Date Printed: 07/08/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/7/2015

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	20.6	21.6	22.2	22.8	1.01	1.58	2.19	.57	1.18
01:00	20.1	21.3	21.7	22.3	1.20	1.54	2.15	.34	.95
02:00	19.7	21.0	21.4	21.9	1.30	1.74	2.19	.44	.89
03:00	19.5	20.8	21.2	21.7	1.28	1.68	2.17	.41	.90
04:00	19.5	20.7	21.0	21.5	1.22	1.56	2.05	.34	.83
05:00	19.8	20.8	21.0	21.3	1.04	1.19	1.57	.14	.53
06:00	19.6	20.6	20.8	21.1	.94	1.22	1.49	.27	.55
07:00	20.3	20.7	21.0	21.2	.38	.68	.89	.30	.50
08:00	22.4	22.1	22.0	22.0	-.24	-.33	-.36	-.08	-.12
09:00	24.0	23.6	23.3	23.2	-.39	-.65	-.78	-.27	-.40
10:00	25.1	24.8	24.5	24.4	-.32	-.60	-.69	-.28	-.37
11:00	26.5	26.1	25.8	25.7	-.42	-.73	-.83	-.31	-.41
12:00	28.0	27.4	27.1	27.0	-.60	-.93	-1.04	-.32	-.44
13:00	29.5	28.7	28.3	28.2	-.79	-1.13	-1.24	-.34	-.45
14:00	30.2	29.5	29.1	29.0	-.75	-1.11	-1.20	-.36	-.45
15:00	30.7	30.1	29.8	29.7	-.58	-.89	-1.01	-.31	-.44
16:00	30.7	30.3	30.0	29.9	-.39	-.68	-.76	-.29	-.37
17:00	30.8	30.4	30.2	30.0	-.31	-.61	-.73	-.29	-.42
18:00	29.3	29.2	29.1	29.2	-.09	-.17	-.07	-.08	.02
19:00	27.8	27.9	28.0	28.2	.11	.20	.46	.09	.35
20:00	26.1	27.1	27.3	27.6	.92	1.15	1.51	.23	.59
21:00	24.2	26.2	26.5	26.9	1.97	2.31	2.68	.34	.71
22:00	23.4	24.8	25.8	26.2	1.42	2.34	2.74	.92	1.32
23:00	23.8	24.9	25.4	25.6	1.14	1.63	1.84	.49	.70
Avg	24.7	25.0	25.1	25.3	.38	.46	.63	.08	.26
Max	30.8	30.4	30.2	30.0	1.97	2.34	2.74	.92	1.32
Hr. of Max	17	17	17	17	21	22	22	22	22
Min	19.5	20.6	20.8	21.1	-.79	-1.13	-1.24	-.36	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/7/2015

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	19.4	20.7	19.8	25.4	94.9	97.3	16.6	18.0	0.014509
01:00	19.0	20.6	19.4	25.2	95.3	98.2	16.3	17.9	0.014161
02:00	18.6	20.3	18.9	24.9	95.3	98.4	15.9	17.6	0.013798
03:00	18.4	20.1	18.8	24.7	95.5	98.1	15.7	17.3	0.013647
04:00	18.4	20.0	18.7	24.4	95.4	98.4	15.7	17.3	0.013609
05:00	18.7	20.1	19.0	24.2	95.4	98.3	16.0	17.4	0.01387
06:00	18.5	19.9	18.9	24.0	95.5	98.2	15.8	17.2	0.013746
07:00	19.2	20.1	19.6	23.9	95.4	98.4	16.5	17.4	0.014367
08:00	20.3	20.5	21.0	23.8	90.7	92.7	17.6	17.7	0.01544
09:00	20.8	20.6	21.8	23.7	84.4	85.4	17.9	17.8	0.015848
10:00	21.1	20.9	22.4	23.8	80.7	81.3	18.2	18.1	0.016177
