Date Printed: 07/29/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/28/2016

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	25.5	27.0	27.2	27.5	1.56	1.77	2.06	.21	.49
01:00	24.7	26.0	26.4	26.8	1.32	1.67	2.06	.35	.74
02:00	25.3	25.8	25.9	26.1	.47	.60	.82	.13	.35
03:00	25.1	25.2	25.2	25.3	.11	.07	.15	-.03	.05
04:00	24.3	24.5	24.5	24.6	.15	.17	.24	.01	.09
05:00	24.1	24.3	24.3	24.4	.22	.22	.33	-.01	.11
06:00	23.8	24.1	24.2	24.3	.34	.38	.49	.04	.15
07:00	24.1	24.1	24.0	24.1	-.02	-.09	.02	-.07	.03
08:00	25.1	24.8	24.6	24.5	-.32	-.54	-.58	-.22	-.26
09:00	26.4	25.8	25.5	25.4	-.56	-.88	-.99	-.32	-.43
10:00	26.7	26.1	25.8	25.7	-.63	-.96	-1.05	-.33	-.42
11:00	27.1	26.4	26.0	25.9	-.71	-1.05	-1.14	-.34	-.43
12:00	28.4	27.5	27.1	27.0	-.94	-1.31	-1.42	-.37	-.48
13:00	28.5	27.8	27.4	27.3	-.75	-1.09	-1.18	-.34	-.43
14:00	26.3	26.0	25.9	25.9	-.30	-.41	-.38	-.11	-.07
15:00	26.9	26.5	26.3	26.2	-.43	-.66	-.74	-.23	-.31
16:00	26.6	26.3	26.1	26.0	-.36	-.56	-.59	-.20	-.23
17:00	24.5	24.3	24.1	24.1	-.24	-.40	-.43	-.15	-.19
18:00	23.5	23.5	23.3	23.3	-.06	-.18	-.19	-.12	-.13
19:00	23.1	22.9	22.8	22.8	-.18	-.34	-.36	-.15	-.18
20:00	23.1	23.0	22.8	22.8	-.14	-.26	-.25	-.12	-.11
21:00	22.8	22.7	22.6	22.7	-.08	-.11	-.02	-.04	.06
22:00	22.6	22.6	22.6	22.7	-.02	.00	.11	.01	.13
23:00	22.4	22.4	22.5	22.7	.04	.13	.38	.09	.33
Avg	25.0	25.0	24.9	24.9	-.06	-.16	-.11	-.10	-.05
Max	28.5	27.8	27.4	27.5	1.56	1.77	2.06	.35	.74
Hr. of Max	13	13	13	00	00	00	01	01	01
Min	22.4	22.4	22.5	22.7	-.94	-1.31	-1.42	-.37	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/28/2016

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	21.3	20.5	22.7	30.1	79.9	69.6	18.4	17.5	0.016478
01:00	20.8	20.3	22.1	29.8	81.1	72.8	18.0	17.4	0.016002
02:00	20.3	20.1	22.0	29.6	75.9	72.7	17.4	17.1	0.015498
03:00	19.8	19.7	21.5	29.3	74.1	73.2	16.8	16.7	0.014972
04:00	19.8	19.7	21.3	29.1	77.9	76.8	16.9	16.8	0.01504
05:00	20.3	19.9	21.5	28.9	81.2	78.5	17.4	17.0	0.015446
06:00	20.5	20.1	21.6	28.7	84.2	80.5	17.7	17.2	0.015696
07:00	20.6	20.3	21.8	28.5	82.9	81.3	17.8	17.4	0.01579
08:00	20.6	20.5	22.1	28.3	78.4	79.1	17.7	17.6	0.015824
09:00	20.7	20.4	22.6	28.2	72.9	73.9	17.7	17.5	0.015888
