Date Printed: 08/10/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2015

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	21.0	22.1	22.5	23.1	1.10	1.49	2.11	.39	1.00
01:00	20.5	21.6	21.9	22.6	1.07	1.41	2.15	.35	1.08
02:00	20.1	21.0	21.4	22.0	.92	1.32	1.88	.40	.96
03:00	19.8	20.7	21.0	21.3	.88	1.20	1.56	.32	.68
04:00	19.4	20.4	20.6	21.0	1.00	1.17	1.58	.17	.58
05:00	19.1	20.0	20.3	20.7	.96	1.27	1.64	.31	.68
06:00	19.0	19.9	20.2	20.5	.90	1.21	1.54	.31	.64
07:00	19.2	20.1	20.3	20.4	.93	1.14	1.18	.21	.25
08:00	21.8	21.7	21.5	21.5	-.17	-.31	-.33	-.14	-.15
09:00	24.2	23.8	23.6	23.5	-.41	-.66	-.75	-.25	-.34
10:00	26.2	25.6	25.4	25.2	-.58	-.82	-.94	-.24	-.37
11:00	28.0	27.3	27.1	26.9	-.67	-.91	-1.06	-.25	-.40
12:00	29.4	28.6	28.3	28.3	-.83	-1.06	-1.14	-.23	-.31
13:00	30.5	29.5	29.2	29.1	-.97	-1.26	-1.38	-.29	-.40
14:00	31.2	30.3	30.0	29.9	-.96	-1.26	-1.34	-.30	-.38
15:00	31.6	30.8	30.5	30.4	-.88	-1.11	-1.25	-.23	-.37
16:00	31.6	30.9	30.6	30.5	-.65	-.93	-1.04	-.28	-.39
17:00	31.5	31.0	30.8	30.6	-.41	-.67	-.86	-.26	-.44
18:00	29.3	29.4	29.9	30.2	.09	.57	.85	.48	.76
19:00	27.2	27.4	28.5	28.9	.17	1.26	1.70	1.08	1.53
20:00	25.0	26.1	27.1	27.6	1.09	2.07	2.60	.98	1.51
21:00	23.3	25.1	25.6	25.9	1.75	2.33	2.60	.57	.85
22:00	22.7	24.0	24.5	24.8	1.25	1.73	2.09	.48	.85
23:00	22.2	23.2	23.8	24.2	.94	1.54	1.93	.60	.98
Avg	24.7	25.0	25.2	25.4	.27	.45	.64	.17	.37
Max	31.6	31.0	30.8	30.6	1.75	2.33	2.60	1.08	1.53
Hr. of Max	16	17	17	17	21	21	21	19	19
Min	19.0	19.9	20.2	20.4	-.97	-1.26	-1.38	-.30	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2015

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	19.5	20.3	20.0	26.8	93.7	91.7	16.8	17.5	0.01475
01:00	19.1	19.9	19.6	26.7	94.0	92.4	16.4	17.1	0.014353
02:00	18.8	19.7	19.2	26.6	94.2	94.5	16.1	17.0	0.01404
03:00	18.5	19.6	18.9	26.4	94.4	95.7	15.8	16.8	0.013778
04:00	18.2	19.4	18.6	26.3	95.0	96.1	15.5	16.7	0.013544
05:00	17.9	19.1	18.3	26.1	95.0	96.8	15.2	16.4	0.013262
06:00	17.8	19.0	18.2	25.9	95.3	96.8	15.2	16.3	0.013226
07:00	18.0	19.0	18.4	25.8	95.0	95.2	15.4	16.2	0.013372
08:00	19.2	18.6	20.1	25.6	87.2	84.8	16.4	15.8	0.014444
09:00	19.7	19.0	21.2	25.5	77.7	76.3	16.8	16.1	0.014875
10:00	20.0	19.2	22.0	25.5	70.7	69.6	17.0	16.2	0.01519
