Date Printed: 06/20/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2015

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	22.5	22.8	23.2	23.4	.29	.67	.93	.38	.64
01:00	21.9	21.9	21.8	21.9	-.03	-.09	.01	-.06	.04
02:00	21.5	21.6	21.7	22.0	.10	.19	.47	.09	.38
03:00	21.4	21.4	21.4	21.6	-.06	-.02	.23	.04	.29
04:00	21.1	21.1	21.3	21.5	.10	.20	.41	.11	.32
05:00	20.9	21.3	21.3	21.4	.36	.40	.46	.03	.10
06:00	21.1	21.4	21.4	21.4	.29	.27	.32	-.02	.04
07:00	21.7	21.7	21.6	21.6	.00	-.05	-.03	-.06	-.03
08:00	22.7	22.4	22.2	22.1	-.30	-.49	-.54	-.18	-.23
09:00	23.9	23.5	23.3	23.2	-.40	-.63	-.74	-.23	-.34
10:00	25.6	25.0	24.7	24.6	-.58	-.92	-.96	-.34	-.38
11:00	26.7	26.0	25.7	25.7	-.60	-.90	-.97	-.30	-.37
12:00	28.2	27.6	27.4	27.3	-.55	-.80	-.93	-.25	-.38
13:00	30.0	29.3	29.0	28.9	-.69	-.99	-1.09	-.30	-.40
14:00	25.4	25.1	25.1	25.2	-.23	-.27	-.17	-.05	.06
15:00	25.7	25.2	25.0	25.1	-.56	-.72	-.64	-.16	-.08
16:00	29.1	28.4	28.0	27.9	-.73	-1.05	-1.18	-.32	-.45
17:00	29.7	29.1	28.8	28.7	-.64	-.96	-1.07	-.32	-.44
18:00	30.7	30.5	30.2	30.2	-.25	-.46	-.48	-.21	-.23
19:00	28.5	29.6	29.6	29.7	1.08	1.13	1.19	.05	.11
20:00	25.4	27.4	27.8	28.2	1.99	2.43	2.82	.44	.83
21:00	24.3	25.8	26.2	26.6	1.49	1.81	2.29	.32	.80
22:00	24.2	25.4	25.7	26.4	1.26	1.58	2.20	.32	.94
23:00	23.6	24.8	25.1	25.6	1.15	1.44	1.95	.28	.80
Avg	24.8	24.9	24.9	25.0	.10	.07	.19	-.03	.08
Max	30.7	30.5	30.2	30.2	1.99	2.43	2.82	.44	.94
Hr. of Max	18	18	18	18	20	20	20	20	22
Min	20.9	21.1	21.3	21.4	-.73	-1.05	-1.18	-.34	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2015