10:00	20.6	20.4	22.7	28.2	71.3	72.9	17.7	17.5	0.015855
11:00	20.5	20.2	22.7	28.3	69.2	71.0	17.5	17.3	0.015713
12:00	20.2	20.0	23.0	28.4	63.0	65.5	17.2	17.0	0.015489
13:00	20.0	19.8	22.9	28.7	61.8	63.7	16.9	16.8	0.015284
14:00	21.1	20.8	22.8	28.9	75.6	75.4	18.2	17.9	0.016349
15:00	21.4	21.1	23.3	29.0	73.9	74.2	18.5	18.2	0.016686
16:00	21.4	21.2	23.1	29.1	75.4	76.0	18.5	18.3	0.016644
17:00	22.7	22.7	23.3	29.1	92.1	93.7	20.1	20.2	0.018004
18:00	22.1	22.3	22.6	29.0	94.1	95.9	19.5	19.7	0.01735
19:00	21.6	21.8	22.1	28.7	93.7	96.0	18.9	19.2	0.016828
20:00	21.6	21.7	22.1	28.4	93.9	95.3	18.9	19.1	0.016832
21:00	21.6	21.8	22.0	28.2	95.9	97.7	19.0	19.2	0.016818
22:00	21.6	21.8	21.9	28.0	96.9	98.4	19.0	19.2	0.01681
23:00	21.5	21.8	21.8	27.8	97.2	99.1	18.8	19.2	0.016655
Avg	20.9	20.8	22.3	28.8	80.9	80.6	18.1	18.0	0.016165
Max	22.7	22.7	23.3	30.1	97.2	99.1	20.1	20.2	0.018004
Hr. of Max	17	17	17	00	23	23	17	17	17
Min	19.8	19.7	21.3	27.8	61.8	63.7	16.8	16.7	0.014972
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/28/2016

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	0.015735	25.4	24.3	.00	29.08	984.9	-2.4	.00	243.8
01:00	0.015535	24.7	24.0	.00	29.08	984.8	-2.1	.00	242.1
02:00	0.015269	23.9	23.6	.00	29.08	984.6	-2.5	.00	212.1
03:00	0.014883	23.1	23.0	.00	29.07	984.4	-2.0	.00	211.3
04:00	0.014953	23.2	23.1	.00	29.06	984.1	-2.5	.00	221.8
05:00	0.015134	23.8	23.4	.00	29.06	984.2	-2.2	.00	242.0
06:00	0.01532	24.2	23.7	.00	29.06	984.3	.1	.00	235.7
07:00	0.015474	24.4	23.9	.00	29.06	984.2	29.0	.04	239.8
08:00	0.015674	24.4	24.2	.00	29.06	984.3	151.5	.22	227.5
09:00	0.0156	24.5	24.1	.00	29.06	984.3	354.8	.51	215.0
10:00	0.015616	24.5	24.1	.00	29.06	984.2	331.4	.48	211.8
11:00	0.015454	24.2	23.9	.00	29.06	984.1	413.9	.59	212.9
12:00	0.015238	23.9	23.5	.00	29.05	983.7	633.0	.91	210.2
13:00	0.01509	23.6	23.3	.00	29.03	983.1	451.5	.65	207.8
14:00	0.016023	25.2	24.7	.00	29.02	982.6	245.8	.35	224.2
15:00	0.016314	25.7	25.1	.00	29.00	982.2	359.9	.52	211.4
16:00	0.016419	25.6	25.2	.03	28.99	981.7	203.9	.29	227.7
17:00	0.018047	27.6	27.7	.03	28.99	981.8	114.8	.16	242.0
18:00	0.017606	26.7	27.0	.61	29.00	982.1	9.1	.01	264.1
19:00	0.017042	25.9	26.2	.02	29.02	982.8	93.7	.13	233.9