11:00	20.2	19.3	22.8	25.5	64.2	63.1	17.1	16.2	0.015371
12:00	20.0	19.3	23.2	25.8	59.0	58.8	16.9	16.2	0.015287
13:00	19.9	19.1	23.4	26.1	54.9	55.1	16.8	16.0	0.015181
14:00	19.2	18.4	23.2	26.5	50.3	50.6	16.0	15.3	0.014501
15:00	18.7	17.8	23.0	26.9	47.7	47.4	15.5	14.7	0.014083
16:00	18.3	17.4	22.7	27.1	46.7	45.8	15.1	14.3	0.013734
17:00	19.0	18.3	23.2	27.3	49.2	48.1	15.8	15.2	0.014389
18:00	21.0	20.0	23.8	27.4	63.3	59.0	18.0	16.9	0.016303
19:00	21.4	21.1	23.3	27.6	72.4	70.4	18.4	18.1	0.016594
20:00	20.9	21.0	22.3	27.7	80.4	75.8	18.1	18.1	0.016124
21:00	20.4	21.4	21.4	27.7	85.9	82.4	17.6	18.6	0.015591
22:00	20.4	21.8	21.2	27.6	89.1	89.9	17.6	19.1	0.01561
23:00	20.3	21.5	21.0	27.5	91.2	92.6	17.6	18.8	0.0155
Avg	19.4	19.6	21.2	26.6	76.9	76.2	16.5	16.7	0.014713
Max	21.4	21.8	23.8	27.7	95.3	96.8	18.4	19.1	0.016594
Hr. of Max	19	22	18	21	06	06	19	22	19
Min	17.8	17.4	18.2	25.5	46.7	45.8	15.1	14.3	0.013226
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2015

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	0.015432	22.8	23.8	.00	29.07	984.4	-2.3	.00	340.8
01:00	0.01507	22.2	23.3	.00	29.07	984.5	-2.1	.00	330.5
02:00	0.01491	21.7	23.0	.00	29.06	984.2	-2.5	.00	332.1
03:00	0.014761	21.3	22.8	.00	29.06	984.3	-1.7	.00	20.9
04:00	0.014588	21.0	22.6	.00	29.07	984.3	-3.0	.00	353.4
05:00	0.01435	20.5	22.2	.00	29.07	984.3	-2.4	.00	339.0
06:00	0.01421	20.5	22.0	.00	29.07	984.5	-.3	.00	35.6
07:00	0.014192	20.7	22.0	.00	29.09	985.0	45.8	.07	53.3
08:00	0.013893	22.4	21.5	.00	29.09	985.2	261.9	.38	98.9
09:00	0.014258	23.0	22.1	.00	29.10	985.5	478.7	.69	91.7
10:00	0.014455	23.5	22.4	.00	29.10	985.6	659.0	.94	105.8
11:00	0.014528	23.8	22.5	.00	29.12	986.1	794.7	1.14	187.3
12:00	0.014525	23.7	22.5	.00	29.12	986.1	936.4	1.34	205.0
13:00	0.01441	23.5	22.3	.00	29.11	985.8	984.3	1.41	185.1
14:00	0.013798	22.4	21.4	.00	29.09	985.2	944.2	1.35	198.8
15:00	0.013316	21.8	20.6	.00	29.07	984.6	832.7	1.19	209.3
16:00	0.012985	21.3	20.1	.00	29.06	984.2	614.8	.88	184.8
17:00	0.01375	22.2	21.3	.00	29.05	983.9	433.7	.62	214.5
18:00	0.01528	25.1	23.6	.00	29.05	983.7	210.5	.30	269.5
19:00	0.016293	25.6	25.1	.00	29.04	983.5	94.2	.13	307.9
20:00	0.016228	24.9	25.0	.00	29.05	983.8	11.7	.02	315.3
