Date Printed: 09/21/2015 08:16

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2015

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	19.1	19.6	19.8	20.3	.50	.69	1.26	.19	.76
01:00	19.3	19.8	19.9	20.1	.47	.57	.81	.10	.33
02:00	18.9	19.4	19.8	20.4	.51	.92	1.49	.41	.99
03:00	18.7	19.4	19.7	20.0	.71	.96	1.29	.25	.57
04:00	18.2	19.0	19.2	19.5	.87	1.06	1.38	.19	.51
05:00	18.2	19.0	19.1	19.2	.83	.91	1.00	.08	.17
06:00	17.6	18.3	18.4	18.6	.70	.81	.95	.11	.25
07:00	17.2	18.1	18.2	18.4	.90	1.03	1.24	.13	.35
08:00	18.7	18.8	18.7	18.7	.04	-.07	-.01	-.11	-.05
09:00	20.9	20.5	20.2	20.1	-.39	-.66	-.80	-.27	-.41
10:00	22.6	21.9	21.6	21.4	-.64	-.94	-1.14	-.30	-.49
11:00	23.6	22.8	22.5	22.3	-.76	-1.12	-1.30	-.36	-.55
12:00	24.1	23.4	23.1	22.9	-.69	-1.01	-1.17	-.32	-.47
13:00	24.9	24.1	23.8	23.7	-.78	-1.08	-1.23	-.29	-.44
14:00	25.8	24.9	24.6	24.4	-.88	-1.16	-1.30	-.28	-.43
15:00	26.1	25.3	25.1	24.9	-.77	-1.04	-1.15	-.28	-.39
16:00	26.5	25.5	25.2	25.0	-.95	-1.27	-1.47	-.32	-.52
17:00	26.2	25.4	25.1	24.9	-.80	-1.12	-1.25	-.32	-.45
18:00	24.1	23.5	23.3	23.2	-.51	-.78	-.87	-.27	-.36
19:00	21.4	21.3	21.1	21.1	-.14	-.31	-.32	-.17	-.18
20:00	20.1	20.4	20.5	20.5	.27	.36	.45	.10	.18
21:00	19.1	19.6	19.8	19.9	.43	.64	.76	.21	.33
22:00	18.6	19.0	19.2	19.5	.43	.64	.87	.21	.44
23:00	18.0	18.6	18.9	19.1	.62	.89	1.12	.27	.50
Avg	21.2	21.2	21.1	21.2	.00	-.05	.03	-.04	.03
Max	26.5	25.5	25.2	25.0	.90	1.06	1.49	.41	.99
Hr. of Max	16	16	16	16	07	04	02	02	02
Min	17.2	18.1	18.2	18.4	-.95	-1.27	-1.47	-.36	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2015

