Date Printed: 06/27/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2015

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	22.7	23.4	23.9	24.5	.76	1.28	1.86	.52	1.10
01:00	22.2	23.0	23.3	23.7	.75	1.06	1.48	.31	.73
02:00	22.0	22.4	22.9	23.5	.44	.93	1.46	.49	1.03
03:00	21.7	22.3	22.5	23.0	.61	.83	1.36	.22	.75
04:00	21.5	22.3	22.9	23.4	.79	1.41	1.94	.62	1.15
05:00	21.6	22.4	22.8	23.3	.82	1.26	1.72	.44	.89
06:00	22.1	22.9	23.2	23.5	.87	1.15	1.41	.28	.54
07:00	22.0	22.6	22.9	23.1	.57	.86	1.10	.29	.53
08:00	23.4	23.4	23.3	23.3	-.05	-.19	-.19	-.13	-.13
09:00	25.9	25.3	25.0	24.9	-.53	-.85	-.98	-.32	-.44
10:00	27.5	26.7	26.4	26.2	-.79	-1.11	-1.28	-.32	-.49
11:00	27.5	26.9	26.7	26.6	-.60	-.88	-.99	-.29	-.39
12:00	30.2	29.0	28.7	28.5	-1.20	-1.52	-1.70	-.32	-.50
13:00	32.1	30.8	30.4	30.3	-1.31	-1.68	-1.83	-.36	-.52
14:00	33.2	31.9	31.5	31.5	-1.28	-1.68	-1.77	-.41	-.49
15:00	33.7	32.6	32.3	32.1	-1.07	-1.39	-1.53	-.32	-.45
16:00	28.9	28.4	28.2	28.4	-.49	-.61	-.41	-.12	.08
17:00	22.3	22.1	23.0	24.3	-.16	.72	1.95	.88	2.11
18:00	22.3	22.3	22.6	23.0	.03	.25	.66	.22	.62
19:00	21.7	21.7	21.9	22.0	.05	.20	.33	.15	.28
20:00	21.8	22.0	22.1	22.2	.18	.24	.37	.06	.19
21:00	21.2	21.2	21.6	22.1	.08	.41	.97	.33	.89
22:00	21.2	21.1	21.1	21.3	-.16	-.15	.08	.01	.24
23:00	20.9	21.0	20.9	21.1	.08	.04	.19	-.04	.11
Avg	24.6	24.5	24.6	24.8	-.07	.02	.26	.09	.33
Max	33.7	32.6	32.3	32.1	.87	1.41	1.95	.88	2.11
Hr. of Max	15	15	15	15	06	04	17	17	17
Min	20.9	21.0	20.9	21.1	-1.31	-1.68	-1.83	-.41	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2015

