Date Printed: 07/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2015

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	19.5	20.4	21.1	21.9	.83	1.53	2.37	.70	1.54
01:00	19.2	20.0	20.6	21.2	.87	1.48	2.08	.61	1.21
02:00	19.0	19.7	19.9	20.2	.77	.96	1.21	.19	.44
03:00	19.0	19.7	19.8	20.0	.63	.73	.93	.09	.30
04:00	18.5	19.4	19.6	19.9	.94	1.14	1.46	.20	.53
05:00	18.6	19.4	19.6	19.8	.79	.92	1.19	.12	.40
06:00	18.8	19.4	19.5	19.8	.56	.72	1.03	.16	.47
07:00	19.8	20.0	20.2	20.2	.19	.34	.35	.15	.17
08:00	22.2	21.9	21.7	21.7	-.24	-.46	-.50	-.21	-.25
09:00	24.0	23.5	23.2	23.0	-.49	-.81	-.97	-.32	-.48
10:00	25.2	24.6	24.2	24.0	-.58	-.94	-1.12	-.36	-.54
11:00	26.3	25.6	25.2	25.1	-.69	-1.08	-1.25	-.39	-.56
12:00	27.6	26.9	26.6	26.4	-.68	-1.00	-1.15	-.33	-.47
13:00	28.4	27.8	27.4	27.2	-.61	-.96	-1.13	-.35	-.52
14:00	29.2	28.5	28.2	28.0	-.63	-.96	-1.14	-.33	-.50
15:00	29.6	29.1	28.8	28.7	-.47	-.76	-.86	-.28	-.39
16:00	30.1	29.7	29.4	29.3	-.42	-.70	-.85	-.27	-.42
17:00	30.2	29.9	29.6	29.4	-.34	-.63	-.80	-.29	-.46
18:00	29.4	29.5	29.4	29.3	.12	.01	-.07	-.11	-.19
19:00	27.1	27.5	28.6	29.0	.39	1.55	1.90	1.17	1.51
20:00	25.1	26.4	26.9	27.4	1.24	1.75	2.30	.51	1.06
21:00	23.6	24.8	25.6	26.2	1.18	1.99	2.59	.81	1.41
22:00	22.6	23.6	24.4	24.8	.95	1.73	2.16	.78	1.20
23:00	22.0	23.0	23.3	23.6	1.01	1.32	1.63	.31	.62
Avg	24.0	24.2	24.3	24.4	.22	.33	.47	.11	.25
Max	30.2	29.9	29.6	29.4	1.24	1.99	2.59	1.17	1.54
Hr. of Max	17	17	17	17	20	21	21	19	00
Min	18.5	19.4	19.5	19.8	-.69	-1.08	-1.25	-.39	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2015

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	18.1	18.7	18.6	26.1	93.3	92.2	15.4	16.0	0.01343
01:00	17.9	18.6	18.3	25.8	94.4	93.5	15.2	15.9	0.013264
02:00	17.8	18.5	18.2	25.6	94.8	94.6	15.1	15.8	0.013165
03:00	17.8	18.5	18.2	25.3	94.7	94.8	15.2	15.8	0.01322
04:00	17.3	18.3	17.7	25.1	94.9	95.3	14.7	15.6	0.012791
05:00	17.6	18.4	17.9	24.9	95.5	95.8	15.0	15.7	0.013011
06:00	17.7	18.3	18.1	24.7	95.1	95.5	15.0	15.6	0.013076
07:00	18.4	18.3	18.9	24.5	93.8	91.7	15.7	15.6	0.013735
08:00	19.1	18.3	20.1	24.3	84.5	81.9	16.2	15.5	0.014282
09:00	19.0	18.3	20.7	24.2	75.5	74.5	16.1	15.5	0.01425
10:00	18.6	18.1	20.8	24.2	68.9	69.0	15.7	15.2	0.013929
