Date Printed: 04/15/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2015

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	17.9	18.6	18.7	18.9	.61	.77	.97	.16	.37
01:00	17.8	18.1	18.2	18.4	.35	.45	.62	.09	.27
02:00	17.8	18.0	18.0	18.1	.22	.19	.26	-.03	.04
03:00	17.7	17.9	17.8	17.8	.15	.10	.14	-.06	-.01
04:00	17.6	17.8	17.8	17.8	.20	.15	.18	-.05	-.02
05:00	17.5	17.7	17.7	17.7	.21	.18	.26	-.02	.06
06:00	17.6	17.9	17.8	17.8	.32	.25	.25	-.08	-.07
07:00	17.6	17.9	17.8	17.8	.24	.17	.20	-.06	-.03
08:00	17.7	17.8	17.8	17.8	.13	.09	.10	-.04	-.03
09:00	18.1	18.0	17.9	17.9	-.05	-.20	-.17	-.15	-.13
10:00	18.6	18.5	18.3	18.3	-.11	-.28	-.28	-.17	-.17
11:00	19.4	19.2	19.0	19.1	-.16	-.34	-.32	-.18	-.16
12:00	21.4	21.0	20.7	20.7	-.41	-.66	-.70	-.24	-.28
13:00	22.5	22.2	22.0	22.0	-.28	-.49	-.52	-.21	-.24
14:00	23.2	23.1	22.9	22.8	-.16	-.32	-.40	-.16	-.24
15:00	23.2	23.1	22.9	22.9	-.13	-.33	-.37	-.20	-.25
16:00	23.1	23.0	22.8	22.8	-.08	-.29	-.32	-.21	-.24
17:00	23.2	23.0	22.8	22.8	-.11	-.32	-.36	-.21	-.25
18:00	22.2	22.1	21.9	21.8	-.13	-.33	-.39	-.20	-.26
19:00	21.0	21.3	21.2	21.2	.30	.15	.14	-.14	-.16
20:00	19.3	20.0	20.0	20.0	.71	.69	.71	-.02	.00
21:00	17.4	18.8	19.2	19.3	1.44	1.78	1.94	.34	.50
22:00	16.8	18.0	18.7	19.0	1.20	1.90	2.20	.69	1.00
23:00	16.8	17.6	17.8	18.1	.83	1.04	1.36	.21	.53
Avg	19.4	19.6	19.6	19.6	.22	.18	.23	-.04	.01
Max	23.2	23.1	22.9	22.9	1.44	1.90	2.20	.69	1.00
Hr. of Max	17	15	15	15	21	22	22	22	22
Min	16.8	17.6	17.7	17.7	-.41	-.66	-.70	-.24	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2015

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	17.0	17.2	17.3	17.5	96.4	93.9	14.5	14.6	0.012509
01:00	17.0	17.4	17.2	17.4	97.3	97.5	14.5	14.8	0.012481
02:00	17.1	17.5	17.4	17.3	97.9	98.6	14.6	14.9	0.012606
03:00	17.1	17.3	17.3	17.3	97.9	98.5	14.5	14.7	0.012542
04:00	17.0	17.2	17.2	17.2	97.9	98.4	14.4	14.7	0.012476
05:00	16.8	17.1	17.0	17.2	97.9	98.6	14.3	14.6	0.012368
06:00	16.9	17.3	17.1	17.1	97.9	98.1	14.4	14.7	0.012436
07:00	17.0	17.2	17.2	17.1	97.9	97.8	14.4	14.6	0.012476
08:00	17.1	17.2	17.3	17.1	97.9	98.2	14.5	14.7	0.012549
09:00	17.4	17.4	17.6	17.1	98.0	98.4	14.8	14.9	0.012835
10:00	17.8	17.8	18.1	17.1	97.3	98.0	15.2	15.2	0.013184
