Date Printed: 08/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2016

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	22.7	22.8	23.0	23.3	.07	.25	.56	.17	.48
01:00	22.5	22.8	22.9	23.1	.31	.50	.68	.19	.38
02:00	21.9	22.3	22.4	22.7	.40	.54	.78	.13	.38
03:00	21.8	21.9	22.0	22.2	.16	.22	.42	.06	.27
04:00	21.7	21.7	21.9	22.2	.03	.24	.53	.21	.50
05:00	21.7	21.8	21.9	22.1	.13	.24	.45	.11	.32
06:00	21.7	21.7	21.9	22.1	.04	.22	.40	.18	.36
07:00	21.8	21.8	21.9	22.0	.03	.06	.19	.04	.16
08:00	22.5	22.3	22.2	22.2	-.21	-.34	-.30	-.13	-.09
09:00	23.5	23.1	22.9	22.9	-.38	-.60	-.63	-.21	-.24
10:00	24.3	23.9	23.7	23.6	-.33	-.57	-.63	-.23	-.30
11:00	25.0	24.6	24.3	24.2	-.44	-.73	-.83	-.29	-.40
12:00	25.5	25.1	24.9	24.8	-.43	-.67	-.75	-.24	-.32
13:00	24.8	24.5	24.4	24.3	-.25	-.41	-.45	-.16	-.21
14:00	24.2	23.9	23.8	23.8	-.23	-.37	-.41	-.14	-.18
15:00	24.3	23.9	23.8	23.7	-.35	-.53	-.61	-.18	-.25
16:00	24.6	24.3	24.0	24.0	-.35	-.59	-.65	-.24	-.30
17:00	25.0	24.7	24.5	24.4	-.35	-.59	-.65	-.24	-.30
18:00	25.1	24.7	24.6	24.5	-.34	-.52	-.56	-.18	-.21
19:00	24.7	24.6	24.5	24.4	-.06	-.23	-.26	-.17	-.20
20:00	22.9	23.1	23.5	23.8	.25	.60	.95	.35	.70
21:00	22.1	22.4	22.8	23.1	.29	.67	.92	.38	.63
22:00	21.4	21.7	22.0	22.3	.31	.60	.96	.29	.65
23:00	20.8	21.3	21.7	22.0	.46	.81	1.14	.35	.68
Avg	23.2	23.1	23.1	23.2	-.05	-.05	.05	.00	.10
Max	25.5	25.1	24.9	24.8	.46	.81	1.14	.38	.70
Hr. of Max	12	12	12	12	23	23	23	21	20
Min	20.8	21.3	21.7	22.0	-.44	-.73	-.83	-.29	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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8/19/2016

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	21.6	22.2	22.0	26.5	96.2	99.2	19.0	19.7	0.016772
01:00	21.5	22.2	21.8	26.4	96.7	99.3	18.8	19.6	0.016597
02:00	20.9	21.8	21.2	26.4	96.6	99.4	18.2	19.2	0.016037
03:00	20.9	21.4	21.2	26.3	97.1	99.5	18.2	18.8	0.015987
04:00	20.8	21.2	21.1	26.2	97.2	99.5	18.1	18.5	0.015921
05:00	20.8	21.3	21.1	26.1	97.2	99.5	18.1	18.7	0.015944
06:00	20.8	21.2	21.1	26.0	97.1	99.6	18.1	18.6	0.015923
07:00	20.9	21.3	21.2	25.9	97.1	99.6	18.2	18.7	0.016041
08:00	21.5	21.8	21.9	25.8	96.6	99.5	18.9	19.2	0.016663
09:00	21.6	21.7	22.3	25.8	91.8	94.5	19.0	19.1	0.016799
10:00	21.5	21.3	22.4	25.8	86.8	87.5	18.7	18.5	0.016629
