Date Printed: 07/30/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2016

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	22.0	22.1	22.3	22.5	.15	.36	.54	.21	.39
01:00	22.2	22.2	22.3	22.5	.05	.13	.32	.08	.27
02:00	22.5	22.5	22.5	22.5	-.03	-.02	.03	.01	.06
03:00	22.6	22.5	22.4	22.5	-.11	-.16	-.14	-.05	-.03
04:00	22.6	22.5	22.4	22.4	-.12	-.22	-.19	-.10	-.07
05:00	22.6	22.5	22.3	22.3	-.14	-.29	-.30	-.15	-.16
06:00	22.7	22.5	22.4	22.4	-.13	-.26	-.30	-.13	-.17
07:00	22.7	22.5	22.4	22.4	-.18	-.29	-.32	-.11	-.14
08:00	23.2	23.0	22.8	22.7	-.23	-.41	-.50	-.18	-.27
09:00	24.0	23.6	23.4	23.3	-.32	-.53	-.61	-.21	-.29
10:00	24.8	24.4	24.2	24.1	-.41	-.67	-.74	-.26	-.33
11:00	27.0	26.2	25.9	25.8	-.79	-1.15	-1.25	-.36	-.46
12:00	28.6	27.6	27.3	27.1	-1.00	-1.33	-1.45	-.33	-.45
13:00	29.7	28.8	28.4	28.3	-.98	-1.33	-1.42	-.35	-.44
14:00	30.0	29.2	28.9	28.8	-.80	-1.11	-1.21	-.31	-.41
15:00	28.1	27.4	27.2	27.2	-.67	-.85	-.86	-.18	-.19
16:00	28.0	27.3	27.0	27.0	-.72	-.98	-1.08	-.26	-.36
17:00	29.3	28.7	28.4	28.3	-.58	-.88	-1.01	-.30	-.43
18:00	28.3	27.8	27.5	27.5	-.57	-.77	-.79	-.21	-.23
19:00	27.7	27.2	26.9	26.7	-.55	-.85	-.97	-.30	-.42
20:00	24.7	24.5	24.5	24.5	-.15	-.17	-.16	-.02	-.02
21:00	23.3	23.5	24.0	24.2	.24	.69	.87	.45	.63
22:00	22.6	22.9	23.1	23.4	.26	.50	.79	.24	.52
23:00	22.3	22.7	23.0	23.2	.40	.71	.86	.30	.46
Avg	25.1	24.8	24.6	24.7	-.31	-.41	-.41	-.11	-.11
Max	30.0	29.2	28.9	28.8	.40	.71	.87	.45	.63
Hr. of Max	14	14	14	14	23	23	21	21	21
Min	22.0	22.1	22.3	22.3	-1.00	-1.33	-1.45	-.36	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2016

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	21.1	21.6	21.4	27.6	97.4	99.3	18.4	18.9	0.016268
01:00	21.3	21.7	21.6	27.5	97.4	99.4	18.7	19.1	0.016499
02:00	21.6	21.9	21.9	27.3	97.5	99.4	19.0	19.3	0.016827
03:00	21.7	21.9	22.0	27.2	97.4	99.4	19.1	19.4	0.016916
04:00	21.7	22.0	22.0	27.0	97.3	99.4	19.1	19.4	0.016931
05:00	21.7	21.9	22.0	26.9	97.3	99.4	19.1	19.3	0.016906
06:00	21.8	22.0	22.1	26.8	97.4	99.3	19.2	19.4	0.016979
07:00	21.8	22.0	22.1	26.8	97.2	99.2	19.2	19.4	0.017007
08:00	21.9	22.1	22.4	26.7	95.2	97.4	19.3	19.5	0.017131
09:00	22.0	21.9	22.6	26.7	91.3	92.7	19.3	19.3	0.017201
10:00	22.1	21.8	23.0	26.7	87.1	87.8	19.4	19.1	0.017291
11:00	21.6	20.8	23.4	26.8	74.4	74.2	18.7	17.9	0.016815
