Date Printed: 06/22/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2017

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	18.8	19.9	20.6	21.2	1.10	1.79	2.33	.70	1.23
01:00	18.3	19.1	19.9	20.8	.84	1.64	2.56	.80	1.72
02:00	18.0	18.6	19.2	20.1	.60	1.21	2.07	.61	1.47
03:00	17.9	18.8	19.4	20.1	.95	1.55	2.23	.59	1.27
04:00	17.7	18.8	19.3	19.9	1.16	1.67	2.23	.50	1.07
05:00	17.5	18.7	19.2	19.7	1.16	1.67	2.19	.51	1.03
06:00	18.3	18.9	19.6	20.1	.63	1.30	1.87	.67	1.24
07:00	20.0	20.1	20.1	20.2	.05	.09	.24	.04	.19
08:00	21.2	20.9	20.7	20.7	-.26	-.45	-.46	-.18	-.20
09:00	22.3	21.9	21.6	21.5	-.45	-.70	-.82	-.25	-.37
10:00	23.3	22.8	22.5	22.4	-.53	-.82	-.94	-.29	-.41
11:00	24.6	23.7	23.5	23.3	-.83	-1.12	-1.24	-.29	-.41
12:00	25.7	24.8	24.5	24.3	-.91	-1.26	-1.38	-.35	-.47
13:00	27.2	26.0	25.7	25.6	-1.19	-1.51	-1.62	-.33	-.43
14:00	28.3	27.1	26.8	26.7	-1.19	-1.54	-1.66	-.34	-.47
15:00	28.7	27.5	27.2	27.1	-1.16	-1.46	-1.59	-.30	-.43
16:00	28.3	27.5	27.2	27.1	-.83	-1.10	-1.18	-.26	-.35
17:00	25.6	25.4	25.4	25.6	-.21	-.20	.02	.01	.23
18:00	27.0	26.6	26.4	26.4	-.33	-.54	-.56	-.20	-.22
19:00	26.2	26.0	25.9	26.0	-.19	-.30	-.24	-.11	-.05
20:00	24.8	24.8	25.2	25.5	.02	.46	.74	.44	.72
21:00	23.5	24.1	24.6	24.8	.62	1.03	1.31	.41	.69
22:00	22.8	23.6	23.8	24.0	.78	.93	1.17	.14	.39
23:00	21.7	22.9	23.2	23.3	1.19	1.45	1.59	.27	.40
Avg	22.8	22.9	23.0	23.2	.04	.16	.37	.12	.33
Max	28.7	27.5	27.2	27.1	1.19	1.79	2.56	.80	1.72
Hr. of Max	15	16	16	16	23	00	01	01	01
Min	17.5	18.6	19.2	19.7	-1.19	-1.54	-1.66	-.35	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2017