11:00	18.8	18.2	21.3	24.4	65.2	65.1	15.8	15.2	0.014131
12:00	18.8	18.0	21.7	24.9	60.6	59.7	15.8	15.0	0.014133
13:00	18.9	18.3	22.0	25.6	58.0	57.9	15.8	15.3	0.014187
14:00	18.5	17.9	22.0	26.2	54.0	53.9	15.4	14.8	0.013851
15:00	17.7	17.2	21.7	26.6	50.5	50.2	14.7	14.3	0.013253
16:00	17.3	16.3	21.6	26.8	47.7	45.7	14.3	13.4	0.012912
17:00	17.3	16.4	21.6	27.0	47.2	45.6	14.2	13.5	0.012855
18:00	19.2	17.9	22.6	27.3	56.1	51.4	16.1	14.9	0.014525
19:00	20.2	19.5	22.5	27.5	67.9	63.5	17.2	16.4	0.01541
20:00	20.5	20.6	22.1	27.6	77.8	72.6	17.6	17.6	0.015718
21:00	20.7	21.3	21.7	27.5	86.0	83.2	17.9	18.5	0.015889
22:00	20.4	21.1	21.2	27.3	89.7	88.3	17.7	18.3	0.015595
23:00	20.1	20.9	20.7	27.1	91.5	90.8	17.3	18.2	0.015277
Avg	18.7	18.6	20.4	25.9	76.6	75.3	15.8	15.7	0.013995
Max	20.7	21.3	22.6	27.6	95.5	95.8	17.9	18.5	0.015889
Hr. of Max	21	21	18	20	05	05	21	21	21
Min	17.3	16.3	17.7	24.2	47.2	45.6	14.2	13.4	0.012791
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2015

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	0.013969	20.8	21.6	.00	29.09	985.0	-3.0	.00	336.0
01:00	0.013878	20.6	21.5	.00	29.07	984.5	-1.1	.00	37.5
02:00	0.013784	20.4	21.3	.00	29.05	983.9	-1.9	.00	35.2
03:00	0.01377	20.5	21.3	.00	29.04	983.3	-3.2	.00	43.0
04:00	0.013618	19.8	21.1	.00	29.04	983.3	-3.5	.00	45.1
05:00	0.013718	20.2	21.2	.00	29.04	983.6	-2.0	.00	41.3
06:00	0.013596	20.3	21.1	.00	29.07	984.5	5.3	.01	51.6
07:00	0.01358	21.3	21.0	.00	29.09	985.1	97.0	.14	56.8
08:00	0.013652	22.1	21.2	.00	29.11	985.7	319.2	.46	94.6
09:00	0.013654	22.1	21.2	.00	29.12	986.2	540.3	.77	79.2
10:00	0.013478	21.6	20.9	.00	29.13	986.4	688.4	.99	55.5
11:00	0.013539	21.9	21.0	.00	29.12	986.0	845.3	1.21	58.0
12:00	0.013377	21.9	20.8	.00	29.11	985.8	988.6	1.42	97.9
13:00	0.013662	22.0	21.2	.00	29.10	985.4	800.4	1.15	73.9
14:00	0.01332	21.5	20.7	.00	29.09	985.1	882.5	1.27	85.6
15:00	0.012814	20.5	19.9	.00	29.08	984.9	752.7	1.08	102.2
16:00	0.012053	20.0	18.7	.00	29.08	984.8	586.0	.84	119.3
17:00	0.012202	19.9	18.9	.00	29.07	984.3	510.8	.73	139.9
18:00	0.013418	22.5	20.8	.00	29.06	984.1	301.5	.43	289.2
19:00	0.014734	23.8	22.8	.00	29.07	984.3	147.1	.21	293.9
20:00	0.015779	24.3	24.4	.00	29.07	984.4	35.2	.05	295.4