12:00	21.0	20.3	23.6	27.1	65.7	66.6	18.0	17.3	0.016268
13:00	20.6	20.0	23.6	27.6	59.8	60.9	17.5	16.9	0.015852
14:00	20.7	20.2	23.8	28.1	59.2	60.1	17.6	17.1	0.015921
15:00	22.0	21.5	24.0	28.6	71.8	72.3	19.1	18.6	0.017282
16:00	21.7	21.3	23.8	28.8	70.8	71.7	18.8	18.3	0.017005
17:00	21.1	20.6	23.8	28.8	63.1	63.4	18.0	17.5	0.016331
18:00	21.3	21.2	23.7	28.9	67.8	69.5	18.3	18.2	0.016579
19:00	21.0	20.8	23.2	28.9	68.9	70.5	18.0	17.8	0.016211
20:00	21.3	21.2	22.4	28.9	83.7	84.0	18.5	18.4	0.016476
21:00	21.2	21.5	21.9	28.8	90.4	90.6	18.5	18.7	0.016387
22:00	21.0	21.6	21.5	28.6	93.2	95.1	18.3	18.9	0.016164
23:00	20.9	21.8	21.3	28.4	93.9	97.1	18.1	19.2	0.016016
Avg	21.4	21.4	22.6	27.7	84.0	85.4	18.6	18.6	0.016636
Max	22.1	22.1	24.0	28.9	97.5	99.4	19.4	19.5	0.017291
Hr. of Max	10	08	15	20	02	05	10	08	10
Min	20.6	20.0	21.3	26.7	59.2	60.1	17.5	16.9	0.015852
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2016

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	0.016749	25.1	25.8	.00	29.06	984.0	-2.4	.00	239.2
01:00	0.01689	25.4	26.0	.00	29.06	984.1	-2.6	.00	239.8
02:00	0.017119	25.9	26.4	.00	29.06	984.2	-2.7	.00	229.3
03:00	0.01715	26.1	26.4	.00	29.07	984.4	-2.8	.00	222.9
04:00	0.017169	26.1	26.4	.00	29.07	984.4	-1.8	.00	213.7
05:00	0.017124	26.1	26.4	.00	29.07	984.6	-1.9	.00	208.9
06:00	0.01717	26.2	26.5	.00	29.08	984.7	-1.0	.00	233.1
07:00	0.017173	26.2	26.5	.00	29.09	985.1	8.6	.01	231.5
08:00	0.017285	26.4	26.6	.00	29.09	985.2	120.2	.17	190.4
09:00	0.017123	26.5	26.4	.00	29.09	985.1	166.5	.24	229.5
10:00	0.017004	26.6	26.2	.00	29.09	985.1	341.3	.49	228.4
11:00	0.015992	25.9	24.7	.00	29.09	985.3	698.7	1.00	201.6
12:00	0.015561	25.1	24.0	.00	29.09	985.1	788.5	1.13	230.1
13:00	0.015233	24.5	23.5	.00	29.07	984.5	864.0	1.24	221.7
14:00	0.015437	24.6	23.8	.00	29.06	984.0	574.3	.82	221.7
15:00	0.016736	26.6	25.8	.00	29.05	983.7	371.2	.53	271.8
16:00	0.016512	26.2	25.4	.00	29.04	983.4	478.2	.69	227.9
17:00	0.015854	25.2	24.4	.00	29.03	983.1	304.5	.44	271.1
18:00	0.016441	25.5	25.3	.00	29.03	983.1	241.3	.35	328.5
19:00	0.016047	25.0	24.7	.00	29.04	983.5	261.8	.38	228.4
20:00	0.016379	25.4	25.3	.00	29.06	984.2	22.1	.03	255.4
21:00	0.016653	25.3	25.7	.00	29.07	984.4	-1.8	.00	330.0
22:00	0.016763	25.0	25.9	.00	29.10	985.3	-1.6	.00	264.8