11:00	18.5	18.5	18.8	17.2	96.7	97.8	15.8	15.8	0.013748
12:00	19.3	18.8	20.0	17.3	89.9	89.8	16.5	16.1	0.014473
13:00	18.5	18.2	19.9	17.6	80.3	79.6	15.7	15.3	0.013835
14:00	17.8	17.5	19.6	18.0	73.4	72.6	15.0	14.7	0.013236
15:00	16.9	16.6	19.0	18.3	69.2	68.3	14.2	13.9	0.01248
16:00	17.1	16.9	19.1	18.6	70.8	70.1	14.4	14.2	0.012662
17:00	17.3	17.1	19.3	18.7	71.3	70.7	14.5	14.3	0.012801
18:00	17.0	17.0	18.7	18.8	74.1	74.5	14.3	14.3	0.012564
19:00	16.8	16.7	18.2	18.9	78.7	76.8	14.2	14.1	0.012391
20:00	16.3	16.1	17.3	18.9	84.7	80.2	13.8	13.6	0.011955
21:00	15.9	15.8	16.4	18.8	92.8	84.1	13.5	13.4	0.011638
22:00	15.6	15.6	16.0	18.6	94.4	87.7	13.3	13.2	0.011392
23:00	15.6	15.7	16.0	18.4	94.6	90.6	13.3	13.4	0.011388
Avg	17.1	17.1	17.9	17.8	89.4	88.3	14.5	14.5	0.012626
Max	19.3	18.8	20.0	18.9	98.0	98.6	16.5	16.1	0.014473
Hr. of Max	12	12	12	20	09	05	12	12	12
Min	15.6	15.6	16.0	17.1	69.2	68.3	13.3	13.2	0.011388
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2015

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	0.012669	19.5	19.7	.00	29.16	987.5	-3.7	-.01	3.5
01:00	0.012783	19.4	19.9	.12	29.16	987.4	-1.9	.00	254.6
02:00	0.012866	19.6	20.0	.06	29.13	986.7	-1.2	.00	29.6
03:00	0.012739	19.5	19.8	.00	29.11	985.7	-2.8	.00	55.6
04:00	0.012694	19.4	19.7	.00	29.10	985.3	-.8	.00	13.5
05:00	0.012618	19.2	19.6	.04	29.09	985.3	-3.6	-.01	84.9
06:00	0.012721	19.3	19.7	.01	29.09	985.1	-3.6	-.01	74.6
07:00	0.012648	19.4	19.6	.02	29.10	985.3	1.3	.00	34.3
08:00	0.012689	19.5	19.7	.01	29.10	985.6	18.4	.03	13.4
09:00	0.01286	19.9	20.0	.14	29.10	985.6	48.0	.07	61.1
10:00	0.013181	20.5	20.5	.01	29.10	985.6	90.5	.13	218.7
11:00	0.013774	21.3	21.4	.00	29.11	985.7	141.9	.20	229.1
12:00	0.014084	22.4	21.8	.01	29.09	985.2	490.4	.70	227.4
13:00	0.013493	21.4	20.9	.00	29.09	985.3	390.9	.56	224.7
14:00	0.012966	20.5	20.1	.00	29.09	985.2	331.2	.47	231.8
15:00	0.012236	19.4	19.0	.00	29.08	985.0	288.2	.41	230.9
16:00	0.012466	19.6	19.3	.00	29.08	984.8	177.9	.26	226.0
17:00	0.012615	19.9	19.6	.00	29.07	984.6	203.2	.29	235.4
18:00	0.01252	19.5	19.4	.00	29.08	984.8	163.3	.23	302.3
19:00	0.012319	19.2	19.1	.00	29.09	985.1	52.0	.07	325.5
20:00	0.011833	18.6	18.4	.00	29.11	985.8	-1.1	.00	283.1
21:00	0.011552	18.1	18.0	.00	29.13	986.6	-2.7	.00	271.9
