Date Printed: 04/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/23/2017

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	13.3	13.5	13.6	13.6	.15	.26	.31	.12	.16
01:00	13.7	13.7	13.7	13.6	-.01	-.07	-.14	-.06	-.13
02:00	13.6	13.6	13.5	13.4	-.04	-.16	-.25	-.12	-.22
03:00	13.4	13.3	13.2	13.1	-.09	-.22	-.32	-.13	-.23
04:00	13.1	13.0	12.9	12.8	-.08	-.20	-.29	-.12	-.21
05:00	12.7	12.6	12.5	12.4	-.07	-.19	-.26	-.11	-.19
06:00	12.4	12.3	12.2	12.1	-.07	-.17	-.23	-.10	-.16
07:00	12.4	12.3	12.2	12.1	-.06	-.16	-.22	-.10	-.16
08:00	12.6	12.5	12.4	12.4	-.07	-.15	-.20	-.08	-.13
09:00	12.8	12.7	12.6	12.5	-.07	-.17	-.24	-.10	-.17
10:00	13.0	13.0	12.9	12.8	-.05	-.15	-.22	-.10	-.17
11:00	13.1	13.0	12.9	12.8	-.09	-.20	-.26	-.11	-.17
12:00	13.6	13.7	13.6	13.6	.08	.04	.07	-.03	-.01
13:00	13.7	13.7	13.7	13.7	.03	.01	.04	-.02	.01
14:00	13.8	13.8	13.8	13.7	-.04	-.09	-.12	-.05	-.08
15:00	14.1	14.0	13.9	13.8	-.12	-.22	-.28	-.10	-.16
16:00	13.9	13.8	13.7	13.7	-.08	-.18	-.22	-.10	-.14
17:00	13.4	13.4	13.3	13.3	-.06	-.13	-.16	-.07	-.11
18:00	13.4	13.3	13.2	13.2	-.05	-.15	-.20	-.10	-.15
19:00	13.0	13.0	12.9	12.9	-.04	-.13	-.17	-.09	-.13
20:00	12.8	12.8	12.7	12.6	.00	-.10	-.13	-.10	-.13
21:00	12.6	12.6	12.5	12.4	.01	-.09	-.14	-.10	-.15
22:00	12.4	12.4	12.3	12.3	.00	-.11	-.15	-.10	-.15
23:00	12.2	12.2	12.1	12.1	.00	-.08	-.11	-.08	-.11
Avg	13.1	13.1	13.0	13.0	-.03	-.12	-.16	-.08	-.13
Max	14.1	14.0	13.9	13.8	.15	.26	.31	.12	.16
Hr. of Max	15	15	15	15	00	00	00	00	00
Min	12.2	12.2	12.1	12.1	-.12	-.22	-.32	-.13	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/23/2017

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	12.7	13.1	12.9	19.0	97.8	99.0	11.2	11.4	0.0095
01:00	13.2	13.3	13.3	18.9	97.9	99.1	11.4	11.6	0.009764
02:00	13.0	13.2	13.2	18.8	97.9	98.9	11.4	11.5	0.009703
03:00	12.8	12.9	13.0	18.7	97.9	98.8	11.2	11.3	0.009565
04:00	12.5	12.6	12.7	18.6	97.9	98.9	11.0	11.1	0.00938
05:00	12.1	12.2	12.3	18.5	97.9	98.7	10.7	10.8	0.009124
06:00	11.8	11.9	12.0	18.4	97.9	98.8	10.5	10.6	0.008945
07:00	11.8	11.9	12.0	18.1	97.8	98.8	10.5	10.6	0.008942
08:00	12.0	12.1	12.2	17.9	97.9	98.7	10.7	10.7	0.009076
09:00	12.2	12.3	12.4	17.7	97.8	98.9	10.8	10.8	0.009175
10:00	12.5	12.6	12.7	17.3	97.8	98.9	11.0	11.1	0.009356