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	20.9	21.8	21.5	28.2	92.1	93.2	18.1	19.1	0.016035
01:00	20.6	21.8	21.1	27.9	92.8	95.8	17.8	19.2	0.015749
02:00	20.5	21.5	21.0	27.6	93.5	97.1	17.7	18.9	0.01565
03:00	20.2	21.5	20.7	27.4	93.6	97.6	17.4	18.8	0.015365
04:00	20.1	21.4	20.5	27.1	93.8	97.2	17.3	18.8	0.015235
05:00	20.2	21.3	20.6	26.9	94.1	96.4	17.4	18.7	0.015332
06:00	20.7	21.2	21.2	26.7	94.4	92.2	18.0	18.4	0.015862
07:00	20.3	19.8	20.8	26.5	92.2	86.7	17.5	17.0	0.015418
08:00	19.0	18.3	20.5	26.4	78.3	75.1	16.2	15.5	0.014273
09:00	17.4	16.8	20.2	26.3	61.3	60.7	14.5	14.0	0.012929
10:00	18.9	18.4	21.7	26.3	61.2	62.3	15.9	15.4	0.014205
11:00	20.5	20.4	22.9	26.6	67.6	69.1	17.5	17.4	0.015761
12:00	21.7	21.5	24.5	26.9	62.4	65.7	18.7	18.5	0.01699
13:00	21.5	21.4	25.0	27.5	55.6	59.4	18.4	18.3	0.016836
14:00	20.4	20.4	24.7	28.4	48.6	52.3	17.1	17.2	0.01572
15:00	19.6	19.7	24.3	28.9	45.3	48.3	16.4	16.5	0.015022
16:00	20.1	20.0	23.0	29.2	61.8	63.1	17.0	17.0	0.015384
17:00	20.1	19.6	20.9	29.4	89.9	87.8	17.4	16.8	0.015378
18:00	19.4	19.2	20.4	29.3	85.8	84.8	16.6	16.4	0.014668
19:00	19.6	19.4	20.3	29.0	90.3	88.8	16.8	16.6	0.014869
20:00	19.6	19.5	20.3	28.6	89.4	87.8	16.8	16.7	0.014819
21:00	19.8	19.8	20.3	28.3	94.4	93.6	17.1	17.0	0.015028
22:00	19.8	19.9	20.3	27.9	94.1	95.3	17.1	17.1	0.015019
23:00	19.7	20.0	20.1	27.6	95.4	96.4	17.0	17.2	0.01493
Avg	20.0	20.2	21.5	27.7	80.3	81.1	17.2	17.4	0.01527
Max	21.7	21.8	25.0	29.4	95.4	97.6	18.7	19.2	0.01699
Hr. of Max	12	01	13	17	23	03	12	01	12
Min	17.4	16.8	20.1	26.3	45.3	48.3	14.5	14.0	0.012929
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)

6/26/2015

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	0.01699	24.8	26.2	.00	29.09	985.1	-2.4	.00	259.9
01:00	0.01702	24.3	26.2	.00	29.07	984.5	-2.8	.00	252.8
02:00	0.016693	24.2	25.7	.00	29.07	984.5	-1.8	.00	228.6
03:00	0.016628	23.7	25.6	.00	29.08	984.7	-2.9	.00	253.4
04:00	0.016579	23.5	25.6	.00	29.08	984.8	-1.7	.00	275.6
05:00	0.016506	23.7	25.5	.00	29.09	985.1	-1.3	.00	275.7
06:00	0.016329	24.5	25.2	.00	29.10	985.5	3.3	.00	29.1
07:00	0.01502	23.8	23.2	.00	29.09	985.2	62.7	.09	230.4
08:00	0.013659	22.1	21.2	.00	29.11	985.8	215.7	.31	74.3
09:00	0.012397	20.1	19.3	.00	29.11	985.7	574.6	.82	109.4
10:00	0.013792	22.0	21.4	.00	29.09	985.2	615.9	.88	198.6
11:00	0.015567	24.3	24.0	.00	29.08	984.9	427.0	.61	225.0
12:00	0.016719	26.2	25.8	.00	29.07	984.3	966.8	1.39	241.0
13:00	0.016703	25.9	25.7	.00	29.05	983.7	968.8	1.39	232.1
14:00	0.015741	24.2	24.3	.00	29.03	983.2	958.6	1.37	229.3
15:00	0.015061	23.2	23.2	.00	29.01	982.3	712.9	1.02	271.1
16:00	0.01536	23.7	23.7	.04	28.99	981.8	201.3	.29	270.1
17:00	0.014882	23.7	22.9	.01	28.98	981.3	119.1	.17	315.8
18:00	0.014521	22.6	22.4	.00	29.00	982.2	31.6	.05	245.1
19:00	0.014672	22.9	22.6	.01	28.99	981.8	14.1	.02	203.6
20:00	0.014721	22.9	22.7	.02	29.03	983.2	7.9	.01	207.5
21:00	0.014972	23.2	23.1	.00	29.05	983.6	-1.1	.00	302.4
22:00	0.015056	23.2	23.3	.00	29.06	984.2	-2.7	.00	234.0
23:00	0.015155	23.1	23.4	.05	29.05	983.8	-2.2	.00	36.0
Avg	0.015448	23.6	23.8	.01	29.06	984.0	244.2	.35	248.0
Max	0.01702	26.2	26.2	.05	29.11	985.8	968.8	1.39	315.8
Hr. of Max	01	12	01	23	09	08	13	13	17
Min	0.012397	20.1	19.3	.00	28.98	981.3	-2.9	.00	29.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2015

