Date Printed: 07/06/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/5/2017

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	21.2	21.9	22.3	22.7	.69	1.01	1.43	.33	.74
01:00	21.3	21.8	22.2	22.8	.52	.88	1.52	.37	1.00
02:00	21.5	21.9	22.2	22.6	.37	.68	1.05	.31	.68
03:00	22.1	22.1	22.2	22.5	.00	.17	.42	.17	.42
04:00	22.4	22.3	22.3	22.3	-.08	-.16	-.11	-.08	-.02
05:00	22.5	22.4	22.3	22.3	-.12	-.25	-.24	-.12	-.11
06:00	22.5	22.4	22.3	22.3	-.09	-.18	-.16	-.09	-.07
07:00	22.5	22.4	22.3	22.3	-.15	-.25	-.25	-.11	-.10
08:00	23.3	23.0	22.7	22.6	-.28	-.53	-.64	-.26	-.36
09:00	24.3	24.0	23.7	23.7	-.35	-.58	-.66	-.23	-.31
10:00	25.1	24.7	24.4	24.3	-.42	-.67	-.77	-.25	-.35
11:00	26.5	25.9	25.6	25.5	-.62	-.89	-1.02	-.27	-.40
12:00	28.4	27.6	27.2	27.1	-.86	-1.17	-1.29	-.31	-.43
13:00	29.9	28.9	28.6	28.5	-1.06	-1.35	-1.45	-.30	-.40
14:00	25.7	25.4	25.2	25.2	-.37	-.52	-.49	-.16	-.12
15:00	21.7	21.4	21.3	21.3	-.26	-.39	-.37	-.12	-.11
16:00	21.9	21.6	21.4	21.4	-.31	-.48	-.54	-.17	-.22
17:00	23.8	23.4	23.0	22.9	-.42	-.73	-.84	-.31	-.42
18:00	24.0	23.7	23.5	23.5	-.23	-.44	-.51	-.20	-.28
19:00	23.0	22.9	22.8	22.8	-.09	-.18	-.18	-.09	-.09
20:00	22.4	22.5	22.5	22.6	.11	.12	.21	.01	.10
21:00	22.1	22.3	22.2	22.2	.11	.10	.09	-.01	-.02
22:00	21.4	21.7	21.8	21.8	.31	.35	.35	.04	.04
23:00	20.7	21.2	21.5	21.6	.49	.79	.95	.30	.46
Avg	23.3	23.2	23.1	23.2	-.13	-.19	-.15	-.06	-.02
Max	29.9	28.9	28.6	28.5	.69	1.01	1.52	.37	1.00
Hr. of Max	13	13	13	13	00	00	01	01	01
Min	20.7	21.2	21.3	21.3	-1.06	-1.35	-1.45	-.31	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/5/2017

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	21.4	20.8	24.5	98.0	99.3	17.8	18.8	0.015624
01:00	20.6	21.3	20.8	24.4	98.0	99.4	17.9	18.6	0.015677
02:00	20.8	21.4	21.0	24.3	98.1	99.4	18.1	18.7	0.015912
03:00	21.3	21.5	21.6	24.2	98.1	99.4	18.7	18.9	0.016428
04:00	21.7	21.8	21.9	24.1	98.1	99.4	19.0	19.2	0.016792
05:00	21.8	21.9	22.0	24.0	98.1	99.5	19.2	19.3	0.016905
06:00	21.7	22.0	22.0	24.0	98.1	100.2	19.1	19.4	0.016847
07:00	21.8	22.2	22.0	23.9	98.1	101.6	19.2	19.7	0.016897
08:00	22.0	22.3	22.4	23.9	95.0	98.3	19.3	19.7	0.017097
09:00	21.5	21.8	22.4	23.9	86.7	89.9	18.8	19.1	0.016612
10:00	21.5	21.6	22.7	23.9	83.0	85.2	18.8	18.8	0.016666
