Date Printed: 06/02/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2017

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	15.9	17.6	18.2	19.2	1.70	2.28	3.35	.59	1.65
01:00	15.3	16.7	17.4	18.6	1.36	2.12	3.23	.76	1.87
02:00	14.9	16.2	16.7	17.4	1.38	1.84	2.52	.45	1.13
03:00	14.5	16.0	16.3	17.4	1.45	1.78	2.91	.32	1.46
04:00	13.9	15.2	15.7	16.4	1.30	1.83	2.48	.53	1.18
05:00	13.4	14.8	15.2	15.9	1.37	1.80	2.49	.43	1.12
06:00	13.4	14.6	15.2	15.6	1.27	1.77	2.25	.51	.99
07:00	14.8	15.1	15.3	15.7	.22	.51	.91	.29	.69
08:00	18.0	17.7	17.5	17.5	-.30	-.45	-.43	-.15	-.13
09:00	20.3	19.9	19.7	19.7	-.35	-.53	-.60	-.18	-.25
10:00	22.6	22.0	21.8	21.7	-.59	-.83	-.93	-.24	-.34
11:00	24.9	24.1	23.8	23.6	-.78	-1.09	-1.22	-.31	-.44
12:00	26.5	25.5	25.2	25.1	-1.00	-1.28	-1.41	-.27	-.40
13:00	27.2	26.3	26.1	26.0	-.83	-1.11	-1.20	-.27	-.36
14:00	25.4	25.1	24.9	24.9	-.36	-.52	-.47	-.16	-.11
15:00	25.2	24.7	24.5	24.5	-.50	-.75	-.79	-.25	-.29
16:00	26.6	26.1	25.8	25.8	-.46	-.75	-.82	-.29	-.37
17:00	22.7	22.7	22.8	22.8	.00	.05	.10	.06	.10
18:00	18.7	18.7	18.7	18.8	.01	-.02	.06	-.02	.06
19:00	18.0	18.1	18.3	18.9	.08	.31	.87	.24	.80
20:00	17.7	17.7	17.9	18.2	-.04	.17	.53	.21	.57
21:00	17.0	17.1	17.3	18.0	.16	.29	.99	.14	.84
22:00	16.5	16.7	16.9	17.3	.27	.42	.82	.15	.55
23:00	16.0	16.5	16.8	17.1	.50	.88	1.18	.39	.68
Avg	19.1	19.4	19.5	19.8	.24	.36	.70	.12	.46
Max	27.2	26.3	26.1	26.0	1.70	2.28	3.35	.76	1.87
Hr. of Max	13	13	13	13	00	00	00	01	01
Min	13.4	14.6	15.2	15.6	-1.00	-1.28	-1.41	-.31	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2017

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	14.8	15.4	15.2	21.3	95.0	88.7	12.7	13.1	0.010829
01:00	14.5	15.4	14.8	21.1	96.6	93.7	12.4	13.1	0.010605
02:00	14.2	15.6	14.4	21.0	97.4	97.6	12.2	13.3	0.010382
03:00	13.9	15.4	14.1	20.8	97.8	98.5	12.0	13.2	0.010206
04:00	13.3	14.7	13.5	20.7	97.9	98.6	11.6	12.6	0.009813
05:00	12.9	14.3	13.0	20.5	97.9	98.7	11.2	12.3	0.009497
06:00	12.8	14.2	13.0	20.3	97.9	98.8	11.2	12.2	0.009472
07:00	14.2	14.6	14.4	20.2	97.7	98.6	12.2	12.5	0.010389
08:00	15.8	15.1	16.5	20.0	88.8	86.4	13.4	12.8	0.011515
09:00	15.6	14.7	17.1	19.9	76.0	73.6	13.1	12.5	0.011365
10:00	15.8	15.0	18.1	19.9	67.1	65.9	13.2	12.6	0.011575