22:00	0.011407	17.8	17.8	.00	29.15	987.2	-1.4	.00	281.8
23:00	0.011505	17.7	17.9	.00	29.15	987.1	-1.5	.00	36.2
Avg	0.012635	19.6	19.6	.02	29.11	985.7	98.9	.14	299.0
Max	0.014084	22.4	21.8	.14	29.16	987.5	490.4	.70	325.5
Hr. of Max	12	12	12	09	01	00	12	12	19
Min	0.011407	17.7	17.8	.00	29.07	984.6	-3.7	-.01	3.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2015

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	42.1	61.9	354.4	57.6	45.1	32.4	17.2	.6	1.2
01:00	236.8	204.7	258.2	209.7	32.5	39.0	48.3	.9	1.5
02:00	55.0	66.8	23.6	61.1	57.4	47.9	36.8	.7	1.2
03:00	55.3	55.7	54.2	49.9	23.7	18.5	13.2	.6	1.3
04:00	46.4	63.3	12.3	58.7	29.2	18.6	17.7	.8	1.5
05:00	90.6	96.4	68.8	90.6	42.4	40.2	14.4	.3	1.1
06:00	86.2	92.7	78.2	89.1	20.9	13.7	12.1	1.5	2.9
07:00	65.1	80.1	31.7	76.7	47.6	40.9	29.4	.3	1.0
08:00	50.5	74.5	8.1	69.1	37.2	35.1	30.3	.6	1.0
09:00	86.7	109.6	65.2	105.8	46.7	37.3	28.3	.4	1.0
10:00	210.2	200.5	225.6	201.8	33.9	28.5	20.5	1.5	2.4
11:00	230.5	224.0	233.4	226.0	23.5	17.1	12.2	3.0	4.7
12:00	232.5	230.9	232.7	232.5	24.8	21.4	17.3	3.9	5.0
13:00	227.8	227.6	229.0	229.6	24.5	17.2	14.2	6.1	8.4
14:00	235.4	233.4	237.0	235.5	21.2	16.0	12.6	7.7	11.0
15:00	235.3	232.6	235.7	234.8	20.8	15.3	11.5	7.0	10.2
16:00	231.1	230.8	232.1	233.1	19.0	13.3	10.5	5.8	8.2
17:00	241.2	240.7	241.1	242.5	22.3	17.7	15.2	4.7	6.5
18:00	311.2	309.0	301.7	305.6	32.1	28.7	26.2	2.9	4.1
19:00	327.5	319.6	325.6	315.7	39.7	34.4	31.1	1.8	2.6
20:00	279.9	301.5	280.6	298.0	56.2	42.9	53.2	.9	1.4
21:00	269.8	295.2	271.9	293.7	25.3	24.1	25.9	1.0	1.3
22:00	264.7	278.6	272.7	277.0	51.5	33.0	34.0	.7	.6
23:00	58.7	38.7	40.6	34.3	51.1	20.9	16.5	1.1	2.6
Avg	275.0	231.0	300.0	260.0	34.5	27.3	22.9	.0	.0
Max	327.5	319.6	354.4	315.7	57.4	47.9	53.2	7.7	11.0
Hr. of Max	19	19	00	19	02	02	20	14	14
Min	42.1	38.7	8.1	34.3	19.0	13.3	10.5	.3	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2015

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	2.0	.7	1.2	2.1	1.1	2.4	.5	.3	-.02
01:00	1.7	1.6	2.0	2.1	2.0	2.5	-1.2	-.3	-.07
02:00	1.3	.9	1.3	1.5	1.4	1.9	-2.2	-2.4	-.09
03:00	2.0	.7	1.5	2.1	1.1	2.5	-2.2	-2.3	-.06
04:00	1.7	.9	1.6	1.8	1.2	2.1	-2.6	-2.1	-.10
05:00	2.0	.4	1.2	2.0	.9	2.3	1.6	2.4	.03
06:00	3.4	1.6	3.0	3.5	2.0	3.8	1.5	-1.6	-.02