23:00	0.016969	24.7	26.2	.00	29.10	985.3	-2.5	.00	274.7
Avg	0.016606	25.7	25.6	.00	29.07	984.4	217.5	.31	238.0
Max	0.017285	26.6	26.6	.00	29.10	985.3	864.0	1.24	330.0
Hr. of Max	08	15	08	23	23	23	13	13	21
Min	0.015233	24.5	23.5	.00	29.03	983.1	-2.8	.00	190.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2016

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	243.1	248.0	242.9	242.4	21.1	8.8	6.8	1.8	2.9
01:00	241.0	231.5	244.9	225.7	14.6	7.4	5.3	2.2	4.3
02:00	246.6	251.9	232.9	247.1	49.6	36.1	28.0	.9	2.3
03:00	219.0	210.3	228.6	209.5	27.9	19.9	20.2	1.4	2.4
04:00	205.2	166.3	226.8	199.6	45.3	57.2	46.8	.6	1.1
05:00	211.0	201.1	212.9	197.3	29.2	19.2	13.7	1.4	2.5
06:00	228.8	213.3	236.3	212.4	29.5	26.6	20.7	.8	1.4
07:00	224.9	213.2	233.1	209.0	17.6	12.9	8.9	1.3	2.3
08:00	205.9	193.5	197.9	191.3	35.6	26.4	21.4	1.3	2.1
09:00	240.4	236.1	234.6	231.8	25.1	19.2	28.4	2.1	2.7
10:00	234.0	228.4	233.0	224.5	34.4	27.8	24.4	2.2	2.9
11:00	210.8	208.0	206.9	202.6	30.0	23.6	18.9	3.5	4.2
12:00	236.8	228.9	234.1	222.1	45.0	34.0	31.3	2.8	3.9
13:00	233.4	233.0	228.3	226.8	48.7	39.2	34.8	3.3	4.5
14:00	224.8	219.1	226.8	213.3	31.1	25.9	25.1	4.5	6.2
15:00	274.8	269.1	275.5	261.1	23.6	18.3	14.5	4.3	6.1
16:00	236.9	232.0	233.8	226.2	29.5	23.9	20.5	4.0	5.0
17:00	279.0	277.7	272.7	268.8	29.7	23.4	19.8	1.9	2.7
18:00	341.1	341.5	328.5	327.4	26.6	19.6	12.8	2.5	4.1
19:00	237.7	236.7	233.0	230.6	35.7	33.0	31.0	2.7	3.4
20:00	219.8	155.4	253.6	192.5	26.9	35.4	38.3	.7	.9
21:00	44.9	82.6	326.9	69.5	35.9	21.6	16.2	1.0	1.3
22:00	226.2	158.8	265.6	158.7	20.9	45.3	26.2	1.0	1.2
23:00	238.5	188.4	273.2	190.0	37.6	24.7	17.4	1.1	1.6
Avg	235.0	219.0	242.0	218.0	31.3	26.2	22.1	.0	.0
Max	341.1	341.5	328.5	327.4	49.6	57.2	46.8	4.5	6.2
Hr. of Max	18	18	18	18	02	04	04	14	14
Min	44.9	82.6	197.9	69.5	14.6	7.4	5.3	.6	.9
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)

7/29/2016

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	3.5	1.9	3.1	3.8	2.2	4.0	-1.5	1.2	-.08
01:00	5.7	2.3	4.4	5.8	2.7	6.1	-1.1	.3	-.10
02:00	3.5	1.3	2.5	3.7	1.7	4.0	1.3	.1	.00
03:00	2.9	1.6	2.5	3.1	2.0	3.3	.4	-1.4	-.03
04:00	1.5	1.2	1.7	1.7	1.6	2.1	-.4	-4.2	-.01
05:00	3.5	1.6	2.6	3.7	2.1	3.9	1.1	.2	-.04
06:00	2.2	.9	1.6	2.3	1.3	2.6	2.5	-.4	.03
07:00	3.5	1.3	2.4	3.6	1.7	3.8	1.8	-1.5	.02