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	17.3	18.2	17.9	23.3	91.5	93.6	14.7	15.5	0.012795
01:00	17.6	18.3	18.1	23.2	91.5	92.9	14.9	15.6	0.012991
02:00	17.4	18.1	17.9	23.1	92.9	94.5	14.8	15.5	0.012831
03:00	17.3	18.2	17.8	23.1	93.4	94.3	14.7	15.5	0.012797
04:00	16.9	18.0	17.3	23.0	94.4	96.0	14.4	15.4	0.012471
05:00	16.9	16.9	17.3	22.9	94.0	89.4	14.3	14.3	0.012422
06:00	16.1	16.1	16.6	22.8	92.3	88.5	13.6	13.7	0.011786
07:00	15.7	15.9	16.2	22.7	92.9	88.7	13.4	13.5	0.011534
08:00	16.4	16.0	17.2	22.6	88.1	85.7	13.9	13.6	0.012034
09:00	16.7	16.2	18.1	22.6	78.4	77.8	14.0	13.6	0.012247
10:00	16.6	16.2	18.6	22.5	70.7	71.6	13.9	13.6	0.01223
11:00	16.7	16.3	19.0	22.6	66.7	68.3	13.9	13.7	0.012271
12:00	17.1	16.8	19.4	22.6	66.4	68.1	14.3	14.1	0.012625
13:00	17.0	16.8	19.7	22.8	63.2	65.3	14.2	14.1	0.012596
14:00	17.6	17.3	20.3	22.9	62.4	64.2	14.7	14.4	0.013092
15:00	17.8	17.6	20.6	23.1	61.8	63.8	14.9	14.7	0.013244
16:00	17.8	17.5	20.7	23.2	60.3	62.8	14.8	14.6	0.013225
17:00	17.5	17.4	20.4	23.4	60.2	62.7	14.6	14.5	0.012977
18:00	17.2	17.2	19.5	23.5	67.1	69.3	14.4	14.4	0.012706
19:00	17.0	17.2	18.5	23.6	77.8	79.4	14.3	14.5	0.012571
20:00	17.0	17.1	18.0	23.6	83.9	83.5	14.3	14.5	0.012491
21:00	16.8	17.0	17.6	23.6	88.0	86.7	14.2	14.4	0.01234
22:00	16.4	16.4	17.1	23.6	88.8	86.4	13.9	13.9	0.012042
23:00	16.0	15.8	16.7	23.5	89.7	85.2	13.6	13.4	0.011713
Avg	17.0	17.0	18.4	23.1	79.9	79.9	14.3	14.4	0.012501
Max	17.8	18.3	20.7	23.6	94.4	96.0	14.9	15.6	0.013244
Hr. of Max	16	01	16	22	04	04	15	01	15
Min	15.7	15.8	16.2	22.5	60.2	62.7	13.4	13.4	0.011534
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2015

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	0.013504	19.8	20.9	.00	29.05	983.8	-1.6	.00	252.5
01:00	0.013592	20.1	21.0	.00	29.04	983.5	-3.3	.00	340.2
02:00	0.013482	19.9	20.9	.00	29.05	983.7	-2.4	.00	265.9
03:00	0.013504	19.8	20.9	.00	29.05	983.8	-1.3	.00	336.3
04:00	0.013394	19.3	20.7	.00	29.06	984.0	-.9	.00	1.2
05:00	0.01245	19.3	19.3	.00	29.07	984.3	-1.2	.00	40.9
06:00	0.011821	18.3	18.4	.00	29.08	984.7	-.8	.00	36.0
07:00	0.011661	17.9	18.1	.00	29.09	985.2	9.9	.01	33.7
08:00	0.011741	18.7	18.3	.00	29.10	985.6	129.0	.18	68.3
09:00	0.011878	19.0	18.5	.00	29.11	985.8	319.9	.46	69.7
10:00	0.011911	19.0	18.5	.00	29.12	986.1	451.5	.65	74.8
11:00	0.011988	19.1	18.6	.00	29.12	986.2	559.3	.80	87.3
12:00	0.012407	19.6	19.3	.00	29.11	985.8	461.7	.66	49.7
13:00	0.012413	19.6	19.3	.00	29.09	985.2	554.5	.79	18.7
14:00	0.012784	20.3	19.8	.00	29.07	984.5	501.9	.72	292.6
15:00	0.01307	20.5	20.3	.00	29.06	984.0	460.9	.66	261.3
16:00	0.013028	20.5	20.2	.00	29.05	983.8	547.4	.78	314.3
17:00	0.012881	20.1	20.0	.00	29.05	983.8	336.2	.48	290.7
18:00	0.012727	19.7	19.7	.00	29.06	984.0	137.0	.20	279.7
19:00	0.012723	19.5	19.7	.00	29.07	984.5	7.1	.01	304.0
20:00	0.012638	19.4	19.6	.00	29.09	985.0	-1.3	.00	321.1
21:00	0.012483	19.2	19.4	.00	29.10	985.4	-2.9	.00	355.0
22:00	0.012036	18.7	18.7	.00	29.10	985.5	-3.4	.00	327.4
23:00	0.01156	18.2	18.0	.00	29.10	985.4	-3.5	-.01	335.6
Avg	0.01257	19.4	19.5	.00	29.08	984.7	185.6	.27	347.0
Max	0.013592	20.5	21.0	.00	29.12	986.2	559.3	.80	355.0
Hr. of Max	01	16	01	23	11	11	11	11	21
Min	0.01156	17.9	18.0	.00	29.04	983.5	-3.5	-.01	1.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2015

