Date Printed: 07/13/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2016

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	23.1	23.2	23.6	.34	.43	.86	.09	.52
01:00	21.9	21.8	22.1	22.8	-.02	.28	.97	.30	.99
02:00	21.4	21.5	21.8	22.5	.10	.40	1.16	.30	1.05
03:00	20.8	21.2	21.5	22.0	.40	.66	1.15	.26	.75
04:00	20.4	21.0	21.3	21.7	.68	.97	1.34	.30	.67
05:00	20.6	21.1	21.3	21.5	.50	.69	.86	.20	.36
06:00	20.6	21.0	21.1	21.4	.35	.49	.77	.14	.42
07:00	21.1	21.2	21.3	21.5	.11	.22	.39	.11	.29
08:00	22.5	22.2	22.0	22.0	-.27	-.48	-.53	-.21	-.26
09:00	23.7	23.2	23.0	22.9	-.46	-.71	-.76	-.26	-.31
10:00	25.6	24.8	24.5	24.4	-.84	-1.12	-1.17	-.28	-.33
11:00	27.4	26.4	26.1	26.0	-.94	-1.25	-1.30	-.32	-.37
12:00	28.9	27.8	27.5	27.4	-1.08	-1.42	-1.53	-.34	-.44
13:00	30.0	28.9	28.6	28.6	-1.06	-1.33	-1.41	-.27	-.35
14:00	30.8	29.8	29.4	29.3	-.97	-1.34	-1.45	-.37	-.48
15:00	26.2	25.5	25.2	25.1	-.65	-.92	-1.03	-.27	-.38
16:00	24.3	23.9	23.8	23.8	-.34	-.49	-.48	-.14	-.14
17:00	25.9	25.2	24.8	24.7	-.76	-1.09	-1.22	-.33	-.46
18:00	26.3	25.9	25.6	25.5	-.43	-.69	-.83	-.26	-.40
19:00	26.3	26.0	25.8	25.8	-.34	-.47	-.50	-.14	-.16
20:00	24.3	24.7	25.1	25.3	.42	.77	1.00	.35	.57
21:00	22.9	23.3	24.3	24.5	.44	1.39	1.67	.95	1.23
22:00	22.3	23.1	23.2	23.5	.78	.93	1.18	.15	.40
23:00	21.7	22.5	22.9	23.1	.77	1.13	1.33	.36	.56
Avg	24.1	24.0	24.0	24.1	-.14	-.12	.02	.01	.16
Max	30.8	29.8	29.4	29.3	.78	1.39	1.67	.95	1.23
Hr. of Max	14	14	14	14	22	21	21	21	21
Min	20.4	21.0	21.1	21.4	-1.08	-1.42	-1.53	-.37	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2016