11:00	16.1	15.2	19.0	20.0	59.9	59.0	13.5	12.7	0.011853
12:00	14.9	13.6	18.8	20.2	50.4	49.0	12.4	11.4	0.010978
13:00	13.4	12.1	18.0	20.4	43.7	42.3	11.2	10.4	0.009932
14:00	15.1	13.9	18.5	20.7	54.5	51.6	12.6	11.7	0.011125
15:00	14.4	13.5	18.0	20.9	52.6	51.2	12.1	11.4	0.010657
16:00	14.1	13.2	18.3	21.0	47.3	45.8	11.7	11.1	0.010415
17:00	16.1	15.5	18.3	21.1	68.9	66.9	13.5	13.0	0.011824
18:00	17.6	17.6	17.9	21.2	95.1	95.3	15.0	15.0	0.012953
19:00	17.2	17.0	17.5	21.1	97.1	95.8	14.6	14.5	0.012636
20:00	17.1	17.2	17.3	21.1	98.0	98.8	14.5	14.6	0.012534
21:00	16.3	16.7	16.6	21.0	98.0	99.0	13.9	14.2	0.011965
22:00	15.8	16.3	16.0	20.9	97.9	99.1	13.5	13.9	0.011569
23:00	15.4	16.2	15.6	20.8	97.9	100.2	13.1	13.8	0.011209
Avg	15.1	15.1	16.4	20.7	82.1	81.4	12.8	12.8	0.011054
Max	17.6	17.6	19.0	21.3	98.0	100.2	15.0	15.0	0.012953
Hr. of Max	18	18	11	00	21	23	18	18	18
Min	12.8	12.1	13.0	19.9	43.7	42.3	11.2	10.4	0.009472
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2017

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	0.011255	16.9	17.6	.00	29.18	988.1	-2.7	.00	54.8
01:00	0.011222	16.6	17.5	.00	29.18	988.1	-2.5	.00	243.0
02:00	0.011365	16.2	17.7	.00	29.18	988.1	-2.4	.00	71.5
03:00	0.011279	15.9	17.6	.00	29.16	987.5	-2.4	.00	66.3
04:00	0.010758	15.3	16.8	.00	29.17	987.7	-3.0	.00	241.5
05:00	0.010474	14.9	16.4	.00	29.18	988.2	-2.4	.00	82.0
06:00	0.010379	14.8	16.2	.00	29.19	988.5	15.1	.02	93.0
07:00	0.010629	16.2	16.6	.00	29.21	989.1	116.2	.17	112.3
08:00	0.010985	18.0	17.2	.00	29.22	989.4	312.1	.45	136.4
09:00	0.010767	17.8	16.8	.00	29.22	989.7	420.8	.60	189.1
10:00	0.010962	18.1	17.1	.00	29.22	989.5	624.7	.90	209.5
11:00	0.011141	18.5	17.4	.00	29.21	989.3	759.5	1.09	203.0
12:00	0.010051	17.2	15.7	.00	29.21	989.2	906.5	1.30	211.8
13:00	0.009157	15.5	14.3	.00	29.19	988.7	734.3	1.05	207.7
14:00	0.01031	17.4	16.1	.00	29.19	988.4	334.7	.48	225.2
15:00	0.01005	16.6	15.7	.00	29.16	987.6	487.9	.70	221.4
16:00	0.009818	16.3	15.3	.00	29.14	986.8	410.9	.59	185.3
17:00	0.011389	18.4	17.8	.37	29.15	987.3	77.1	.11	10.3
18:00	0.012982	20.1	20.2	.04	29.16	987.5	46.7	.07	58.9
19:00	0.01252	19.7	19.5	.14	29.15	987.2	33.7	.05	37.9
20:00	0.012608	19.5	19.6	.00	29.15	987.1	9.5	.01	312.9
