Date Printed: 07/24/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2016

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	25.7	26.0	26.3	26.9	.34	.67	1.20	.34	.86
01:00	24.6	25.1	25.5	26.0	.51	.87	1.34	.36	.83
02:00	24.4	24.8	25.2	25.6	.40	.78	1.24	.37	.84
03:00	24.1	24.6	25.1	25.5	.48	1.00	1.37	.52	.89
04:00	23.9	24.3	24.8	25.0	.47	.92	1.13	.45	.66
05:00	23.6	24.1	24.4	24.7	.49	.88	1.17	.39	.68
06:00	23.7	23.9	24.3	24.6	.29	.63	.95	.34	.66
07:00	24.5	24.3	24.5	24.7	-.15	-.02	.23	.13	.38
08:00	26.7	26.2	25.9	25.8	-.51	-.72	-.85	-.22	-.34
09:00	28.4	27.8	27.5	27.3	-.65	-.98	-1.10	-.33	-.45
10:00	29.2	28.5	28.2	28.1	-.79	-1.03	-1.12	-.24	-.33
11:00	31.1	29.8	29.4	29.3	-1.28	-1.62	-1.70	-.34	-.42
12:00	32.9	31.5	31.1	30.9	-1.37	-1.74	-1.96	-.37	-.58
13:00	33.4	32.2	31.9	31.7	-1.16	-1.49	-1.63	-.34	-.47
14:00	33.8	32.8	32.5	32.5	-.94	-1.24	-1.32	-.31	-.39
15:00	34.4	33.3	33.0	32.8	-1.07	-1.41	-1.55	-.35	-.48
16:00	30.7	30.5	30.9	31.3	-.23	.20	.59	.43	.82
17:00	29.7	29.4	29.3	29.3	-.31	-.46	-.42	-.15	-.11
18:00	24.5	24.3	24.2	24.2	-.16	-.28	-.27	-.13	-.11
19:00	23.3	23.3	23.2	23.3	-.03	-.04	.07	-.02	.10
20:00	23.1	23.0	23.0	23.1	-.13	-.14	.00	-.01	.13
21:00	22.8	22.9	23.0	23.1	.10	.17	.27	.07	.17
22:00	22.5	22.8	22.9	23.0	.26	.40	.48	.14	.22
23:00	22.2	22.7	22.9	23.0	.53	.76	.84	.23	.31
Avg	26.8	26.6	26.6	26.7	-.20	-.16	-.04	.04	.16
Max	34.4	33.3	33.0	32.8	.53	1.00	1.37	.52	.89
Hr. of Max	15	15	15	15	23	03	03	03	03
Min	22.2	22.7	22.9	23.0	-1.37	-1.74	-1.96	-.37	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2016

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	22.1	21.8	23.3	29.9	82.9	79.7	19.3	18.9	0.017287
01:00	22.4	22.1	23.1	29.7	89.9	85.9	19.8	19.4	0.01764
02:00	22.3	22.2	23.0	29.5	90.5	88.0	19.6	19.5	0.017504
03:00	22.0	21.9	22.7	29.2	90.7	87.6	19.4	19.2	0.017229
04:00	21.8	21.9	22.5	29.0	90.7	88.8	19.1	19.2	0.016972
05:00	21.7	22.2	22.3	28.8	91.9	92.2	19.1	19.6	0.016913
06:00	21.9	22.2	22.5	28.6	92.3	92.5	19.2	19.6	0.017069
07:00	22.3	22.1	23.0	28.4	89.9	89.9	19.6	19.5	0.017484
08:00	21.2	20.7	23.0	28.3	74.2	74.2	18.3	17.8	0.016397
09:00	21.0	20.4	23.5	28.2	66.0	66.2	18.0	17.4	0.016195
10:00	21.3	20.9	23.9	28.2	64.1	65.5	18.2	17.9	0.016479