08:00	2.9	1.5	2.3	3.1	2.1	3.4	2.1	1.3	-.01
09:00	2.9	2.3	2.9	3.1	2.7	3.5	.0	2.2	-.11
10:00	3.6	2.6	3.2	3.8	3.0	4.2	3.1	2.2	.03
11:00	4.8	3.9	4.6	5.1	4.4	5.5	-1.0	-2.9	-.14
12:00	4.4	3.6	4.6	5.1	4.1	5.7	4.4	3.8	.13
13:00	5.1	4.5	5.4	6.0	5.0	6.6	-.3	2.6	-.10
14:00	7.3	5.1	6.7	7.9	5.7	8.4	3.0	-.8	.05
15:00	7.7	4.7	6.6	8.1	5.1	8.4	-1.5	-.7	-.36
16:00	6.0	4.6	5.6	6.7	5.1	7.2	-.4	1.1	-.25
17:00	3.4	3.6	5.0	6.2	4.1	6.7	1.1	-1.9	-.07
18:00	6.0	2.9	4.5	6.3	3.3	6.6	-2.6	-2.0	-.33
19:00	3.7	4.6	5.9	6.7	5.1	7.1	.0	-.9	-.04
20:00	1.1	1.5	1.6	1.5	1.9	2.0	-.7	-3.9	-.07
21:00	1.8	1.2	1.8	2.0	1.5	2.3	-.3	-1.4	-.06
22:00	1.9	1.2	1.5	2.2	1.5	2.4	-1.6	1.1	-.05
23:00	2.1	1.2	1.7	2.3	1.3	2.5	-.9	-2.9	-.05
Avg	.0	2.5	3.5	4.3	3.0	4.7	.4	-.4	-.07
Max	7.7	5.1	6.7	8.1	5.7	8.4	4.4	3.8	.13
Hr. of Max	15	14	14	15	14	15	12	12	12
Min	1.1	.9	1.5	1.5	1.3	2.0	-2.6	-4.2	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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7/29/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.08	4.1	5.7	8.5	6.2	3.3	23.8	23.9
01:00	.03	5.0	9.8	12.1	10.0	2.6	23.9	24.0
02:00	-.03	3.9	6.6	9.8	15.3	8.7	24.2	24.0
03:00	-.06	4.6	5.0	6.2	14.0	12.9	24.3	23.9
04:00	-.05	3.7	4.8	5.3	13.4	13.3	24.3	23.9
05:00	.00	4.8	8.0	8.7	16.9	8.6	24.2	23.7
06:00	-.04	2.5	3.4	4.6	14.3	8.6	24.3	23.8
07:00	-.12	3.2	5.7	6.2	15.3	5.8	24.3	23.9
08:00	-.03	4.6	7.6	7.8	22.6	16.4	24.7	24.1
09:00	.01	5.5	6.9	6.9	17.8	18.0	25.4	24.7
10:00	-.03	8.7	7.8	8.9	21.5	17.7	26.2	25.4
11:00	-.39	9.4	9.6	10.5	20.6	17.4	27.7	26.8
12:00	.22	11.0	10.1	12.4	23.9	22.6	29.0	28.1
13:00	-.05	11.4	11.4	11.9	21.2	21.2	30.0	29.1
14:00	-.37	12.4	15.1	14.7	19.9	15.0	30.4	29.6
15:00	-.24	12.8	13.5	18.5	16.9	10.6	29.1	28.4
16:00	-.03	14.7	15.6	16.3	19.0	14.4	28.9	28.1
17:00	-.28	9.6	10.8	11.2	21.0	12.9	30.1	29.3
18:00	-.32	10.5	14.2	16.9	21.0	8.5	29.4	28.8
19:00	-.12	15.1	17.2	17.2	20.2	16.3	28.7	27.9
20:00	-.13	7.1	8.2	12.1	15.7	18.5	26.2	25.9
21:00	-.07	3.2	5.3	4.6	12.1	9.2	25.2	25.6
22:00	.05	3.7	3.4	4.1	10.4	7.5	24.6	24.8
23:00	-.12	2.7	4.1	4.1	7.9	5.9	24.4	24.7
Avg	-.09	7.3	8.7	10.0	16.5	12.3	26.4	25.9
Max	.22	15.1	17.2	18.5	23.9	22.6	30.4	29.6
Hr. of Max	12	19	19	15	12	12	14	14
Min	-.39	2.5	3.4	4.1	6.2	2.6	23.8	23.7
Count	24	24	24	24	24	24	24	24
Total								