Date Printed: 06/23/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/22/2016

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	22.0	23.4	23.9	24.1	1.44	1.89	2.18	.46	.75
01:00	21.8	22.8	23.1	23.6	1.02	1.28	1.76	.27	.75
02:00	21.4	22.4	22.8	23.5	1.02	1.42	2.06	.41	1.04
03:00	20.8	21.6	22.3	22.8	.81	1.45	1.99	.65	1.18
04:00	20.4	21.2	21.8	22.2	.78	1.35	1.75	.56	.96
05:00	20.1	21.1	21.4	21.9	.97	1.29	1.76	.32	.79
06:00	20.1	20.9	21.2	21.7	.78	1.13	1.58	.35	.80
07:00	21.9	22.0	22.2	22.5	.04	.30	.55	.26	.51
08:00	24.0	23.7	23.4	23.3	-.33	-.58	-.65	-.25	-.32
09:00	26.0	25.4	25.1	25.0	-.58	-.89	-1.00	-.31	-.42
10:00	28.3	27.4	27.0	26.9	-.92	-1.30	-1.40	-.38	-.48
11:00	29.6	28.7	28.4	28.3	-.86	-1.16	-1.28	-.29	-.41
12:00	30.7	29.6	29.3	29.2	-1.04	-1.32	-1.43	-.29	-.39
13:00	31.2	30.1	29.8	29.8	-1.12	-1.37	-1.43	-.24	-.30
14:00	32.6	31.3	31.1	30.9	-1.25	-1.53	-1.64	-.28	-.39
15:00	33.2	32.1	31.8	31.6	-1.08	-1.42	-1.57	-.34	-.48
16:00	31.2	30.4	30.0	29.9	-.78	-1.11	-1.26	-.33	-.48
17:00	32.0	31.3	31.0	30.9	-.63	-.95	-1.10	-.32	-.47
18:00	31.7	31.4	31.1	31.0	-.33	-.57	-.64	-.24	-.31
19:00	29.7	30.1	30.4	30.4	.36	.65	.73	.29	.37
20:00	27.4	28.4	29.5	29.7	1.02	2.08	2.28	1.06	1.26
21:00	25.8	27.1	28.0	28.5	1.33	2.18	2.66	.85	1.33
22:00	24.9	26.0	26.6	27.1	1.14	1.77	2.22	.63	1.07
23:00	24.1	25.1	25.7	26.3	1.04	1.61	2.24	.57	1.20
Avg	26.3	26.4	26.5	26.7	.12	.26	.43	.14	.32
Max	33.2	32.1	31.8	31.6	1.44	2.18	2.66	1.06	1.33
Hr. of Max	15	15	15	15	00	21	21	20	21
Min	20.1	20.9	21.2	21.7	-1.25	-1.53	-1.64	-.38	-.48
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)

