Date Printed: 09/07/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2014

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	22.5	22.8	23.3	23.5	.37	.81	1.06	.45	.69
01:00	22.5	22.6	22.9	23.4	.15	.47	.94	.32	.79
02:00	22.4	22.5	22.6	22.9	.10	.22	.50	.12	.40
03:00	22.0	22.3	22.4	22.6	.22	.36	.56	.14	.34
04:00	21.9	22.2	22.4	22.6	.26	.53	.69	.27	.43
05:00	21.8	22.1	22.3	22.5	.29	.49	.70	.20	.42
06:00	21.6	21.9	22.1	22.3	.26	.52	.71	.26	.45
07:00	21.4	21.6	21.9	22.2	.19	.47	.72	.28	.53
08:00	22.4	22.2	22.0	22.2	-.25	-.36	-.21	-.11	.04
09:00	23.7	23.4	23.2	23.1	-.30	-.49	-.54	-.20	-.25
10:00	25.2	24.8	24.6	24.5	-.43	-.65	-.72	-.22	-.29
11:00	26.8	26.2	26.0	25.9	-.60	-.78	-.82	-.18	-.22
12:00	27.3	26.7	26.6	26.5	-.51	-.70	-.77	-.19	-.26
13:00	28.7	28.0	27.7	27.6	-.72	-.96	-1.09	-.24	-.37
14:00	29.7	28.7	28.5	28.4	-.93	-1.21	-1.27	-.28	-.34
15:00	30.5	29.7	29.3	29.2	-.83	-1.18	-1.26	-.35	-.44
16:00	30.1	29.5	29.4	29.4	-.63	-.71	-.72	-.08	-.09
17:00	29.3	29.0	29.1	29.2	-.27	-.23	-.14	.04	.13
18:00	25.0	25.1	25.1	25.3	.05	.08	.23	.04	.18
19:00	22.1	22.1	22.4	22.9	.01	.28	.73	.27	.72
20:00	21.7	22.0	22.0	22.2	.21	.29	.41	.08	.20
21:00	21.2	21.4	21.7	22.1	.16	.46	.94	.30	.78
22:00	20.7	21.1	21.4	21.7	.33	.63	.96	.29	.62
23:00	20.5	20.9	21.1	21.4	.39	.63	.86	.23	.47
Avg	24.2	24.1	24.2	24.3	-.10	-.04	.10	.06	.21
Max	30.5	29.7	29.4	29.4	.39	.81	1.06	.45	.79
Hr. of Max	15	15	16	16	23	00	00	00	01
Min	20.5	20.9	21.1	21.4	-.93	-1.21	-1.27	-.35	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2014