07:00	1.3	.9	1.3	1.4	1.3	1.8	1.7	-3.2	.02
08:00	1.3	.8	1.0	1.4	1.1	1.7	.9	-1.0	.00
09:00	1.6	.7	1.3	2.1	1.2	2.4	2.1	.6	.03
10:00	3.8	1.7	2.6	4.0	2.2	4.4	1.5	-2.1	.01
11:00	6.5	3.3	5.0	6.7	3.8	7.2	1.9	1.5	-.03
12:00	6.0	4.3	5.4	6.3	4.8	6.9	2.8	.1	.01
13:00	9.8	6.5	8.8	10.1	7.1	10.9	1.1	1.1	-.14
14:00	13.3	8.2	11.4	13.6	9.1	14.6	.3	1.6	-.27
15:00	12.6	7.4	10.5	12.8	8.2	13.7	-.7	.6	-.38
16:00	9.8	6.1	8.4	9.9	6.7	10.7	1.2	-.3	-.10
17:00	7.8	5.1	6.9	8.1	5.8	8.7	.0	.5	-.18
18:00	5.2	3.5	4.6	5.6	4.0	6.0	-4.3	-1.9	-.48
19:00	3.0	2.1	3.0	3.4	2.7	3.9	-3.0	1.7	-.29
20:00	2.4	1.1	1.8	2.7	1.6	3.1	3.6	-2.8	.05
21:00	2.0	1.1	1.6	2.2	1.4	2.4	-1.3	-.2	-.06
22:00	1.3	1.1	1.5	2.1	1.4	2.4	.7	1.2	.00
23:00	3.3	1.3	2.7	3.7	1.7	4.0	-.8	-.2	-.05
Avg	.0	2.6	3.7	4.6	3.1	5.1	.1	-.4	-.09
Max	13.3	8.2	11.4	13.6	9.1	14.6	3.6	2.4	.05
Hr. of Max	14	14	14	14	14	14	20	05	20
Min	1.3	.4	1.0	1.4	.9	1.7	-4.3	-3.2	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2015

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	.00	3.7	3.4	5.3	2.9	4.4	9.0	5.8
01:00	.01	4.1	4.6	5.3	4.6	5.8	6.8	7.6
02:00	-.07	4.6	3.2	3.4	3.6	3.9	12.1	10.6
03:00	-.09	2.3	3.7	4.6	2.6	4.8	11.5	6.9
04:00	-.08	2.5	4.8	7.3	3.1	4.5	11.5	8.4
05:00	.09	2.5	3.4	5.0	2.7	5.3	11.4	9.1
06:00	-.10	4.6	6.4	6.4	5.5	7.0	13.8	9.2
07:00	-.08	4.8	7.3	7.1	3.4	5.7	14.1	17.4
08:00	-.03	2.1	2.3	3.0	2.5	3.2	11.6	11.5
09:00	.04	4.6	4.8	6.6	4.9	7.1	17.7	13.4
10:00	-.21	7.3	7.6	12.6	5.4	11.8	21.6	15.0
11:00	.11	8.2	11.4	14.4	11.0	15.0	16.4	9.1
12:00	-.14	12.6	15.3	14.4	13.7	15.8	18.8	13.5
13:00	.08	16.3	18.1	21.1	16.1	19.0	15.5	9.2
14:00	.18	20.4	26.8	30.2	20.6	31.4	15.4	9.9
15:00	-.01	19.0	22.9	22.0	18.3	24.4	16.2	8.4
16:00	-.13	18.8	24.7	28.4	18.2	18.8	15.4	8.1
17:00	-.03	13.3	21.3	24.5	14.0	16.0	14.9	9.5
18:00	-.44	10.8	12.4	19.5	12.3	15.3	21.4	18.4
19:00	-.15	11.7	12.1	12.6	15.2	13.9	21.6	21.9
20:00	-.38	7.8	11.4	13.7	8.9	14.3	22.2	26.1
21:00	-.07	3.7	5.5	7.6	4.0	8.0	12.5	13.9
22:00	.05	3.0	4.1	6.2	3.3	6.6	12.4	11.7
23:00	-.06	4.6	6.4	6.9	5.1	7.3	12.2	5.8
Avg	-.06	8.1	10.2	12.0	8.4	11.2	14.8	11.7
Max	.18	20.4	26.8	30.2	20.6	31.4	22.2	26.1
Hr. of Max	14	14	14	14	14	14	20	20
Min	-.44	2.1	2.3	3.0	2.5	3.2	6.8	5.8
Count	24	24	24	24	24	24	24	24
Total								