6/22/2016

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	20.3	20.4	20.9	25.6	92.6	85.7	17.5	17.6	0.015433
01:00	20.3	20.7	20.8	25.4	93.6	90.0	17.6	17.9	0.01546
02:00	20.1	20.7	20.5	25.3	94.2	92.0	17.3	17.9	0.015194
03:00	19.6	20.6	20.0	25.1	95.2	96.4	16.9	17.9	0.014802
04:00	19.3	20.6	19.7	25.0	95.9	98.6	16.6	17.9	0.014536
05:00	19.0	20.5	19.4	24.8	95.7	98.9	16.3	17.8	0.014229
06:00	19.0	20.3	19.4	24.6	95.8	98.9	16.3	17.6	0.014235
07:00	20.4	20.5	20.9	24.5	93.5	93.8	17.7	17.7	0.015538
08:00	20.6	20.1	21.7	24.4	83.4	82.8	17.7	17.3	0.015718
09:00	20.8	20.4	22.5	24.3	75.2	75.7	17.9	17.5	0.015955
10:00	21.3	20.8	23.6	24.4	68.0	69.2	18.3	17.8	0.016495
11:00	21.5	21.0	24.2	24.5	63.7	65.0	18.5	18.0	0.016663
12:00	21.5	21.0	24.6	24.9	60.2	61.8	18.5	17.9	0.016763
13:00	21.5	21.0	24.7	25.3	58.4	60.1	18.4	17.9	0.01674
14:00	20.5	20.2	24.5	25.7	50.6	53.2	17.3	17.0	0.015743
15:00	20.3	19.8	24.6	26.1	48.4	50.0	17.0	16.6	0.015574
16:00	21.6	21.3	24.8	26.5	58.9	60.3	18.6	18.2	0.016893
17:00	21.1	20.8	24.7	26.9	54.4	55.2	17.9	17.6	0.016365
18:00	21.2	20.8	24.7	27.2	55.5	55.2	18.0	17.6	0.016423
19:00	22.0	21.4	24.6	27.4	65.7	61.9	19.1	18.4	0.017311
20:00	22.7	22.1	24.3	27.5	78.1	71.0	20.0	19.3	0.018053
21:00	22.5	22.8	23.6	27.4	84.4	80.0	19.8	20.2	0.017738
22:00	22.3	23.1	23.1	27.3	88.0	86.5	19.6	20.6	0.017514
23:00	22.0	22.8	22.7	27.1	90.7	89.6	19.4	20.3	0.017241
Avg	20.9	21.0	22.7	25.7	76.7	76.3	18.0	18.1	0.016109
Max	22.7	23.1	24.8	27.5	95.9	98.9	20.0	20.6	0.018053
Hr. of Max	20	22	16	20	04	06	20	22	20
Min	19.0	19.8	19.4	24.3	48.4	50.0	16.3	16.6	0.014229
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)

6/22/2016

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	0.01559	23.9	24.1	.00	29.14	986.7	-2.4	.00	239.3
01:00	0.01581	23.9	24.5	.00	29.14	987.0	-2.3	.00	304.1
02:00	0.015789	23.5	24.4	.00	29.14	986.8	-2.2	.00	265.8
03:00	0.015748	22.9	24.4	.00	29.13	986.5	-2.3	.00	245.6
04:00	0.015693	22.5	24.3	.00	29.12	986.1	-2.1	.00	358.0
05:00	0.015608	22.1	24.1	.00	29.11	986.0	-2.4	.00	245.5
06:00	0.015423	22.1	23.9	.00	29.13	986.3	18.9	.03	338.3
07:00	0.015612	24.1	24.2	.00	29.14	987.0	142.4	.20	200.5
08:00	0.015292	24.3	23.7	.00	29.15	987.3	278.7	.40	231.6
09:00	0.015521	24.7	24.1	.00	29.17	987.9	453.5	.65	218.7
10:00	0.015914	25.5	24.7	.00	29.18	988.1	665.8	.95	225.2
11:00	0.016156	25.8	25.0	.00	29.18	988.2	644.3	.92	246.9
12:00	0.016192	25.9	25.1	.00	29.17	988.0	681.3	.98	235.7
13:00	0.016161	25.9	25.0	.00	29.16	987.5	728.4	1.04	258.0
14:00	0.015399	24.4	23.8	.00	29.14	986.8	904.7	1.30	281.9
15:00	0.015132	24.1	23.4	.00	29.12	986.1	727.7	1.04	219.0
16:00	0.016526	26.1	25.5	.00	29.12	986.1	466.7	.67	185.3
17:00	0.016015	25.3	24.7	.00	29.10	985.6	474.7	.68	171.6
18:00	0.016026	25.3	24.7	.00	29.10	985.3	272.0	.39	165.8
19:00	0.01667	26.7	25.7	.00	29.09	985.1	142.0	.20	265.0
20:00	0.017419	27.8	26.8	.00	29.09	985.1	35.8	.05	329.9
21:00	0.018172	27.3	28.0	.00	29.10	985.4	-1.3	.00	341.9
22:00	0.018431	27.0	28.4	.00	29.11	985.9	-2.4	.00	319.4
23:00	0.018105	26.6	27.9	.00	29.11	985.8	-1.7	.00	277.0
Avg	0.016184	24.9	25.0	.00	29.13	986.5	275.7	.40	254.0
Max	0.018431	27.8	28.4	.00	29.18	988.2	904.7	1.30	358.0
Hr. of Max	22	20	22	23	11	11	14	14	04
Min	0.015132	22.1	23.4	.00	29.09	985.1	-2.4	.00	165.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/22/2016