11:00	12.5	12.6	12.7	16.9	97.9	98.9	11.0	11.1	0.009389
12:00	13.0	13.1	13.2	16.5	97.6	98.0	11.3	11.4	0.009671
13:00	13.1	13.3	13.3	16.1	97.9	98.7	11.4	11.5	0.009761
14:00	13.3	13.4	13.5	15.8	97.9	98.8	11.5	11.6	0.00987
15:00	13.5	13.5	13.7	15.7	97.9	98.8	11.7	11.7	0.010036
16:00	13.3	13.3	13.5	15.7	97.9	98.6	11.6	11.6	0.009889
17:00	12.9	12.9	13.1	15.8	97.8	98.6	11.3	11.3	0.009615
18:00	12.8	12.8	13.0	15.8	97.7	98.4	11.2	11.2	0.00954
19:00	12.4	12.5	12.6	15.9	97.5	98.1	10.9	11.0	0.00932
20:00	12.0	12.1	12.3	15.9	96.5	97.0	10.7	10.7	0.009076
21:00	11.7	11.7	12.0	15.9	95.5	95.9	10.4	10.5	0.008852
22:00	11.6	11.7	11.9	15.9	95.9	96.6	10.4	10.4	0.008798
23:00	11.6	11.7	11.8	15.9	97.3	98.0	10.4	10.4	0.008792
Avg	12.5	12.6	12.7	17.1	97.6	98.4	11.0	11.1	0.009381
Max	13.5	13.5	13.7	19.0	97.9	99.1	11.7	11.7	0.010036
Hr. of Max	15	15	15	00	16	01	15	15	15
Min	11.6	11.7	11.8	15.7	95.5	95.9	10.4	10.4	0.008792
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/23/2017

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	0.009716	14.8	15.1	.00	28.96	980.6	-2.4	.00	69.3
01:00	0.009879	15.2	15.3	.00	28.96	980.6	-2.2	.00	61.8
02:00	0.009783	15.1	15.2	.00	28.94	980.0	-2.0	.00	69.4
03:00	0.0096	14.8	14.9	.01	28.92	979.4	-2.2	.00	61.5
04:00	0.009428	14.5	14.6	.03	28.91	979.1	-1.8	.00	58.6
05:00	0.009163	14.1	14.2	.03	28.90	978.6	-2.9	.00	63.7
06:00	0.008987	13.9	13.9	.11	28.90	978.7	-2.5	.00	56.6
07:00	0.008994	13.9	14.0	.07	28.91	979.1	4.0	.01	74.9
08:00	0.009117	14.1	14.1	.09	28.91	979.1	19.1	.03	54.3
09:00	0.009231	14.2	14.3	.17	28.90	978.7	28.3	.04	64.9
10:00	0.009425	14.5	14.6	.32	28.90	978.5	24.5	.04	69.0
11:00	0.009435	14.6	14.6	.24	28.89	978.4	55.7	.08	62.1
12:00	0.009757	15.0	15.1	.26	28.88	978.2	53.6	.08	251.8
13:00	0.009859	15.1	15.3	.34	28.88	978.0	68.9	.10	356.9
14:00	0.009934	15.3	15.4	.50	28.87	977.7	75.8	.11	46.6
15:00	0.010048	15.5	15.5	.21	28.87	977.7	127.8	.18	51.5
16:00	0.009907	15.3	15.3	.07	28.87	977.8	80.2	.11	58.4
17:00	0.009651	14.9	14.9	.03	28.87	977.6	67.2	.10	58.7
18:00	0.009579	14.8	14.8	.02	28.87	977.8	76.9	.11	62.9
19:00	0.009358	14.4	14.5	.00	28.88	978.0	31.9	.05	57.6
20:00	0.009122	14.1	14.1	.00	28.89	978.3	.9	.00	58.4
21:00	0.008898	13.7	13.8	.00	28.90	978.8	-2.0	.00	58.4