11:00	21.4	20.7	24.6	28.3	58.4	60.0	18.3	17.6	0.016623
12:00	20.5	20.1	24.6	28.6	49.9	52.5	17.3	16.9	0.015776
13:00	20.6	20.5	24.9	29.3	49.0	51.7	17.4	17.3	0.01595
14:00	20.2	19.9	24.7	29.9	46.6	48.2	16.9	16.7	0.01551
15:00	19.8	19.7	24.7	30.2	44.3	46.6	16.5	16.5	0.015208
16:00	22.7	22.0	25.4	30.5	64.8	62.6	19.9	19.0	0.018152
17:00	21.4	21.1	24.2	30.6	62.9	62.8	18.4	18.0	0.016665
18:00	21.1	21.2	22.2	30.6	84.3	85.3	18.3	18.4	0.016275
19:00	21.8	22.0	22.3	30.4	94.1	95.4	19.2	19.4	0.017007
20:00	21.9	22.1	22.3	29.9	95.4	97.3	19.3	19.5	0.017113
21:00	21.7	22.2	22.1	29.6	96.1	98.8	19.1	19.7	0.016871
22:00	21.5	22.2	21.9	29.2	96.6	99.1	18.9	19.6	0.016683
23:00	21.2	22.1	21.6	28.9	97.0	99.2	18.6	19.6	0.01638
Avg	21.5	21.4	23.3	29.3	77.6	77.9	18.7	18.6	0.016724
Max	22.7	22.2	25.4	30.6	97.0	99.2	19.9	19.7	0.018152
Hr. of Max	16	22	16	18	23	23	16	21	16
Min	19.8	19.7	21.6	28.2	44.3	46.6	16.5	16.5	0.015208
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2016

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	0.016947	26.7	26.2	.00	29.12	986.3	-1.5	.00	238.4
01:00	0.017362	27.2	26.8	.00	29.10	985.6	-1.7	.00	290.6
02:00	0.017435	27.0	26.9	.00	29.10	985.5	-2.8	.00	330.0
03:00	0.017113	26.6	26.4	.00	29.10	985.5	-2.8	.00	296.4
04:00	0.0171	26.2	26.4	.00	29.10	985.4	-1.6	.00	254.9
05:00	0.017469	26.1	26.9	.00	29.10	985.5	-2.7	.00	318.5
06:00	0.017408	26.3	26.8	.00	29.10	985.6	4.3	.01	268.4
07:00	0.017319	27.0	26.7	.00	29.11	985.8	79.4	.11	244.8
08:00	0.015903	25.3	24.6	.00	29.12	986.1	290.9	.42	226.0
09:00	0.015637	25.0	24.2	.00	29.12	986.3	491.7	.70	212.1
10:00	0.016091	25.5	24.9	.00	29.12	986.2	375.5	.54	291.5
11:00	0.015897	25.7	24.6	.00	29.12	986.0	787.6	1.13	200.3
12:00	0.015342	24.4	23.7	.00	29.10	985.5	846.8	1.21	152.1
13:00	0.015762	24.6	24.3	.00	29.08	984.8	669.1	.96	73.2
14:00	0.015245	23.9	23.5	.00	29.06	984.3	583.7	.84	205.9
15:00	0.015089	23.5	23.3	.00	29.05	983.7	485.8	.70	8.0
16:00	0.017315	27.9	26.6	.00	29.05	983.7	387.8	.56	97.5
17:00	0.016345	25.7	25.2	.00	29.07	984.3	99.3	.14	174.3
18:00	0.016334	25.1	25.2	.45	29.11	986.0	12.2	.02	220.4
19:00	0.017212	26.2	26.5	.17	29.10	985.4	23.9	.03	239.7
20:00	0.01731	26.4	26.7	.00	29.09	985.0	14.2	.02	244.3
21:00	0.017442	26.0	26.9	.00	29.10	985.4	-1.7	.00	228.7