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	20.8	20.8	21.4	27.1	91.0	89.5	18.0	18.1	0.015907
01:00	20.8	21.0	21.2	26.9	96.3	97.4	18.1	18.3	0.015944
02:00	20.4	20.9	20.7	26.7	96.9	99.2	17.7	18.2	0.015566
03:00	20.0	20.6	20.3	26.5	97.3	98.9	17.3	17.9	0.015122
04:00	19.5	20.4	19.8	26.3	97.4	98.7	16.8	17.7	0.0147
05:00	19.8	20.3	20.1	26.1	97.4	97.8	17.1	17.6	0.014923
06:00	19.8	20.1	20.1	25.9	97.4	97.3	17.1	17.4	0.014924
07:00	20.2	20.2	20.5	25.7	97.0	96.5	17.5	17.5	0.015287
08:00	20.4	20.1	21.1	25.6	90.3	89.9	17.7	17.3	0.01554
09:00	20.3	19.9	21.4	25.4	83.8	83.8	17.5	17.1	0.015439
10:00	20.1	19.5	22.0	25.4	73.7	74.2	17.2	16.5	0.015268
11:00	20.1	19.3	22.5	25.6	66.6	66.6	17.1	16.3	0.015278
12:00	20.2	19.4	23.1	26.0	61.0	61.9	17.1	16.3	0.015351
13:00	20.3	19.6	23.5	26.6	57.9	58.9	17.2	16.5	0.015492
14:00	20.3	19.6	23.8	27.3	55.3	56.0	17.1	16.5	0.0155
15:00	18.6	18.2	21.1	27.7	65.1	66.1	15.6	15.3	0.013854
16:00	20.0	19.6	21.4	27.9	79.3	78.8	17.1	16.7	0.015181
17:00	19.2	18.9	21.4	27.8	68.3	70.2	16.2	16.0	0.014427
18:00	19.9	19.6	22.1	27.8	69.7	70.2	16.9	16.7	0.015096
19:00	20.4	20.1	22.4	27.8	72.1	71.9	17.5	17.1	0.0156
20:00	21.1	21.0	22.2	27.7	84.5	82.1	18.3	18.2	0.01622
21:00	20.9	21.1	21.6	27.6	91.0	90.0	18.2	18.4	0.016036
22:00	20.7	21.2	21.2	27.4	92.9	91.6	17.9	18.5	0.015807
23:00	20.3	20.8	20.8	27.2	93.8	92.5	17.5	18.1	0.015389
Avg	20.2	20.1	21.5	26.8	82.3	82.5	17.3	17.3	0.015327
Max	21.1	21.2	23.8	27.9	97.4	99.2	18.3	18.5	0.01622
Hr. of Max	20	22	14	16	06	02	20	22	20
Min	18.6	18.2	19.8	25.4	55.3	56.0	15.6	15.3	0.013854
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)

7/12/2016

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	0.015964	24.6	24.7	.14	29.14	986.8	-2.2	.00	253.8
01:00	0.016114	24.7	24.9	.00	29.14	986.7	-2.7	.00	265.4
02:00	0.016024	24.1	24.8	.00	29.14	986.9	-1.7	.00	254.0
03:00	0.015753	23.4	24.4	.00	29.15	987.0	-2.5	.00	266.8
04:00	0.01554	22.8	24.1	.00	29.15	987.2	-2.1	.00	276.4
05:00	0.01544	23.1	23.9	.00	29.16	987.4	-2.4	.00	280.3
06:00	0.015233	23.2	23.6	.00	29.18	988.1	3.1	.00	247.1
07:00	0.0153	23.7	23.7	.00	29.19	988.4	88.1	.13	246.0
08:00	0.015223	24.1	23.6	.00	29.20	988.9	224.7	.32	228.5
09:00	0.015026	24.0	23.3	.00	29.21	989.3	422.4	.61	231.4
10:00	0.014614	23.7	22.7	.00	29.22	989.5	648.5	.93	237.7
11:00	0.014469	23.7	22.5	.00	29.22	989.4	833.6	1.19	224.4
12:00	0.014611	23.8	22.7	.00	29.21	989.3	898.2	1.29	222.5
13:00	0.014824	24.0	23.0	.00	29.19	988.7	762.7	1.09	217.8
14:00	0.014843	24.0	23.0	.00	29.17	988.0	832.2	1.19	214.1
15:00	0.013553	21.5	21.1	.00	29.20	988.7	375.2	.54	295.8
16:00	0.014788	23.5	22.9	.00	29.17	988.0	158.8	.23	54.6
17:00	0.014162	22.4	22.0	.00	29.17	987.7	403.7	.58	27.4
18:00	0.014823	23.4	23.0	.00	29.15	987.3	279.7	.40	91.9
19:00	0.015262	24.1	23.6	.00	29.15	987.0	184.7	.26	345.4
20:00	0.016165	25.1	25.0	.00	29.14	987.0	20.5	.03	339.9
21:00	0.016277	24.8	25.2	.00	29.14	986.9	-1.6	.00	308.4
22:00	0.016329	24.5	25.3	.00	29.16	987.4	-2.3	.00	18.0
23:00	0.015899	23.9	24.6	.00	29.18	988.3	-2.2	.00	334.3
Avg	0.01526	23.8	23.7	.01	29.17	987.9	254.9	.37	270.0
Max	0.016329	25.1	25.3	.14	29.22	989.5	898.2	1.29	345.4
Hr. of Max	22	20	22	00	11	10	12	12	19
Min	0.013553	21.5	21.1	.00	29.14	986.7	-2.7	.00	18.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2016