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	21.0	21.5	21.5	26.8	93.8	94.8	18.3	18.8	0.016086
01:00	21.0	21.4	21.5	26.6	93.9	95.4	18.3	18.7	0.016127
02:00	21.0	21.3	21.4	26.4	94.0	95.1	18.2	18.6	0.016078
03:00	20.7	21.1	21.1	26.3	94.5	95.8	18.0	18.4	0.015821
04:00	20.6	21.0	21.0	26.1	94.6	95.4	17.9	18.3	0.015723
05:00	20.5	20.8	20.9	26.0	94.8	94.9	17.8	18.1	0.015624
06:00	20.3	20.7	20.7	25.8	94.6	95.5	17.6	18.0	0.015411
07:00	20.2	20.5	20.6	25.7	94.9	95.9	17.5	17.8	0.015309
08:00	20.8	20.8	21.3	25.6	93.0	94.3	18.1	18.0	0.015906
09:00	21.1	20.9	22.0	25.5	87.8	88.2	18.3	18.1	0.016212
10:00	20.9	20.3	22.4	25.5	79.1	78.3	18.0	17.4	0.016044
11:00	20.5	20.2	22.6	25.7	70.7	71.5	17.6	17.2	0.015699
12:00	20.5	19.9	22.7	26.0	68.3	68.0	17.5	16.9	0.015629
13:00	20.4	19.8	23.2	26.3	62.7	63.1	17.3	16.8	0.015599
14:00	20.0	19.6	23.2	26.8	57.9	59.6	16.9	16.5	0.015254
15:00	19.5	19.0	23.2	27.3	53.5	54.4	16.3	15.9	0.014814
16:00	20.5	19.9	23.7	27.7	58.2	58.0	17.4	16.8	0.015758
17:00	20.9	20.2	23.7	27.9	62.7	61.0	17.8	17.1	0.01613
18:00	20.1	19.9	21.8	28.1	76.9	75.6	17.3	17.0	0.015374
19:00	20.7	20.6	21.2	27.8	94.1	93.2	18.0	17.8	0.015871
20:00	20.4	20.5	20.8	27.5	94.2	94.0	17.6	17.8	0.015523
21:00	20.0	20.3	20.4	27.3	95.3	95.9	17.3	17.6	0.015161
22:00	19.6	20.0	20.0	27.0	95.5	95.9	16.9	17.3	0.014761
23:00	19.4	19.9	19.8	26.7	95.6	96.0	16.7	17.1	0.014572
Avg	20.4	20.4	21.7	26.6	83.4	83.7	17.6	17.6	0.015604
Max	21.1	21.5	23.7	28.1	95.6	96.0	18.3	18.8	0.016212
Hr. of Max	09	00	17	18	23	23	09	00	09
Min	19.4	19.0	19.8	25.5	53.5	54.4	16.3	15.9	0.014572
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)

9/6/2014

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	0.016622	24.9	25.7	.00	29.19	988.6	-2.6	.00	300.2
01:00	0.016524	25.0	25.6	.00	29.18	988.1	-3.0	.00	303.3
02:00	0.016376	24.9	25.3	.00	29.17	987.7	-2.5	.00	286.7
03:00	0.016261	24.5	25.2	.00	29.15	987.3	-1.5	.00	273.4
04:00	0.016096	24.3	24.9	.00	29.15	987.3	-1.8	.00	303.9
05:00	0.01592	24.2	24.6	.00	29.15	987.2	-3.1	.00	318.5
06:00	0.015798	23.9	24.5	.00	29.16	987.4	-2.9	.00	271.9
07:00	0.015656	23.7	24.3	.00	29.17	987.8	16.5	.02	266.3
08:00	0.015881	24.6	24.6	.00	29.17	988.0	100.9	.14	223.7
09:00	0.015995	25.1	24.8	.00	29.17	987.9	220.2	.32	238.2
10:00	0.015476	24.8	24.0	.00	29.17	988.0	402.3	.58	204.3
11:00	0.015328	24.3	23.8	.00	29.17	987.9	470.5	.67	273.7
12:00	0.015091	24.2	23.4	.00	29.16	987.5	483.0	.69	203.0
13:00	0.015058	24.1	23.3	.00	29.14	986.8	774.3	1.11	240.6
14:00	0.01488	23.6	23.0	.00	29.11	985.9	856.1	1.23	185.7
15:00	0.014339	22.9	22.2	.00	29.09	985.0	798.3	1.14	234.5
16:00	0.015148	24.3	23.4	.00	29.07	984.5	420.1	.60	289.0
17:00	0.015454	24.9	23.9	.00	29.07	984.3	236.3	.34	260.0
18:00	0.015113	23.8	23.4	.35	29.10	985.3	28.3	.04	22.5
19:00	0.015733	24.5	24.3	.01	29.09	985.1	34.9	.05	9.5
20:00	0.01568	24.0	24.2	.00	29.11	985.8	-1.7	.00	33.5
21:00	0.015414	23.5	23.9	.00	29.13	986.7	-2.1	.00	281.4
22:00	0.015135	22.9	23.4	.00	29.14	986.9	-2.5	.00	330.7
23:00	0.015003	22.6	23.2	.00	29.14	987.0	-2.5	.00	5.3
Avg	0.015583	24.1	24.1	.02	29.14	986.8	200.6	.29	280.0
Max	0.016622	25.1	25.7	.35	29.19	988.6	856.1	1.23	330.7
Hr. of Max	00	09	00	18	00	00	14	14	22
Min	0.014339	22.6	22.2	.00	29.07	984.3	-3.1	.00	5.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2014

