Date Printed: 09/04/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2014

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	21.1	21.2	21.3	21.4	.06	.13	.25	.07	.19
01:00	20.9	20.8	20.8	20.9	-.08	-.14	-.01	-.06	.07
02:00	20.8	20.7	20.6	20.6	-.13	-.22	-.18	-.09	-.05
03:00	20.6	20.5	20.4	20.6	-.13	-.19	-.04	-.06	.08
04:00	20.6	20.4	20.3	20.5	-.16	-.21	-.05	-.06	.11
05:00	20.8	20.6	20.5	20.6	-.16	-.30	-.22	-.13	-.06
06:00	20.7	20.7	20.6	20.7	-.01	-.07	.05	-.07	.05
07:00	20.7	20.7	20.7	20.8	.00	.03	.13	.04	.14
08:00	21.5	21.4	21.2	21.2	-.14	-.28	-.32	-.14	-.17
09:00	22.1	21.9	21.7	21.6	-.21	-.39	-.46	-.18	-.25
10:00	22.9	22.7	22.5	22.4	-.29	-.49	-.56	-.20	-.26
11:00	24.2	23.8	23.5	23.4	-.44	-.69	-.77	-.25	-.33
12:00	25.0	24.5	24.2	24.1	-.52	-.81	-.90	-.29	-.38
13:00	25.7	25.2	25.0	24.9	-.48	-.74	-.86	-.26	-.38
14:00	26.9	26.1	25.8	25.7	-.82	-1.07	-1.20	-.26	-.39
15:00	27.8	27.1	26.8	26.6	-.73	-1.04	-1.17	-.31	-.44
16:00	28.2	27.6	27.3	27.2	-.57	-.91	-1.04	-.33	-.46
17:00	28.0	27.6	27.3	27.2	-.41	-.72	-.83	-.30	-.42
18:00	26.5	26.7	26.8	26.8	.18	.29	.33	.11	.15
19:00	24.6	25.5	25.9	26.2	.88	1.27	1.59	.39	.72
20:00	23.4	24.4	25.1	25.4	.94	1.67	1.99	.73	1.05
21:00	22.8	23.3	23.9	24.4	.51	1.12	1.58	.61	1.06
22:00	22.4	23.1	23.4	23.7	.68	.99	1.32	.30	.64
23:00	22.0	22.5	23.0	23.4	.52	.94	1.35	.42	.83
Avg	23.3	23.3	23.3	23.3	-.06	-.08	.00	-.01	.06
Max	28.2	27.6	27.3	27.2	.94	1.67	1.99	.73	1.06
Hr. of Max	16	17	17	17	20	20	20	20	21
Min	20.6	20.4	20.3	20.5	-.82	-1.07	-1.20	-.33	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2014