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	258.2	249.7	257.5	249.0	58.8	66.7	52.4	3.5	6.1
01:00	272.9	144.8	267.5	141.4	34.1	27.6	17.5	.8	.6
02:00	252.7	227.2	255.9	223.5	16.9	17.5	9.1	1.0	1.2
03:00	230.0	219.4	267.7	215.0	22.2	11.8	5.4	.9	2.3
04:00	227.4	215.0	282.9	211.8	39.5	15.4	9.7	.9	1.9
05:00	238.9	223.0	278.9	219.6	27.7	14.2	11.2	.8	1.8
06:00	233.9	220.6	251.2	216.2	13.8	7.2	4.5	1.8	3.6
07:00	233.2	219.1	250.8	214.1	14.3	8.0	5.2	1.9	3.6
08:00	234.7	228.1	233.2	223.2	24.3	17.2	13.5	2.7	4.0
09:00	233.1	228.8	237.7	223.7	27.3	18.0	13.8	3.4	5.0
10:00	242.2	237.8	245.7	233.0	26.1	21.0	18.1	3.7	4.6
11:00	237.9	229.0	231.4	228.8	61.6	58.2	43.4	2.0	2.4
12:00	228.7	226.9	229.2	221.3	33.8	25.5	23.2	3.8	5.2
13:00	222.5	219.5	223.3	212.9	32.9	27.6	23.3	4.4	5.6
14:00	222.6	219.2	218.8	213.4	30.0	22.9	18.6	5.2	7.9
15:00	317.9	316.1	298.1	303.2	56.4	44.3	39.9	2.9	4.0
16:00	69.0	76.8	57.4	61.0	53.3	40.8	23.8	1.1	2.0
17:00	28.5	33.4	26.4	15.6	40.0	27.0	21.8	2.1	3.3
18:00	92.2	89.6	93.7	77.0	26.9	24.1	18.9	3.5	4.0
19:00	21.1	45.3	339.7	26.2	49.2	28.5	24.0	.7	2.0
20:00	34.7	58.4	337.5	43.6	41.1	19.6	18.6	.9	2.1
21:00	22.8	77.1	304.0	57.0	33.7	18.6	16.3	.6	1.5
22:00	20.4	25.5	17.6	8.6	37.3	22.1	22.0	1.5	2.9
23:00	41.7	73.0	323.5	47.2	29.3	21.3	16.3	.6	1.1
Avg	259.0	211.0	273.0	221.0	34.6	25.2	19.6	.0	.0
Max	317.9	316.1	339.7	303.2	61.6	66.7	52.4	5.2	7.9
Hr. of Max	15	15	19	15	11	00	00	14	14
Min	20.4	25.5	17.6	8.6	13.8	7.2	4.5	.6	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2016