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	274.2	225.7	289.7	226.3	54.6	48.2	19.3	.8	1.1
01:00	217.3	248.0	292.8	248.9	36.2	49.5	28.0	.8	.4
02:00	227.0	210.4	272.1	209.9	46.5	16.4	46.8	.7	1.1
03:00	244.3	204.4	269.7	209.8	49.3	33.7	25.2	.9	1.3
04:00	278.0	238.5	291.8	236.7	55.9	35.2	33.5	.4	.9
05:00	335.2	233.0	309.8	260.1	25.8	37.4	41.5	.7	.9
06:00	32.9	54.8	266.8	56.9	46.3	48.7	24.4	.7	.4
07:00	259.2	254.2	263.1	237.8	19.2	31.1	57.2	1.2	.6
08:00	221.7	181.8	227.0	172.4	52.0	42.7	50.1	.8	.8
09:00	222.4	213.3	238.9	213.9	47.0	55.0	63.7	.7	.7
10:00	193.0	210.6	209.4	206.2	40.4	42.2	44.2	1.1	1.2
11:00	257.4	261.0	271.3	261.2	57.2	35.5	29.8	1.6	2.3
12:00	214.6	234.5	206.7	235.5	59.8	59.1	53.9	.9	1.1
13:00	229.8	252.4	238.0	251.0	54.9	58.6	58.1	.8	.9
14:00	172.8	179.9	189.7	178.4	32.5	27.5	29.1	2.5	3.0
15:00	227.6	232.2	233.6	230.0	52.1	53.0	45.8	2.0	2.5
16:00	273.8	274.3	285.8	272.7	34.9	29.7	21.8	2.2	2.9
17:00	236.5	243.3	255.9	243.2	21.5	16.9	16.2	1.6	2.8
18:00	7.3	11.6	19.2	5.1	34.7	25.8	24.8	3.5	6.6
19:00	12.0	36.3	3.3	29.3	45.7	36.2	28.2	1.8	3.0
20:00	73.1	87.0	11.7	81.5	76.6	49.7	38.2	.7	1.3
21:00	356.6	44.2	278.5	37.1	52.3	51.9	39.7	.6	1.4
22:00	355.5	47.7	324.8	39.8	47.8	57.8	36.0	.7	1.2
23:00	21.1	49.6	355.0	43.4	29.6	16.7	14.8	.9	1.6
Avg	262.0	231.0	275.0	235.0	44.7	39.9	36.3	.0	.0
Max	356.6	274.3	355.0	272.7	76.6	59.1	63.7	3.5	6.6
Hr. of Max	21	16	23	16	20	12	09	18	18
Min	7.3	11.6	3.3	5.1	19.2	16.4	14.8	.4	.4
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)

