Date Printed: 08/24/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2015

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	21.3	21.8	21.9	22.4	.51	.65	1.08	.14	.57
01:00	20.9	21.5	21.7	22.1	.60	.80	1.13	.19	.53
02:00	20.5	21.4	21.6	21.9	.87	1.08	1.38	.21	.50
03:00	20.3	21.0	21.2	21.5	.78	.99	1.24	.21	.46
04:00	20.4	21.1	21.2	21.4	.66	.78	.91	.11	.25
05:00	20.7	21.1	21.2	21.3	.45	.55	.63	.09	.17
06:00	20.4	20.9	21.0	21.2	.48	.58	.78	.10	.30
07:00	20.4	20.7	20.7	20.9	.23	.28	.48	.05	.25
08:00	21.4	21.2	21.1	21.1	-.20	-.33	-.27	-.13	-.07
09:00	22.5	22.3	22.1	22.0	-.27	-.48	-.55	-.20	-.28
10:00	22.6	22.4	22.2	22.2	-.24	-.43	-.47	-.19	-.24
11:00	23.0	22.8	22.6	22.5	-.23	-.44	-.50	-.21	-.27
12:00	22.2	22.1	21.9	21.8	-.19	-.37	-.42	-.19	-.24
13:00	22.7	22.2	22.0	21.9	-.46	-.69	-.79	-.24	-.33
14:00	23.4	22.9	22.7	22.6	-.47	-.67	-.77	-.20	-.29
15:00	25.1	24.4	24.2	24.1	-.67	-.93	-1.00	-.26	-.33
16:00	26.1	25.6	25.3	25.2	-.56	-.85	-.96	-.29	-.40
17:00	27.0	26.5	26.2	26.0	-.49	-.80	-.93	-.30	-.44
18:00	26.7	26.5	26.2	26.1	-.25	-.52	-.63	-.27	-.38
19:00	25.0	25.5	25.6	25.7	.56	.60	.70	.04	.14
20:00	23.4	24.0	24.6	24.9	.62	1.22	1.52	.59	.90
21:00	22.9	23.4	23.9	24.2	.56	.98	1.35	.43	.79
22:00	22.0	22.6	23.1	23.7	.63	1.14	1.72	.51	1.09
23:00	21.4	22.1	22.5	22.8	.69	1.12	1.45	.43	.76
Avg	22.6	22.8	22.8	22.9	.15	.18	.30	.03	.14
Max	27.0	26.5	26.2	26.1	.87	1.22	1.72	.59	1.09
Hr. of Max	17	18	18	18	02	20	22	20	22
Min	20.3	20.7	20.7	20.9	-.67	-.93	-1.00	-.30	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2015