21:00	0.012211	18.6	19.0	.00	29.14	987.0	-1.8	.00	239.0
22:00	0.011917	18.0	18.6	.00	29.15	987.2	-2.6	.00	248.4
23:00	0.011847	17.5	18.5	.00	29.16	987.4	-2.2	.00	30.2
Avg	0.011087	17.3	17.3	.02	29.18	988.1	219.5	.32	172.0
Max	0.012982	20.1	20.2	.37	29.22	989.7	906.5	1.30	312.9
Hr. of Max	18	18	18	17	10	09	12	12	20
Min	0.009157	14.8	14.3	.00	29.14	986.8	-3.0	.00	10.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2017

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	80.3	5.9	293.9	47.3	70.7	34.9	53.5	.2	.5
01:00	233.3	216.0	264.4	211.0	49.4	7.8	16.6	.7	1.6
02:00	31.3	137.6	352.4	85.3	36.1	14.5	31.3	.4	.6
03:00	70.1	54.5	24.0	44.5	28.4	9.5	17.7	.5	1.3
04:00	251.5	224.4	262.0	222.4	70.1	49.2	20.2	.7	.8
05:00	327.2	259.6	279.5	245.2	41.6	24.0	19.3	.2	.4
06:00	69.8	94.3	293.8	110.3	48.9	23.0	24.9	.1	.4
07:00	21.8	267.7	231.7	270.6	32.0	32.1	38.7	.2	.2
08:00	175.1	240.0	173.4	219.3	35.1	49.8	40.6	.6	.7
09:00	230.5	227.8	206.0	223.0	39.7	29.5	19.3	1.2	1.5
10:00	232.7	228.0	229.0	223.3	42.6	32.5	30.6	1.5	1.7
11:00	218.1	225.0	208.6	219.7	43.3	36.0	32.6	2.2	2.5
12:00	225.0	217.5	220.5	212.5	52.6	41.2	40.0	2.3	2.7
13:00	217.0	218.2	212.9	212.9	45.8	31.0	30.2	2.6	3.9
14:00	231.4	224.2	229.7	220.3	25.8	16.6	12.0	3.1	4.8
15:00	234.5	225.8	225.4	221.8	34.5	22.8	25.7	2.9	3.9
16:00	202.3	202.8	190.6	198.1	27.8	21.4	16.0	3.3	4.0
17:00	8.1	16.4	334.2	.9	48.0	37.3	37.7	2.1	3.5
18:00	58.6	55.0	49.7	45.7	30.1	26.4	21.3	1.9	3.4
19:00	30.4	71.0	325.6	60.5	71.8	70.2	43.5	.6	1.3
20:00	311.2	334.9	298.6	321.4	67.8	55.0	58.1	.7	1.0
21:00	226.3	262.4	253.0	261.0	55.5	53.6	37.6	1.1	2.0
22:00	230.2	219.9	261.6	216.1	51.4	11.0	7.0	.9	2.3
23:00	267.1	170.8	308.5	161.6	24.4	17.8	21.5	.3	.7
Avg	246.0	225.0	260.0	217.0	44.7	31.1	29.0	.0	.0
Max	327.2	334.9	352.4	321.4	71.8	70.2	58.1	3.3	4.8
Hr. of Max	05	20	02	20	19	19	20	16	14
Min	8.1	5.9	24.0	.9	24.4	7.8	7.0	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2017

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	.4	.4	.6	.8	.9	1.1	1.3	-.1	.02
01:00	1.9	.9	1.7	2.1	1.3	2.3	.7	.8	.00
02:00	.2	.5	1.0	.8	.8	1.0	1.1	.0	.01
03:00	1.5	.5	1.4	1.6	.9	1.8	2.3	.0	.03
04:00	1.0	.9	.8	1.2	1.3	1.4	.7	.1	.01
05:00	.6	.4	1.0	.8	.8	1.1	1.3	-.6	.02
06:00	.3	.2	.5	.4	.8	.8	2.8	-.3	.04
