Date Printed: 04/25/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/24/2017

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	12.1	12.2	12.1	12.1	.03	-.03	-.05	-.05	-.08
01:00	12.2	12.2	12.1	12.1	.05	-.03	-.06	-.08	-.11
02:00	12.1	12.2	12.1	12.1	.11	.05	.03	-.06	-.07
03:00	12.1	12.2	12.1	12.1	.09	.01	.00	-.08	-.09
04:00	12.2	12.3	12.2	12.2	.07	-.01	-.01	-.07	-.08
05:00	12.3	12.4	12.3	12.2	.10	.00	-.02	-.10	-.12
06:00	12.1	12.3	12.3	12.3	.24	.20	.19	-.05	-.05
07:00	11.9	12.1	12.0	12.0	.20	.14	.12	-.06	-.08
08:00	12.7	12.6	12.5	12.4	-.10	-.27	-.34	-.17	-.25
09:00	14.1	13.7	13.4	13.2	-.40	-.71	-.90	-.31	-.50
10:00	14.8	14.5	14.1	14.0	-.35	-.67	-.85	-.33	-.50
11:00	15.9	15.5	15.1	14.9	-.45	-.78	-.97	-.32	-.51
12:00	17.6	17.0	16.6	16.4	-.61	-1.02	-1.26	-.41	-.66
13:00	18.6	17.9	17.6	17.4	-.69	-1.00	-1.17	-.31	-.49
14:00	19.7	19.1	18.7	18.5	-.61	-1.00	-1.24	-.38	-.63
15:00	20.0	19.5	19.2	19.0	-.46	-.79	-.95	-.33	-.49
16:00	20.7	20.4	20.1	19.9	-.37	-.68	-.86	-.31	-.49
17:00	20.9	20.7	20.5	20.4	-.14	-.38	-.50	-.24	-.36
18:00	20.9	20.8	20.6	20.5	-.04	-.28	-.38	-.23	-.33
19:00	19.5	19.9	19.8	19.7	.37	.25	.19	-.12	-.18
20:00	18.4	18.8	18.7	18.6	.34	.23	.17	-.11	-.17
21:00	17.3	17.9	17.9	17.9	.61	.58	.61	-.03	-.01
22:00	15.3	16.5	16.8	16.9	1.18	1.50	1.66	.32	.48
23:00	13.6	14.8	15.7	15.9	1.21	2.08	2.33	.87	1.12
Avg	15.7	15.7	15.6	15.5	.02	-.11	-.18	-.12	-.19
Max	20.9	20.8	20.6	20.5	1.21	2.08	2.33	.87	1.12
Hr. of Max	18	18	18	18	23	23	23	23	23
Min	11.9	12.1	12.0	12.0	-.69	-1.02	-1.26	-.41	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/24/2017