21:00	0.016492	24.5	25.4	.00	29.07	984.5	-1.5	.00	322.4
22:00	0.016261	24.1	25.1	.00	29.09	985.0	-2.3	.00	312.7
23:00	0.016107	23.6	24.9	.00	29.10	985.3	-2.5	.00	3.9
Avg	0.013936	21.7	21.6	.00	29.08	984.8	311.6	.45	45.0
Max	0.016492	24.5	25.4	.00	29.13	986.4	988.6	1.42	336.0
Hr. of Max	21	21	21	23	10	10	12	12	00
Min	0.012053	19.8	18.7	.00	29.04	983.3	-3.5	.00	3.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2015

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	45.4	20.8	332.1	15.7	35.1	42.0	31.5	.7	1.1
01:00	55.6	41.8	40.6	37.0	44.7	26.7	26.6	1.1	2.3
02:00	56.8	61.7	37.2	57.9	27.5	13.6	8.0	1.5	3.1
03:00	57.3	60.2	44.1	56.4	22.6	11.0	5.8	1.8	4.1
04:00	60.4	62.4	41.6	58.2	40.8	22.3	14.1	.8	2.1
05:00	47.7	55.1	40.5	51.0	23.2	13.3	7.4	1.7	4.1
06:00	61.2	64.7	52.1	60.5	19.2	11.9	7.5	2.0	4.1
07:00	64.2	63.4	58.1	59.4	25.2	15.9	10.9	1.6	3.4
08:00	84.2	62.2	96.9	58.3	18.2	23.2	24.3	2.5	2.6
09:00	72.3	64.1	80.2	60.3	30.4	21.2	17.3	4.3	5.4
10:00	59.3	61.4	57.4	57.8	49.1	36.3	28.5	2.4	3.4
11:00	63.2	63.6	58.4	56.6	44.3	30.7	28.0	2.0	2.9
12:00	94.1	85.0	103.6	81.6	29.5	32.1	28.5	4.1	4.2
13:00	69.8	65.5	77.0	61.4	50.2	39.8	36.1	2.3	3.2
14:00	87.0	86.0	97.1	83.3	60.3	53.4	45.4	1.9	2.4
15:00	58.3	32.8	107.1	18.1	71.0	66.7	57.6	.5	.8
16:00	130.4	136.0	128.4	132.1	62.5	66.0	58.4	1.5	1.4
17:00	141.1	121.9	145.9	119.0	42.5	47.4	43.7	1.7	1.9
18:00	283.9	282.5	268.7	272.6	42.5	39.5	36.1	.1	.3
19:00	270.0	276.2	291.3	270.9	9.8	21.0	24.8	.9	1.7
20:00	230.1	213.8	294.1	215.7	10.8	10.0	7.9	1.3	1.6
21:00	142.6	206.7	318.4	195.2	27.6	26.1	47.7	.7	.2
22:00	69.0	136.4	307.7	175.1	17.8	19.1	36.3	.4	.1
23:00	63.0	80.0	5.1	73.1	29.3	8.7	14.9	.6	1.3
Avg	72.0	71.0	48.0	67.0	34.8	29.1	27.0	.0	.0
Max	283.9	282.5	332.1	272.6	71.0	66.7	58.4	4.3	5.4
Hr. of Max	18	18	00	18	15	15	16	09	09
Min	45.4	20.8	5.1	15.7	9.8	8.7	5.8	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2015

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	1.7	1.3	1.4	2.0	1.5	2.3	3.7	2.3	.09
01:00	2.7	1.7	2.7	3.1	2.1	3.4	1.7	.0	-.01
02:00	4.7	1.6	3.2	4.8	1.8	5.0	-1.8	-.8	-.09
03:00	6.2	1.9	4.2	6.2	2.1	6.5	-3.1	-1.0	-.18
04:00	3.9	1.1	2.3	4.0	1.5	4.2	-.3	-1.4	-.06
05:00	6.5	1.9	4.2	6.6	2.0	6.9	-4.2	-.7	-.22