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	236.0	224.7	259.1	243.5	11.9	24.1	44.0	1.1	.8
01:00	241.2	234.3	254.5	236.3	21.3	17.2	10.4	1.4	1.9
02:00	228.5	237.1	233.2	239.1	24.5	16.7	9.6	1.5	2.7
03:00	227.0	212.3	255.0	213.8	37.2	11.4	13.4	1.3	2.2
04:00	262.7	207.6	273.7	208.9	48.9	14.8	15.0	1.0	2.1
05:00	246.4	205.4	277.3	206.9	15.8	19.4	27.4	1.9	2.3
06:00	46.2	57.6	27.3	53.3	63.0	27.0	22.7	1.2	2.6
07:00	113.0	112.1	211.6	109.3	83.1	38.9	24.2	.1	1.5
08:00	81.2	92.0	82.5	88.5	55.6	33.2	24.8	.7	1.2
09:00	105.0	103.3	112.6	96.3	47.8	48.3	53.3	.8	.7
10:00	204.7	208.2	204.0	210.0	40.8	30.8	30.7	2.5	3.3
11:00	234.4	236.0	230.1	237.3	32.8	23.0	18.9	2.5	3.4
12:00	246.9	245.8	244.4	246.8	37.6	35.1	34.8	2.9	3.9
13:00	236.8	235.4	234.1	237.1	37.6	31.9	24.5	4.3	5.7
14:00	237.0	238.0	234.5	239.6	34.8	29.0	24.4	4.3	5.7
15:00	272.0	268.0	269.9	267.1	47.4	34.5	29.8	2.8	3.8
16:00	278.8	280.3	274.2	279.3	27.2	19.0	17.0	4.6	7.0
17:00	10.8	127.2	307.7	124.1	77.7	65.3	49.4	.5	.4
18:00	252.7	251.7	249.9	253.0	23.8	18.0	19.2	6.7	10.5
19:00	216.0	227.2	211.9	233.3	54.4	59.5	67.5	1.7	2.0
20:00	199.8	186.9	212.0	188.1	28.3	19.8	16.3	2.6	4.4
21:00	303.2	323.6	300.3	321.7	57.2	46.2	32.3	.8	1.5
22:00	224.9	214.4	237.2	218.8	27.8	31.6	48.7	1.2	1.7
23:00	88.0	99.0	38.3	92.5	35.0	25.0	19.0	.7	.6
Avg	234.0	215.0	249.0	219.0	40.5	30.0	28.2	.0	.0
Max	303.2	323.6	307.7	321.7	83.1	65.3	67.5	6.7	10.5
Hr. of Max	21	21	17	21	07	17	19	18	18
Min	10.8	57.6	27.3	53.3	11.9	11.4	9.6	.1	.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)