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	11.4	11.4	11.7	15.9	96.7	96.6	10.3	10.3	0.008704
01:00	11.1	11.0	11.4	15.9	94.3	93.3	10.0	10.0	0.008505
02:00	10.9	10.7	11.3	15.9	93.9	91.8	10.0	9.8	0.008438
03:00	10.7	10.4	11.2	15.9	92.3	90.1	9.8	9.6	0.00831
04:00	10.4	10.2	11.0	15.8	90.0	88.5	9.6	9.5	0.008149
05:00	10.1	9.9	10.8	15.8	88.1	86.1	9.4	9.3	0.007997
06:00	10.0	9.9	10.7	15.8	88.4	86.1	9.4	9.3	0.007932
07:00	10.4	10.1	10.9	15.7	91.6	88.8	9.6	9.4	0.008111
08:00	10.3	10.0	11.1	15.7	86.3	85.0	9.5	9.3	0.008076
09:00	10.1	9.5	11.5	15.7	78.0	76.8	9.4	9.0	0.008008
10:00	10.2	9.7	11.8	15.7	75.2	74.2	9.4	9.1	0.008057
11:00	10.6	9.9	12.4	15.8	71.7	70.4	9.6	9.2	0.008254
12:00	10.7	9.8	13.0	15.9	65.1	63.6	9.7	9.1	0.008352
13:00	11.0	10.0	13.5	16.1	62.2	60.9	9.8	9.2	0.008496
14:00	11.4	10.5	14.1	16.3	59.7	58.6	10.0	9.5	0.008741
15:00	11.7	10.9	14.4	16.6	59.9	58.7	10.2	9.8	0.008932
16:00	11.9	11.1	14.8	16.9	58.0	56.2	10.4	9.8	0.009076
17:00	11.7	10.9	14.8	17.1	56.9	54.4	10.2	9.7	0.008967
18:00	11.9	11.2	14.9	17.2	57.6	55.2	10.3	9.9	0.009071
19:00	12.2	11.6	14.7	17.3	63.7	59.7	10.6	10.1	0.009251
20:00	12.2	11.8	14.3	17.4	68.1	65.2	10.6	10.3	0.009213
21:00	12.8	12.4	14.3	17.4	76.5	71.7	11.1	10.8	0.009611
22:00	12.9	12.6	13.7	17.4	87.2	79.2	11.2	10.9	0.009657
23:00	12.6	12.8	12.9	17.4	95.3	89.5	11.1	11.2	0.009462
Avg	11.2	10.8	12.7	16.4	77.4	75.0	10.1	9.8	0.00864
Max	12.9	12.8	14.9	17.4	96.7	96.6	11.2	11.2	0.009657
Hr. of Max	22	23	18	23	00	00	22	23	22
Min	10.0	9.5	10.7	15.7	56.9	54.4	9.4	9.0	0.007932
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/24/2017

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	0.008714	13.5	13.5	.01	28.91	979.1	-.7	.00	58.9
01:00	0.008445	13.2	13.1	.00	28.91	979.1	-1.9	.00	63.6
02:00	0.008306	13.1	12.9	.00	28.90	978.7	-2.2	.00	59.1
03:00	0.008165	12.9	12.7	.00	28.89	978.2	-2.5	.00	63.7
04:00	0.008049	12.6	12.5	.00	28.88	978.1	-2.4	.00	59.8
05:00	0.007871	12.4	12.2	.00	28.89	978.2	-1.8	.00	59.8
06:00	0.007853	12.3	12.2	.00	28.89	978.2	-1.0	.00	56.2
07:00	0.007966	12.6	12.4	.00	28.89	978.5	32.8	.05	66.6
08:00	0.007906	12.5	12.3	.00	28.90	978.8	139.3	.20	54.6
09:00	0.007678	12.4	11.9	.00	28.90	978.7	388.3	.56	67.9
10:00	0.00778	12.5	12.1	.00	28.90	978.8	352.1	.50	68.7
11:00	0.007872	12.8	12.2	.00	28.90	978.6	413.9	.59	74.6
12:00	0.007853	13.0	12.2	.00	28.89	978.5	764.3	1.10	75.1
13:00	0.007973	13.2	12.4	.00	28.88	978.1	644.9	.92	94.7
14:00	0.008259	13.5	12.8	.00	28.86	977.4	688.2	.99	70.9
15:00	0.008501	13.8	13.2	.00	28.84	976.7	527.6	.76	83.0
16:00	0.008594	14.0	13.3	.00	28.83	976.2	448.6	.64	78.8
17:00	0.0085	13.9	13.2	.00	28.82	976.1	261.1	.37	78.2
18:00	0.008667	14.0	13.4	.00	28.82	976.0	236.2	.34	87.6
19:00	0.008869	14.3	13.7	.00	28.82	976.1	31.5	.05	83.4
20:00	0.009009	14.3	13.9	.00	28.84	976.5	.1	.00	81.5
21:00	0.009371	14.9	14.5	.00	28.85	976.9	-1.1	.00	60.8
22:00	0.009458	14.9	14.6	.00	28.84	976.8	-1.7	.00	43.2
23:00	0.009606	14.6	14.9	.00	28.84	976.7	-1.6	.00	330.8
Avg	0.008386	13.4	13.0	.00	28.87	977.7	204.7	.29	66.0
Max	0.009606	14.9	14.9	.01	28.91	979.1	764.3	1.10	330.8
Hr. of Max	23	22	23	00	01	01	12	12	23
Min	0.007678	12.3	11.9	.00	28.82	976.0	-2.5	.00	43.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/24/2017