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	16.9	17.8	17.5	24.2	90.2	89.8	14.3	15.2	0.012388
01:00	16.9	18.2	17.3	24.0	93.3	96.7	14.3	15.6	0.012382
02:00	17.0	18.0	17.3	23.8	95.7	98.6	14.4	15.4	0.012474
03:00	16.9	18.2	17.2	23.6	95.8	98.5	14.3	15.6	0.012378
04:00	16.7	18.2	17.1	23.5	96.3	98.5	14.2	15.6	0.012287
05:00	16.8	18.2	17.0	23.3	97.0	98.7	14.3	15.5	0.012291
06:00	17.4	18.3	17.7	23.1	96.8	98.9	14.8	15.7	0.012823
07:00	18.9	19.5	19.2	23.0	95.2	98.6	16.1	16.7	0.014059
08:00	19.1	19.6	19.8	22.9	90.3	94.7	16.4	16.9	0.014317
09:00	19.2	19.4	20.2	22.8	84.6	87.9	16.4	16.6	0.014383
10:00	18.9	18.9	20.4	22.8	78.2	80.6	16.1	16.1	0.014138
11:00	18.6	18.4	20.6	22.9	71.3	73.8	15.7	15.5	0.013894
12:00	18.8	18.6	21.1	23.0	67.2	69.9	15.8	15.6	0.014036
13:00	18.7	18.4	21.5	23.2	61.5	64.7	15.7	15.5	0.013976
14:00	17.5	17.5	21.1	23.5	53.5	57.1	14.6	14.5	0.013023
15:00	17.8	17.6	21.4	23.8	53.2	56.1	14.7	14.6	0.013209
16:00	18.4	18.2	21.7	24.0	56.3	58.5	15.3	15.2	0.013716
17:00	20.8	20.3	22.4	24.2	77.0	75.7	17.9	17.4	0.015926
18:00	20.7	20.3	22.8	24.3	70.7	70.4	17.7	17.4	0.015888
19:00	20.8	20.6	22.6	24.4	74.0	73.8	17.8	17.6	0.01594
20:00	20.8	20.6	22.1	24.4	80.5	79.8	17.9	17.7	0.015906
21:00	20.4	20.6	21.4	24.4	84.9	82.6	17.6	17.7	0.015544
22:00	20.2	20.3	21.1	24.4	87.1	83.5	17.3	17.4	0.015289
23:00	19.9	20.2	20.5	24.3	91.8	86.9	17.1	17.4	0.015043
Avg	18.7	19.0	20.0	23.7	80.9	82.3	15.9	16.2	0.013971
Max	20.8	20.6	22.8	24.4	97.0	98.9	17.9	17.7	0.01594
Hr. of Max	20	21	18	22	05	06	20	21	19
Min	16.7	17.5	17.0	22.8	53.2	56.1	14.2	14.5	0.012287
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2017

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	0.013202	19.3	20.5	.00	29.13	986.6	-2.5	.00	267.3
01:00	0.013518	19.3	21.0	.00	29.13	986.6	-2.5	.00	254.1
02:00	0.013346	19.4	20.7	.00	29.14	986.7	-2.2	.00	210.2
03:00	0.01351	19.3	21.0	.00	29.14	986.7	-2.0	.00	73.6
04:00	0.013527	19.1	21.0	.00	29.14	986.7	-2.2	.00	59.2
05:00	0.013457	19.1	20.9	.00	29.15	987.1	-2.4	.00	51.2
06:00	0.013614	19.9	21.1	.00	29.16	987.4	2.5	.00	116.4
07:00	0.014603	21.8	22.7	.00	29.17	987.8	36.1	.05	234.3
08:00	0.01477	22.2	22.9	.00	29.19	988.5	91.2	.13	233.1
09:00	0.01453	22.3	22.6	.00	29.20	988.9	223.1	.32	229.3
10:00	0.014122	22.0	21.9	.00	29.19	988.6	317.4	.45	215.8
11:00	0.013684	21.6	21.3	.00	29.18	988.3	547.5	.78	214.7
12:00	0.013828	21.8	21.5	.00	29.18	988.3	584.2	.84	213.6
13:00	0.013729	21.7	21.3	.00	29.18	988.1	778.6	1.12	230.8
14:00	0.012943	20.3	20.1	.00	29.16	987.7	831.9	1.19	230.0
15:00	0.013021	20.5	20.2	.00	29.16	987.4	566.3	.81	278.0
16:00	0.013559	21.3	21.1	.00	29.16	987.3	364.1	.52	278.0
17:00	0.015467	24.6	24.0	.00	29.15	987.2	251.1	.36	195.2
18:00	0.015517	24.6	24.0	.00	29.14	986.8	314.6	.45	194.6
19:00	0.015733	24.7	24.3	.00	29.14	986.8	136.1	.20	180.3
20:00	0.01577	24.6	24.4	.00	29.14	987.0	40.2	.06	51.0
21:00	0.0157	24.1	24.3	.00	29.15	987.2	-2.5	.00	213.5
22:00	0.015391	23.7	23.8	.00	29.16	987.6	-2.2	.00	216.9
23:00	0.015311	23.3	23.7	.00	29.17	987.8	-2.4	.00	352.4
Avg	0.014244	21.7	22.1	.00	29.16	987.5	211.0	.30	221.0
Max	0.01577	24.7	24.4	.00	29.20	988.9	831.9	1.19	352.4
Hr. of Max	20	19	20	23	09	09	14	14	23
Min	0.012943	19.1	20.1	.00	29.13	986.6	-2.5	.00	51.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2017