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	8.3	4.8	7.4	10.1	5.1	10.4	.4	1.3	-.20
01:00	.5	1.0	.8	1.0	1.4	1.3	2.6	-1.6	.04
02:00	3.4	1.1	1.3	3.6	1.5	3.8	-.3	-.7	-.01
03:00	4.5	.9	2.4	4.5	1.3	4.8	-1.3	.0	-.03
04:00	3.7	1.0	2.0	3.7	1.2	4.0	-1.0	-.7	-.05
05:00	3.4	.9	1.8	3.5	1.2	3.8	-1.5	-1.2	-.04
06:00	5.2	1.9	3.6	5.2	2.3	5.5	-1.7	-.9	-.09
07:00	5.5	2.0	3.6	5.5	2.3	5.8	-1.7	-1.6	-.11
08:00	4.9	2.9	4.2	5.0	3.3	5.4	.4	.1	-.10
09:00	6.2	3.8	5.2	6.4	4.3	6.9	-.3	-2.0	-.19
10:00	5.0	4.0	4.9	5.2	4.6	5.8	-2.6	-5.8	-.31
11:00	2.9	2.8	3.2	3.4	3.4	3.9	-7.3	-6.7	-.41
12:00	6.0	4.6	5.9	6.6	5.2	7.1	-1.4	-4.3	-.24
13:00	6.7	5.1	6.3	7.2	5.6	7.7	-.2	-.9	-.14
14:00	9.7	6.0	8.5	10.2	6.8	10.8	2.2	.0	-.08
15:00	5.2	5.3	7.6	9.3	6.0	10.0	-2.5	-.1	-.56
16:00	2.6	1.7	2.6	3.1	2.0	3.4	.2	4.2	-.02
17:00	3.6	2.5	3.5	3.8	2.9	4.2	-3.3	-3.3	-.40
18:00	4.6	3.8	4.4	5.0	4.4	5.5	1.4	2.4	.04
19:00	2.6	1.6	2.8	3.1	2.0	3.3	.6	1.6	-.06
20:00	2.3	1.0	2.7	3.1	1.4	3.3	-.4	-.3	-.05
21:00	1.8	.7	1.6	1.8	1.0	2.1	1.8	.7	.05
22:00	3.7	1.9	3.2	4.0	2.1	4.3	-3.4	3.5	-.15
23:00	1.3	.7	1.1	1.4	.9	1.8	.7	.8	.01
Avg	.0	2.6	3.8	4.8	3.0	5.2	-.8	-.6	-.13
Max	9.7	6.0	8.5	10.2	6.8	10.8	2.6	4.2	.05
Hr. of Max	14	14	14	14	14	14	01	16	21
Min	.5	.7	.8	1.0	.9	1.3	-7.3	-6.7	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/12/2016

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	.13	17.6	21.5	24.7	14.7	8.0	24.7	25.0
01:00	-.04	3.2	3.7	4.1	12.4	10.7	23.6	24.1
02:00	-.06	3.0	3.4	6.0	7.0	4.2	23.1	23.9
03:00	.00	2.5	3.7	7.8	6.3	2.9	22.8	23.3
04:00	-.06	2.5	5.7	9.4	7.7	4.0	22.6	23.0
05:00	-.09	2.3	3.4	6.6	6.8	4.9	22.7	22.7
06:00	-.08	4.4	5.5	7.3	6.5	1.5	22.5	22.6
07:00	-.17	4.4	6.6	8.5	11.5	3.3	22.7	22.6
08:00	-.12	6.9	8.5	9.4	17.8	11.4	23.7	23.0
09:00	-.38	10.8	12.1	14.0	19.4	12.2	24.6	23.9
10:00	-.63	10.8	16.9	13.3	18.0	15.4	26.1	25.3
11:00	-.60	8.2	8.9	10.3	25.8	26.7	27.7	26.9
12:00	-.57	11.0	13.5	14.4	20.3	15.6	29.0	28.1
13:00	-.18	11.7	12.8	14.2	18.2	15.5	30.1	29.3
14:00	-.34	21.5	25.9	27.2	20.4	13.2	30.9	30.0
15:00	-.34	27.0	31.1	40.5	24.0	17.9	26.7	25.9
16:00	.24	5.5	7.1	8.2	25.3	14.1	25.5	24.9
17:00	-.35	8.2	9.4	8.5	27.2	15.7	26.6	25.8
18:00	.19	9.4	8.9	8.7	17.2	16.8	27.4	26.7
19:00	.09	5.3	10.8	9.2	23.1	15.1	27.6	27.0
20:00	-.04	3.9	6.2	5.7	14.2	8.2	26.4	26.6
21:00	.02	2.5	3.2	4.4	9.9	9.6	24.9	25.9
22:00	.28	6.0	8.9	8.2	16.5	7.1	24.7	24.8
23:00	.05	2.3	5.5	9.8	11.0	8.3	24.1	24.4
Avg	-.13	8.0	10.1	11.7	15.9	10.9	25.4	25.2
Max	.28	27.0	31.1	40.5	27.2	26.7	30.9	30.0
Hr. of Max	22	15	15	15	17	11	14	14
Min	-.63	2.3	3.2	4.1	6.3	1.5	22.5	22.6
Count	24	24	24	24	24	24	24	24
Total								