Date Printed: 04/16/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2015

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	16.9	17.5	17.5	17.6	.63	.61	.67	-.02	.03
01:00	16.9	17.4	17.3	17.4	.51	.46	.49	-.05	-.02
02:00	16.7	16.8	16.8	16.8	.08	.01	.02	-.07	-.06
03:00	16.4	16.4	16.3	16.3	-.01	-.09	-.05	-.08	-.04
04:00	16.1	16.2	16.1	16.1	.09	-.01	.00	-.09	-.08
05:00	16.1	16.1	16.0	15.9	.03	-.11	-.11	-.13	-.14
06:00	15.9	15.9	15.8	15.8	.01	-.11	-.09	-.11	-.10
07:00	15.9	15.9	15.8	15.8	.00	-.13	-.13	-.13	-.14
08:00	16.1	16.0	15.9	15.9	-.04	-.20	-.20	-.15	-.16
09:00	16.4	16.4	16.2	16.2	-.07	-.21	-.22	-.14	-.15
10:00	16.8 P	16.6 P	16.4 P	16.4 P	P	P	P	P	P
11:00	16.9	16.7	16.5	16.4	-.23	-.45	-.49	-.23	-.26
12:00	17.4	17.1	16.9	16.8	-.28	-.50	-.56	-.22	-.28
13:00	17.9	17.6	17.3	17.2	-.34	-.58	-.66	-.24	-.32
14:00	18.1	17.8	17.5	17.4	-.35	-.62	-.71	-.27	-.37
15:00	18.5	18.3	18.0	17.9	-.27	-.52	-.61	-.25	-.34
16:00	18.9	18.7	18.5	18.4	-.21	-.45	-.53	-.24	-.32
17:00	19.2	19.0	18.8	18.8	-.15	-.36	-.43	-.21	-.28
18:00	19.2	19.2	19.0	19.0	-.01	-.16	-.21	-.16	-.21
19:00	18.4	18.6	18.5	18.5	.22	.10	.06	-.11	-.15
20:00	17.6	17.8	17.7	17.7	.15	.04	.03	-.10	-.12
21:00	17.0	17.2	17.1	17.1	.19	.06	.03	-.12	-.15
22:00	16.4	16.6	16.5	16.5	.19	.08	.05	-.12	-.14
23:00	15.9	16.1	16.1	16.1	.27	.20	.22	-.07	-.05
Avg	17.2	17.2	17.0	17.0	.02	-.13	-.15	-.14	-.17
Max	19.2	19.2	19.0	19.0	.63	.61	.67	-.02	.03
Hr. of Max	18	18	18	18	00	00	00	00	00
Min	15.9	15.9	15.8	15.8	-.35	-.62	-.71	-.27	-.37
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2015