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	20.8	20.5	25.1	94.9	96.3	17.3	18.1	0.015197
01:00	19.7	20.7	20.1	25.1	95.1	97.2	17.0	18.0	0.014912
02:00	19.3	20.5	19.7	25.0	95.3	97.5	16.6	17.8	0.014536
03:00	19.1	20.3	19.5	25.0	95.4	97.7	16.4	17.5	0.014335
04:00	19.3	20.4	19.7	24.9	95.4	97.9	16.6	17.6	0.014516
05:00	19.7	20.3	20.0	24.8	96.0	97.5	16.9	17.6	0.014837
06:00	19.3	20.1	19.7	24.8	96.0	97.6	16.6	17.3	0.014543
07:00	19.4	19.9	19.7	24.7	96.0	98.0	16.7	17.2	0.01458
08:00	20.2	20.4	20.6	24.6	95.0	97.4	17.4	17.7	0.01532
09:00	20.8	20.7	21.4	24.6	92.2	93.5	18.0	18.0	0.015918
10:00	20.8	20.9	21.4	24.6	92.0	93.5	18.1	18.2	0.015985
11:00	21.2	21.1	21.8	24.6	92.0	92.9	18.5	18.4	0.016326
12:00	20.5	20.4	21.1	24.6	91.9	92.8	17.7	17.7	0.015593
13:00	20.6	20.2	21.3	24.6	90.2	90.7	17.8	17.5	0.015731
14:00	20.5	20.2	21.5	24.6	86.0	86.7	17.7	17.3	0.01566
15:00	20.5	20.0	22.1	24.6	78.0	78.6	17.6	17.1	0.015738
16:00	20.6	20.0	22.4	24.7	73.5	73.2	17.6	17.0	0.0158
17:00	20.4	19.9	22.6	24.8	69.2	68.9	17.4	16.9	0.015647
18:00	20.5	20.2	22.6	24.9	70.9	70.5	17.6	17.2	0.01577
19:00	21.2	20.8	22.5	25.0	82.1	77.5	18.4	18.0	0.016435
20:00	21.3	21.2	22.0	25.1	90.6	86.7	18.6	18.4	0.016542
21:00	21.2	21.4	21.8	25.1	92.7	90.8	18.5	18.7	0.016397
22:00	20.7	21.3	21.1	25.1	94.5	94.7	17.9	18.6	0.015821
23:00	20.1	21.1	20.5	25.1	94.9	96.7	17.4	18.4	0.015292
Avg	20.3	20.5	21.1	24.8	89.6	90.2	17.5	17.8	0.015476
Max	21.3	21.4	22.6	25.1	96.0	98.0	18.6	18.7	0.016542
Hr. of Max	20	21	18	23	07	07	20	21	20
Min	19.1	19.9	19.5	24.6	69.2	68.9	16.4	16.9	0.014335
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)

8/23/2015

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	0.015913	23.5	24.6	.00	29.12	986.3	-2.1	.00	260.6
01:00	0.015811	23.1	24.4	.00	29.11	985.8	-2.7	.00	254.6
02:00	0.015684	22.5	24.2	.00	29.11	985.7	-1.9	.00	329.8
03:00	0.015398	22.2	23.8	.00	29.11	985.7	-2.3	.00	246.9
04:00	0.015504	22.5	24.0	.00	29.10	985.5	-2.7	.00	268.2
05:00	0.015493	23.0	23.9	.00	29.09	985.1	-2.4	.00	2.1
06:00	0.015229	22.5	23.5	.00	29.08	985.0	-1.5	.00	247.8
07:00	0.015095	22.6	23.3	.00	29.10	985.5	17.8	.03	249.9
08:00	0.015515	23.7	24.0	.00	29.12	986.1	102.1	.15	143.2
09:00	0.015879	24.6	24.6	.00	29.13	986.4	131.7	.19	202.2
10:00	0.01601	24.7	24.8	.03	29.13	986.6	109.0	.16	223.5
11:00	0.016262	25.2	25.1	.01	29.14	986.7	140.5	.20	187.5
12:00	0.015568	24.1	24.1	.04	29.13	986.6	175.9	.25	201.0
13:00	0.015391	24.3	23.8	.01	29.09	985.2	400.0	.57	218.1
14:00	0.015336	24.2	23.7	.00	29.08	984.9	427.7	.61	236.5
15:00	0.01524	24.3	23.5	.00	29.07	984.3	586.7	.84	212.6
16:00	0.015215	24.4	23.5	.00	29.05	983.7	530.8	.76	201.6
17:00	0.015118	24.1	23.3	.00	29.04	983.3	414.6	.59	205.0
18:00	0.015441	24.3	23.8	.00	29.03	983.1	241.3	.35	176.8
19:00	0.016059	25.3	24.7	.00	29.03	983.2	53.1	.08	210.7
20:00	0.016425	25.5	25.3	.00	29.04	983.5	.9	.00	307.1
21:00	0.016601	25.3	25.6	.00	29.06	984.0	-2.5	.00	320.6
22:00	0.016476	24.4	25.4	.00	29.07	984.4	-2.5	.00	298.9
23:00	0.016242	23.6	25.1	.00	29.07	984.4	-2.6	.00	298.7
Avg	0.015704	23.9	24.3	.00	29.09	985.0	137.9	.20	240.0
Max	0.016601	25.5	25.6	.04	29.14	986.7	586.7	.84	329.8
Hr. of Max	21	20	21	12	11	11	15	15	02
Min	0.015095	22.2	23.3	.00	29.03	983.1	-2.7	.00	2.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2015