22:00	0.00886	13.7	13.8	.00	28.91	979.2	-1.5	.00	57.3
23:00	0.00885	13.6	13.7	.00	28.91	979.0	-1.2	.00	58.9
Avg	0.009441	14.5	14.6	.10	28.90	978.7	28.9	.04	57.0
Max	0.010048	15.5	15.5	.50	28.96	980.6	127.8	.18	356.9
Hr. of Max	15	15	15	14	01	01	15	15	13
Min	0.00885	13.6	13.7	.00	28.87	977.6	-2.9	.00	46.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/23/2017

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	146.8	97.6	291.8	86.0	56.5	43.3	23.8	.3	.6
01:00	53.4	51.2	51.7	41.2	24.9	14.6	11.5	2.0	3.8
02:00	67.4	63.0	63.3	53.5	26.7	20.5	14.9	2.7	4.4
03:00	58.6	59.9	54.8	50.7	25.3	16.2	10.1	3.4	6.1
04:00	54.6	54.0	52.6	44.3	25.0	17.3	10.5	4.1	7.8
05:00	61.7	59.9	57.4	50.5	23.9	16.2	11.0	4.5	7.9
06:00	53.6	53.0	47.9	42.9	29.6	18.6	11.8	3.3	6.6
07:00	70.2	65.1	67.2	55.7	26.4	23.3	17.5	3.8	6.3
08:00	54.3	53.3	47.8	43.4	22.9	14.5	9.6	3.7	6.6
09:00	63.0	61.5	59.4	51.9	24.0	16.8	10.2	4.0	7.1
10:00	66.3	63.6	63.1	53.5	25.3	17.6	12.2	4.3	7.5
11:00	55.9	54.0	56.1	43.3	28.2	19.5	12.1	3.7	7.1
12:00	323.5	341.2	280.3	328.6	69.2	68.2	66.7	.3	.5
13:00	350.7	351.0	341.3	338.9	53.1	43.8	40.2	1.8	4.5
14:00	39.4	35.7	37.7	24.8	34.2	19.1	13.0	3.7	7.3
15:00	42.2	41.5	45.1	30.1	29.6	16.9	12.0	4.2	8.5
16:00	50.6	49.1	51.9	38.4	27.3	17.1	10.7	5.4	10.0
17:00	53.0	53.6	53.7	43.1	26.8	15.9	10.1	5.9	11.6
18:00	59.2	57.7	58.2	47.7	25.4	16.6	10.8	6.1	10.8
19:00	52.7	54.4	52.9	44.0	26.9	16.6	10.9	5.2	10.1
20:00	53.7	55.2	53.9	45.2	27.6	16.7	10.1	4.5	8.6
21:00	54.4	55.0	52.7	45.3	23.9	14.9	9.5	4.5	8.5
22:00	52.2	52.2	50.2	41.9	28.4	16.5	12.0	3.5	7.3
23:00	54.3	54.2	52.4 +	44.1	26.4	15.6	10.1	3.7	7.4
Avg	53.0	51.0	46.0	41.0	30.7	21.5	15.5	.0	.0
Max	350.7	351.0	341.3	338.9	69.2	68.2	66.7	6.1	11.6
Hr. of Max	13	13	13	13	12	12	12	18	17
Min	39.4	35.7	37.7	24.8	22.9	14.5	9.5	.3	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/23/2017

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	1.1	.8	1.0	1.3	1.3	1.6	-1.2	.4	-.06
01:00	4.6	2.2	3.9	4.7	2.4	5.0	-5.1	-.7	-.31
02:00	5.8	3.1	4.8	6.0	3.4	6.3	-.9	1.3	-.10
03:00	8.1	3.7	6.3	8.2	3.9	8.5	-2.2	-.3	-.31
04:00	10.4	4.5	8.1	10.5	4.9	10.9	.0	.5	-.29
05:00	10.3	4.9	8.3	10.5	5.3	10.9	-2.4	-.4	-.43
06:00	8.7	3.7	7.0	8.9	3.9	9.2	.9	.9	-.13
07:00	8.5	4.1	6.7	8.7	4.6	9.1	1.1	3.4	-.08
08:00	8.7	3.9	6.8	8.8	4.2	9.1	-2.4	-.5	-.36