11:00	21.3	21.0	22.6	25.8	82.3	82.6	18.5	18.2	0.016487
12:00	21.1	20.8	22.6	25.9	78.8	78.9	18.3	17.9	0.016296
13:00	21.5	21.0	22.6	26.0	84.3	83.3	18.7	18.2	0.016634
14:00	21.7	21.3	22.6	26.1	88.7	87.4	19.0	18.5	0.016918
15:00	21.5	21.0	22.5	26.2	86.9	86.1	18.8	18.2	0.016713
16:00	21.4	21.0	22.5	26.2	84.9	84.4	18.7	18.2	0.016634
17:00	20.8	20.4	22.2	26.3	79.5	79.0	17.9	17.5	0.015994
18:00	20.6	20.3	22.1	26.4	78.5	78.3	17.8	17.4	0.015828
19:00	20.8	20.4	22.1	26.4	81.0	79.5	17.9	17.5	0.015968
20:00	20.9	20.9	21.5	26.4	90.7	89.4	18.1	18.1	0.016036
21:00	20.6	20.9	21.1	26.4	93.6	93.7	17.9	18.2	0.015802
22:00	20.1	20.9	20.5	26.3	95.0	97.7	17.4	18.2	0.015301
23:00	19.7	20.6	20.1	26.2	95.5	97.9	17.0	17.9	0.014899
Avg	21.0	21.2	21.8	26.2	90.4	91.5	18.3	18.4	0.016201
Max	21.7	22.2	22.6	26.5	97.2	99.6	19.0	19.7	0.016918
Hr. of Max	14	01	14	00	05	07	14	00	14
Min	19.7	20.3	20.1	25.8	78.5	78.3	17.0	17.4	0.014899
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2016

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	0.01738	25.9	26.8	.00	29.17	987.7	-2.3	.00	246.2
01:00	0.017365	25.7	26.8	.00	29.16	987.4	-1.6	.00	277.8
02:00	0.016906	24.8	26.1	.00	29.15	987.0	-2.6	.00	241.6
03:00	0.01653	24.7	25.5	.00	29.14	986.9	-2.7	.00	242.4
04:00	0.016324	24.6	25.2	.00	29.14	986.9	-2.4	.00	216.2
05:00	0.016451	24.7	25.4	.00	29.14	986.7	-1.9	.00	234.4
06:00	0.016367	24.6	25.3	.00	29.14	986.9	-1.9	.00	243.8
07:00	0.016475	24.8	25.5	.00	29.15	987.0	20.9	.03	241.2
08:00	0.016936	25.8	26.2	.00	29.14	987.0	72.5	.10	231.5
09:00	0.016868	25.9	26.1	.00	29.14	986.8	274.3	.39	208.0
10:00	0.016433	25.7	25.4	.00	29.14	986.7	199.9	.29	194.3
11:00	0.016125	25.5	24.9	.00	29.15	987.0	326.0	.47	205.8
12:00	0.015906	25.2	24.6	.00	29.15	987.2	287.9	.41	230.8
13:00	0.016194	25.7	25.0	.00	29.15	987.1	174.0	.25	278.5
14:00	0.016441	26.1	25.4	.02	29.13	986.6	156.7	.22	284.6
15:00	0.016196	25.8	25.0	.02	29.11	985.7	252.5	.36	234.5
16:00	0.016191	25.7	25.0	.00	29.09	985.1	268.6	.39	223.9
17:00	0.015559	24.7	24.0	.00	29.08	984.8	207.6	.30	237.4
18:00	0.015466	24.4	23.9	.00	29.07	984.6	177.4	.25	260.6
19:00	0.015622	24.6	24.1	.00	29.07	984.3	107.4	.15	232.7
20:00	0.016047	24.7	24.8	.00	29.06	984.1	4.1	.01	249.7
21:00	0.016099	24.4	24.8	.00	29.07	984.4	-2.4	.00	274.6
