Date Printed: 06/30/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2017

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	16.8	19.3	21.8	22.8	2.55	5.07	6.06	2.53	3.51
01:00	16.6	18.7	19.5	21.9	2.03	2.83	5.24	.80	3.21
02:00	16.3	18.2	18.5	20.3	1.82	2.20	3.98	.38	2.16
03:00	16.2	17.8	18.1	19.3	1.55	1.91	3.10	.36	1.55
04:00	16.2	17.6	17.7	18.4	1.42	1.52	2.22	.10	.80
05:00	16.4	17.4	17.7	18.9	.99	1.35	2.51	.36	1.52
06:00	16.1	17.3	17.5	19.1	1.21	1.42	2.94	.21	1.73
07:00	17.1	17.7	17.9	19.6	.58	.74	2.42	.16	1.84
08:00	20.7	20.5	20.4	21.4	-.26	-.29	.66	-.03	.91
09:00	23.5	23.0	22.7	22.6	-.53	-.79	-.89	-.26	-.36
10:00	25.5	24.6	24.4	24.2	-.83	-1.12	-1.25	-.29	-.42
11:00	27.1	26.3	26.0	25.9	-.79	-1.17	-1.28	-.38	-.50
12:00	27.3	26.7	26.4	26.2	-.64	-.95	-1.08	-.31	-.44
13:00	27.6	26.9	26.6	26.5	-.79	-1.08	-1.19	-.29	-.40
14:00	28.3	27.3	26.9	26.8	-1.05	-1.38	-1.48	-.33	-.43
15:00	29.2	28.0	27.6	27.5	-1.20	-1.64	-1.74	-.44	-.54
16:00	29.6	28.7	28.3	28.2	-.92	-1.29	-1.44	-.37	-.52
17:00	25.9	25.7	25.6	25.5	-.20	-.37	-.39	-.16	-.19
18:00	23.9	23.5	23.4	23.5	-.42	-.51	-.46	-.09	-.03
19:00	24.7	24.5	24.4	24.4	-.15	-.27	-.23	-.13	-.08
20:00	23.8	23.8	23.8	23.9	.00	-.02	.08	-.02	.08
21:00	22.6	22.7	22.8	23.0	.15	.25	.45	.09	.30
22:00	21.8	22.6	22.8	22.9	.82	1.07	1.19	.25	.37
23:00	21.1	22.0	22.2	22.5	.83	1.07	1.32	.24	.49
Avg	22.3	22.5	22.6	23.1	.26	.36	.86	.10	.61
Max	29.6	28.7	28.3	28.2	2.55	5.07	6.06	2.53	3.51
Hr. of Max	16	16	16	16	00	00	00	00	00
Min	16.1	17.3	17.5	18.4	-1.20	-1.64	-1.74	-.44	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2017

