Date Printed: 07/31/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2016

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	21.9	22.4	22.7	22.8	.49	.74	.90	.25	.41
01:00	21.8	22.2	22.4	22.5	.41	.62	.69	.21	.28
02:00	21.8	22.2	22.3	22.3	.39	.50	.53	.12	.14
03:00	21.8	21.9	22.1	22.1	.11	.24	.31	.12	.20
04:00	21.3	21.7	21.8	21.9	.37	.52	.54	.14	.16
05:00	21.3	21.4	21.6	21.7	.10	.33	.44	.23	.35
06:00	21.2	21.3	21.4	21.6	.12	.20	.33	.08	.21
07:00	21.6	21.5	21.5	21.6	-.07	-.09	.03	-.02	.10
08:00	22.3	22.0	21.8	21.8	-.27	-.43	-.44	-.16	-.17
09:00	23.5	23.2	22.9	22.8	-.38	-.65	-.74	-.27	-.36
10:00	25.5	24.7	24.4	24.4	-.72	-1.03	-1.08	-.31	-.35
11:00	27.4	26.5	26.2	26.1	-.91	-1.24	-1.34	-.32	-.43
12:00	28.4	27.5	27.1	27.1	-.97	-1.28	-1.37	-.31	-.40
13:00	29.4	28.4	28.1	28.0	-.96	-1.26	-1.34	-.29	-.38
14:00	31.0	29.7	29.4	29.3	-1.29	-1.64	-1.72	-.35	-.42
15:00	31.6	30.4	30.0	29.9	-1.24	-1.57	-1.70	-.34	-.46
16:00	31.6	30.7	30.3	30.2	-.98	-1.29	-1.40	-.31	-.42
17:00	30.9	30.3	30.0	30.0	-.60	-.84	-.89	-.24	-.29
18:00	27.7	27.8	28.0	28.3	.12	.32	.64	.19	.52
19:00	24.8	25.0	26.2	27.2	.20	1.38	2.46	1.19	2.26
20:00	24.6	24.9	26.0	27.1	.30	1.39	2.56	1.09	2.25
21:00	23.6	24.4	25.3	26.5	.81	1.73	2.98	.93	2.17
22:00	23.0	24.0	24.8	25.7	.98	1.77	2.70	.79	1.72
23:00	22.7	23.4	24.1	24.4	.72	1.43	1.76	.71	1.04
Avg	25.0	24.9	25.0	25.2	-.14	-.01	.20	.13	.34
Max	31.6	30.7	30.3	30.2	.98	1.77	2.98	1.19	2.26
Hr. of Max	16	16	16	16	22	22	21	19	19
Min	21.2	21.3	21.4	21.6	-1.29	-1.64	-1.72	-.35	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2016

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	20.7	21.7	21.1	28.1	94.8	98.3	17.9	19.1	0.01581
01:00	20.6	21.6	21.0	27.9	95.6	98.9	17.9	18.9	0.015786
02:00	20.7	21.5	21.0	27.7	96.0	98.6	18.0	18.8	0.015853
03:00	20.7	21.2	21.0	27.5	95.5	97.9	17.9	18.5	0.015832
04:00	20.3	21.0	20.6	27.3	96.1	98.3	17.5	18.3	0.01545
05:00	20.2	20.7	20.6	27.1	95.8	98.3	17.5	18.0	0.015377
06:00	20.1	20.6	20.5	26.9	96.0	98.2	17.4	17.9	0.015313
07:00	20.5	20.7	20.8	26.8	95.8	97.8	17.7	18.1	0.015621
08:00	20.9	21.0	21.4	26.7	94.5	96.3	18.2	18.3	0.01608
09:00	21.2	20.8	22.0	26.6	89.1	88.9	18.5	18.0	0.016366
10:00	21.3	20.6	22.7	26.6	79.9	80.2	18.4	17.8	0.01645
11:00	20.7	19.9	22.9	26.7	68.8	69.0	17.7	16.9	0.015895