22:00	0.01604	23.6	24.8	.00	29.08	984.7	-1.9	.00	243.3
23:00	0.015717	23.0	24.3	.00	29.07	984.5	-2.5	.00	260.5
Avg	0.016318	25.0	25.2	.00	29.12	986.1	104.5	.15	241.0
Max	0.01738	26.1	26.8	.02	29.17	987.7	326.0	.47	284.6
Hr. of Max	00	14	01	15	00	00	11	11	14
Min	0.015466	23.0	23.9	.00	29.06	984.1	-2.7	.00	194.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2016

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	214.9	251.2	243.5	247.3	35.5	49.9	41.1	.8	1.5
01:00	178.8	101.0	271.5	89.8	51.6	26.7	41.9	.6	.4
02:00	240.5	213.2	245.9	209.4	13.8	7.3	8.0	1.6	2.6
03:00	244.7	238.9	246.6	233.1	16.4	12.2	10.6	2.1	3.4
04:00	238.5	267.5	222.1	260.9	15.3	13.9	11.9	1.5	2.6
05:00	228.7	258.7	239.1	252.4	19.3	8.8	12.6	1.2	2.2
06:00	224.1	226.9	249.5	222.0	15.5	11.6	9.6	1.8	2.6
07:00	224.3	203.6	247.1	198.8	24.2	18.4	13.3	1.3	2.2
08:00	223.6	213.5	236.2	208.2	24.5	15.1	12.6	2.0	2.8
09:00	225.4	228.5	216.7	225.1	26.9	27.9	26.2	1.7	1.9
10:00	207.5	209.1	202.2	204.8	19.5	18.4	16.9	2.2	2.6
11:00	210.9	207.8	210.9	202.5	27.2	21.5	17.6	2.7	3.4
12:00	242.4	239.9	236.7	233.7	25.7	16.7	13.9	3.1	3.8
13:00	283.3	285.4	280.6	276.1	27.3	19.9	14.1	1.8	2.7
14:00	300.7	310.4	286.5	295.6	33.7	33.2	31.9	1.1	1.7
15:00	246.4	236.1	239.0	233.4	41.8	31.3	39.0	1.3	1.7
16:00	230.9	228.9	230.6	223.1	21.3	15.0	10.1	3.1	4.2
17:00	242.5	233.1	240.8	227.7	29.7	18.5	12.0	1.9	2.8
18:00	260.0	255.9	266.1	249.6	18.5	13.4	12.5	2.4	3.3
19:00	232.8	229.5	237.0	224.7	26.6	19.3	13.1	1.6	2.4
20:00	233.9	224.4	252.7	218.8	14.6	4.7	4.6	1.6	2.8
21:00	261.3	241.3	276.2	235.5	42.1	15.4	7.7	.8	1.6
22:00	238.7	254.2	242.9	247.7	17.6	14.6	5.1	1.0	1.7
23:00	246.6	231.1	267.4	227.0	31.3	10.4	7.3	1.0	1.5
Avg	236.0	235.0	245.0	230.0	25.8	18.5	16.4	.0	.0
Max	300.7	310.4	286.5	295.6	51.6	49.9	41.9	3.1	4.2
Hr. of Max	14	14	14	14	01	00	01	16	16
Min	178.8	101.0	202.2	89.8	13.8	4.7	4.6	.6	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2016

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	1.2	.9	1.7	1.8	1.3	2.0	.0	1.1	-.03
01:00	.5	.6	.8	.7	.9	1.0	.5	1.2	-.01
02:00	2.8	1.7	2.6	2.8	2.0	3.1	-.6	-.7	-.03
03:00	4.1	2.2	3.5	4.4	2.6	4.6	-1.8	.0	-.10
04:00	3.4	1.6	2.8	3.4	2.0	3.5	1.2	2.4	.02
05:00	2.2	1.3	2.3	2.3	1.6	2.4	-1.1	.5	-.03