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	13.6	13.5	14.6	22.7	82.9	70.3	11.7	11.5	0.009973
01:00	14.0	14.3	14.9	22.5	85.8	77.1	12.0	12.1	0.010229
02:00	14.2	14.6	14.9	22.3	89.0	81.3	12.2	12.4	0.010412
03:00	14.5	15.0	15.1	22.2	91.2	85.2	12.4	12.7	0.010614
04:00	14.7	15.2	15.2	22.0	92.4	87.1	12.6	12.9	0.010719
05:00	15.0	15.4	15.5	21.8	93.5	89.9	12.8	13.1	0.010967
06:00	15.0	15.6	15.4	21.7	95.1	91.5	12.8	13.3	0.010958
07:00	15.7	15.6	16.2	21.6	92.9	89.1	13.3	13.2	0.011423
08:00	16.7	16.1	18.0	21.4	79.4	77.9	14.0	13.6	0.012203
09:00	17.1	16.5	19.2	21.4	68.7	68.5	14.3	13.8	0.012539
10:00	17.9	17.4	20.4	21.4	64.7	65.5	15.0	14.5	0.013271
11:00	17.5	16.9	20.7	21.6	56.9	57.4	14.5	14.0	0.012902
12:00	17.5	17.1	20.8	21.9	56.4	57.1	14.5	14.2	0.012923
13:00	18.1	17.7	21.3	22.3	57.8	58.9	15.1	14.8	0.013502
14:00	18.6	18.2	21.8	22.6	57.0	59.4	15.5	15.2	0.013883
15:00	19.1	18.7	22.5	22.9	56.1	58.5	16.0	15.6	0.014402
16:00	18.9	18.5	22.4	23.2	54.0	55.5	15.7	15.4	0.014167
17:00	19.5	19.4	21.6	23.5	71.4	71.8	16.6	16.5	0.014726
18:00	21.3	20.6	22.2	23.6	87.4	86.0	18.5	17.8	0.016417
19:00	21.0	20.8	22.2	23.7	82.4	82.2	18.2	18.0	0.01615
20:00	20.5	20.7	21.6	23.7	84.3	84.8	17.7	17.8	0.01567
21:00	20.6	20.6	21.2	23.7	90.7	90.1	17.8	17.8	0.015677
22:00	20.5	20.5	20.9	23.7	95.0	90.4	17.8	17.7	0.015626
23:00	20.3	20.7	20.6	23.6	97.3	94.9	17.6	18.0	0.015417
Avg	17.6	17.5	19.1	22.5	78.4	76.3	14.9	14.8	0.013115
Max	21.3	20.8	22.5	23.7	97.3	94.9	18.5	18.0	0.016417
Hr. of Max	18	19	15	22	23	23	18	23	18
Min	13.6	13.5	14.6	21.4	54.0	55.5	11.7	11.5	0.009973
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2017

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	0.009935	15.6	15.5	.00	29.20	988.8	-2.3	.00	89.4
01:00	0.010453	16.0	16.3	.00	29.20	989.0	-2.6	.00	85.4
02:00	0.01068	16.3	16.7	.00	29.21	989.4	-2.4	.00	71.6
03:00	0.010938	16.6	17.1	.00	29.21	989.4	-2.9	.00	75.6
04:00	0.011054	16.8	17.3	.00	29.21	989.3	-2.6	.00	70.8
05:00	0.011229	17.1	17.5	.00	29.22	989.6	-2.6	.00	77.0
06:00	0.011392	17.1	17.8	.00	29.23	990.0	4.3	.01	79.4
07:00	0.011367	17.9	17.8	.00	29.24	990.1	102.6	.15	84.5
08:00	0.011779	19.1	18.4	.00	29.24	990.3	296.2	.42	156.2
09:00	0.012113	19.6	18.9	.00	29.24	990.3	406.2	.58	209.9
10:00	0.012782	20.7	19.9	.00	29.24	990.1	664.5	.95	227.5
11:00	0.012422	20.1	19.4	.00	29.23	989.8	734.9	1.05	198.0
12:00	0.012599	20.1	19.6	.00	29.21	989.4	601.1	.86	192.8
13:00	0.013123	21.0	20.4	.00	29.20	988.8	669.9	.96	226.7
14:00	0.013587	21.6	21.1	.00	29.18	988.3	643.1	.92	243.4
15:00	0.014	22.4	21.7	.00	29.17	987.7	921.4	1.32	218.7
16:00	0.013808	22.0	21.4	.00	29.15	987.0	541.2	.78	223.5
17:00	0.014641	22.8	22.7	.03	29.16	987.4	140.5	.20	215.1
18:00	0.015737	25.4	24.4	.01	29.16	987.5	287.8	.41	257.1
19:00	0.015964	25.0	24.7	.00	29.16	987.4	119.4	.17	188.0
20:00	0.015781	24.3	24.4	.00	29.16	987.6	8.1	.01	219.1
21:00	0.015707	24.3	24.3	.00	29.16	987.5	-2.2	.00	209.2
22:00	0.015625	24.2	24.2	.00	29.16	987.6	-2.4	.00	223.3
23:00	0.015816	23.9	24.5	.00	29.16	987.7	-2.2	.00	192.5
Avg	0.013022	20.4	20.3	.00	29.20	988.8	255.0	.37	181.0
Max	0.015964	25.4	24.7	.03	29.24	990.3	921.4	1.32	257.1
Hr. of Max	19	18	19	17	10	09	15	15	18
Min	0.009935	15.6	15.5	.00	29.15	987.0	-2.9	.00	70.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2017