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	49.6	50.0	51.5	39.5	27.7	15.5	10.3	3.1	6.6
01:00	51.4	50.4	54.8	40.1	24.5	15.0	10.2	2.9	6.0
02:00	46.1	44.5	50.0	33.7	28.5	15.1	9.9	2.0	5.0
03:00	54.5	51.9	55.3	41.8	25.1	15.7	9.9	2.7	5.5
04:00	50.5	48.3	54.8	37.7	25.6	14.9	9.9	3.4	7.0
05:00	52.7	53.5	55.0	43.4	29.3	15.4	10.7	3.9	7.7
06:00	53.8	53.8	47.0	43.6	26.6	17.7	12.6	3.0	5.8
07:00	65.6	63.5	61.0	53.6	23.7	15.9	12.9	3.9	6.3
08:00	46.5	47.6	49.0	37.0	27.8	15.7	10.5	4.0	7.7
09:00	59.6	58.0	62.4	48.5	26.9	22.0	14.0	4.7	7.7
10:00	59.7	58.4	62.9	48.9	28.8	21.8	15.3	4.4	7.0
11:00	68.2	63.8	69.6	55.0	24.2	20.8	16.6	5.0	6.9
12:00	69.7	65.5	69.6	56.1	28.5	22.6	18.6	5.3	6.8
13:00	89.6	86.2	90.8	77.3	19.6	21.2	18.7	5.8	6.4
14:00	70.1	67.6	64.5	58.1	29.2	24.2	21.3	5.3	6.9
15:00	81.9	77.4	77.7	67.9	26.8	21.0	16.6	5.1	6.7
16:00	66.1	62.6	71.1	53.2	35.1	30.7	24.9	4.1	5.2
17:00	70.9	67.3	72.6	58.4	25.3	25.9	23.3	4.2	5.6
18:00	86.2	81.7	82.1	72.1	17.9	14.3	11.4	5.6	7.6
19:00	84.1	81.3	77.9	72.1	19.7	15.1	10.9	5.0	7.6
20:00	84.8	85.1	75.6	76.0	19.0	12.3	9.8	3.8	6.4
21:00	71.2	77.3	49.6	68.2	20.1	21.0	15.0	1.8	3.3
22:00	48.9	61.2	18.2	52.0	28.8	19.1	11.0	1.3	3.3
23:00	37.5	55.9	288.0	46.7	64.0	26.2	10.9	.3	1.5
Avg	63.0	63.0	60.0	53.0	27.2	19.1	14.0	.0	.0
Max	89.6	86.2	288.0	77.3	64.0	30.7	24.9	5.8	7.7
Hr. of Max	13	13	23	13	23	16	16	13	09
Min	37.5	44.5	18.2	33.7	17.9	12.3	9.8	.3	1.5
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)