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	19.9	20.1	20.3	26.7	94.8	96.2	17.1	17.4	0.014997
01:00	19.8	19.9	20.1	26.5	95.4	96.9	17.0	17.2	0.014899
02:00	19.7	19.8	20.1	26.3	95.6	97.2	17.0	17.1	0.014859
03:00	19.5	19.7	19.9	26.1	95.6	97.4	16.8	16.9	0.014669
04:00	19.4	19.6	19.8	25.9	95.6	97.5	16.7	16.9	0.014616
05:00	19.6	19.8	20.0	25.7	95.1	97.4	16.9	17.1	0.014746
06:00	19.6	19.8	19.9	25.6	95.5	97.2	16.8	17.1	0.014723
07:00	19.6	19.8	19.9	25.5	95.6	97.3	16.8	17.1	0.014714
08:00	19.9	20.2	20.4	25.3	92.7	95.6	17.1	17.5	0.015026
09:00	19.9	20.5	20.7	25.2	89.8	94.0	17.1	17.7	0.015071
10:00	20.2	20.4	21.1	25.2	86.8	89.3	17.4	17.6	0.015345
11:00	19.7	19.2	21.2	25.3	77.9	77.5	16.8	16.3	0.014846
12:00	19.7	19.2	21.5	25.4	74.1	74.1	16.8	16.3	0.014865
13:00	19.3	18.8	21.5	25.7	69.6	69.4	16.4	15.9	0.014531
14:00	19.4	19.0	21.9	26.0	65.3	66.7	16.4	16.0	0.014647
15:00	19.5	19.0	22.3	26.3	62.4	63.2	16.4	16.0	0.014732
16:00	19.8	19.5	22.6	26.6	62.1	62.9	16.7	16.4	0.015046
17:00	20.2	20.0	22.8	26.8	64.5	65.2	17.2	17.0	0.015447
18:00	20.9	20.6	22.7	27.0	73.4	71.3	17.9	17.6	0.016057
19:00	21.4	21.0	22.5	27.1	84.5	78.1	18.6	18.1	0.016567
20:00	21.2	21.0	22.0	27.0	89.8	83.7	18.5	18.2	0.016387
21:00	21.0	21.1	21.6	26.8	92.2	90.0	18.3	18.4	0.016146
22:00	20.9	21.3	21.4	26.6	93.6	92.2	18.2	18.6	0.016001
23:00	20.6	21.2	21.1	26.4	94.2	94.7	17.9	18.5	0.015729
Avg	20.0	20.0	21.1	26.1	84.8	85.2	17.2	17.2	0.015194
Max	21.4	21.3	22.8	27.1	95.6	97.5	18.6	18.6	0.016567
Hr. of Max	19	22	17	19	07	04	19	22	19
Min	19.3	18.8	19.8	25.2	62.1	62.9	16.4	15.9	0.014531
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2014

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	0.015272	23.2	23.7	.00	29.15	987.3	-1.9	.00	44.0
01:00	0.015054	23.1	23.3	.00	29.15	987.2	-2.6	.00	258.7
02:00	0.014986	23.0	23.2	.00	29.14	986.9	-1.8	.00	222.6
03:00	0.014819	22.7	23.0	.00	29.13	986.4	-2.4	.00	236.6
04:00	0.014766	22.6	22.9	.00	29.13	986.4	-2.9	.00	209.3
05:00	0.014953	22.9	23.2	.00	29.15	987.0	-2.2	.00	236.0
06:00	0.014986	22.8	23.2	.00	29.14	987.0	-1.7	.00	214.3
07:00	0.014965	22.8	23.2	.00	29.14	986.9	30.9	.04	168.1
08:00	0.01535	23.3	23.8	.00	29.14	986.8	112.2	.16	210.3
09:00	0.015578	23.4	24.1	.00	29.16	987.4	122.9	.18	54.4
10:00	0.015493	23.8	24.0	.00	29.18	988.1	263.4	.38	170.1
11:00	0.014378	23.0	22.3	.00	29.18	988.2	403.2	.58	118.9
12:00	0.014404	23.1	22.4	.00	29.18	988.1	518.3	.74	99.8
13:00	0.014086	22.6	21.9	.00	29.17	987.9	487.2	.70	83.4
14:00	0.014235	22.7	22.1	.00	29.16	987.6	780.6	1.12	39.8
15:00	0.014296	22.8	22.2	.00	29.14	986.9	805.8	1.16	110.5
16:00	0.014738	23.3	22.8	.00	29.12	986.2	584.1	.84	88.2
17:00	0.015236	23.9	23.6	.00	29.11	985.8	351.8	.50	69.1
18:00	0.015784	24.8	24.4	.00	29.11	985.9	114.6	.16	37.9
19:00	0.016127	25.6	24.9	.00	29.12	986.1	34.5	.05	22.2
20:00	0.016151	25.3	25.0	.00	29.13	986.4	-1.2	.00	349.3
21:00	0.01626	25.0	25.1	.00	29.15	987.1	-2.4	.00	293.7
22:00	0.016433	24.8	25.4	.00	29.16	987.5	-2.7	.00	355.1
23:00	0.016326	24.4	25.3	.00	29.16	987.5	-3.3	.00	316.3
Avg	0.015195	23.5	23.5	.00	29.15	987.0	191.0	.28	94.0
Max	0.016433	25.6	25.4	.00	29.18	988.2	805.8	1.16	355.1
Hr. of Max	22	19	22	23	12	11	15	15	22
Min	0.014086	22.6	21.9	.00	29.11	985.8	-3.3	.00	22.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2014