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	189.3	228.4	243.8	219.6	42.0	41.3	31.3	1.1	.9
01:00	100.5	83.2	350.5	85.2	56.8	33.7	45.8	.2	.4
02:00	54.6	315.2	260.9	317.8	41.7	52.9	38.8	.7	.4
03:00	72.6	90.3	350.6	92.0	47.9	14.7	26.7	.3	.9
04:00	92.3	92.8	10.1	90.4	48.9	14.5	15.7	.4	1.0
05:00	65.8	74.0	42.3	70.8	16.1	12.4	11.1	2.2	3.7
06:00	54.8	64.6	38.7	61.2	17.3	9.4	7.8	2.2	4.3
07:00	62.0	59.1	41.5	55.7	25.1	10.7	7.8	1.4	3.1
08:00	67.7	56.4	73.3	53.1	34.2	20.0	14.6	1.0	2.0
09:00	61.5	54.9	71.9	52.4	27.5	21.2	15.5	2.9	3.7
10:00	66.0	58.4	79.5 +	55.5	29.7	26.4	23.9	3.8	4.2
11:00	81.1	74.7	87.4	70.9	42.1	33.7	22.2	3.1	3.4
12:00	50.5	45.6	57.5	42.3	44.6	35.0	36.3	1.5	2.2
13:00	9.8	357.1	20.8	354.0	60.9	49.7	38.4	.9	1.6
14:00	331.8	333.6	288.6	329.0	50.6	45.7	40.7	1.5	1.6
15:00	286.7	280.6	260.5	279.5	57.8	50.5	42.8	1.4	1.9
16:00	330.4	324.5	318.0	319.5	48.6	42.4	30.5	2.5	3.5
17:00	294.4	294.0	292.9	291.7	36.8	29.3	27.0	3.6	4.8
18:00	292.4	297.4	283.0	295.1	26.9	22.3	16.6	3.7	5.2
19:00	312.7	310.8	304.4	307.2	38.3	27.5	16.9	1.6	3.1
20:00	340.1	343.3	321.3	338.5	21.0	12.8	10.9	2.0	3.5
21:00	50.9	61.0	356.1	57.8	54.1	27.3	20.2	1.1	2.5
22:00	49.3	54.6	328.9	51.4	31.4	24.3	11.4	.9	2.1
23:00	49.6	61.0	338.7	58.0	39.8	16.7	9.8	.9	2.4
Avg	38.0	29.0	351.0	27.0	39.2	28.1	23.4	.0	.0
Max	340.1	357.1	356.1	354.0	60.9	52.9	45.8	3.8	5.2
Hr. of Max	20	13	21	13	13	02	01	10	18
Min	9.8	45.6	10.1	42.3	16.1	9.4	7.8	.2	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2015