20:00	0.016945	25.9	26.1	.00	29.03	983.2	9.4	.01	228.6
21:00	0.017053	25.9	26.2	.03	29.04	983.6	-2.3	.00	246.1
22:00	0.017052	25.9	26.3	.01	29.06	984.1	-2.6	.00	243.8
23:00	0.017026	25.7	26.2	.00	29.06	984.0	-2.3	.00	240.7
Avg	0.016021	24.9	24.7	.03	29.05	983.6	140.9	.20	228.0
Max	0.018047	27.6	27.7	.61	29.08	984.9	633.0	.91	264.1
Hr. of Max	17	17	17	18	02	00	12	12	18
Min	0.014883	23.1	23.0	.00	28.99	981.7	-2.6	.00	207.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/28/2016

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	233.0	221.6	245.9	216.0	16.4	8.6	6.7	1.5	3.7
01:00	229.4	213.3	245.8	207.7	12.4	8.3	7.4	2.6	4.8
02:00	207.4	201.2	217.0	195.1	20.5	12.4	8.6	3.3	6.2
03:00	215.0	209.4	216.7	203.3	22.9	14.2	10.1	3.4	6.1
04:00	215.7	207.6	226.3	202.0	16.5	10.8	9.2	2.5	4.4
05:00	234.4	221.2	246.2	216.1	14.0	8.1	6.3	1.8	3.4
06:00	231.9	215.7	239.5	211.4	10.7	8.8	7.6	1.5	2.2
07:00	229.8	217.5	243.6	212.1	20.3	13.1	9.6	2.0	3.6
08:00	228.8	223.4	233.6	217.3	24.7	17.1	12.2	3.7	5.9
09:00	219.4	215.6	220.2	209.2	25.1	17.8	13.1	5.6	8.2
10:00	218.9	217.3	217.6	211.1	22.7	16.7	11.7	6.1	8.8
11:00	219.3	216.5	220.1	210.3	23.7	17.4	13.3	6.6	9.2
12:00	217.2	214.1	215.3	207.6	27.4	22.2	17.0	7.1	9.6
13:00	214.1	211.5	213.1	205.0	26.2	19.7	15.8	7.5	10.7
14:00	227.3	223.8	229.1	217.3	28.0	19.3	14.3	5.5	8.4
15:00	217.9	214.7	217.4	208.5	23.4	16.9	13.8	6.2	9.2
16:00	231.4	227.7	232.4	221.0	25.0	18.0	14.4	5.5	8.4
17:00	246.4	241.8	248.0	235.9	21.7	15.9	13.3	3.4	4.9
18:00	280.8	279.1	269.4	270.1	33.6	25.2	25.1	3.7	5.1
19:00	248.2	251.0	237.4	245.0	23.2	18.9	15.6	2.7	3.9
20:00	242.0	245.6	229.2	241.3	38.9	27.7	23.6	1.1	2.0
21:00	237.7	225.3	250.1	220.6	30.2	22.1	14.8	1.9	3.4
22:00	250.0	255.6	247.3	248.9	15.9	10.4	9.9	2.0	3.7
23:00	250.0	263.5	244.0	256.5	22.7	17.0	10.5	1.7	3.0
Avg	230.0	226.0	233.0	220.0	22.8	16.1	12.7	.0	.0
Max	280.8	279.1	269.4	270.1	38.9	27.7	25.1	7.5	10.7
Hr. of Max	18	18	18	18	20	20	18	13	13
Min	207.4	201.2	213.1	195.1	10.7	8.1	6.3	1.1	2.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/28/2016

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	6.0	1.6	3.8	6.1	1.9	6.4	-1.7	-.5	-.07