21:00	0.016601	24.1	25.6	.00	29.05	983.8	-2.5	.00	350.0
22:00	0.016982	24.1	26.2	.00	29.06	984.1	-1.9	.00	292.8
23:00	0.016668	23.9	25.7	.00	29.06	984.2	-2.9	.00	296.1
Avg	0.014812	22.8	22.9	.00	29.07	984.6	303.4	.44	310.0
Max	0.016982	25.6	26.2	.00	29.12	986.1	984.3	1.41	353.4
Hr. of Max	22	19	22	23	12	12	13	13	04
Min	0.012985	20.5	20.1	.00	29.04	983.5	-3.0	.00	20.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2015

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	73.1	55.0	341.0	52.1	23.6	10.3	9.7	.7	1.4
01:00	75.8	37.6	332.9	36.6	22.9	9.8	15.2	.7	.8
02:00	71.4	52.7	336.4	54.2	22.8	8.5	13.5	.5	1.0
03:00	67.8	55.0	27.9	52.8	33.7	16.8	14.2	.6	1.1
04:00	74.4	59.5	345.1	57.0	48.4	13.7	11.3	.6	1.1
05:00	77.6	47.8	339.0	44.2	17.0	8.8	11.3	.5	.7
06:00	67.8	56.7	29.2	53.1	20.2	11.9	4.7	.6	1.6
07:00	59.9	53.6	54.7	50.1	16.3	10.5	5.7	.8	1.5
08:00	89.0	66.4	106.0	63.6	28.7	22.7	23.0	1.2	1.5
09:00	82.6	72.0	95.3	69.7	26.8	26.2	26.8	2.4	2.5
10:00	116.7	118.0	114.2	111.2	57.0	46.5	57.5	1.2	1.0
11:00	197.9	202.6	196.1	202.3	42.8	37.4	33.0	2.4	2.6
12:00	216.2	225.1	209.0	224.0	38.7	44.1	37.3	2.5	2.4
13:00	193.4	212.5	190.8	214.4	58.0	56.4	46.6	2.2	2.3
14:00	203.8	204.1	204.2	204.9	30.9	26.1	25.5	3.4	4.1
15:00	212.8	225.1	214.0	225.7	41.1	41.4	42.6	2.4	2.8
16:00	187.5	189.4	188.6	190.4	34.2	29.2	27.2	2.1	2.4
17:00	215.5	223.1	216.3	222.0	30.9	25.3	22.0	1.9	2.2
18:00	248.7	244.7	268.1	245.6	21.0	21.2	12.5	1.2	2.4
19:00	106.7	217.6	307.5	214.5	24.7	36.1	28.6	.8	.7
20:00	114.3	344.5	315.7	61.3	13.0	35.6	39.0	.7	.3
21:00	61.8	66.4	356.8	64.2	27.0	10.2	8.5	.9	1.9
22:00	73.9	69.0	287.6	67.8	24.0	30.6	5.3	.5	.9
23:00	158.3	169.2	294.6	164.8	45.1	47.2	39.6	.9	.2
Avg	115.0	101.0	304.0	100.0	31.2	26.1	23.4	.0	.0
Max	248.7	344.5	356.8	245.6	58.0	56.4	57.5	3.4	4.1
Hr. of Max	18	20	21	18	13	13	10	14	14
Min	59.9	37.6	27.9	36.6	13.0	8.5	4.7	.5	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2015

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	2.1	.9	1.4	2.1	1.0	2.4	1.2	.9	.02
01:00	1.1	.9	.8	1.1	1.1	1.4	-.3	-.5	-.01
02:00	1.0	.6	1.1	1.0	.8	1.3	2.3	1.5	.05
03:00	1.6	.7	1.2	1.7	1.0	1.9	2.6	1.4	.05
04:00	1.9	.6	1.2	2.0	1.0	2.2	2.0	2.3	.04