11:00	21.3	20.9	23.0	24.0	74.9	74.8	18.4	17.9	0.016381
12:00	21.3	20.8	23.6	24.4	69.0	69.2	18.4	17.8	0.01647
13:00	21.2	20.6	23.9	24.9	63.0	63.5	18.1	17.5	0.016353
14:00	20.8	20.3	24.0	25.6	59.0	59.7	17.7	17.2	0.016035
15:00	20.6	20.1	24.0	26.0	56.8	56.9	17.5	17.0	0.015826
16:00	20.0	19.6	23.6	26.3	54.8	54.4	16.9	16.4	0.01527
17:00	20.3	19.9	23.8	26.6	55.3	55.0	17.1	16.7	0.015493
18:00	20.4	20.1	23.4	26.8	60.8	59.8	17.3	17.0	0.015631
19:00	21.4	20.6	23.5	26.9	70.3	66.7	18.4	17.6	0.016556
20:00	21.2	20.2	22.8	26.9	76.3	68.2	18.3	17.2	0.016331
21:00	21.0	20.1	22.1	26.8	84.4	71.0	18.2	17.1	0.016127
22:00	20.8	20.4	21.7	26.6	87.6	78.5	18.0	17.5	0.015928
23:00	20.5	20.3	21.6	26.4	84.5	77.6	17.7	17.4	0.015625
Avg	20.1	20.3	21.6	25.3	79.8	79.2	17.3	17.4	0.0153
Max	21.4	20.9	24.0	26.9	95.5	98.4	18.4	18.1	0.016556
Hr. of Max	19	11	15	20	06	07	19	10	19
Min	18.4	19.6	18.7	23.7	54.8	54.4	15.7	16.4	0.013609
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/7/2015

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	0.015834	22.5	24.5	.00	29.20	988.8	-1.6	.00	264.2
01:00	0.01572	22.0	24.4	.00	29.19	988.6	-2.0	.00	335.4
02:00	0.015441	21.4	23.9	.00	29.19	988.4	-2.8	.00	318.0
03:00	0.015169	21.2	23.5	.00	29.19	988.5	-2.2	.00	230.0
04:00	0.015144	21.2	23.5	.00	29.19	988.7	-1.3	.00	258.7
05:00	0.015237	21.6	23.6	.00	29.20	988.8	-1.8	.00	240.5
06:00	0.014996	21.4	23.3	.00	29.21	989.0	6.0	.01	236.5
07:00	0.015167	22.3	23.6	.00	29.22	989.5	48.6	.07	217.7
08:00	0.01554	24.0	24.1	.00	29.22	989.5	220.6	.32	259.7
09:00	0.01567	24.6	24.3	.00	29.23	989.9	406.0	.58	236.1
10:00	0.015995	25.1	24.8	.00	29.23	989.9	328.6	.47	214.5
11:00	0.015971	25.4	24.8	.00	29.23	989.8	529.4	.76	197.8
12:00	0.015963	25.5	24.8	.00	29.22	989.5	755.4	1.08	199.8
13:00	0.015744	25.3	24.4	.00	29.20	988.9	930.8	1.33	207.2
14:00	0.015528	24.8	24.1	.00	29.18	988.3	845.0	1.21	210.4
15:00	0.015335	24.5	23.8	.00	29.17	987.9	761.4	1.09	207.7
16:00	0.014824	23.7	23.0	.00	29.16	987.6	510.4	.73	215.7
17:00	0.015137	24.0	23.5	.00	29.15	987.2	422.1	.61	215.6
18:00	0.015312	24.2	23.7	.00	29.14	987.0	176.8	.25	220.2
19:00	0.015818	25.6	24.5	.00	29.14	986.8	117.9	.17	239.9
20:00	0.015421	25.3	23.9	.00	29.15	987.2	24.9	.04	245.7
21:00	0.01525	25.0	23.6	.00	29.17	987.7	-2.1	.00	253.0