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	20.1	20.2	20.9	27.6	88.6	87.6	17.3	17.4	0.015229
01:00	20.4	20.5	20.9	27.4	93.1	93.8	17.6	17.7	0.015469
02:00	20.3	20.3	20.7	27.1	95.2	94.8	17.6	17.6	0.015406
03:00	20.4	20.5	20.7	26.7	96.1	97.2	17.6	17.8	0.015492
04:00	20.1	20.4	20.4	26.4	96.4	97.7	17.3	17.7	0.015201
05:00	20.0	20.6	20.3	26.2	96.8	98.0	17.3	17.9	0.015145
06:00	20.2	20.7	20.5	26.0	97.0	98.1	17.5	18.0	0.015336
07:00	20.7	20.6	21.0	25.8	96.5	96.3	18.0	17.9	0.015768
08:00	21.0	20.7	21.5	25.7	92.4	92.6	18.2	17.9	0.016062
09:00	21.0	20.5	22.0	25.6	86.0	85.7	18.2	17.7	0.016103
10:00	21.2	20.5	22.6	25.7	78.9	78.1	18.3	17.6	0.016328
11:00	21.6	21.3	23.3	25.9	76.2	77.2	18.8	18.4	0.016812
12:00	21.8	21.2	23.9	26.3	70.3	70.0	18.9	18.2	0.016979
13:00	21.3	20.8	24.2	26.7	61.6	62.2	18.3	17.8	0.016536
14:00	20.6	20.0	22.2	27.4	77.4	75.9	17.7	17.1	0.015753
15:00	21.0	20.5	22.6	27.7	77.9	78.0	18.2	17.7	0.016224
16:00	21.5	21.2	24.0	27.7	65.7	67.3	18.5	18.3	0.016768
17:00	22.1	22.1	24.7	27.9	65.8	68.2	19.2	19.2	0.017438
18:00	21.1	20.7	24.3	28.1	58.7	57.9	18.1	17.6	0.01644
19:00	20.8	19.8	23.4	28.3	65.5	57.3	17.8	16.6	0.016076
20:00	21.6	20.8	22.9	28.3	82.2	69.5	18.9	17.8	0.016872
21:00	21.3	21.2	22.3	28.1	85.6	78.0	18.5	18.4	0.016518
22:00	21.8	21.7	22.6	27.9	89.1	82.0	19.1	18.9	0.01701
23:00	21.6	21.7	22.3	27.6	91.1	85.3	18.9	18.9	0.016828
Avg	21.0	20.8	22.3	27.0	82.7	81.2	18.2	17.9	0.016158
Max	22.1	22.1	24.7	28.3	97.0	98.1	19.2	19.2	0.017438
Hr. of Max	17	17	17	20	06	06	17	17	17
Min	20.0	19.8	20.3	25.6	58.7	57.3	17.3	16.6	0.015145
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)

6/19/2015

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	0.015327	23.6	23.8	.00	29.16	987.6	-2.7	.00	274.3
01:00	0.015572	24.0	24.1	.38	29.17	987.9	-2.2	.00	191.5
02:00	0.015423	23.9	23.9	.30	29.16	987.5	-1.9	.00	348.4
03:00	0.015604	24.0	24.2	.00	29.15	987.1	-2.3	.00	236.5
04:00	0.015493	23.5	24.0	.00	29.15	987.1	-2.3	.00	249.5
05:00	0.015681	23.5	24.3	.00	29.15	987.1	-2.6	.00	24.1
06:00	0.015787	23.8	24.4	.00	29.16	987.6	8.5	.01	36.8
07:00	0.015729	24.4	24.4	.00	29.17	987.9	93.3	.13	14.3
08:00	0.015798	24.9	24.5	.00	29.18	988.2	229.3	.33	194.8
09:00	0.015662	24.9	24.3	.00	29.18	988.3	406.5	.58	141.0
10:00	0.015624	25.3	24.2	.00	29.18	988.2	537.9	.77	220.5
11:00	0.016443	26.0	25.4	.00	29.17	987.9	529.8	.76	262.7
12:00	0.016368	26.2	25.3	.00	29.15	987.2	817.7	1.17	206.7
13:00	0.016039	25.5	24.8	.00	29.13	986.4	769.8	1.10	220.9
14:00	0.015247	24.4	23.6	.04	29.13	986.3	237.7	.34	274.7
15:00	0.015733	25.1	24.3	.01	29.11	985.7	749.0	1.07	13.8
16:00	0.016465	25.8	25.4	.00	29.08	984.8	561.1	.80	347.1
17:00	0.017434	26.8	26.8	.00	29.06	984.0	483.3	.69	341.7
18:00	0.015974	25.3	24.6	.00	29.04	983.6	343.0	.49	208.9
19:00	0.015045	24.8	23.2	.00	29.04	983.4	169.1	.24	192.0
20:00	0.016029	26.0	24.7	.00	29.05	983.8	24.7	.04	16.1
21:00	0.016453	25.5	25.4	.00	29.06	984.1	-1.5	.00	31.1
22:00	0.016869	26.2	26.0	.00	29.07	984.3	-2.0	.00	30.8
23:00	0.016887	25.9	26.0	.00	29.07	984.5	-2.6	.00	32.7
Avg	0.015945	25.0	24.7	.03	29.12	986.3	247.5	.36	296.0
Max	0.017434	26.8	26.8	.38	29.18	988.3	817.7	1.17	348.4
Hr. of Max	17	17	17	01	10	09	12	12	02
Min	0.015045	23.5	23.2	.00	29.04	983.4	-2.7	.00	13.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2015