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	250.8	199.2	133.0	194.4	51.2	25.2	12.9	.0	1.7
01:00	31.8	236.5	89.8	232.1	11.4	26.8	19.5	.4	1.0
02:00	66.5	349.5	36.1	351.8	8.6	9.7	20.1	.4	1.5
03:00	59.5	63.1	49.2	55.7	27.1	17.1	10.5	.8	1.9
04:00	70.4	59.7	48.8	51.2	13.7	13.1	4.7	.6	1.9
05:00	70.2	35.3	68.4	24.4	12.9	14.2	11.4	1.2	2.0
06:00	77.9	27.3	44.4	15.2	13.2	9.5	17.4	.2	1.6
07:00	57.1	346.5	55.5	336.8	15.0	18.5	27.1	.2	1.0
08:00	232.6	273.4	196.6	268.2	31.1	48.8	13.7	.6	.9
09:00	230.9	232.6	219.3	227.5	36.2	23.5	19.1	2.0	2.7
10:00	240.3	239.4	232.9	235.0	34.0	26.9	25.0	3.0	3.6
11:00	206.3	204.8	200.1	200.5	30.5	25.2	21.0	5.2	7.0
12:00	205.8	202.6	193.9	197.8	31.4	23.8	20.2	5.3	7.1
13:00	236.0	235.1	228.0	230.8	29.8	23.1	19.4	4.8	6.7
14:00	247.5	242.9	243.8	238.6	30.9	22.8	18.4	4.4	6.0
15:00	230.4	231.8	223.8 +	227.4	34.2	26.2	22.7	4.1	5.6
16:00	231.2	228.8	224.9	224.4	30.2	26.1	22.5	4.9	6.3
17:00	219.8	214.9	216.6	210.8	25.1	20.3	16.0	4.9	7.5
18:00	253.4	228.5	257.5	223.4	46.7	24.4	22.0	1.9	2.9
19:00	211.4	203.8	204.0	199.0	35.3	21.8	16.7	1.8	3.3
20:00	224.7	216.6	223.4	212.4	25.2	15.0	12.4	3.1	5.3
21:00	240.8	230.9	238.1	226.3	17.5	13.7	10.2	1.2	2.9
22:00	239.6	224.7	247.1	220.4	47.6	14.1	11.9	1.2	2.8
23:00	233.3	228.6	241.5	224.4	33.2	12.2	8.5	.7	2.3
Avg	224.0	233.0	209.0	231.0	28.0	20.9	16.8	.0	.0
Max	253.4	349.5	257.5	351.8	51.2	48.8	27.1	5.3	7.5
Hr. of Max	18	02	18	02	00	08	07	12	17
Min	31.8	27.3	36.1	15.2	8.6	9.5	4.7	.0	.9
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)