06:00	6.0	2.2	4.3	6.1	2.4	6.3	-3.0	-2.2	-.20
07:00	5.1	1.9	3.6	5.2	2.3	5.5	-2.4	.9	-.19
08:00	3.0	2.6	2.8	3.2	3.1	3.6	4.5	6.7	.21
09:00	6.4	4.7	5.8	6.8	5.4	7.3	1.0	3.7	.00
10:00	4.2	3.3	4.1	4.8	3.8	5.3	-1.5	-.5	-.20
11:00	3.4	3.0	3.8	4.1	3.6	4.8	1.0	-5.7	-.06
12:00	4.7	4.4	4.6	5.2	5.0	5.8	-.6	2.5	-.10
13:00	3.5	3.4	4.4	4.7	4.1	5.4	2.1	.1	.03
14:00	2.6	2.9	3.4	3.5	3.5	4.2	1.3	5.6	.04
15:00	1.1	2.2	2.6	2.9	2.7	3.6	-4.5	-.7	-.21
16:00	1.3	2.0	2.0	2.1	2.7	2.7	2.8	.7	.21
17:00	2.2	2.4	2.5	2.6	3.0	3.2	-1.0	-3.2	-.06
18:00	.2	1.6	2.2	1.9	2.1	2.6	3.9	1.0	.13
19:00	1.5	.9	1.9	1.8	1.2	2.5	1.0	2.2	-.01
20:00	2.6	1.4	1.6	2.6	1.6	2.9	-1.2	-.3	-.05
21:00	.1	.7	.2	.1	1.0	.5	.0	-1.3	-.01
22:00	.0	.4	.1	.0	.7	.3	-.2	-1.1	-.01
23:00	1.4	.7	1.3	1.5	.9	1.7	1.4	-.2	.02
Avg	.0	2.1	2.9	3.6	2.5	4.0	.0	.3	-.04
Max	6.5	4.7	5.8	6.8	5.4	7.3	4.5	6.7	.21
Hr. of Max	05	09	09	09	09	09	08	08	16
Min	.0	.4	.1	.0	.7	.3	-4.5	-5.7	-.22
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/16/2015

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	.13	2.7	3.9	6.0	3.3	6.4	11.1	10.3
01:00	.02	4.1	6.0	9.8	4.3	6.3	13.7	8.7
02:00	-.08	3.7	5.5	8.2	3.6	8.6	10.4	4.2
03:00	-.12	4.6	7.1	9.2	5.9	9.6	14.5	4.1
04:00	-.11	3.7	8.7	11.0	4.1	8.8	12.3	5.2
05:00	-.12	6.0	8.2	10.3	4.8	11.0	15.7	5.0
06:00	-.28	5.7	8.5	14.0	6.4	9.7	12.5	3.8
07:00	-.09	6.2	10.5	14.7	6.0	10.3	17.8	10.6
08:00	.41	7.3	8.2	8.7	8.1	10.4	18.5	18.1
09:00	.27	11.0	11.4	13.5	11.4	15.4	17.7	14.2
10:00	-.15	9.2	9.2	13.7	10.0	10.3	23.4	21.4
11:00	-.36	9.2	9.6	10.5	9.6	12.1	26.2	23.3
12:00	.17	10.8	13.5	14.9	10.5	11.4	20.3	22.7
13:00	-.01	10.5	10.5	11.2	10.8	12.5	24.4	22.0
14:00	.31	13.3	15.6	19.2	12.7	13.7	26.0	27.1
15:00	-.17	9.4	9.6	9.2	9.1	10.9	26.1	30.4
16:00	.03	8.9	8.7	8.5	9.3	8.9	31.2	34.2
17:00	-.11	7.6	8.0	7.1	7.8	7.7	23.9	28.3
18:00	.11	5.0	6.4	6.4	6.7	7.0	20.3	21.9
19:00	.08	3.0	7.1	3.9	2.6	4.0	11.5	4.7
20:00	-.01	3.4	3.7	5.3	3.1	5.7	6.3	3.1
21:00	-.02	2.7	1.4	1.1	2.0	1.5	7.4	9.0
22:00	-.01	1.8	1.4	.0	1.6	1.0	7.9	4.4
23:00	-.01	1.8	2.5	2.3	2.0	2.6	6.9	4.0
Avg	-.01	6.3	7.7	9.1	6.5	8.6	16.9	14.2
Max	.41	13.3	15.6	19.2	12.7	15.4	31.2	34.2
Hr. of Max	08	14	14	14	14	09	16	16
Min	-.36	1.8	1.4	.0	1.6	1.0	6.3	3.1
Count	24	24	24	24	24	24	24	24
Total								