22:00	0.017378	25.8	26.8	.00	29.11	985.9	-2.4	.00	270.6
23:00	0.017316	25.3	26.7	.00	29.13	986.5	-2.3	.00	314.8
Avg	0.016657	25.8	25.7	.03	29.10	985.4	213.9	.31	250.0
Max	0.017469	27.9	26.9	.45	29.13	986.5	846.8	1.21	330.0
Hr. of Max	05	16	21	18	23	23	12	12	02
Min	0.015089	23.5	23.3	.00	29.05	983.7	-2.8	.00	8.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2016

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	245.1	247.3	239.9	258.9	45.9	43.6	37.1	1.1	1.8
01:00	232.6	139.9	294.8	236.0	53.6	47.1	38.6	.8	1.1
02:00	13.4	140.5	328.4	317.9	54.0	44.7	29.3	.7	.5
03:00	39.8	67.3	294.1	42.5	21.1	21.6	14.9	.6	.9
04:00	47.9	107.8	256.4	87.9	39.0	37.6	12.1	.9	.0
05:00	354.1	93.4	315.4	59.1	30.2	19.5	11.5	.6	.8
06:00	275.6	78.8	264.7	28.8	20.3	52.6	10.7	.9	.3
07:00	202.8	140.4	247.1	135.7	36.1	34.3	14.2	1.1	.8
08:00	215.4	192.1	231.7	191.5	25.0	27.2	24.8	1.6	1.8
09:00	228.7	224.0	219.5	226.0	59.6	48.4	51.0	1.3	1.6
10:00	299.5	297.3	286.1	289.1	51.6	43.1	50.9	1.3	1.4
11:00	199.5	185.7	209.0	184.7	56.1	49.9	43.5	1.0	1.2
12:00	148.9	136.8	160.6	126.0	61.7	54.7	45.9	1.1	1.1
13:00	70.6	85.8	72.1	63.4	64.1	67.7	67.2	1.5	1.6
14:00	213.9	212.6	210.3	215.4	61.9	51.2	42.7	1.4	1.7
15:00	8.2	357.1	6.1	339.3	56.9	59.7	57.3	1.0	2.2
16:00	45.4	43.9	116.4	24.2	65.2	56.2	46.3	2.2	2.1
17:00	174.6	159.6	184.0	159.2	44.1	38.5	28.4	2.7	3.5
18:00	225.2	223.0	226.3	216.6	25.4	18.6	14.8	6.5	10.1
19:00	251.1	252.7	244.2	246.1	32.9	24.8	19.2	4.1	6.7
20:00	245.4	246.7	242.5	245.1	28.8	28.6	24.7	1.4	2.5
21:00	182.1	162.7	229.1	158.3	47.3	37.4	28.1	.6	1.2
22:00	240.5	201.9	270.9	201.8	39.3	24.8	18.6	1.3	2.0
23:00	227.8	169.9	314.5	166.3	42.3	50.5	27.6	.9	.9
Avg	234.0	164.0	251.0	194.0	44.3	40.9	31.6	.0	.0
Max	354.1	357.1	328.4	339.3	65.2	67.7	67.2	6.5	10.1
Hr. of Max	05	15	02	15	16	13	13	18	18
Min	8.2	43.9	6.1	24.2	20.3	18.6	10.7	.6	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2016

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	2.9	1.4	2.1	3.1	1.7	3.4	1.7	-.8	.00
01:00	.6	2.3	2.8	2.7	2.6	3.0	-.5	1.9	-.08
02:00	.6	1.3	2.0	1.9	1.6	2.2	1.7	.7	.01
03:00	1.2	.8	1.0	1.4	1.1	1.7	1.3	1.4	.02
04:00	1.1	1.0	.9	1.1	1.3	1.5	.8	.9	.02
05:00	.6	.8	1.6	.6	1.0	1.1	-.7	-1.0	-.02
06:00	.3	1.0	.5	.3	1.3	1.1	.8	1.0	.02