11:00	21.6	21.3	23.3	23.9	76.7	78.0	18.8	18.5	0.016768
12:00	21.7	21.2	23.9	24.1	69.1	70.4	18.8	18.2	0.016862
13:00	21.6	21.0	24.4	24.4	62.8	64.4	18.5	18.0	0.016756
14:00	20.0	20.0	21.9	24.9	73.9	75.4	17.0	17.0	0.015134
15:00	20.5	20.8	20.9	25.3	95.6	98.5	17.8	18.1	0.015622
16:00	21.0	21.0	21.3	25.3	97.1	99.0	18.3	18.4	0.016094
17:00	21.4	21.3	22.2	25.2	89.2	90.7	18.7	18.6	0.016528
18:00	21.4	21.5	22.3	25.1	87.9	89.8	18.7	18.8	0.016517
19:00	21.7	22.0	22.2	25.1	95.2	97.5	19.1	19.4	0.016865
20:00	21.6	21.9	21.9	25.0	97.9	99.0	19.0	19.3	0.016738
21:00	21.4	21.7	21.6	24.9	98.0	99.2	18.7	19.1	0.016488
22:00	20.7	21.2	20.9	24.8	98.0	99.2	18.0	18.5	0.015766
23:00	20.0	20.7	20.2	24.7	98.0	99.4	17.3	18.0	0.015074
Avg	21.2	21.5	21.9	24.5	91.2	93.0	18.5	18.8	0.016361
Max	22.0	22.3	24.4	25.3	98.1	101.6	19.3	19.7	0.017097
Hr. of Max	08	08	13	16	07	07	08	08	08
Min	20.0	20.0	20.2	23.9	62.8	64.4	17.0	17.0	0.015074
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/5/2017

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	0.01651	24.2	25.5	.00	29.17	987.8	-2.6	.00	231.2
01:00	0.016401	24.3	25.4	.00	29.16	987.6	-2.1	.00	250.9
02:00	0.016493	24.6	25.5	.00	29.16	987.5	-2.9	.00	192.5
03:00	0.016643	25.4	25.7	.00	29.16	987.5	-2.4	.00	229.5
04:00	0.016942	26.0	26.2	.00	29.17	987.9	-2.0	.00	200.9
05:00	0.017022	26.2	26.3	.00	29.19	988.5	-2.6	.00	129.5
06:00	0.017115	26.1	26.5	.00	29.20	988.8	-.2	.00	173.0
07:00	0.017333	26.2	26.8	.00	29.21	989.1	32.3	.05	178.1
08:00	0.017404	26.5	26.9	.00	29.22	989.5	167.6	.24	194.0
09:00	0.016879	25.7	26.2	.00	29.23	989.8	184.6	.26	226.9
10:00	0.016698	25.8	25.9	.00	29.23	989.9	289.2	.41	217.9
11:00	0.016437	26.0	25.5	.00	29.23	989.9	623.7	.89	216.0
12:00	0.016334	26.1	25.3	.00	29.22	989.5	855.4	1.23	207.9
13:00	0.016168	25.9	25.1	.00	29.20	988.9	1004.5	1.44	198.1
14:00	0.015124	23.5	23.5	.10	29.22	989.5	207.3	.30	258.7
15:00	0.01584	24.3	24.6	.07	29.23	989.9	99.9	.14	184.0
16:00	0.016093	25.0	25.0	.00	29.23	990.0	139.9	.20	210.4
17:00	0.016375	25.6	25.4	.00	29.23	989.9	414.5	.59	183.6
18:00	0.016636	25.6	25.8	.01	29.22	989.4	128.4	.18	182.6
19:00	0.017177	26.1	26.6	.01	29.19	988.6	47.3	.07	157.0
20:00	0.017034	25.9	26.4	.00	29.19	988.7	20.0	.03	211.6
21:00	0.016791	25.5	26.0	.00	29.20	988.8	-2.0	.00	176.8