07:00	.8	.4	.3	.9	.9	1.2	2.4	.4	.03
08:00	.8	.8	1.0	1.1	1.4	1.4	.1	-2.4	.00
09:00	1.9	1.5	1.7	2.0	2.0	2.4	.7	-3.7	.00
10:00	2.0	1.9	1.9	2.2	2.5	2.7	-3.1	-9.1	-.13
11:00	2.5	2.8	2.9	3.1	3.4	3.7	-1.0	-4.3	-.04
12:00	3.1	3.0	3.3	3.8	3.6	4.3	-2.6	-.2	-.19
13:00	4.4	3.8	4.8	5.1	4.3	5.6	-2.1	-6.1	-.21
14:00	6.1	3.3	5.1	6.3	3.9	6.6	1.3	.8	-.08
15:00	4.7	3.4	4.2	4.9	3.8	5.3	.2	-1.4	-.07
16:00	5.0	3.7	4.3	5.2	4.1	5.6	.7	-1.6	-.06
17:00	4.1	3.5	5.4	6.9	4.0	7.3	.5	3.2	-.24
18:00	4.6	3.4	5.2	6.7	3.8	6.9	-.1	1.4	-.10
19:00	2.1	1.8	2.7	3.6	2.3	3.9	-.2	-.1	-.03
20:00	.5	1.6	2.4	1.9	2.0	2.2	-5.6	-.1	-.20
21:00	1.1	1.4	2.1	2.2	1.8	2.4	.0	.1	-.03
22:00	3.1	1.1	2.4	3.2	1.5	3.4	-1.4	-.1	-.06
23:00	.7	.3	1.2	1.0	.8	1.4	3.4	-.7	.06
Avg	.0	1.7	2.4	2.8	2.2	3.2	.1	-1.0	-.05
Max	6.1	3.8	5.4	6.9	4.3	7.3	3.4	3.2	.06
Hr. of Max	14	13	17	17	13	17	23	17	23
Min	.2	.2	.3	.4	.8	.8	-5.6	-9.1	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/1/2017

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	-.01	3.2	3.2	3.7	9.3	12.4	18.5	20.1
01:00	.04	2.7	3.0	3.7	7.1	3.7	17.6	19.5
02:00	.01	2.3	2.5	4.1	6.1	7.1	17.2	18.2
03:00	.01	2.3	3.4	4.6	7.9	4.4	17.0	18.4
04:00	.02	3.2	2.3	2.7	6.4	5.8	16.1	17.3
05:00	-.01	2.3	2.3	3.0	6.9	7.4	15.6	16.7
06:00	.00	1.8	3.4	2.1	8.5	7.1	15.5	16.4
07:00	-.01	2.5	1.8	3.7	14.8	6.1	16.0	16.5
08:00	-.07	4.6	4.4	5.3	27.1	21.0	18.7	18.4
09:00	-.20	5.0	5.0	5.0	24.1	20.4	20.8	20.2
10:00	-.41	6.4	5.5	4.8	26.9	28.8	22.8	22.2
11:00	-.22	7.1	9.8	8.0	26.0	27.0	24.8	24.1
12:00	-.03	9.2	9.4	10.3	25.3	25.1	26.0	25.3
13:00	-.53	12.1	11.0	11.7	21.7	18.9	26.8	26.0
14:00	.00	9.2	12.4	15.6	17.3	7.9	25.7	25.2
15:00	-.24	12.4	13.7	15.6	18.9	14.9	25.4	24.7
16:00	-.22	8.9	10.1	11.7	17.0	14.2	26.7	26.0
17:00	-.04	16.9	25.4	25.9	21.7	15.5	23.7	23.4
18:00	.05	17.6	23.4	25.2	19.5	10.4	20.1	19.7
19:00	.06	8.0	11.2	17.9	15.2	16.5	19.4	19.8
20:00	.00	14.0	15.1	15.8	13.3	12.0	19.0	19.1
21:00	.04	4.1	5.3	6.0	8.0	6.3	18.4	18.9
22:00	.00	3.0	5.7	4.6	9.6	2.7	18.0	18.2
23:00	-.01	2.1	4.1	6.0	7.6	4.8	17.6	18.1
Avg	-.07	6.7	8.1	9.0	15.3	12.5	20.3	20.5
Max	.06	17.6	25.4	25.9	27.1	28.8	26.8	26.0
Hr. of Max	19	18	17	17	08	10	13	16
Min	-.53	1.8	1.8	2.1	6.1	2.7	15.5	16.4
Count	24	24	24	24	24	24	24	24
Total								