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	221.6	231.1	256.8	232.8	20.2	14.7	8.0	.6	1.8
01:00	198.5	215.4	255.0	215.2	21.0	21.4	10.2	.9	1.1
02:00	126.9	186.8	330.9	175.7	31.7	34.8	22.3	.5	.2
03:00	121.8	168.0	246.6	171.3	49.9	35.1	33.4	1.1	.7
04:00	243.0	204.2	267.5	206.6	48.9	58.5	25.8	.7	1.2
05:00	71.0	28.8	353.5	22.9	64.9	40.8	46.1	.7	.6
06:00	103.6	7.0	253.3	10.4	26.0	26.0	36.2	.7	.1
07:00	241.7	232.3	252.1	234.8	17.0	36.3	30.7	1.9	2.9
08:00	104.4	17.9	158.7	14.8	43.6	26.0	26.7	.5	.3
09:00	178.5	186.4	207.9	186.0	37.1	32.1	44.2	1.0	1.2
10:00	210.7	219.5	228.7	220.9	27.8	27.8	19.1	1.4	1.8
11:00	188.1	188.3	191.9	188.6	22.5	21.7	18.7	2.2	2.8
12:00	205.0	202.2	203.3	203.0	25.9	20.7	16.0	4.0	6.0
13:00	217.1	215.1	220.1	216.4	27.9	27.4	20.8	3.5	4.8
14:00	242.1	239.5	240.6	240.9	30.0	25.0	18.4	3.7	4.9
15:00	220.0	222.8	217.8	224.8	24.6	21.2	16.8	4.0	5.0
16:00	209.7	211.3	205.7	211.6	33.6	26.6	25.3	3.0	4.0
17:00	208.9	213.3	208.7	214.4	25.2	21.8	19.1	3.0	3.9
18:00	183.8	189.8	182.1	190.6	26.1	22.2	17.3	3.1	3.8
19:00	188.5	187.0	212.3 +	187.7	26.4	16.2	10.2	1.2	2.9
20:00	188.9	198.0	306.8	197.5	41.8	58.4	16.2	.8	.8
21:00	72.1	124.4	329.6 +	116.8	44.6	28.4	34.0	.5	1.1
22:00	71.6	136.1	297.9	127.2	46.8	47.9	29.1	.6	.4
23:00	72.1	38.8	287.8	49.1	18.4	30.8	34.2	.5	.2
Avg	179.0	199.0	242.0	198.0	32.6	30.1	24.1	.0	.0
Max	243.0	239.5	353.5	240.9	64.9	58.5	46.1	4.0	6.0
Hr. of Max	04	14	05	14	05	04	05	15	12
Min	71.0	7.0	158.7	10.4	17.0	14.7	8.0	.5	.1
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)