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	15.6	15.7	16.0	18.2	93.5	90.4	13.2	13.3	0.011374
01:00	15.3	15.3	15.9	18.1	92.4	89.2	13.1	13.0	0.011217
02:00	15.3	15.3	15.8	17.9	92.9	92.4	13.0	13.0	0.011192
03:00	15.6	15.6	15.8	17.8	96.8	97.1	13.3	13.3	0.011383
04:00	15.4	15.5	15.6	17.6	97.2	97.4	13.1	13.2	0.011259
05:00	15.3	15.4	15.5	17.5	96.9	97.6	13.0	13.2	0.011182
06:00	15.2	15.3	15.4	17.1	97.2	98.2	13.0	13.1	0.011093
07:00	15.2	15.4	15.5	16.8	97.4	98.5	13.0	13.1	0.011123
08:00	15.4	15.5	15.6	16.8	97.3	98.5	13.1	13.2	0.011217
09:00	15.6	15.7	15.9	16.8	96.8	97.8	13.3	13.4	0.011407
10:00	P	P	P	16.8 P	95.5 P	96.3 P	P	P	P
11:00	15.8	15.8	16.2	16.9	95.2	96.2	13.5	13.4	0.011561
12:00	15.9	15.8	16.4	17.0	92.8	93.5	13.5	13.4	0.011619
13:00	16.0	15.7	16.6	17.1	90.5	90.6	13.6	13.3	0.011701
14:00	15.9	15.6	16.7	17.3	88.9	88.9	13.5	13.2	0.011644
15:00	15.9	15.7	16.8	17.5	86.4	86.8	13.5	13.3	0.011633
16:00	15.8	15.6	16.9	17.7	83.9	83.6	13.4	13.2	0.01158
17:00	15.5	15.2	16.7	17.8	80.6	79.7	13.1	12.8	0.01132
18:00	15.3	15.1	16.6	17.9	79.7	78.4	13.0	12.7	0.011207
19:00	14.9	14.6	16.1	17.9	81.3	78.6	12.6	12.4	0.010872
20:00	14.2	14.1	15.4	17.9	81.8	80.5	12.1	12.0	0.010415
21:00	13.5	13.4	14.7	17.8	81.3	79.5	11.6	11.5	0.009939
22:00	13.3	13.1	14.4	17.7	83.1	81.1	11.5	11.3	0.009785
23:00	13.0	12.8	13.9	17.6	84.4	82.2	11.2	11.1	0.009565
Avg	15.2	15.1	15.8	17.5	90.2	89.7	12.9	12.8	0.011099
Max	16.0	15.8	16.9	18.2	97.4	98.5	13.6	13.4	0.011701
Hr. of Max	13	12	16	00	07	08	13	12	13
Min	13.0	12.8	13.9	16.8	79.7	78.4	11.2	11.1	0.009565
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2015

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	0.01145	17.7	17.8	.00	29.14	986.9	-2.6	.00	37.3
01:00	0.011179	17.5	17.4	.00	29.13	986.6	-2.7	.00	57.3
02:00	0.011184	17.4	17.4	.02	29.12	986.3	-2.7	.00	55.3
03:00	0.011411	17.7	17.8	.17	29.12	986.2	-1.6	.00	285.9
04:00	0.011352	17.5	17.7	.09	29.12	986.1	-1.3	.00	56.4
05:00	0.011285	17.4	17.6	.13	29.11	985.7	-1.2	.00	74.2
06:00	0.011216	17.3	17.5	.19	29.12	986.0	-1.2	.00	57.3
07:00	0.011253	17.3	17.5	.28	29.14	986.7	3.3	.00	62.2
08:00	0.011323	17.5	17.7	.03	29.15	987.3	16.3	.02	68.1
09:00	0.011472	17.8	17.9	.00	29.17	987.9	41.4	.06	39.0
10:00	P	P	P	.00 P	29.18 P	988.1 P	116.4 P	.17 P	54.6 P
11:00	0.011514	18.0	18.0	.01	29.19	988.5	171.3	.25	66.2
12:00	0.011499	18.1	17.9	.01	29.19	988.6	236.3	.34	77.3
13:00	0.011466	18.2	17.9	.00	29.19	988.4	295.6	.42	91.6
14:00	0.011397	18.2	17.8	.00	29.19	988.4	297.6	.43	70.1
15:00	0.011493	18.1	17.9	.00	29.17	987.9	224.8	.32	76.3
16:00	0.011391	18.0	17.8	.00	29.16	987.5	173.7	.25	78.0
17:00	0.011086	17.6	17.3	.00	29.15	987.3	179.1	.26	70.9
18:00	0.01101	17.5	17.2	.00	29.16	987.4	102.2	.15	66.1
19:00	0.010661	17.0	16.6	.00	29.17	987.7	35.9	.05	69.9
20:00	0.010341	16.3	16.2	.00	29.18	988.2	-2.4	.00	54.4
21:00	0.009831	15.6	15.4	.01	29.21	989.1	-2.0	.00	70.5
22:00	0.009678	15.3	15.2	.00	29.23	989.8	-.6	.00	58.9
23:00	0.009488	15.0	14.9	.00	29.23	989.9	-1.8	.00	54.9
Avg	0.011043	17.3	17.2	.04	29.16	987.6	78.1	.11	62.0
Max	0.011514	18.2	18.0	.28	29.23	989.9	297.6	.43	285.9
Hr. of Max	11	14	11	07	23	23	14	14	03
Min	0.009488	15.0	14.9	.00	29.11	985.7	-2.7	.00	37.3
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2015