22:00	0.01554	24.7	24.1	.00	29.18	988.3	-2.1	.00	318.1
23:00	0.015391	24.2	23.9	.00	29.22	989.4	-3.0	.00	310.3
Avg	0.015464	23.7	24.0	.00	29.19	988.6	252.7	.36	240.0
Max	0.015995	25.6	24.8	.00	29.23	989.9	930.8	1.33	335.4
Hr. of Max	10	19	12	23	11	10	13	13	01
Min	0.014824	21.2	23.0	.00	29.14	986.8	-3.0	.00	197.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/7/2015

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	230.7	226.8	264.0	229.0	32.0	17.1	6.5	1.0	2.0
01:00	309.4	191.4	306.4	192.7	39.5	52.5	11.4	.3	.3
02:00	223.2	195.5	306.3	196.8	55.6	15.3	10.5	.6	1.6
03:00	236.1	225.9	248.9	227.8	62.4	56.5	12.1	.3	.9
04:00	223.7	219.9	260.4	222.5	10.9	28.8	9.7	1.4	2.0
05:00	244.6	226.1	246.0	228.9	11.2	6.2	5.2	1.5	3.0
06:00	238.3	244.7	248.0	246.2	51.7	15.0	5.7	1.1	1.5
07:00	230.8	244.8	236.9	246.5	52.1	21.7	12.0	.4	1.0
08:00	232.1	198.8	258.0	199.9	46.7	40.1	28.4	.9	1.3
09:00	235.5	231.8	240.3	233.0	25.8	21.7	16.4	2.7	3.6
10:00	218.7	215.0	220.6	217.0	26.0	20.0	16.3	3.5	4.9
11:00	209.2	208.5	203.1	209.6	28.5	24.8	20.1	4.0	5.5
12:00	206.2	204.0	206.7	205.7	30.3	24.1	20.6	4.5	5.9
13:00	213.6	213.5	212.1	215.2	31.7	24.5	19.9	5.2	7.2
14:00	215.5	214.8	216.0	216.6	29.7	22.1	19.3	6.0	8.3
15:00	213.3	212.1	213.2	214.0	27.4	21.6	18.1	6.5	9.0
16:00	220.5	219.6	221.4	222.0	23.7	16.9	12.3	7.2	10.7
17:00	221.5	219.8	220.2	221.9	25.2	18.9	14.2	5.8	8.2
18:00	220.7	217.6	224.5	219.3	24.0	13.8	10.3	3.1	5.8
19:00	221.6	210.7	244.1	212.1	21.0	15.3	10.9	1.7	3.4
20:00	240.0	227.7	249.7	229.8	13.3	8.5	6.8	2.4	5.1
21:00	234.0	218.4	254.5	220.8	12.2	6.3	5.1	1.4	3.8
22:00	234.2	207.3	311.5	209.2	40.2	8.2	6.1	.5	2.1
23:00	286.3	276.2	310.5	275.1	24.2	18.6	17.1	2.7	4.0
Avg	230.0	219.0	245.0	221.0	31.1	21.6	13.1	.0	.0
Max	309.4	276.2	311.5	275.1	62.4	56.5	28.4	7.2	10.7
Hr. of Max	01	23	22	23	03	03	08	16	16
Min	206.2	191.4	203.1	192.7	10.9	6.2	5.1	.3	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/7/2015

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	3.3	1.2	2.1	3.3	1.5	3.6	.3	1.3	.01
01:00	1.2	.4	.3	1.2	.8	1.6	.6	-2.0	.01
02:00	3.3	.7	1.6	3.3	1.1	3.6	2.7	-.2	.04
03:00	2.5	.8	1.2	2.6	1.2	2.9	2.1	.2	.04
04:00	2.9	1.4	2.0	2.9	1.8	3.2	.3	-.1	.00
05:00	3.9	1.6	3.0	4.0	2.0	4.3	.5	.2	.01