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	280.8	280.1	248.0	30.9	38.2	23.6	.7	1.4	2.9
01:00	181.6	161.9	291.5	20.3	25.7	11.1	.8	.3	1.3
02:00	253.5	206.6	266.2	37.0	18.0	7.4	1.6	2.6	3.2
03:00	241.0	193.5	248.0	40.1	47.0	18.6	1.2	1.2	1.5
04:00	355.5	195.4	307.8	51.4	47.1	29.8	.3	.2	.8
05:00	62.2	157.0	265.1	31.3	33.9	12.4	.3	.2	.4
06:00	33.0	125.8	310.5	59.9	24.4	29.0	.3	.5	.2
07:00	273.2	219.0	224.5	30.8	23.6	38.5	.4	.7	1.3
08:00	239.2	225.7	236.7	25.8	17.5	16.0	1.8	2.5	3.3
09:00	222.3	218.8	224.7	20.4	16.5	12.8	4.4	5.8	6.8
10:00	234.3	232.4	229.1	35.8	27.0	21.9	3.5	4.7	5.4
11:00	251.6	253.7	250.3	30.7	22.5	17.6	4.7	6.7	8.0
12:00	246.2	247.9	242.4	34.9	27.1	22.6	4.2	5.5	6.6
13:00	261.0	257.6	262.1	30.1	23.0	23.0	3.2	4.6	5.4
14:00	285.8	284.1	283.7	35.9	29.8	27.8	3.4	4.4	5.4
15:00	228.3	231.3	223.1	35.8	36.0	33.5	3.4	4.1	4.6
16:00	193.7	191.4	190.9	26.4	21.1	16.9	5.0	6.6	8.0
17:00	182.2	183.3	177.0	23.5	17.5	14.8	5.1	6.3	7.5
18:00	170.2	169.0	171.3	23.5	17.6	15.1	3.1	4.1	5.0
19:00	215.0	172.6	261.2	40.7	64.6	19.0	.9	1.4	2.4
20:00	18.7	131.5	324.9	16.9	46.9	14.9	1.0	.5	.8
21:00	56.0	84.3	341.2	32.1	39.2	30.5	.8	1.0	.9
22:00	44.0	100.1	312.4	24.3	21.9	8.3	.6	.8	.8
23:00	234.9	176.2	273.7	16.4	12.8	11.3	.7	1.2	.9
Avg	243.0	198.0	257.0	31.5	29.1	19.9	.0	.0	.0
Max	355.5	284.1	341.2	59.9	64.6	38.5	5.1	6.7	8.0
Hr. of Max	04	14	21	06	19	07	17	11	16
Min	18.7	84.3	171.3	16.4	12.8	7.4	.3	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/22/2016

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	.9	1.9	3.2	1.3	3.3	1.5	2.1	.04	.01
01:00	.9	1.3	1.4	1.1	1.8	1.1	-.4	.02	-.01
02:00	1.7	2.8	3.3	2.0	3.5	-1.0	-1.3	-.06	-.09
03:00	1.3	1.3	1.6	1.7	1.9	.4	-.7	-.01	-.02
04:00	.3	.4	.9	.6	1.3	1.3	-1.0	.02	-.03
05:00	.4	.5	.6	.7	1.0	1.7	-.6	.02	-.01
06:00	.4	.6	.3	.7	.8	2.7	-1.1	.04	-.01
07:00	.6	1.4	1.4	.9	1.7	2.2	.5	.05	.01
08:00	1.9	2.7	3.4	2.5	3.8	2.4	-1.5	-.01	-.16
09:00	4.8	6.1	7.0	5.2	7.5	-1.3	-3.1	-.27	-.52
10:00	4.2	5.3	5.9	4.6	6.5	4.5	2.0	.07	.05
11:00	5.4	7.3	8.5	6.1	9.1	-.6	-.2	-.27	-.21
12:00	4.8	6.1	7.1	5.4	7.7	-2.0	-3.4	-.30	-.57
13:00	4.0	5.2	5.9	4.4	6.3	-1.1	-2.4	-.26	-.43
14:00	4.2	5.2	6.1	4.7	6.7	-3.4	-4.8	-.52	-.73
15:00	4.3	5.2	5.7	4.9	6.3	1.6	2.1	-.04	.04
16:00	5.6	7.1	8.4	6.3	8.8	2.1	-.7	.04	-.40
17:00	5.4	6.6	7.7	5.9	8.0	2.7	-1.1	.10	-.30
18:00	3.4	4.3	5.3	3.9	5.5	1.8	-.6	.04	-.16
19:00	1.5	1.8	2.6	1.8	2.8	3.2	2.3	.05	-.03
20:00	1.1	.8	1.0	1.2	1.3	1.9	.6	.04	.02
21:00	1.0	1.3	1.0	1.2	1.4	1.4	2.4	.03	.10
22:00	.8	.9	.8	1.0	1.2	-.4	.9	-.01	.04
23:00	.8	1.2	.9	1.1	1.3	1.0	-1.2	.02	-.03
Avg	2.5	3.2	3.8	2.9	4.1	1.0	-.5	-.05	-.14
Max	5.6	7.3	8.5	6.3	9.1	4.5	2.4	.10	.10
Hr. of Max	16	11	11	16	11	10	21	17	21
Min	.3	.4	.3	.6	.8	-3.4	-4.8	-.52	-.73
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/22/2016