6/26/2015

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	1.1	1.3	.8	1.1	1.6	1.5	.1	1.6	.00
01:00	2.7	1.5	2.1	2.8	1.9	3.1	.1	.8	-.02
02:00	3.5	1.5	2.8	3.5	2.0	3.9	-.1	1.4	-.05
03:00	2.3	1.4	2.2	2.3	1.9	2.6	-.7	.0	-.06
04:00	2.5	1.4	2.3	2.6	1.8	2.9	-.3	-1.6	-.04
05:00	2.7	2.2	2.8	3.2	2.5	3.5	-2.1	-.9	-.12
06:00	3.6	1.5	3.1	4.4	1.9	4.7	.3	-.3	-.10
07:00	3.3	.8	1.8	3.6	1.3	4.1	2.9	4.8	.07
08:00	1.9	1.0	1.4	2.1	1.4	2.5	-1.6	.7	-.03
09:00	.6	1.5	1.5	1.3	2.1	2.0	.8	3.4	.03
10:00	3.5	3.1	3.8	4.0	3.6	4.5	1.2	-1.7	.01
11:00	3.9	2.9	3.7	4.2	3.4	4.7	2.3	-1.6	-.02
12:00	4.2	3.7	4.6	4.9	4.5	5.6	1.0	2.4	-.07
13:00	7.1	5.1	6.4	7.6	5.8	8.4	1.2	1.1	-.09
14:00	6.5	5.0	6.3	7.1	5.7	7.8	2.1	2.3	-.03
15:00	4.4	3.8	4.7	5.3	4.3	5.8	1.4	2.7	-.02
16:00	8.7	5.9	9.0	11.4	6.5	12.0	-2.1	.3	-.46
17:00	1.2	2.5	2.8	3.2	2.9	3.6	1.9	1.9	-.04
18:00	13.8	7.4	11.3	14.6	7.9	15.2	-.8	1.9	-.39
19:00	1.9	2.9	3.5	3.9	3.4	4.3	1.5	3.4	.06
20:00	6.5	3.9	5.5	7.3	4.6	7.8	-1.0	-1.2	-.13
21:00	1.4	1.3	1.9	1.8	1.7	2.2	-1.7	-.7	-.07
22:00	1.2	1.3	1.8	1.6	1.7	2.0	1.8	2.2	.00
23:00	.9	1.1	1.5	2.1	1.4	2.4	.3	2.2	-.01
Avg	.0	2.7	3.7	4.4	3.2	4.9	.4	1.0	-.07
Max	13.8	7.4	11.3	14.6	7.9	15.2	2.9	4.8	.07
Hr. of Max	18	18	18	18	18	18	07	07	07
Min	.6	.8	.8	1.1	1.3	1.5	-2.1	-1.7	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2015

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	.05	3.0	3.7	4.1	3.4	4.3	5.2	4.6
01:00	.04	5.3	6.0	7.1	3.9	4.9	7.3	3.2
02:00	.11	4.6	7.6	5.5	5.2	5.8	6.5	5.8
03:00	.01	3.4	4.8	6.0	4.4	6.4	6.3	4.2
04:00	-.06	6.0	8.7	8.5	4.6	5.6	7.9	4.3
05:00	-.03	5.7	8.0	9.8	6.5	6.4	6.4	6.1
06:00	-.08	8.9	12.4	12.6	10.1	13.1	16.5	10.1
07:00	.28	3.4	5.3	8.0	4.2	9.1	20.8	13.2
08:00	.04	5.0	5.5	7.1	5.4	7.4	24.9	17.2
09:00	.12	5.0	5.5	5.3	6.0	6.6	29.3	34.9
10:00	-.24	8.0	8.2	10.3	9.0	10.3	22.1	21.1
11:00	-.26	7.6	8.0	10.5	9.7	9.3	21.8	15.6
12:00	.10	9.8	10.8	15.3	11.5	15.5	24.1	23.4
13:00	-.05	14.0	16.0	15.6	15.9	17.9	21.1	17.0
14:00	.09	13.3	21.3	20.8	14.0	15.5	21.0	17.8
15:00	.18	13.1	13.3	14.2	15.6	13.7	23.4	19.7
16:00	-.01	19.0	28.9	31.4	28.5	31.8	16.7	8.6
17:00	.15	13.3	10.8	17.9	13.1	12.9	17.6	15.7
18:00	.29	19.9	22.2	29.5	20.4	31.7	14.9	8.7
19:00	.16	9.8	13.5	28.4	11.1	16.0	15.8	15.7
20:00	-.21	12.4	14.2	16.7	13.7	16.9	16.4	11.9
21:00	-.06	5.3	6.2	8.2	4.6	8.6	15.0	15.4
22:00	.05	3.4	4.1	4.6	3.9	5.0	11.5	10.2
23:00	.11	3.4	4.4	6.0	2.8	3.9	9.9	10.8
Avg	.03	8.4	10.4	12.6	9.5	11.6	15.9	13.1
Max	.29	19.9	28.9	31.4	28.5	31.8	29.3	34.9
Hr. of Max	18	18	16	16	16	16	09	09
Min	-.26	3.0	3.7	4.1	2.8	3.9	5.2	3.2
Count	24	24	24	24	24	24	24	24
Total								