06:00	2.7	1.1	1.5	2.7	1.6	3.0	-.2	.7	-.01
07:00	2.0	.6	1.3	2.2	1.1	2.5	.9	1.6	.01
08:00	2.1	1.1	1.5	2.4	1.6	2.8	2.2	.0	-.03
09:00	4.2	2.9	3.9	4.5	3.5	4.9	2.4	2.9	-.01
10:00	5.9	3.9	5.2	6.1	4.5	6.6	-.4	-.3	-.12
11:00	6.6	4.6	6.1	7.1	5.2	7.6	1.4	.5	-.06
12:00	6.8	5.1	6.4	7.2	5.7	7.8	.2	1.1	-.15
13:00	8.7	5.9	7.8	9.1	6.5	9.8	3.3	2.1	.06
14:00	10.0	6.7	8.9	10.5	7.5	11.2	.7	1.2	-.18
15:00	11.0	7.2	9.7	11.5	7.9	12.3	1.8	1.5	-.01
16:00	13.4	7.8	11.1	13.7	8.6	14.6	.6	-.5	-.19
17:00	10.2	6.3	8.6	10.5	6.9	11.2	.0	.2	-.26
18:00	8.0	3.4	6.0	8.2	4.0	8.7	.3	.7	-.10
19:00	6.0	1.8	3.5	6.1	2.2	6.6	-.8	1.6	-.07
20:00	7.3	2.5	5.2	7.4	3.0	7.9	-2.1	.5	-.14
21:00	5.7	1.5	3.8	5.7	1.8	6.1	-1.1	-.2	-.05
22:00	3.9	.6	2.1	4.0	.9	4.3	1.8	-.5	.02
23:00	5.1	3.0	5.0	7.1	3.4	7.4	-2.1	.3	-.37
Avg	.0	3.0	4.5	6.0	3.5	6.4	.6	.5	-.06
Max	13.4	7.8	11.1	13.7	8.6	14.6	3.3	2.9	.06
Hr. of Max	16	16	16	16	16	16	13	09	13
Min	1.2	.4	.3	1.2	.8	1.6	-2.1	-2.0	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/7/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.09	2.7	3.4	5.5	3.0	5.8	5.9	2.9
01:00	-.05	1.6	1.8	4.4	1.8	3.8	6.9	4.0
02:00	-.03	2.1	3.9	6.4	2.3	6.3	10.6	7.6
03:00	.00	2.5	4.1	6.6	2.9	7.5	10.6	5.7
04:00	.00	3.0	3.7	4.1	3.3	4.5	5.5	2.2
05:00	.02	3.0	6.0	7.3	3.1	5.3	3.8	1.7
06:00	.03	3.2	6.0	8.0	3.0	5.0	5.4	2.5
07:00	.06	2.5	2.7	5.0	2.9	4.4	8.6	6.5
08:00	-.02	6.9	6.6	8.5	6.5	9.3	23.0	16.7
09:00	.15	8.5	8.5	10.5	9.3	11.8	21.5	16.2
10:00	-.15	11.2	14.2	13.3	12.8	13.9	17.0	12.7
11:00	-.08	14.9	14.9	17.6	13.9	15.3	18.5	13.8
12:00	-.03	13.3	13.7	14.4	14.1	15.0	17.3	16.4
13:00	.05	13.7	16.3	18.8	16.5	19.7	20.3	16.2
14:00	.05	16.3	19.2	27.7	17.4	20.8	17.9	12.6
15:00	.05	17.6	23.1	24.5	22.4	27.0	18.4	11.7
16:00	-.32	18.1	21.8	23.6	19.3	25.6	17.5	8.8
17:00	-.10	16.0	16.9	18.5	17.0	20.9	17.5	10.2
18:00	.05	12.4	17.4	21.1	10.9	16.0	17.4	7.6
19:00	.13	6.6	8.7	12.8	8.5	12.5	13.4	7.9
20:00	.04	5.5	8.7	10.5	7.3	11.6	9.0	4.4
21:00	-.03	5.0	9.6	14.2	4.5	9.1	6.2	3.2
22:00	-.05	2.5	4.6	8.5	2.5	8.0	10.2	4.4
23:00	-.11	13.5	17.4	18.8	14.1	20.0	13.9	8.3
Avg	-.01	8.4	10.6	12.9	9.1	12.5	13.2	8.5
Max	.15	18.1	23.1	27.7	22.4	27.0	23.0	16.7
Hr. of Max	09	16	15	14	15	15	08	08
Min	-.32	1.6	1.8	4.1	1.8	3.8	3.8	1.7
Count	24	24	24	24	24	24	24	24
Total								