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	279.8	271.6	275.5	284.0	33.3	26.0	39.4	1.6	2.7
01:00	199.4	195.8	198.8	198.4	45.4	34.0	25.9	2.5	4.2
02:00	339.1	284.6	347.2	287.5	73.6	66.0	54.7	.9	.9
03:00	220.8	215.8	239.2	218.4	43.1	31.0	23.9	.9	1.6
04:00	235.9	210.5	249.8	212.9	37.0	24.5	15.6	.6	1.1
05:00	49.8	65.5	24.2	61.9	20.5	14.5	12.3	1.4	2.2
06:00	50.5	62.5	37.7	58.6	20.8	12.6	10.2	1.1	2.6
07:00	31.6	55.6	13.5	51.0	30.8	35.1	13.3	.5	1.5
08:00	203.9	100.9	197.8	107.2	44.4	47.4	41.9	.7	.5
09:00	139.4	141.2	143.0	138.1	44.6	36.3	34.9	.8	.9
10:00	227.5	229.6	225.6	231.5	37.1	34.9	37.2	1.8	2.3
11:00	265.6	258.8	266.7	258.8	36.3	33.8	30.3	2.2	2.8
12:00	230.4	234.3	217.7	234.7	55.9	44.1	40.4	1.7	2.3
13:00	225.0	222.2	224.7	224.0	32.5	26.9	22.0	3.5	4.7
14:00	285.3	297.9	275.3	298.7	54.4	54.1	44.8	3.1	4.3
15:00	29.9	36.8	16.8	32.4	39.5	22.9	20.1	1.8	3.2
16:00	349.4	345.5	345.5	339.6	50.7	40.8	47.4	2.0	2.3
17:00	349.5	345.4	339.8	340.5	34.0	32.9	46.5	2.2	2.5
18:00	220.8	217.3	217.4	219.0	44.2	35.0	26.3	3.2	4.7
19:00	185.2	189.4	200.5	191.0	42.2	27.5	18.6	1.3	2.7
20:00	65.0	85.9	16.4	82.7	26.2	15.3	9.9	1.4	2.3
21:00	67.9	78.5	32.9	74.8	18.2	8.8	6.0	1.6	2.9
22:00	61.9	82.8	34.1	79.1	30.8	17.5	12.1	.9	2.0
23:00	52.6	67.4	33.2	63.7	28.7	16.9	6.8	1.4	2.5
Avg	281.0	180.0	296.0	207.0	38.5	30.8	26.7	.0	.0
Max	349.5	345.5	347.2	340.5	73.6	66.0	54.7	3.5	4.7
Hr. of Max	17	16	02	17	02	02	02	13	18
Min	29.9	36.8	13.5	32.4	18.2	8.8	6.0	.5	.5
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)