09:00	10.0	4.4	7.4	10.2	5.0	10.6	-.7	.3	-.26
10:00	10.0	4.8	7.9	10.3	5.3	10.6	-1.3	1.1	-.29
11:00	10.3	4.1	7.5	10.5	4.5	10.9	.2	1.0	-.24
12:00	.8	6.2	8.6	10.0	6.8	10.5	-.6	-.2	-.30
13:00	6.5	4.7	7.5	9.4	5.2	9.8	-3.5	.8	-.53
14:00	9.5	4.2	7.6	9.7	4.5	10.2	-.9	1.5	-.42
15:00	10.8	4.7	8.8	11.0	5.1	11.4	-1.5	.7	-.41
16:00	13.3	5.9	10.4	13.5	6.2	13.9	-1.1	.4	-.46
17:00	15.4	6.5	12.0	15.6	7.0	16.1	-.2	.4	-.39
18:00	14.6	6.7	11.2	14.9	7.1	15.4	-.1	.9	-.34
19:00	13.0	5.7	10.5	13.3	5.9	13.6	.6	1.4	-.31
20:00	11.8	4.9	8.9	12.0	5.2	12.3	1.0	.9	-.27
21:00	11.2	4.9	8.8	11.4	5.2	11.7	-2.6	1.1	-.51
22:00	9.4	3.9	7.6	9.6	4.3	10.0	-1.9	1.3	-.36
23:00	10.1	4.1	7.6	10.3	4.6	10.7	-2.7	.9	-.41
Avg	.0	4.4	7.7	10.0	4.8	10.3	-1.1	.7	-.32
Max	15.4	6.7	12.0	15.6	7.1	16.1	1.1	3.4	-.06
Hr. of Max	17	18	17	17	18	17	07	07	00
Min	.8	.8	1.0	1.3	1.3	1.6	-5.1	-.7	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/23/2017

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	4.6	4.8	6.9	10.9	9.7	14.4	14.3
01:00	-.07	5.7	7.6	10.1	18.6	7.1	14.7	14.2
02:00	.08	9.4	12.4	14.4	17.6	8.7	14.6	13.9
03:00	-.13	10.5	14.0	14.2	21.7	9.0	14.2	13.6
04:00	-.01	15.3	22.7	28.4	21.4	8.9	13.9	13.3
05:00	-.18	13.1	16.9	22.0	19.1	8.7	13.4	12.8
06:00	.05	11.9	14.7	26.6	22.1	9.6	13.1	12.5
07:00	.26	11.7	15.1	17.4	20.1	12.6	13.2	12.6
08:00	-.14	12.6	14.2	17.6	18.7	7.9	13.4	12.9
09:00	-.07	12.4	18.5	25.2	19.4	8.9	13.6	13.0
10:00	.03	14.7	16.9	19.7	19.5	10.3	13.9	13.3 R
11:00	.07	12.1	19.9	22.2	21.7	8.9	14.0	13.3
12:00	-.16	22.2	23.1	23.4	19.3	15.3	14.6	14.3
13:00	.03	15.1	16.5	17.9	19.5	12.0	14.7	14.3
14:00	.09	16.5	17.4	21.5	25.6	11.1	14.8	14.3
15:00	.03	13.7	19.9	22.7	22.0	8.9	15.0	14.4
16:00	-.05	18.1	21.8	25.0	21.0	8.4	14.8	14.2
17:00	-.05	18.1	24.0	25.0	21.4	8.4	14.3	13.8
18:00	.05	23.1	38.5	40.1	20.7	9.1	14.2	13.7
19:00	.15	25.4	30.2	30.0	22.0	9.1	13.8	13.3
20:00	.08	15.6	18.1	20.6	23.2	8.7	13.5	13.1
21:00	.06	15.3	17.4	21.5	19.8	8.5	13.3	12.8
22:00	.09	13.1	24.3	21.3	21.7	10.2	13.1	12.6
23:00	.04	17.9	16.7	22.0	20.1	8.9	12.9	12.4
Avg	.01	14.5	18.6	21.5	20.3	9.5	14.0	13.5
Max	.26	25.4	38.5	40.1	25.6	15.3	15.0	14.4
Hr. of Max	07	19	18	18	14	12	15	15
Min	-.18	4.6	4.8	6.9	10.9	7.1	12.9	12.4
Count	24	24	24	24	24	24	24	24
Total								