.4	18.9	17.7	21.6	12.8	27.0	26.2
19:00	19.7	19.0	25.6	13.4	16.6	24.4	12.3	26.5	25.8
20:00	8.7	12.8	18.1	9.5	15.4	23.7	7.9	25.5	25.3
21:00	10.8	18.3	23.4	14.0	19.0	22.4	7.7	24.9	24.7
22:00	15.3	21.3	23.1	13.9	22.0	25.0	8.5	24.4	24.0
23:00	9.4	14.0	17.6	11.4	17.4	18.5	9.2	24.0	23.6
Avg	10.4	13.2	15.8	10.9	14.7	19.4	11.8	26.3	26.0
Max	22.9	25.2	26.1	22.9	26.2	26.5	23.4	28.2	29.0
Hr. of Max	16	15	16	16	15	17	09	14	00
Min	3.9	5.7	6.2	4.4	6.9	5.0	4.4	23.2	23.6
Count	24	24	24	24	24	24	24	24	24
Total									