12:00	20.4	19.7	23.1	27.1	63.7	64.6	17.4	16.7	0.015617
13:00	20.3	19.7	23.3	27.6	59.9	61.0	17.2	16.6	0.01554
14:00	20.0	19.3	23.7	28.1	53.5	55.2	16.8	16.2	0.015264
15:00	19.8	19.1	23.7	28.6	51.2	52.5	16.6	15.9	0.015083
16:00	20.0	19.4	23.9	28.9	51.7	52.7	16.8	16.2	0.015274
17:00	20.8	20.3	24.1	29.1	56.8	57.0	17.6	17.2	0.016043
18:00	21.4	20.7	23.5	29.3	70.9	67.3	18.4	17.7	0.01661
19:00	22.0	21.4	22.9	29.3	86.9	83.1	19.3	18.6	0.017231
20:00	22.1	21.8	22.9	29.1	88.8	85.6	19.5	19.1	0.017376
21:00	21.7	21.7	22.3	28.9	91.5	87.5	19.0	19.0	0.016852
22:00	21.4	21.7	21.9	28.7	92.9	89.6	18.7	19.0	0.01655
23:00	21.2	22.0	21.7	28.5	93.9	94.7	18.5	19.4	0.016377
Avg	20.8	20.8	22.2	27.9	81.7	82.1	17.9	17.9	0.015985
Max	22.1	22.0	24.1	29.3	96.1	98.9	19.5	19.4	0.017376
Hr. of Max	20	23	17	19	04	01	20	23	20
Min	19.8	19.1	20.5	26.6	51.2	52.5	16.6	15.9	0.015083
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2016

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	0.016905	24.4	26.1	.00	29.08	984.9	-2.0	.00	244.5
01:00	0.016738	24.4	25.8	.00	29.07	984.5	-2.7	.00	261.1
02:00	0.016669	24.5	25.7	.00	29.05	983.9	-2.1	.00	292.2
03:00	0.016339	24.4	25.2	.00	29.05	983.9	-2.5	.00	259.8
04:00	0.016171	23.8	24.9	.00	29.06	984.0	-2.7	.00	290.4
05:00	0.01587	23.8	24.5	.00	29.07	984.5	-1.9	.00	247.5
06:00	0.015797	23.7	24.4	.00	29.08	984.9	-.3	.00	254.8
07:00	0.015889	24.1	24.5	.02	29.10	985.4	27.8	.04	241.4
08:00	0.016097	24.8	24.9	.00	29.11	985.8	147.8	.21	226.3
09:00	0.015958	25.3	24.7	.00	29.12	986.1	328.3	.47	205.9
10:00	0.015803	25.4	24.4	.00	29.12	986.3	539.1	.77	237.7
11:00	0.0151	24.6	23.4	.00	29.12	986.2	785.1	1.13	218.1
12:00	0.014967	24.1	23.2	.00	29.12	986.0	734.5	1.05	224.2
13:00	0.014958	24.0	23.1	.00	29.10	985.6	791.6	1.13	200.1
14:00	0.01462	23.6	22.6	.00	29.09	985.1	979.0	1.40	224.3
15:00	0.014412	23.3	22.3	.00	29.07	984.5	907.5	1.30	217.2
16:00	0.014732	23.6	22.8	.00	29.06	984.0	569.4	.82	242.2
17:00	0.015578	24.7	24.0	.00	29.06	984.0	315.6	.45	232.8
18:00	0.015912	25.6	24.5	.00	29.05	983.8	93.8	.13	286.7
19:00	0.016642	26.5	25.6	.00	29.05	983.8	92.2	.13	311.0
20:00	0.017051	26.8	26.3	.00	29.07	984.3	19.6	.03	305.2
21:00	0.016919	26.0	26.1	.00	29.08	985.0	-2.6	.00	283.1