6/19/2015

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	3.0	1.9	3.0	3.5	2.2	3.7	1.4	1.6	-.06
01:00	6.1	3.8	5.8	7.8	4.5	8.4	2.8	4.6	.07
02:00	.8	2.2	2.5	2.7	2.6	3.1	-.1	.2	-.08
03:00	1.7	1.3	1.8	1.8	1.7	2.1	-.9	-.5	-.03
04:00	2.0	1.0	2.0	2.7	1.4	3.0	.5	.5	-.01
05:00	2.5	1.5	2.4	2.6	1.8	2.9	-2.7	.5	-.11
06:00	3.3	1.2	2.7	3.3	1.5	3.6	-3.4	-1.7	-.13
07:00	2.0	.8	1.6	2.1	1.2	2.4	-1.5	-1.6	-.07
08:00	.8	1.5	1.5	1.3	2.0	1.6	-.7	-4.3	-.03
09:00	1.0	1.7	1.7	1.9	2.3	2.5	3.4	-1.5	.14
10:00	2.6	2.2	2.6	2.9	2.8	3.4	1.4	-2.7	.00
11:00	3.1	2.7	3.2	3.5	3.2	4.0	-.8	-2.4	-.12
12:00	2.6	2.6	2.9	3.2	3.2	3.8	-2.3	-1.5	-.21
13:00	5.6	4.0	5.1	5.9	4.6	6.5	-.5	.7	-.19
14:00	5.3	5.4	7.5	9.3	5.8	9.7	-1.1	-.4	-.40
15:00	3.7	2.2	3.5	4.1	2.7	4.5	-3.8	-2.7	-.34
16:00	1.9	2.5	2.6	2.3	3.0	3.0	1.6	.7	-.07
17:00	2.2	2.5	2.7	2.6	2.9	3.1	-2.1	-5.9	-.23
18:00	6.3	4.1	5.4	6.9	4.6	7.5	1.2	1.8	-.03
19:00	4.0	1.7	3.1	4.5	2.2	4.8	3.8	2.2	.07
20:00	2.9	1.5	2.4	3.0	1.8	3.3	1.2	2.6	.04
21:00	3.7	1.7	3.0	3.8	1.9	4.0	-1.1	1.3	-.07
22:00	3.4	1.0	2.2	3.5	1.3	3.7	1.1	1.4	.00
23:00	4.0	1.6	2.7	4.0	1.8	4.3	-1.1	1.2	-.07
Avg	.0	2.2	3.1	3.7	2.6	4.1	-.2	-.2	-.08
Max	6.3	5.4	7.5	9.3	5.8	9.7	3.8	4.6	.14
Hr. of Max	18	14	14	14	14	14	19	01	09
Min	.8	.8	1.5	1.3	1.2	1.6	-3.8	-5.9	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/19/2015

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	.06	9.8	10.5	12.8	10.5	13.0	12.7	8.1
01:00	.47	11.0	14.2	17.6	12.7	65.7	17.4	11.2
02:00	.05	6.4	7.8	11.9	6.2	10.9	17.1	15.3
03:00	.00	3.2	3.2	3.7	3.6	4.0	10.9	10.6
04:00	.03	6.4	6.2	6.4	4.4	5.1	9.5	4.3
05:00	.02	3.4	6.2	5.3	3.6	4.7	10.6	5.5
06:00	-.11	3.7	5.3	5.3	4.0	5.6	13.0	5.6
07:00	-.05	3.2	4.4	5.0	3.5	5.3	18.8	11.1
08:00	-.24	4.4	5.0	5.5	5.4	5.7	17.6	21.0
09:00	.07	5.7	6.0	7.1	5.6	6.7	27.4	28.3
10:00	-.19	6.4	7.6	7.6	7.6	9.4	24.3	23.0
11:00	-.24	7.6	12.4	11.9	8.1	9.0	23.5	21.1
12:00	-.25	8.0	8.9	8.7	10.2	9.4	26.3	26.6
13:00	-.13	10.3	11.4	12.4	11.7	13.7	21.1	18.3
14:00	-.44	27.7	37.1	38.2	31.8	40.3	18.0	12.8
15:00	-.23	6.2	8.9	13.1	7.3	9.6	25.5	15.7
16:00	.02	6.6	8.2	7.3	8.1	9.6	29.7	29.5
17:00	-.39	7.3	7.1	10.3	8.0	7.9	24.7	23.5
18:00	.12	14.4	14.4	15.3	15.5	17.0	20.9	16.0
19:00	.11	8.2	11.2	13.1	8.4	13.7	21.7	11.0
20:00	.16	3.7	4.1	4.6	4.0	4.9	9.1	7.3
21:00	.09	3.7	6.2	6.4	3.9	7.1	9.8	4.1
22:00	.09	3.7	5.3	8.0	3.8	6.0	11.2	6.8
23:00	.08	3.4	5.7	8.0	3.7	6.1	11.7	4.6
Avg	-.04	7.3	9.1	10.2	8.0	12.1	18.0	14.2
Max	.47	27.7	37.1	38.2	31.8	65.7	29.7	29.5
Hr. of Max	01	14	14	14	14	01	16	16
Min	-.44	3.2	3.2	3.7	3.5	4.0	9.1	4.1
Count	24	24	24	24	24	24	24	24
Total								