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	49.8	59.7	37.6	55.6	26.2	15.9	11.9	1.7	3.6
01:00	57.9	57.4	64.4	52.9	27.1	15.0	9.0	1.5	3.3
02:00	58.3	57.0	56.3	52.6	24.5	10.4	6.3	1.4	3.7
03:00	286.6	48.7	281.0	345.3	53.8	57.9	66.5	.3	.6
04:00	54.8	52.6	56.0	47.9	30.7	16.6	10.5	2.0	4.5
05:00	75.9	73.5	77.0	69.2	31.5	19.0	13.9	2.1	3.8
06:00	53.5	53.5	54.2	48.7	31.7	15.9	10.0	1.8	4.1
07:00	63.6	62.3	59.9	57.9	33.8	21.7	14.1	1.8	3.5
08:00	60.1	56.9	67.5	50.6	55.2	46.5	42.6	1.7	3.3
09:00	37.0	34.8	38.4	29.6	34.5	22.7	18.0	1.6	3.6
10:00	48.5 P	46.2 P	56.8 P	41.4 P	29.9 P	18.5 P	12.5 P	2.8 P	5.7 P
11:00	63.9	64.1	66.7	59.9	25.6	17.5	12.6	3.5	6.5
12:00	76.4	74.1	78.3	69.9	23.4	18.5	15.3	3.6	5.0
13:00	93.8	91.9	93.8	88.1	20.9	17.1	15.2	5.0	6.1
14:00	68.6	70.5	68.9	66.7	28.6	20.0	14.1	3.3	5.2
15:00	67.4	66.3	78.9	62.8	26.6	26.9	19.7	3.2	4.1
16:00	71.7	69.0	80.4	65.1	29.9	23.0	19.5	3.1	4.7
17:00	69.1	68.1	71.5	64.0	26.4	17.6	13.1	3.6	5.4
18:00	66.0	65.1	65.7	61.0	27.9	17.3	12.4	3.7	6.8
19:00	71.6	68.6	72.7	65.0	26.1	17.6	12.4	3.7	6.5
20:00	55.0	58.0	57.5	53.9	26.3	15.4	10.7	3.9	7.5
21:00	69.9	68.8	72.0	65.0	25.0	16.7	10.9	4.1	7.4
22:00	60.0	61.6	59.7	57.7	23.8	15.5	9.9	3.3	6.2
23:00	58.2	62.9	58.2	59.2	24.3	14.8	11.0	2.6	5.2
Avg	61.0	62.0	63.0	56.0	29.7	20.8	16.3	.0	.0
Max	286.6	91.9	281.0	345.3	55.2	57.9	66.5	5.0	7.5
Hr. of Max	03	13	03	03	08	03	03	13	20
Min	37.0	34.8	37.6	29.6	20.9	10.4	6.3	.3	.6
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)