22:00	0.016926	25.5	26.1	.00	29.09	985.3	-1.7	.00	297.5
23:00	0.017251	25.3	26.6	.00	29.09	985.2	-2.5	.00	296.2
Avg	0.015971	24.7	24.7	.00	29.08	984.9	262.9	.38	253.0
Max	0.017251	26.8	26.6	.02	29.12	986.3	979.0	1.40	311.0
Hr. of Max	23	20	23	07	12	10	14	14	19
Min	0.014412	23.3	22.3	.00	29.05	983.8	-2.7	.00	200.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2016

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	223.9	206.7	247.1	202.7	29.8	13.9	9.0	1.3	2.3
01:00	233.5	209.8	256.9	208.5	40.8	23.4	17.7	.7	1.6
02:00	229.0	130.3	294.0	146.4	40.1	60.1	26.9	.6	.2
03:00	252.0	187.0	258.9	211.0	13.0	11.4	32.5	1.0	1.6
04:00	224.4	175.6	288.0	180.6	20.1	21.8	16.1	.8	.8
05:00	244.9	212.6	250.1	210.7	13.3	10.3	6.1	1.1	1.7
06:00	250.0	217.4	257.4	215.4	14.8	11.8	7.7	1.2	2.1
07:00	245.0	232.8	247.0	228.5	28.3	20.8	14.8	1.5	2.8
08:00	238.2	236.6	232.6	231.2	26.3	17.3	12.0	1.9	3.2
09:00	218.4	216.6	212.8	213.2	26.9	21.5	19.9	2.0	2.6
10:00	250.3	242.3	241.1	237.6	48.1	45.9	41.0	1.8	2.2
11:00	223.1	215.7	222.5	212.7	49.1	44.4	40.3	2.4	2.8
12:00	230.3	224.2	229.7	219.7	40.4	32.1	30.9	3.2	4.3
13:00	207.6	207.2	208.1	201.9	34.5	27.3	25.5	3.6	4.4
14:00	226.6	227.9	230.5	221.5	40.7	33.7	27.5	3.6	4.9
15:00	227.6	225.6	224.1	219.4	32.2	24.0	20.9	4.8	6.1
16:00	247.2	243.8	248.4	237.9	27.8	20.8	18.9	4.2	5.5
17:00	230.8	227.5	238.0	221.8	24.9	19.0	14.2	3.8	5.4
18:00	284.2	277.4	287.4	268.6	23.6	18.5	14.4	3.5	5.6
19:00	26.2	163.2	308.5	249.1	33.9	58.4	66.2	1.1	.7
20:00	230.6	211.8	301.6	214.8	13.7	19.6	13.3	1.0	1.1
21:00	240.7	208.3	284.9	207.2	25.3	36.5	9.7	.7	1.3
22:00	126.9	201.6	290.2	210.2	27.4	42.3	15.9	.8	.1
23:00	217.9	212.8	286.0	217.0	44.9	42.6	26.8	.7	1.2
Avg	233.0	213.0	255.0	216.0	30.0	28.2	22.0	.0	.0
Max	284.2	277.4	308.5	268.6	49.1	60.1	66.2	4.8	6.1
Hr. of Max	18	18	19	18	11	02	19	15	15
Min	26.2	130.3	208.1	146.4	13.0	10.3	6.1	.6	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2016

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	3.6	1.5	2.4	3.7	1.8	3.9	.3	.1	-.01
01:00	2.4	1.0	1.8	2.7	1.3	2.9	.3	-1.0	.01
02:00	1.1	.7	.8	1.2	1.1	1.7	-.9	-1.6	-.03
03:00	1.1	1.0	1.7	1.2	1.4	1.6	.7	-1.8	.00
04:00	1.5	.8	.9	1.6	1.1	1.9	-2.9	-1.5	-.05
05:00	2.6	1.2	1.7	2.7	1.6	2.9	.9	-.7	.01
06:00	2.8	1.3	2.2	2.8	1.6	3.1	-1.4	-.3	-.04