05:00	1.5	.8	.8	1.5	1.0	1.8	1.5	-.5	.03
06:00	2.8	.7	1.7	2.8	1.0	3.1	2.2	.5	.04
07:00	2.4	.9	1.6	2.4	1.1	2.6	1.7	-1.5	.02
08:00	2.0	1.3	1.6	2.2	1.7	2.5	2.2	2.9	.11
09:00	2.7	2.6	2.8	2.9	3.0	3.4	-.8	5.3	-.08
10:00	.6	1.8	1.6	1.5	2.5	2.2	1.7	8.6	.12
11:00	2.6	2.8	2.9	3.0	3.2	3.7	-3.5	-8.7	-.27
12:00	2.5	3.1	3.2	3.2	3.6	3.8	-1.4	-4.3	-.18
13:00	2.5	3.4	3.5	3.6	3.9	4.2	2.7	.4	.18
14:00	4.4	4.2	4.8	5.1	4.7	5.6	.4	-2.8	-.13
15:00	3.2	3.3	3.8	4.1	3.9	4.7	-.8	-5.1	-.10
16:00	2.5	2.5	2.8	3.0	3.2	3.5	-1.8	-4.6	-.07
17:00	2.6	2.2	2.5	2.9	2.7	3.4	5.9	3.4	.19
18:00	3.5	1.5	2.6	3.6	1.8	3.9	4.1	-.5	.05
19:00	1.3	.9	.9	1.5	1.2	1.9	1.4	-.1	.03
20:00	.3	.7	.5	.3	.9	.6	-.4	-1.0	-.01
21:00	2.6	1.0	1.9	2.7	1.2	2.9	1.5	1.0	.03
22:00	1.6	.8	1.0	1.7	1.0	1.9	.0	-.4	.00
23:00	.2	1.2	.7	.3	1.4	.7	.8	-.5	.02
Avg	.0	1.6	2.0	2.3	2.0	2.7	1.1	-.1	.01
Max	4.4	4.2	4.8	5.1	4.7	5.6	5.9	8.6	.19
Hr. of Max	14	14	14	14	14	14	17	10	17
Min	.2	.6	.5	.3	.8	.6	-3.5	-8.7	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/9/2015

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	.05	1.8	3.4	4.4	2.2	3.7	7.9	3.5
01:00	-.01	1.8	2.3	2.7	2.1	2.4	7.8	5.7
02:00	.06	2.5	2.1	2.1	2.1	2.2	7.0	9.7
03:00	.06	2.3	3.2	3.7	2.4	2.8	8.9	5.7
04:00	.10	3.2	2.7	5.0	2.4	3.3	7.5	4.8
05:00	.00	2.3	2.7	3.4	2.4	3.7	6.9	3.7
06:00	.03	4.1	5.3	6.6	2.4	4.9	8.9	2.6
07:00	-.08	2.1	3.2	5.7	2.2	4.9	9.9	4.4
08:00	.09	6.4	4.8	5.5	6.8	6.5	20.7	18.0
09:00	.25	7.6	6.2	8.2	7.2	8.0	21.7	22.4
10:00	.41	5.5	5.5	4.8	5.7	5.7	27.1	34.7
11:00	-.62	8.9	8.2	8.0	11.1	9.1	27.5	27.9
12:00	-.30	7.8	7.6	8.5	7.8	8.9	25.4	30.7
13:00	.00	8.0	8.7	8.9	9.3	9.7	23.2	26.7
14:00	-.28	10.3	18.8	15.6	10.9	11.0	20.4	19.6
15:00	-.38	10.1	12.1	10.8	10.3	11.7	24.3	26.1
16:00	-.21	7.1	8.5	8.5	7.8	8.5	22.0	25.3
17:00	.15	5.7	5.5	6.0	6.3	7.1	24.2	23.8
18:00	-.04	5.0	6.2	6.4	5.3	6.6	14.9	6.1
19:00	.04	2.3	4.6	7.1	2.6	5.0	10.4	8.6
20:00	-.01	2.1	2.1	1.6	2.2	1.8	7.8	8.5
21:00	.05	2.5	3.4	3.7	2.7	4.0	6.5	2.4
22:00	-.01	2.3	3.0	4.8	2.8	3.2	6.3	3.1
23:00	-.01	3.7	2.1	1.1	3.0	1.5	5.3	6.4
Avg	-.03	4.8	5.5	6.0	5.0	5.7	14.7	13.8
Max	.41	10.3	18.8	15.6	11.1	11.7	27.5	34.7
Hr. of Max	10	14	14	14	11	15	11	10
Min	-.62	1.8	2.1	1.1	2.1	1.5	5.3	2.4
Count	24	24	24	24	24	24	24	24
Total								