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	67.9	222.5	269.2	217.8	24.2	49.5	42.8	.6	.1
01:00	244.5	220.5	254.4	216.5	54.0	14.8	8.1	1.1	2.5
02:00	222.6	245.6	238.3	240.8	23.0	9.2	8.1	1.6	2.7
03:00	199.8	242.2	286.3	236.8	3.8	9.8	6.8	.1	1.3
04:00	89.6	213.1	288.3	208.2	26.5	30.3	9.5	.2	.0
05:00	37.6	213.6	318.2	212.7	33.7	36.9	18.7	.2	.4
06:00	241.8	216.0	251.3	211.8	33.7	33.2	5.4	.6	2.2
07:00	240.8	231.8	238.9	227.6	20.4	9.2	7.3	2.1	4.2
08:00	244.9	241.2	235.4	236.7	25.0	13.2	9.9	2.4	3.8
09:00	247.4	244.7	234.7	239.7	34.8	23.3	19.0	2.3	3.0
10:00	228.3	230.4	216.1	224.7	29.7	21.6	21.0	2.9	3.8
11:00	229.8	227.9	217.5	223.6	45.7	31.6	26.2	2.1	2.7
12:00	230.8	227.1	222.8	222.7	50.5	34.8	31.8	2.2	3.1
13:00	243.8	240.8	230.0	236.4	43.2	30.8	27.4	2.7	3.7
14:00	242.7	237.3	232.9	232.8	53.2	39.9	32.0	2.1	2.9
15:00	275.2	268.9	271.5	263.4	45.7	34.4	26.4	2.3	3.1
16:00	285.3	281.6	273.1	275.2	50.7	33.6	28.7	1.6	2.4
17:00	210.1	208.2	201.0	203.7	22.8	15.6	11.5	3.8	5.5
18:00	219.8	223.3	199.1	218.6	26.5	21.4	17.6	2.8	3.7
19:00	232.1	225.3	221.4	220.5	46.3	20.7	13.9	1.1	2.1
20:00	234.2	222.9	275.9	218.9	34.4	8.7	6.2	.1	1.0
21:00	197.5	185.1	217.9	180.4	24.5	11.4	8.8	2.0	4.1
22:00	207.4	194.7	233.9	190.0	36.0	14.8	8.6	1.2	3.7
23:00	233.2	204.0	289.1	198.9	42.6	15.3	12.9	.6	1.7
Avg	231.0	227.0	245.0	222.0	34.6	23.5	17.0	.0	.0
Max	285.3	281.6	318.2	275.2	54.0	49.5	42.8	3.8	5.5
Hr. of Max	16	16	05	16	01	00	00	17	17
Min	37.6	185.1	199.1	180.4	3.8	8.7	5.4	.1	.0
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)