4/15/2015

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	4.4	1.9	3.8	4.6	2.1	4.9	-5.3	-1.8	-.26
01:00	4.5	1.7	3.6	4.6	1.9	5.0	.2	-.7	-.06
02:00	4.9	1.5	3.8	4.9	2.0	5.3	-1.0	-1.4	-.14
03:00	1.2	.7	1.6	1.7	1.3	2.2	1.3	1.3	.02
04:00	6.0	2.2	4.7	6.1	2.5	6.5	.9	-.5	-.10
05:00	4.9	2.3	4.0	5.0	2.9	5.4	2.1	2.3	.01
06:00	5.8	2.0	4.3	5.9	2.5	6.3	1.1	-.9	-.09
07:00	4.4	2.1	3.7	4.6	2.5	4.9	-1.9	-.5	-.14
08:00	4.6	2.6	4.1	5.2	3.1	5.6	.6	.5	-.06
09:00	4.8	2.2	4.2	5.3	2.5	5.6	-.2	-1.1	-.14
10:00	7.8 P	3.1 P	6.0 P	7.9 P	3.5 P	8.4 P	2.5 P	.2 P	-.02 P
11:00	8.8	3.8	6.7	9.0	4.4	9.5	2.1	1.3	-.04
12:00	6.2	3.8	5.2	6.4	4.5	6.8	1.3	3.2	-.01
13:00	6.9	5.3	6.4	7.2	5.9	7.6	.5	2.9	-.02
14:00	6.8	3.6	5.5	7.0	4.2	7.3	2.5	2.6	.02
15:00	5.2	3.4	4.5	5.5	4.3	6.0	1.5	9.3	.00
16:00	5.6	3.4	5.0	6.0	4.0	6.5	1.7	7.7	.01
17:00	6.6	4.0	5.7	6.8	4.5	7.3	.1	.7	-.12
18:00	9.1	4.1	7.1	9.3	4.8	9.8	1.5	1.3	-.09
19:00	8.7	4.1	6.8	8.9	4.8	9.4	1.0	2.7	-.11
20:00	9.6	4.2	7.8	9.8	4.7	10.3	-3.0	-.3	-.54
21:00	10.2	4.5	7.7	10.3	5.5	10.9	.5	2.4	-.07
22:00	8.5	3.6	6.5	8.7	3.8	9.1	-.4	.5	-.21
23:00	6.9	2.8	5.3	7.0	3.1	7.4	-2.6	1.1	-.25
Avg	.0	3.0	5.2	6.6	3.6	7.0	.3	1.4	-.10
Max	10.2	5.3	7.8	10.3	5.9	10.9	2.5	9.3	.02
Hr. of Max	21	13	20	21	13	21	14	15	14
Min	1.2	.7	1.6	1.7	1.3	2.2	-5.3	-1.8	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/15/2015

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	-.16	4.1	6.6	7.6	5.0	8.0	14.5	6.7
01:00	-.08	5.3	7.1	12.1	6.4	9.7	15.9	5.9
02:00	-.15	5.7	8.9	12.4	6.1	8.9	20.8	4.9
03:00	.03	4.6	7.8	7.8	5.1	8.4	15.6	11.7
04:00	-.08	5.5	9.4	10.1	8.0	11.1	18.8	6.3
05:00	.15	6.0	8.7	12.1	7.0	10.2	18.8	9.5
06:00	-.14	6.4	9.6	11.4	8.8	12.2	21.4	6.7
07:00	-.09	5.5	8.2	8.5	6.0	10.1	18.5	8.7
08:00	-.06	6.9	9.8	10.3	7.7	10.4	17.5	12.2
09:00	-.14	5.7	7.3	10.3	6.7	10.0	19.2	7.2
10:00	-.09 P	<	<	<	<	<	<	<
11:00	.08	12.8	15.3	19.2	11.8	18.9	21.4	9.7
12:00	.32	9.8	12.4	16.9	10.7	14.3	17.2	12.9
13:00	.27	12.6	12.8	15.6	12.8	16.0	15.0	12.8
14:00	.16	9.2	16.5	18.3	9.6	13.9	20.9	13.7
15:00	.77	10.8	11.7	12.4	11.8	12.4	19.0	16.9
16:00	.65	15.6	17.4	13.7	9.8	12.0	20.0	14.6
17:00	-.04	14.7	18.8	17.9	12.0	12.7	18.8	11.8
18:00	.05	11.7	15.6	16.0	11.8	16.8	21.4	10.5
19:00	.26	11.9	17.9	20.8	13.9	18.8	17.5	9.9
20:00	-.16	13.1	16.5	22.4	13.6	19.0	22.0	9.1
21:00	.28	12.6	18.5	24.0	15.8	23.8	17.6	9.1
22:00	-.03	10.1	14.0	14.7	12.0	15.2	19.6	8.7
23:00	.07	13.5	18.3	19.2	9.0	13.7	18.2	9.1
Avg	.08	9.3	12.6	14.5	9.6	13.3	18.7	9.9
Max	.77	15.6	18.8	24.0	15.8	23.8	22.0	16.9
Hr. of Max	15	16	17	21	21	21	20	15
Min	-.16	4.1	6.6	7.6	5.0	8.0	14.5	4.9
Count	24	23	23	23	23	23	23	23
Total								