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	1.4	1.2	1.0	1.4	1.5	1.7	.7	.2	-.02
01:00	.6	.4	.9	1.3	.7	1.6	.7	-.7	.01
02:00	.6	.9	1.1	.8	1.3	1.1	1.7	.8	.03
03:00	1.0	.7	.9	1.1	1.0	1.4	3.1	2.7	.05
04:00	2.5	.6	1.0	2.6	.9	2.9	1.1	2.2	.00
05:00	4.9	2.3	3.8	5.0	2.5	5.3	-5.1	2.3	-.28
06:00	5.5	2.3	4.4	5.6	2.5	5.8	-6.8	-.2	-.34
07:00	4.4	1.5	3.2	4.5	1.7	4.7	-4.1	.2	-.19
08:00	3.2	1.3	2.1	3.3	1.6	3.5	-1.6	.5	-.03
09:00	4.6	3.2	3.9	4.7	3.7	5.1	3.4	4.0	.08
10:00	4.7	4.3	4.6	5.1	4.8	5.6	2.1	7.3	.11
11:00	3.9	3.7	3.8	4.2	4.2	4.7	-1.2	-3.9	-.18
12:00	2.5	2.4	2.8	3.0	3.0	3.7	2.7	1.3	.08
13:00	1.9	2.4	2.7	2.8	2.9	3.4	-4.8	-.3	-.22
14:00	1.7	2.2	2.4	2.4	2.8	3.1	-4.5	-5.8	-.22
15:00	2.4	2.7	3.2	3.5	3.2	4.1	-.3	3.1	-.14
16:00	4.0	3.5	4.2	4.6	4.0	4.9	-4.1	-7.4	-.41
17:00	5.6	4.3	5.3	6.0	4.6	6.4	-2.6	.8	-.41
18:00	6.5	4.0	5.5	6.7	4.5	6.9	-1.5	-2.4	-.29
19:00	5.5	2.0	3.4	5.7	2.3	5.6	.0	-2.8	-.10
20:00	4.3	2.2	3.8	4.7	2.4	4.9	-2.5	-1.4	-.13
21:00	2.9	1.4	2.6	3.2	1.6	3.4	-3.1	1.5	-.16
22:00	3.3	1.5	2.2	3.4	1.8	3.6	-2.2	1.2	-.10
23:00	3.9	1.2	2.5	4.0	1.4	4.2	-1.0	1.1	-.07
Avg	.0	2.2	3.0	3.7	2.5	4.1	-1.2	.2	-.12
Max	6.5	4.3	5.5	6.7	4.8	6.9	3.4	7.3	.11
Hr. of Max	18	17	18	18	10	18	09	10	10
Min	.6	.4	.9	.8	.7	1.1	-6.8	-7.4	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/20/2015

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	.02	4.4	4.6	4.6	3.4	4.3	8.4	9.7
01:00	.00	3.2	3.7	4.4	3.3	4.5	10.7	9.5
02:00	.02	3.7	3.4	3.7	4.0	2.6	8.0	8.1
03:00	.07	2.3	2.7	2.5	2.5	2.8	8.3	12.0
04:00	.12	3.2	5.7	8.2	3.9	8.7	10.5	9.6
05:00	.16	5.5	7.6	10.1	6.6	10.8	10.6	9.1
06:00	-.03	5.0	8.2	10.3	5.3	11.1	10.8	6.1
07:00	-.01	4.1	7.3	7.8	4.2	7.3	12.8	4.6
08:00	.00	3.9	4.4	6.2	4.2	6.6	18.0	9.2
09:00	.14	8.0	10.8	10.1	9.7	11.3	20.7	16.8
10:00	.52	10.3	14.9	15.1	11.7	11.2	19.3	21.6
11:00	-.23	9.4	10.5	11.7	9.1	9.5	22.7	20.4
12:00	.12	6.6	7.8	12.1	8.0	9.0	27.7	28.8
13:00	-.06	7.8	8.2	7.3	8.5	8.9	27.1	29.1
14:00	-.39	8.0	6.9	6.6	8.8	8.0	28.3	31.2
15:00	.13	9.2	9.2	9.4	9.4	14.4	24.6	27.2
16:00	-.69	11.2	10.5	11.2	10.0	11.2	23.6	22.7
17:00	-.22	11.2	15.8	12.6	11.7	12.4	21.8	20.4
18:00	-.55	11.2	12.1	12.4	11.0	13.8	19.2	14.9
19:00	-.41	6.2	10.8	17.2	6.5	10.9	20.7	11.1
20:00	-.11	5.0	6.0	7.8	4.9	8.0	9.6	4.5
21:00	.08	3.9	4.8	7.1	4.3	6.2	14.7	8.0
22:00	.04	4.6	6.0	7.1	3.6	7.5	11.6	7.9
23:00	.04	4.1	6.2	7.3	4.3	8.1	11.9	7.8
Avg	-.05	6.3	7.8	8.9	6.6	8.7	16.7	14.6
Max	.52	11.2	15.8	17.2	11.7	14.4	28.3	31.2
Hr. of Max	10	18	17	19	17	15	14	14
Min	-.69	2.3	2.7	2.5	2.5	2.6	8.0	4.5
Count	24	24	24	24	24	24	24	24
Total								