6/29/2017

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	.2	1.9	3.9	.7	4.1	2.0	-2.9	.03
01:00	1.7	.4	1.2	2.2	.7	2.4	2.0	.5	.03
02:00	.3	.4	1.5	1.5	.8	1.7	1.4	.6	.02
03:00	2.4	.9	2.0	2.4	1.2	2.7	1.0	2.0	.01
04:00	3.9	.6	2.0	3.9	1.0	4.1	.6	1.3	.00
05:00	2.7	1.2	2.0	2.8	1.5	3.0	2.0	1.6	.07
06:00	1.4	.2	1.6	1.5	.6	1.7	.5	1.0	.01
07:00	1.1	.3	1.0	1.4	.7	1.6	5.2	2.5	.10
08:00	2.9	.8	1.1	3.1	1.5	3.2	-.2	.7	-.03
09:00	3.4	2.3	3.0	3.6	2.8	4.0	2.6	-.4	.02
10:00	4.1	3.4	4.1	4.5	3.9	5.1	.2	-1.8	-.12
11:00	8.4	5.9	7.6	8.9	6.5	9.5	2.4	1.0	.02
12:00	8.5	6.0	7.7	9.0	6.6	9.6	1.5	1.6	-.03
13:00	7.9	5.4	7.4	8.5	6.2	9.2	-1.9	-2.1	-.30
14:00	6.8	5.1	6.5	7.2	5.5	7.7	-.5	-3.0	-.22
15:00	6.2	4.7	6.1	6.6	5.4	7.3	1.7	-3.0	-.04
16:00	7.1	5.6	6.9	7.6	6.1	8.1	-2.6	-2.9	-.41
17:00	9.6	5.9	8.5	10.3	6.4	10.8	-.1	-2.1	-.15
18:00	3.6	2.2	3.2	3.8	2.6	4.1	-1.0	-1.3	-.13
19:00	4.6	2.1	3.6	4.8	2.6	5.1	3.0	-.3	.07
20:00	7.0	3.4	5.6	7.3	3.9	7.7	-.3	-1.1	-.11
21:00	4.8	1.2	3.1	5.0	1.9	5.3	-.7	-.1	-.05
22:00	4.0	1.4	3.1	4.4	1.9	4.6	-1.0	-2.4	-.09
23:00	4.4	.9	2.4	4.5	1.5	4.8	-.3	-.9	-.03
Avg	.0	2.5	3.9	4.9	3.0	5.3	.7	-.5	-.06
Max	9.6	6.0	8.5	10.3	6.6	10.8	5.2	2.5	.10
Hr. of Max	17	12	17	17	12	17	07	07	07
Min	.3	.2	1.0	1.4	.6	1.6	-2.6	-3.0	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/29/2017

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	-.22	1.8	5.5	10.8	16.4	9.1	20.0	23.5
01:00	.01	2.3	2.7	5.0	10.3	13.0	19.6	22.6
02:00	.02	2.7	3.0	5.7	6.8	5.1	19.1	21.1
03:00	.11	3.0	4.1	5.0	9.9	9.6	18.7	20.2
04:00	.09	2.1	3.7	8.0	9.8	5.2	18.6	19.3
05:00	.09	2.3	4.4	8.9	9.7	9.6	18.4	19.8
06:00	.04	1.4	2.7	4.1	8.1	6.3	18.4	20.0
07:00	.08	1.6	2.7	3.9	18.0	12.5	18.9	20.6
08:00	-.01	5.3	5.7	6.6	22.9	10.0	21.6	22.1
09:00	-.10	6.4	7.1	7.6	22.4	18.2	24.0	23.3
10:00	-.27	12.4	13.5	15.3	22.2	20.7	25.6	24.9
11:00	-.13	15.1	22.0	19.7	19.8	16.9	27.2	26.4
12:00	-.14	16.9	17.4	19.0	18.8	15.0	27.6	26.8
13:00	-.41	14.4	16.9	18.3	18.6	14.0	27.8	27.0
14:00	-.49	14.9	17.2	14.2	17.4	12.6	28.4	27.5
15:00	-.57	14.2	13.1	14.0	22.4	18.9	29.1	28.2
16:00	-.55	22.0	21.3	16.5	16.7	14.5	29.7	28.8
17:00	-.43	22.9	26.3	30.5	14.5	7.5	27.1	26.5
18:00	-.18	9.6	12.4	11.7	19.8	14.9	25.1	24.7
19:00	-.10	7.8	10.5	11.7	17.6	10.9	26.1	25.7
20:00	-.18	9.2	11.4	14.0	13.9	7.6	25.3	25.1
21:00	-.02	10.3	11.4	16.7	8.1	4.9	24.3	24.3
22:00	-.21	6.2	10.8	12.6	12.7	8.2	24.1	24.2
23:00	-.08	3.0	4.4	8.9	6.7	4.6	23.5	23.7
Avg	-.15	8.7	10.4	12.0	15.1	11.2	23.7	24.0
Max	.11	22.9	26.3	30.5	22.9	20.7	29.7	28.8
Hr. of Max	03	17	17	17	08	10	16	16
Min	-.57	1.4	2.7	3.9	6.7	4.6	18.4	19.3
Count	24	24	24	24	24	24	24	24
Total								