4/24/2017

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	9.0	3.4	6.8	9.2	3.8	9.5	.3	.9	-.19
01:00	8.4	3.2	6.2	8.6	3.7	8.9	-2.7	1.3	-.35
02:00	6.8	2.3	5.1	6.9	2.7	7.3	-1.4	.5	-.21
03:00	7.9	3.0	5.7	8.1	3.3	8.5	-.9	.7	-.17
04:00	9.6	3.7	7.3	9.8	4.3	10.2	-1.0	.4	-.31
05:00	10.4	4.3	8.0	10.6	4.6	11.1	-2.2	1.0	-.40
06:00	8.2	3.3	6.2	8.5	3.5	8.9	-.8	.5	-.20
07:00	8.4	4.4	7.0	9.0	4.9	9.4	-.9	2.1	-.13
08:00	9.9	4.4	8.0	10.0	4.8	10.4	-2.0	.0	-.42
09:00	10.1	5.2	8.1	10.3	5.9	10.9	-.9	2.9	-.35
10:00	9.2	4.8	7.4	9.4	5.6	10.0	-2.8	3.4	-.50
11:00	8.7	5.4	7.3	9.0	6.0	9.6	.4	4.0	-.11
12:00	8.2	5.9	7.4	8.6	6.4	9.0	-2.0	2.4	-.39
13:00	7.1	6.1	6.7	7.5	6.7	8.1	2.0	4.3	.13
14:00	7.8	6.1	7.6	8.3	6.6	8.9	-1.3	.3	-.29
15:00	7.8	5.5	7.1	8.1	6.1	8.6	-.2	-.4	-.20
16:00	6.3	4.6	5.9	7.0	5.2	7.5	-1.8	6.0	-.18
17:00	6.6	4.5	6.1	7.2	5.1	7.7	1.3	5.9	-.04
18:00	8.9	5.9	7.8	9.1	6.5	9.5	1.1	.9	-.04
19:00	9.6	5.2	7.8	9.8	5.9	10.2	2.0	1.8	.09
20:00	7.7	4.0	6.5	7.9	4.6	8.1	-.3	-.9	-.13
21:00	4.4	2.0	3.5	4.6	2.4	4.9	-2.4	5.8	-.19
22:00	4.5	1.5	3.6	4.6	1.9	4.8	-2.7	-.2	-.16
23:00	3.2	1.3	1.8	3.3	1.6	3.5	2.2	1.6	.05
Avg	.0	4.2	6.5	8.1	4.7	8.6	-.7	1.9	-.20
Max	10.4	6.1	8.1	10.6	6.7	11.1	2.2	6.0	.13
Hr. of Max	05	14	09	05	13	05	23	16	13
Min	3.2	1.3	1.8	3.3	1.6	3.5	-2.8	-.9	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/24/2017

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	.04	14.0	18.8	16.3	22.0	8.8	12.8	12.5
01:00	.11	11.7	14.4	14.9	20.2	8.7	12.9	12.5
02:00	-.02	8.9	11.2	12.8	21.1	8.7	12.9	12.5
03:00	.02	8.5	11.2	16.9	20.6	7.8	12.9	12.5
04:00	-.02	13.1	19.0	19.5	20.9	8.2	12.9	12.5
05:00	.09	14.2	16.9	19.5	21.3	8.7	13.0	12.5
06:00	-.02	12.8	22.2	25.2	21.2	9.0	12.9	12.6
07:00	.29	13.1	15.8	16.5	15.7	8.5	12.7	12.3
08:00	-.11	15.3	16.0	17.6	21.0	8.6	13.3	12.7
09:00	.16	15.3	19.9	18.8	20.1	13.2	14.3	13.5
10:00	.33	14.9	22.0	18.5	20.0	13.0	15.1	14.2
11:00	.45	11.9	24.0	29.8	18.1	13.6	16.1	15.2
12:00	.17	14.2	15.1	17.9	18.5	14.2	17.6	16.6
13:00	.50	14.2	18.3	17.2	15.1	16.2	18.5	17.7
14:00	-.06	14.2	21.3	18.3	18.2	16.0	19.7	18.7
15:00	-.17	12.6	13.7	15.1	18.8	14.6	20.1	19.3
16:00	.53	11.9	15.8	17.6	19.5	16.4	21.0	20.2
17:00	.49	12.4	14.2	18.5	21.0	15.8	21.3	20.7
18:00	.09	14.9	15.6	19.5	14.6	10.1	21.5	20.8
19:00	.20	15.1	16.9	17.4	15.2	8.5	20.6	20.1
20:00	-.19	9.2	12.4	22.4	15.1	8.2	19.5	19.0
21:00	.43	6.6	8.9	16.3	16.7	11.5	18.7	18.4
22:00	-.03	4.6	7.8	8.9	11.5	5.8	17.2	17.5
23:00	.09	3.4	4.8	9.6	8.2	6.5	15.5	16.4
Avg	.14	12.0	15.7	17.7	18.1	10.9	16.4	15.9
Max	.53	15.3	24.0	29.8	22.0	16.4	21.5	20.8
Hr. of Max	16	09	11	11	00	16	18	18
Min	-.19	3.4	4.8	8.9	8.2	5.8	12.7	12.3
Count	24	24	24	24	24	24	24	24
Total								