07:00	1.2	1.2	1.2	1.3	1.6	1.6	-1.3	.5	-.05
08:00	2.2	1.7	2.0	2.4	2.2	2.7	-1.6	-5.7	-.11
09:00	1.7	1.8	2.1	2.3	2.4	2.7	2.7	-1.6	.10
10:00	1.0	1.9	1.9	1.7	2.3	2.2	-3.2	-2.2	-.15
11:00	1.5	2.3	2.2	2.2	2.9	2.8	-4.7	-1.7	-.22
12:00	1.5	2.5	2.8	2.8	3.4	3.7	-.8	-.8	.02
13:00	1.9	3.1	3.4	3.6	3.7	4.2	.4	2.7	-.04
14:00	2.1	2.9	3.5	3.7	3.5	4.3	.6	-3.4	-.01
15:00	2.8	3.0	4.1	4.6	3.5	5.3	4.1	5.2	.10
16:00	2.8	3.2	4.7	6.1	3.8	6.6	1.2	6.0	.07
17:00	4.5	3.2	3.9	5.0	3.8	5.4	4.5	3.4	.21
18:00	13.4	8.2	11.9	15.0	8.9	15.6	-.6	.0	-.28
19:00	9.1	4.7	7.2	9.6	5.1	10.0	-1.3	.3	-.29
20:00	3.7	1.5	2.6	3.8	1.9	4.0	.7	1.0	.00
21:00	1.6	1.8	2.1	2.6	2.2	3.0	4.2	2.2	.09
22:00	2.7	1.6	2.2	2.9	1.9	3.2	-1.7	-1.5	-.09
23:00	1.4	1.2	1.5	2.0	1.4	2.3	-.5	-2.5	-.04
Avg	.0	2.3	2.9	3.4	2.7	3.9	.3	.3	-.03
Max	13.4	8.2	11.9	15.0	8.9	15.6	4.5	6.0	.21
Hr. of Max	18	18	18	18	18	18	17	16	17
Min	.3	.8	.5	.3	1.0	1.1	-4.7	-5.7	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/23/2016

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	-.01	4.6	10.5	15.3	11.7	10.1	27.7	28.2
01:00	.05	7.1	7.6	7.3	10.0	8.8	26.9	27.4
02:00	.02	7.8	10.8	11.0	11.4	9.2	26.6	27.1
03:00	.04	2.3	5.7	4.8	8.2	5.3	26.3	26.9
04:00	.03	2.3	4.1	3.9	7.5	10.2	26.1	26.5
05:00	-.01	3.4	5.7	2.3	9.5	7.9	25.9	26.3
06:00	.02	3.0	2.1	3.0	6.0	6.1	25.7	26.1
07:00	.00	3.2	3.4	2.7	11.4	12.8	26.2	26.2
08:00	-.37	5.3	6.0	5.5	21.9	21.1	27.7	27.0
09:00	-.16	5.3	6.2	6.4	28.1	30.3	29.3	28.5
10:00	-.02	8.5	7.6	5.5	25.9	32.2	30.1	29.4
11:00	-.07	7.6	7.8	7.1	25.9	33.2	31.3	30.5
12:00	.13	7.8	8.0	7.6	28.1	33.5	32.8	31.9
13:00	.27	8.5	8.9	8.5	25.1	24.4	33.6	32.7
14:00	-.20	11.4	11.2	11.4	25.5	26.6	34.1	33.3
15:00	.32	12.8	14.0	15.1	26.3	24.0	34.6	33.7
16:00	.69	19.2	22.2	20.4	20.8	14.4	32.2	32.4
17:00	.24	18.5	22.9	22.9	24.5	21.8	30.9	30.4
18:00	-.11	18.5	22.9	24.0	14.7	7.7	26.0	25.6
19:00	-.10	15.8	17.6	21.8	14.6	9.3	25.2	24.9
20:00	.07	4.8	7.6	8.7	14.1	9.2	24.9	24.7
21:00	.13	4.8	8.7	8.9	15.2	16.3	24.8	24.6
22:00	-.11	6.2	10.3	9.4	10.0	9.1	24.7	24.6
23:00	-.09	3.2	4.6	5.5	10.2	12.8	24.6	24.6
Avg	.03	8.0	9.9	10.0	16.9	16.5	28.3	28.1
Max	.69	19.2	22.9	24.0	28.1	33.5	34.6	33.7
Hr. of Max	16	16	18	18	12	12	15	15
Min	-.37	2.3	2.1	2.3	6.0	5.3	24.6	24.6
Count	24	24	24	24	24	24	24	24
Total								