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	3.9	8.5	11.7	4.0	8.9	14.0	13.9	24.9	25.4
01:00	2.5	3.2	3.2	2.8	3.3	5.8	7.5	24.4	24.9
02:00	4.6	5.0	5.3	3.7	5.2	6.4	2.9	24.0	24.9
03:00	3.0	3.0	3.4	3.4	3.2	6.1	5.4	23.2	24.2
04:00	1.8	3.9	4.6	1.6	2.7	8.4	8.4	22.7	23.5
05:00	1.4	1.6	1.8	1.7	2.1	6.0	7.3	22.6	23.2
06:00	2.1	2.3	1.8	2.3	1.8	6.6	8.4	22.4	23.0
07:00	2.5	3.7	4.6	3.1	4.9	12.8	11.3	23.6	23.6
08:00	6.2	7.3	10.3	7.0	10.5	23.2	13.8	25.2	24.4
09:00	11.0	12.6	14.2	11.2	13.3	17.4	11.1	26.8	26.0
10:00	9.6	11.7	20.4	11.7	11.7	23.4	17.3	28.8	27.8
11:00	13.7	17.2	18.1	15.0	19.3	18.5	13.9	30.1	29.2
12:00	13.1	22.2	15.1	13.6	15.9	16.8	14.3	31.0	30.1
13:00	12.6	13.7	18.8	12.0	14.3	19.6	15.5	31.5	30.6
14:00	12.1	15.6	15.1	12.1	16.1	21.6	18.1	32.7	31.7
15:00	11.4	12.6	12.4	12.7	14.0	22.1	20.8	33.2	32.3
16:00	14.9	18.5	20.8	16.8	21.1	18.6	15.4	31.8	30.9
17:00	13.1	14.0	14.4	13.1	14.2	18.0	12.1	32.7	31.9
18:00	9.8	15.1	13.3	9.1	11.6	17.1	12.4	32.7	32.1
19:00	7.6	8.9	10.3	7.5	10.9	18.5	16.8	31.6	31.6
20:00	2.7	2.5	4.6	3.1	4.5	7.8	12.9	30.1	31.0
21:00	2.7	3.4	3.4	3.1	3.9	8.2	12.2	28.9	29.9
22:00	1.8	3.4	3.7	2.1	2.7	7.0	7.5	27.9	28.7
23:00	2.1	3.0	3.2	2.2	3.6	6.7	4.8	27.0	28.0
Avg	6.9	8.9	9.8	7.3	9.2	13.8	11.8	27.9	27.9
Max	14.9	22.2	20.8	16.8	21.1	23.4	20.8	33.2	32.3
Hr. of Max	16	12	16	16	16	10	15	15	15
Min	1.4	1.6	1.8	1.6	1.8	5.8	2.9	22.4	23.0
Count	24	24	24	24	24	24	24	24	24
Total									