8/23/2015

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	2.4	.6	1.9	2.5	1.1	2.7	.5	-.2	-.01
01:00	1.6	1.0	1.2	1.7	1.4	1.9	.4	-1.5	.00
02:00	.5	.8	.8	.9	1.2	1.2	1.7	-.8	.02
03:00	.5	1.2	1.1	.9	1.5	1.3	1.2	1.0	.00
04:00	1.6	.9	1.3	1.7	1.2	2.0	.9	-3.5	.00
05:00	.4	.8	.9	.9	1.1	1.3	2.7	1.1	.04
06:00	.6	.8	.1	.7	1.0	1.1	1.0	1.5	.03
07:00	2.9	2.0	3.0	3.1	2.5	3.4	-2.6	-1.8	-.14
08:00	.5	1.1	1.2	1.8	1.4	2.0	-2.2	-2.0	-.05
09:00	1.4	1.2	1.5	1.8	1.6	2.1	5.4	7.5	.13
10:00	2.1	1.7	2.1	2.4	2.1	2.8	-3.7	-7.6	-.16
11:00	3.5	2.4	3.1	3.7	2.8	4.1	2.8	2.0	.07
12:00	7.9	4.4	6.4	8.2	4.9	8.6	.8	-.3	-.08
13:00	5.6	3.8	5.2	5.9	4.5	6.5	2.3	.0	.00
14:00	5.8	4.0	5.2	6.0	4.5	6.6	1.3	.1	-.04
15:00	5.8	4.4	5.3	6.0	4.9	6.5	-1.1	-4.2	-.18
16:00	4.7	3.8	4.7	5.3	4.3	5.8	1.5	.2	-.02
17:00	4.4	3.4	4.3	4.7	3.8	5.1	2.0	2.1	.07
18:00	4.3	3.4	4.1	4.6	3.8	4.9	.8	-2.3	-.05
19:00	4.5	1.5	3.1	4.6	1.9	4.8	5.5	1.6	.16
20:00	2.6	.9	1.0	2.6	1.2	2.9	1.2	-.5	.03
21:00	.8	.8	1.3	1.2	1.1	1.5	2.2	1.4	.04
22:00	.3	1.1	.8	1.4	1.4	1.7	1.5	1.9	.03
23:00	.3	.6	.3	.6	.8	1.0	.4	1.9	.00
Avg	.0	1.9	2.5	3.1	2.3	3.4	1.1	-.1	.00
Max	7.9	4.4	6.4	8.2	4.9	8.6	5.5	7.5	.16
Hr. of Max	12	15	12	12	15	12	19	09	19
Min	.3	.6	.1	.6	.8	1.0	-3.7	-7.6	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/23/2015

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	-.01	3.0	4.6	4.6	2.5	3.7	8.9	2.5
01:00	-.05	3.7	5.3	6.9	2.6	4.0	6.2	3.1
02:00	-.02	3.2	2.3	3.2	2.6	2.2	6.8	5.6
03:00	.02	3.2	4.1	3.2	3.4	4.0	6.7	6.8
04:00	-.10	5.0	7.6	4.6	3.9	5.1	8.9	11.8
05:00	.03	2.7	2.7	3.7	2.8	3.0	11.2	7.9
06:00	.04	2.1	1.4	2.5	2.4	2.8	10.3	9.4
07:00	-.11	4.6	6.2	6.0	6.0	6.2	6.3	3.8
08:00	-.07	3.7	5.3	6.9	3.5	4.5	21.8	10.1
09:00	.13	4.4	4.8	5.0	4.5	5.3	23.8	21.9
10:00	-.26	5.0	6.2	6.0	5.6	6.5	17.1	16.3
11:00	.02	7.3	9.2	9.4	9.2	10.6	17.0	15.9
12:00	-.20	13.7	16.3	16.7	14.0	17.9	18.8	12.0
13:00	-.16	8.9	17.4	16.3	10.5	13.2	19.2	17.0
14:00	-.13	10.3	11.0	12.6	10.0	13.6	19.1	14.5
15:00	-.51	11.9	11.9	12.6	10.9	13.9	17.6	12.0
16:00	-.14	8.5	10.1	10.1	10.2	11.2	20.4	17.6
17:00	.07	9.2	13.5	12.4	10.6	10.5	18.8	14.7
18:00	-.26	7.8	8.0	8.2	9.4	8.8	15.5	13.1
19:00	.09	5.7	7.3	7.1	6.2	7.4	16.3	7.0
20:00	-.02	2.5	4.4	11.0	2.7	6.3	9.8	6.3
21:00	.04	3.9	3.2	3.2	4.1	3.3	12.2	13.9
22:00	.07	2.7	3.0	3.7	3.0	3.8	10.8	11.7
23:00	.04	2.1	1.6	1.8	2.2	2.6	5.8	8.8
Avg	-.06	5.6	7.0	7.4	6.0	7.1	13.7	11.0
Max	.13	13.7	17.4	16.7	14.0	17.9	23.8	21.9
Hr. of Max	09	12	13	12	12	12	09	09
Min	-.51	2.1	1.4	1.8	2.2	2.2	5.8	2.5
Count	24	24	24	24	24	24	24	24
Total								