6/21/2017

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	.2	.9	.7	.5	1.3	.8	1.1	.2	.03
01:00	3.6	1.4	2.6	3.6	1.7	3.9	.9	1.0	.02
02:00	3.7	1.6	2.8	3.8	2.1	4.0	-.2	.4	-.01
03:00	3.0	.1	1.4	3.0	.6	3.2	.1	.9	.00
04:00	2.0	.2	.0	2.0	.9	2.3	2.4	-.8	.03
05:00	1.4	.3	.5	1.4	.8	1.6	1.4	-1.1	.02
06:00	4.6	.8	2.2	4.6	1.3	4.9	1.1	.0	-.01
07:00	6.2	2.2	4.3	6.3	2.6	6.7	-1.4	-.9	-.12
08:00	4.7	2.5	4.0	4.8	2.9	5.1	-.2	-2.2	-.11
09:00	3.7	2.7	3.4	4.1	3.2	4.5	1.6	-1.8	-.06
10:00	4.3	3.5	4.2	4.7	4.0	5.2	2.4	1.7	.02
11:00	3.2	3.0	3.4	3.6	3.5	4.1	.4	-3.0	-.05
12:00	3.3	2.9	3.6	3.7	3.4	4.3	2.3	-2.6	.07
13:00	4.3	3.6	4.4	4.8	4.2	5.3	.1	-.6	-.07
14:00	3.5	2.7	3.5	4.0	3.5	4.7	-3.6	-2.4	-.24
15:00	3.6	3.1	3.7	4.2	3.4	4.6	1.2	-3.3	-.07
16:00	2.8	2.1	2.8	3.1	2.5	3.6	-3.8	-3.7	-.22
17:00	6.9	4.2	5.9	7.2	4.6	7.5	-1.4	-1.4	-.14
18:00	4.8	3.0	3.9	5.0	3.5	5.4	1.6	.3	-.01
19:00	3.8	1.2	2.3	3.9	1.9	4.3	3.9	-1.1	.06
20:00	2.6	.1	1.1	2.6	.8	2.9	3.6	-1.4	.04
21:00	5.9	2.3	4.2	6.0	2.7	6.1	1.3	.2	.03
22:00	6.1	1.4	3.8	6.2	1.9	6.5	1.6	1.2	.03
23:00	3.2	.7	1.8	3.3	1.1	3.6	.8	1.0	-.01
Avg	.0	1.9	2.9	4.0	2.4	4.4	.7	-.8	-.03
Max	6.9	4.2	5.9	7.2	4.6	7.5	3.9	1.7	.07
Hr. of Max	17	17	17	17	17	17	19	10	12
Min	.2	.1	.0	.5	.6	.8	-3.8	-3.7	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/21/2017

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	.00	2.7	4.8	2.1	6.3	5.7	21.1	22.2
01:00	.07	3.4	4.1	5.5	6.9	2.4	20.3	21.9
02:00	.02	3.9	7.6	8.5	7.3	4.0	19.8	21.1
03:00	.05	.9	2.1	7.6	7.5	3.2	20.0	21.2
04:00	-.03	1.4	.9	5.3	6.3	2.5	20.0	21.0
05:00	-.03	1.6	1.8	4.1	6.0	5.1	19.9	20.9
06:00	-.01	4.8	6.6	9.6	8.4	3.5	20.1	21.2
07:00	-.12	6.4	9.6	14.0	11.5	4.8	21.4	21.3
08:00	-.22	7.6	11.2	11.7	15.8	7.0	22.3	21.8
09:00	-.27	8.5	8.2	11.2	20.1	15.0	23.2	22.5
10:00	.01	8.0	9.8	11.7	19.9	18.7	24.1	23.4
11:00	-.22	9.2	8.9	9.8	21.2	23.1	24.9	24.2
12:00	-.24	8.2	8.0	9.8	25.3	25.3	26.0	25.2
13:00	-.13	9.8	10.5	10.5	22.5	20.0	27.2	26.3
14:00	-.40	8.5	10.5	10.5	26.1	26.9	28.1	27.3
15:00	-.35	7.3	13.1	9.8	24.2	19.2	28.6	27.7
16:00	-.33	7.6	10.1	11.0	25.2	23.4	28.7	27.9
17:00	-.19	11.4	14.7	16.0	14.8	6.4	26.9	26.7
18:00	-.10	6.9	8.5	9.2	18.0	14.2	28.0	27.4
19:00	-.15	4.8	9.4	14.4	19.6	9.8	27.6	27.1
20:00	-.07	3.7	5.0	5.7	10.7	2.7	26.4	26.7
21:00	-.02	5.5	8.7	10.3	10.4	5.9	25.7	26.1
22:00	.11	6.6	11.4	14.0	14.2	6.0	25.2	25.2
23:00	.01	2.7	4.1	6.4	11.5	8.7	24.3	24.5
Avg	-.11	5.9	7.9	9.5	15.0	11.0	24.2	24.2
Max	.11	11.4	14.7	16.0	26.1	26.9	28.7	27.9
Hr. of Max	22	17	17	17	14	14	16	16
Min	-.40	.9	.9	2.1	6.0	2.4	19.8	20.9
Count	24	24	24	24	24	24	24	24
Total								