22:00	0.016268	24.4	25.2	.00	29.20	988.7	-2.7	.00	138.2
23:00	0.015755	23.4	24.4	.00	29.21	989.1	-2.5	.00	152.0
Avg	0.016561	25.3	25.7	.01	29.20	989.0	174.7	.25	196.0
Max	0.017404	26.5	26.9	.10	29.23	990.0	1004.5	1.44	258.7
Hr. of Max	08	08	08	14	17	16	13	13	14
Min	0.015124	23.4	23.5	.00	29.16	987.5	-2.9	.00	129.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/5/2017

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	243.3	228.5	243.4	224.1	30.8	12.3	6.7	1.6	2.9
01:00	243.7	241.6	265.9	236.9	52.9	52.0	12.9	.7	.8
02:00	237.3	231.7	227.2	227.0	24.0	14.6	7.7	1.0	2.1
03:00	233.6	227.0	233.4	223.1	17.2	6.8	4.8	2.2	4.8
04:00	224.4	225.5	213.7	221.4	24.8	11.0	9.3	1.7	3.9
05:00	192.9	201.0	177.4	196.5	42.0	45.6	25.8	.4	1.0
06:00	192.4	190.3	190.9	185.6	22.1	15.1	12.0	1.6	2.5
07:00	201.0	199.3	193.1	194.7	28.3	19.3	14.6	2.1	3.1
08:00	212.8	212.0	201.2	207.4	28.8	21.3	15.4	2.7	3.6
09:00	244.0	240.5	234.6	235.4	30.5	19.9	15.3	2.1	2.5
10:00	239.2	235.5	228.1	230.5	42.9	20.5	18.1	2.0	2.9
11:00	231.8	227.6	217.9	223.2	26.4	22.5	18.4	3.7	4.4
12:00	224.3	216.3	212.6	211.9	41.6	36.3	30.8	3.1	4.0
13:00	216.1	214.7	206.8	211.0	42.9	34.0	27.1	3.2	4.0
14:00	268.7	266.9	258.6	261.1	38.4	32.3	30.0	4.1	5.7
15:00	199.1	193.3	198.9	202.1	48.0	44.4	36.5	1.9	3.1
16:00	218.1	208.5	219.1	204.6	50.3	38.9	30.3	1.6	2.6
17:00	204.2	204.2	194.6	199.9	30.7	23.7	25.9	2.5	3.0
18:00	192.5	193.3	186.3	189.6	25.2	20.7	16.4	3.0	4.2
19:00	170.7	167.9	171.5	162.8	32.3	30.4	26.4	1.3	2.2
20:00	225.7	201.2	279.9	200.0	47.4	30.9	30.5	.4	.9
21:00	182.9	173.9	205.7	169.1	35.2	16.3	14.2	1.4	2.6
22:00	237.3	223.1	256.0	218.7	63.1	14.0	8.8	.3	1.5
23:00	254.0	262.2	237.5	257.3	67.3	65.0	16.3	.1	.7
Avg	220.0	216.0	218.0	212.0	37.2	27.0	18.9	.0	.0
Max	268.7	266.9	279.9	261.1	67.3	65.0	36.5	4.1	5.7
Hr. of Max	14	14	20	14	23	23	15	14	14
Min	170.7	167.9	171.5	162.8	17.2	6.8	4.8	.1	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/5/2017

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	3.8	1.8	3.0	3.9	2.2	4.2	.7	-.2	.00
01:00	2.2	1.0	1.0	2.3	1.4	2.5	.1	.1	-.01
02:00	3.1	1.1	2.1	3.2	1.6	3.4	1.4	-.1	.02
03:00	6.8	2.3	4.8	6.8	2.6	7.2	-1.1	-.3	-.08
04:00	5.2	1.8	4.0	5.3	2.4	5.7	1.4	-.3	-.02
05:00	1.7	.4	1.1	1.8	1.0	2.1	7.1	-2.5	.12