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	55.1	80.4	36.5	75.7	52.0	41.7	35.1	.4	1.2
01:00	281.2	301.3	258.0	298.8	54.0	48.9	26.5	1.2	1.6
02:00	222.2	251.8	226.2	252.1	39.6	30.5	33.6	1.1	1.7
03:00	246.0	261.6	262.7	261.5	59.2	43.3	30.6	.8	1.2
04:00	209.1	241.5	213.2	242.1	21.3	11.9	11.8	1.5	2.4
05:00	212.4	208.1	236.8	209.2	31.5	22.0	13.5	1.3	2.6
06:00	259.7	275.9	236.1	275.9	63.3	53.2	12.2	.4	1.3
07:00	337.7	311.1	199.5	307.2	38.5	63.2	26.5	.1	.3
08:00	249.9	302.5	230.9	290.9	60.8	51.9	63.5	.4	.6
09:00	29.7	43.0	49.1	38.0	62.6	51.6	43.3	.6	.9
10:00	149.6	151.8	171.6	152.0	37.1	45.1	41.1	2.9	3.1
11:00	106.7	117.9	119.4	115.3	36.5	33.7	26.0	2.4	2.9
12:00	84.8	88.7	102.4	84.9	38.1	29.3	25.3	2.6	3.2
13:00	64.0	69.0	83.5	64.7	41.4	32.9	26.1	1.8	2.3
14:00	30.7	44.9	37.9	40.6	57.3	58.5	41.7	1.5	2.2
15:00	88.9	89.1	109.9	84.0	27.5	26.1	25.2	3.9	4.1
16:00	67.1	71.5	88.3	65.5	30.1	25.7	19.7	3.5	4.6
17:00	47.0	57.5	68.8	51.7	33.7	23.4	17.7	3.3	5.4
18:00	39.8	53.1	33.3	47.8	27.8	12.3	8.6	1.8	4.4
19:00	29.5	49.6	17.7	43.9	28.8	15.9	10.9	1.3	2.8
20:00	35.0	48.9	338.4	43.8	21.8	16.9	14.3	1.0	1.6
21:00	13.5	55.6	290.0	50.7	14.1	25.8	28.5	.6	.4
22:00	37.4	68.4	349.5	64.1	22.8	56.2	17.8	1.0	.9
23:00	76.7	115.0	310.5	104.9	22.1	24.8	28.7	.7	.4
Avg	47.0	59.0	24.0	51.0	38.4	35.2	26.2	.0	.0
Max	337.7	311.1	349.5	307.2	63.3	63.2	63.5	3.9	5.4
Hr. of Max	07	07	22	07	06	07	08	15	17
Min	13.5	43.0	17.7	38.0	14.1	11.9	8.6	.1	.3
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)