9/6/2014

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	1.5	.9	1.1	1.6	1.0	1.8	.3	-1.3	-.02
01:00	1.0	1.0	.6	1.4	1.2	1.5	.7	.5	.01
02:00	.8	.9	1.2	.9	1.2	1.2	1.0	-.5	.00
03:00	1.2	1.0	1.4	1.4	1.2	1.6	-.5	-.8	-.03
04:00	.6	.8	1.3	1.3	1.0	1.6	5.1	1.7	.11
05:00	.8	1.0	1.4	1.7	1.3	2.0	.5	2.9	-.02
06:00	.9	1.0	1.0	1.2	1.3	1.4	1.7	.5	.02
07:00	.4	1.4	.7	.4	1.8	.7	.6	-.5	.01
08:00	.5	1.1	1.2	.8	1.4	1.1	.1	-2.3	.00
09:00	.5	.9	1.0	.9	1.4	1.3	-4.1	-15.4	-.11
10:00	1.3	1.5	1.7	1.8	2.1	2.3	-4.2	-8.4	-.12
11:00	2.4	2.3	2.6	2.6	2.7	3.0	-.8	-2.0	-.07
12:00	1.1	1.7	1.6	1.6	2.1	2.1	-5.4	-17.2	-.18
13:00	.9	1.8	1.9	2.0	2.4	2.6	-1.6	14.6	-.04
14:00	3.2	3.8	4.1	4.3	4.4	4.9	.0	-1.4	-.06
15:00	2.6	2.7	3.3	3.3	3.3	3.9	.6	-1.7	-.06
16:00	3.3	2.7	3.2	3.6	2.9	3.9	2.5	-.6	.05
17:00	3.7	1.8	3.0	3.8	2.2	4.2	2.8	.9	.01
18:00	7.9	4.7	8.1	9.9	5.4	10.4	-2.9	-1.9	-.48
19:00	3.2	2.4	3.5	4.1	2.6	4.4	-.9	-1.7	-.14
20:00	2.0	1.3	1.8	2.5	1.6	2.7	.6	.4	-.04
21:00	2.2	.8	1.8	2.8	1.2	3.0	1.1	.5	.00
22:00	1.5	1.3	1.7	1.7	1.6	2.0	-1.3	-1.4	-.06
23:00	2.0	1.1	1.8	2.2	1.3	2.4	.5	-.2	.01
Avg	.0	1.7	2.1	2.4	2.0	2.8	-.2	-1.5	-.05
Max	7.9	4.7	8.1	9.9	5.4	10.4	5.1	14.6	.11
Hr. of Max	18	18	18	18	18	18	04	13	04
Min	.4	.8	.6	.4	1.0	.7	-5.4	-17.2	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2014

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	3.4	3.7	3.7	2.8	3.4	11.0	4.0
01:00	.03	2.3	2.1	3.4	2.7	3.6	8.1	6.7
02:00	.00	2.3	2.7	2.7	2.6	2.9	8.7	10.6
03:00	.00	3.4	3.4	3.2	2.8	3.6	8.7	9.9
04:00	.02	2.1	3.4	3.4	2.3	3.6	10.6	12.7
05:00	.13	5.3	6.6	7.8	5.2	7.7	11.5	9.2
06:00	.02	2.7	7.1	10.5	3.2	6.0	10.3	10.9
07:00	.00	4.1	3.7	3.2	4.5	3.5	6.2	9.9
08:00	-.02	3.2	6.4	5.5	4.8	3.6	19.7	16.7
09:00	-.34	3.2	3.4	3.0	4.0	3.3	25.6	28.4
10:00	-.43	6.4	6.6	7.3	7.2	7.9	24.1	29.1
11:00	-.12	6.6	6.4	7.8	7.6	8.3	23.3	23.9
12:00	-.77	4.8	5.5	4.8	6.0	5.2	23.0	30.9
13:00	.83	6.2	6.6	6.4	7.1	8.1	32.1	32.7
14:00	-.08	9.2	10.3	10.8	10.2	11.2	20.6	24.9
15:00	-.17	8.2	8.2	8.9	9.6	10.8	26.1	27.7
16:00	-.15	7.3	8.0	7.8	7.6	7.9	21.3	18.1
17:00	.02	6.9	7.1	8.0	7.3	8.6	18.1	15.1
18:00	-.37	16.9	22.0	24.7	22.2	26.3	18.9	7.9
19:00	-.06	7.8	9.6	14.0	9.9	68.2	17.2	13.5
20:00	.05	4.4	5.0	8.7	5.2	6.6	17.7	10.6
21:00	.06	3.2	5.3	5.7	3.4	6.2	13.9	9.7
22:00	-.02	3.7	3.9	4.4	3.4	4.9	11.3	7.9
23:00	.00	2.7	4.1	4.6	3.0	4.8	11.5	8.5
Avg	-.06	5.3	6.3	7.1	6.0	9.4	16.6	15.8
Max	.83	16.9	22.0	24.7	22.2	68.2	32.1	32.7
Hr. of Max	13	18	18	18	18	19	13	13
Min	-.77	2.1	2.1	2.7	2.3	2.9	6.2	4.0
Count	24	24	24	24	24	24	24	24
Total								