06:00	3.0	1.9	2.7	3.1	2.2	3.4	-2.5	-.1	-.11
07:00	3.3	1.5	2.5	3.4	1.8	3.6	-1.8	-.9	-.07
08:00	3.3	2.2	2.9	3.5	2.5	3.7	-.2	-.3	-.05
09:00	2.1	1.9	2.1	2.3	2.5	2.7	.6	1.8	.01
10:00	2.7	2.4	2.7	2.9	2.8	3.2	-.2	-4.7	-.05
11:00	3.7	2.9	3.6	3.9	3.5	4.3	.0	-1.4	-.09
12:00	4.4	3.5	4.1	4.6	4.0	5.0	-2.3	-1.1	-.28
13:00	3.5	2.2	3.0	3.8	2.4	4.0	-1.4	-3.1	-.12
14:00	2.2	1.3	1.9	2.4	1.6	2.7	-2.7	-1.0	-.16
15:00	2.1	1.7	2.1	2.6	2.2	2.9	-2.9	-.9	-.15
16:00	4.7	3.3	4.4	4.8	3.9	5.2	-2.1	-3.1	-.25
17:00	3.4	2.1	2.9	3.4	2.6	3.7	.0	-1.7	-.09
18:00	3.5	2.6	3.4	3.6	2.9	3.9	-3.3	-5.1	-.25
19:00	2.9	1.9	2.6	3.1	2.2	3.4	2.0	-.6	.04
20:00	4.3	1.7	2.9	4.4	2.0	4.6	-1.1	-.6	-.04
21:00	2.7	.9	1.7	2.9	1.2	3.1	-.8	.0	-.03
22:00	3.2	1.1	1.8	3.3	1.5	3.5	-.8	.3	-.01
23:00	2.5	1.1	1.6	2.5	1.4	2.7	-.9	.5	-.04
Avg	.0	1.9	2.6	3.2	2.2	3.4	-.9	-.7	-.08
Max	4.7	3.5	4.4	4.8	4.0	5.2	2.0	2.4	.04
Hr. of Max	16	12	16	16	12	16	19	04	19
Min	.5	.6	.8	.7	.9	1.0	-3.3	-5.1	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/19/2016

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	.03	3.0	4.1	7.6	11.3	10.7	24.6	24.7
01:00	.03	2.1	2.3	2.1	9.7	14.5	24.5	24.6
02:00	-.03	3.0	3.7	4.4	4.7	3.1	24.0	24.2
03:00	-.01	4.4	6.6	6.9	7.5	3.7	23.6	23.6
04:00	.14	7.6	5.3	8.7	9.5	5.4	23.3	23.6
05:00	.02	2.3	5.7	5.3	7.0	4.1	23.5	23.6
06:00	-.01	3.2	5.7	4.4	7.4	3.4	23.4	23.5
07:00	-.07	3.4	6.0	7.3	7.9	4.1	23.5	23.4
08:00	-.08	5.0	6.4	8.2	14.8	10.7	24.0	23.6
09:00	-.02	7.1	6.2	6.4	21.2	22.0	24.8	24.2
10:00	-.26	5.0	7.8	12.1	17.2	17.0	25.6	24.9
11:00	-.14	6.4	9.2	8.5	19.0	15.8	26.1	25.4
12:00	-.22	8.0	11.2	11.9	15.8	14.1	26.7	26.0
13:00	-.30	6.4	7.8	11.4	17.8	10.8	26.3	25.7
14:00	-.22	6.0	6.4	6.6	20.3	20.0	25.7	25.1
15:00	-.13	4.8	5.5	6.0	22.6	19.9	25.7	25.1
16:00	-.32	7.3	8.0	10.5	14.4	9.6	25.9	25.2
17:00	-.20	6.4	8.2	8.0	18.7	13.4	26.3	25.6
18:00	-.39	6.0	6.0	6.2	14.3	9.9	26.3	25.7
19:00	-.08	4.6	6.4	8.0	16.8	10.4	26.2	25.6
20:00	-.05	3.4	5.7	6.4	5.0	1.7	24.8	25.1
21:00	.00	3.4	6.4	8.7	9.2	3.4	24.1	24.3
22:00	.02	3.4	4.1	6.0	8.1	3.6	23.3	23.7
23:00	.01	3.2	3.9	4.6	6.7	2.0	22.9	23.4
Avg	-.10	4.8	6.2	7.3	12.8	9.7	24.8	24.6
Max	.14	8.0	11.2	12.1	22.6	22.0	26.7	26.0
Hr. of Max	04	12	12	10	15	09	12	12
Min	-.39	2.1	2.3	2.1	4.7	1.7	22.9	23.4
Count	24	24	24	24	24	24	24	24
Total								