9/3/2014

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	2.0	1.6	2.6	3.1	2.0	3.4	.3	2.7	-.06
01:00	2.7	1.4	1.8	3.0	1.7	3.0	3.0	2.9	.07
02:00	1.9	1.4	2.0	2.2	1.8	2.5	1.5	3.2	.01
03:00	1.9	1.3	1.8	2.4	1.6	2.5	2.2	1.9	.01
04:00	2.5	1.6	2.6	2.9	2.0	3.1	3.9	1.0	.07
05:00	4.1	1.7	3.1	4.5	2.1	4.7	.4	1.0	-.05
06:00	3.0	.5	1.4	3.1	.9	3.2	8.0	2.8	.12
07:00	1.6	.2	.6	1.7	.7	1.9	4.3	1.0	.06
08:00	1.6	.9	1.3	2.2	1.3	2.5	5.2	-4.5	.08
09:00	1.1	1.2	1.6	2.0	1.7	2.3	-1.6	-.3	-.04
10:00	3.3	3.1	3.4	3.5	3.6	3.8	5.6	5.6	.23
11:00	3.3	2.8	3.3	3.6	3.4	4.1	4.7	1.1	.17
12:00	3.6	3.1	3.7	4.1	3.7	4.5	.1	3.5	.01
13:00	2.6	2.6	3.1	3.2	3.1	3.7	-1.1	-3.2	-.07
14:00	2.8	3.1	3.3	3.5	3.6	4.1	-3.9	-3.0	-.27
15:00	4.5	4.3	4.6	5.0	4.9	5.5	1.2	2.9	.07
16:00	5.3	4.1	5.2	5.8	4.6	6.3	.7	2.8	-.07
17:00	6.8	4.0	6.0	7.3	4.6	7.8	-1.7	1.2	-.32
18:00	5.7	2.1	4.5	5.7	2.4	6.0	-3.5	-2.4	-.21
19:00	4.2	1.5	3.1	4.4	1.7	4.6	-1.8	.2	-.10
20:00	2.4	1.0	1.6	2.4	1.2	2.6	2.7	.9	.07
21:00	1.2	.7	.9	1.3	1.0	1.5	.1	1.8	.01
22:00	1.5	1.4	1.3	1.7	1.6	1.9	3.3	1.5	.08
23:00	.9	1.7	1.8	1.8	1.9	2.0	1.8	1.5	.03
Avg	.0	2.0	2.7	3.4	2.4	3.6	1.5	1.1	.00
Max	6.8	4.3	6.0	7.3	4.9	7.8	8.0	5.6	.23
Hr. of Max	17	15	17	17	15	17	06	10	10
Min	.9	.2	.6	1.3	.7	1.5	-3.9	-4.5	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2014

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	.08	10.5	15.8	16.3	7.1	9.2	19.2	13.2
01:00	.15	5.7	7.3	8.0	5.6	7.6	13.1	10.7
02:00	.07	4.4	5.0	5.0	4.8	5.3	15.9	13.7
03:00	.08	4.6	5.5	6.6	6.2	7.2	16.3	11.1
04:00	.05	6.0	8.9	9.8	4.6	5.9	15.3	6.1
05:00	.10	6.2	8.0	8.5	6.9	9.1	17.0	8.7
06:00	.14	3.7	8.2	11.7	4.6	7.5	16.6	8.5
07:00	.00	2.1	3.7	6.2	2.0	6.4	17.5	18.2
08:00	-.20	5.0	6.6	8.5	5.5	9.2	28.7	24.0
09:00	.04	4.8	5.3	5.3	5.5	5.5	24.6	25.9
10:00	.30	6.4	7.3	7.6	7.0	8.0	17.1	19.3
11:00	-.04	6.6	8.0	7.3	7.3	7.3	21.0	22.4
12:00	.20	8.0	7.6	7.8	8.7	8.4	21.5	21.8
13:00	-.17	6.4	6.6	7.1	7.4	7.6	23.4	23.2
14:00	-.29	8.9	8.9	8.9	9.7	9.7	23.8	26.9
15:00	.25	10.1	11.4	10.5	11.8	11.2	19.1	21.2
16:00	.29	10.5	10.3	14.0	12.0	12.6	20.5	18.1
17:00	.05	11.9	15.8	18.3	12.2	14.7	20.8	14.5
18:00	-.29	12.8	16.7	16.5	12.0	11.7	18.9	6.8
19:00	.02	4.1	9.6	10.3	4.5	8.1	14.9	6.1
20:00	.03	2.7	3.4	6.4	2.9	4.8	9.6	6.5
21:00	.06	1.6	2.5	3.2	1.9	3.0	8.4	4.4
22:00	.05	2.7	3.0	4.1	2.8	4.4	8.5	6.3
23:00	.08	4.1	4.8	4.6	4.6	4.8	8.1	7.9
Avg	.04	6.2	7.9	8.9	6.6	7.9	17.5	14.4
Max	.30	12.8	16.7	18.3	12.2	14.7	28.7	26.9
Hr. of Max	10	18	18	17	17	17	08	14
Min	-.29	1.6	2.5	3.2	1.9	3.0	8.1	4.4
Count	24	24	24	24	24	24	24	24
Total								