07:00	3.9	1.8	3.1	4.2	2.1	4.4	-.2	-.5	-.03
08:00	4.6	2.0	3.3	4.7	2.6	5.0	2.3	.3	.00
09:00	3.0	2.2	2.7	3.2	2.6	3.6	.2	-.9	-.08
10:00	2.5	2.5	2.7	3.0	2.9	3.5	1.2	.5	-.03
11:00	3.3	3.1	3.5	3.9	3.6	4.5	1.8	-2.8	-.05
12:00	4.8	3.9	4.8	5.3	4.5	5.9	-.6	-8.2	-.18
13:00	4.6	4.3	5.1	5.2	4.9	5.8	-1.9	-4.4	-.27
14:00	5.7	4.5	5.7	6.4	5.0	6.9	-.1	-.8	-.13
15:00	7.2	5.4	6.6	7.6	6.0	8.2	-1.2	-4.6	-.27
16:00	6.3	4.6	5.8	6.6	5.1	7.2	-1.3	-2.7	-.33
17:00	6.7	4.2	5.7	6.9	4.7	7.4	-.6	-.1	-.19
18:00	7.7	4.1	6.3	8.6	4.3	8.6	-2.0	-1.3	-.33
19:00	1.1	1.5	1.5	1.7	1.8	2.1	1.0	-.2	.00
20:00	1.7	1.1	1.2	1.8	1.3	2.0	-1.7	-.2	-.05
21:00	2.4	.7	1.4	2.5	.9	2.7	.4	-.5	.00
22:00	1.4	.9	.4	1.4	1.1	1.8	.4	-.8	.01
23:00	2.4	.9	1.3	2.6	1.1	2.9	1.5	-1.7	.01
Avg	.0	2.3	3.0	3.8	2.7	4.2	-.2	-1.5	-.08
Max	7.7	5.4	6.6	8.6	6.0	8.6	2.3	.5	.01
Hr. of Max	18	15	15	18	15	18	08	10	23
Min	1.1	.7	.4	1.2	.9	1.6	-2.9	-8.2	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/30/2016

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	4.4	6.4	6.9	2.8	24.1	24.3
01:00	-.03	3.4	4.8	5.3	9.0	5.0	23.8	23.9
02:00	-.07	2.3	2.7	5.0	12.7	18.5	23.8	23.7
03:00	-.03	3.0	3.2	3.0	6.8	9.0	23.6	23.5
04:00	-.06	1.8	2.3	3.0	7.7	10.2	23.3	23.2
05:00	-.04	2.5	4.4	4.4	5.3	2.4	23.0	23.1
06:00	-.01	3.2	4.1	5.7	6.8	2.9	22.9	22.9
07:00	-.01	5.7	7.3	8.7	9.4	3.0	23.1	22.9
08:00	-.02	6.2	9.2	13.3	19.0	8.4	23.6	23.1
09:00	-.14	5.7	6.0	6.9	21.7	16.7	24.7	24.0
10:00	-.07	11.2	8.9	11.2	24.2	25.7	26.4	25.6
11:00	-.16	9.2	10.3	9.6	25.2	23.3	27.9	27.1
12:00	-.77	9.4	9.6	11.9	19.7	19.3	28.7	27.9
13:00	-.47	12.8	14.4	12.4	19.2	18.2	29.6	28.9
14:00	-.17	11.9	13.3	15.1	21.2	17.4	30.9	29.9
15:00	-.64	13.7	14.4	17.6	18.1	11.9	31.4	30.4
16:00	-.44	19.7	20.4	16.3	17.4	13.7	31.8	30.9
17:00	-.10	12.6	14.2	16.3	16.0	10.4	31.5	30.9
18:00	-.38	13.3	17.4	19.2	15.0	8.4	29.3	29.5
19:00	.07	10.3	16.7	17.4	11.0	13.0	26.7	28.4
20:00	-.01	2.3	2.7	3.2	8.7	6.5	26.6	28.4
21:00	-.02	2.3	2.5	6.2	6.5	4.4	26.0	27.9
22:00	-.02	2.3	1.8	2.7	6.7	5.0	25.7	27.2
23:00	-.05	2.3	3.7	5.0	10.5	5.4	25.1	26.0
Avg	-.15	7.1	8.3	9.4	13.5	10.9	26.4	26.4
Max	.07	19.7	20.4	19.2	25.2	25.7	31.8	30.9
Hr. of Max	19	16	16	18	11	10	16	17
Min	-.77	1.8	1.8	2.7	5.3	2.4	22.9	22.9
Count	24	24	24	24	24	24	24	24
Total								