06:00	3.4	1.7	2.6	3.5	2.3	3.8	2.5	1.0	.03
07:00	4.1	2.2	3.2	4.3	2.7	4.5	2.2	.8	.01
08:00	4.5	3.0	3.9	4.7	3.5	5.0	1.7	-2.2	-.02
09:00	2.7	2.3	2.6	2.8	2.7	3.2	-2.8	-2.9	-.19
10:00	3.5	2.4	3.3	3.7	2.9	4.1	2.7	.3	-.01
11:00	4.9	4.1	4.7	5.2	4.7	5.8	-.7	.7	-.18
12:00	4.8	3.9	4.7	5.4	4.6	6.0	1.0	.7	.00
13:00	4.7	3.9	4.6	5.2	4.6	5.8	2.1	-2.3	.03
14:00	7.1	6.1	8.3	10.1	6.6	10.6	-.7	-1.4	-.40
15:00	4.6	2.7	4.0	5.2	3.2	9.5	1.1	1.8	.04
16:00	3.5	2.2	3.3	4.1	2.6	4.4	.9	-.6	-.02
17:00	3.3	2.8	3.3	3.6	3.3	4.0	1.0	-3.2	.04
18:00	5.3	3.6	4.7	5.8	3.9	6.1	4.6	1.4	.19
19:00	3.3	1.9	3.0	3.9	2.4	4.2	7.1	5.0	.19
20:00	1.3	1.5	2.6	3.2	2.0	3.5	-.6	1.2	-.06
21:00	3.6	1.6	2.7	3.7	2.1	4.0	1.8	-1.3	.03
22:00	2.5	.4	1.7	2.6	1.0	2.9	.8	-2.2	.02
23:00	2.3	.3	.9	2.4	1.0	2.6	2.7	1.3	.05
Avg	.0	2.3	3.3	4.3	2.8	4.8	1.5	-.2	-.01
Max	7.1	6.1	8.3	10.1	6.6	10.6	7.1	5.0	.19
Hr. of Max	14	14	14	14	14	14	19	19	19
Min	1.3	.3	.9	1.8	1.0	2.1	-2.8	-3.2	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/5/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.02	3.9	5.7	7.8	7.3	3.6	23.5	24.1
01:00	.01	2.7	3.0	4.1	7.6	3.8	23.5	24.3
02:00	-.02	2.7	4.1	6.2	7.3	4.4	23.5	24.0
03:00	-.05	4.6	7.1	9.8	11.3	3.1	23.7	23.9
04:00	-.06	6.0	8.9	10.8	15.0	6.4	24.1	23.7
05:00	-.07	3.0	5.5	10.1	19.9	14.2	24.2	23.7
06:00	.06	6.0	6.2	6.9	15.9	9.8	24.1	23.7
07:00	.00	6.6	7.3	7.8	17.4	10.0	24.1	23.7
08:00	-.22	7.3	10.3	11.9	18.6	12.3	24.7	24.1
09:00	-.25	10.3	9.6	11.0	16.5	17.5	25.6	25.0
10:00	-.01	5.7	7.1	7.1	21.5	17.6	26.3	25.6
11:00	-.08	9.8	10.8	11.0	19.1	18.7	27.4	26.6
12:00	-.19	18.8	15.1	15.8	20.1	22.8	29.0	28.2
13:00	-.27	16.7	13.1	14.7	22.1	21.3	30.3	29.4
14:00	-.63	31.4	33.7	34.1	18.7	13.8	26.7	26.1
15:00	2.23	10.8	17.6	21.3	20.3	15.1	22.9	23.7
16:00	-.06	7.3	9.8	8.9	21.3	12.1	23.2	22.6
17:00	-.22	6.6	7.6	7.3	20.9	18.3	24.9	24.1
18:00	.06	10.1	12.8	13.1	17.5	10.2	25.4	24.7
19:00	.23	7.1	6.9	8.0	19.0	14.8	24.6	24.1
20:00	.06	5.7	8.9	8.7	13.6	9.3	24.2	24.0
21:00	-.13	6.0	6.4	7.6	14.8	12.1	23.9	23.6
22:00	-.11	2.1	6.6	9.8	11.1	5.2	23.3	23.1
23:00	.04	1.6	4.4	5.7	8.2	8.5	22.7	23.0
Avg	.01	8.0	9.5	10.8	16.0	11.9	24.8	24.5
Max	2.23	31.4	33.7	34.1	22.1	22.8	30.3	29.4
Hr. of Max	15	14	14	14	13	12	13	13
Min	-.63	1.6	3.0	4.1	7.3	3.1	22.7	22.6
Count	24	24	24	24	24	24	24	24
Total								