01:00	6.8	2.6	4.8	6.8	3.0	7.2	-2.8	-.7	-.17
02:00	8.8	3.5	6.3	8.9	3.9	9.4	-.3	-.5	-.10
03:00	8.4	3.7	6.3	8.6	4.2	9.0	.4	-.7	-.11
04:00	5.9	2.6	4.5	6.0	3.0	6.3	-1.6	-.7	-.13
05:00	4.8	1.8	3.5	4.9	2.2	5.2	-1.4	-1.1	-.07
06:00	3.6	1.6	2.3	3.7	2.0	3.9	-1.3	-1.5	-.05
07:00	5.5	2.1	3.7	5.6	2.5	5.9	-.9	-.5	-.09
08:00	7.8	4.1	6.1	8.0	4.6	8.5	.4	-.8	-.12
09:00	10.4	6.0	8.6	10.7	6.6	11.3	1.4	.5	-.11
10:00	11.2	6.5	9.1	11.4	7.1	12.1	1.0	-.5	-.12
11:00	11.3	7.1	9.6	11.6	7.6	12.3	.5	-2.5	-.20
12:00	11.3	7.9	10.3	11.8	8.7	12.4	-1.4	-.8	-.45
13:00	12.8	8.2	11.3	13.3	9.0	14.0	-.7	-2.3	-.38
14:00	10.9	6.2	9.1	11.5	6.8	12.1	-.2	-.6	-.26
15:00	11.3	6.7	9.6	11.6	7.3	12.3	.0	-1.4	-.25
16:00	10.7	6.0	8.9	11.2	6.6	11.9	.3	.5	-.21
17:00	6.0	3.6	5.1	6.1	4.1	6.5	-2.9	-1.7	-.30
18:00	6.6	4.2	5.7	7.1	4.8	7.3	-3.1	-.2	-.38
19:00	5.1	2.9	4.1	5.3	3.3	5.6	.8	.9	-.10
20:00	2.9	1.5	2.7	3.8	1.9	4.0	1.8	.0	-.03
21:00	4.5	2.0	3.6	4.7	2.4	4.9	-1.3	-1.2	-.09
22:00	5.0	2.0	3.8	5.2	2.3	5.4	.1	.2	-.05
23:00	4.4	1.8	3.2	4.6	2.1	4.8	-2.0	.4	-.09
Avg	.0	4.0	6.1	7.9	4.5	8.3	-.6	-.7	-.16
Max	12.8	8.2	11.3	13.3	9.0	14.0	1.8	.9	-.03
Hr. of Max	13	13	13	13	13	13	20	19	20
Min	2.9	1.5	2.3	3.7	1.9	3.9	-3.1	-2.5	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/28/2016

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	-.07	3.7	6.4	10.8	7.0	4.0	28.5	28.7
01:00	-.10	5.7	8.9	11.4	5.3	4.2	27.6	28.0
02:00	-.17	11.0	13.3	15.3	15.4	6.9	27.3	27.3
03:00	-.19	12.8	16.5	25.6	16.8	7.6	26.7	26.4
04:00	-.12	8.2	11.4	18.3	11.2	6.3	26.0	25.8
05:00	-.12	4.4	9.2	10.5	7.6	4.4	25.9	25.6
06:00	-.10	3.4	4.8	8.0	4.2	4.0	25.7	25.5
07:00	-.07	7.6	10.1	11.7	13.1	7.1	25.7	25.4
08:00	-.26	10.8	13.7	14.7	18.3	10.1	26.3	25.7
09:00	-.12	18.3	19.0	23.1	19.2	11.2	27.3	26.5
10:00	-.26	17.6	19.5	23.1	17.8	9.0	27.5	26.7
11:00	-.65	19.0	20.8	22.4	17.1	9.4	27.8	26.9
12:00	-.33	20.6	21.3	21.3	16.2	11.2	28.7	27.9
13:00	-.79	20.8	24.5	24.7	17.2	10.7	29.0	28.2
14:00	-.26	23.4	23.4	26.3	16.9	9.0	27.6	27.2
15:00	-.49	21.3	23.4	25.2	18.1	10.0	28.1	27.4
16:00	-.08	17.6	19.2	22.2	18.0	9.7	27.9	27.3
17:00	-.25	14.9	16.3	21.5	14.0	8.6	26.2	25.6
18:00	-.24	14.4	16.0	17.9	15.3	11.0	25.4	24.9
19:00	-.01	8.2	9.8	12.1	17.6	10.7	24.8	24.2
20:00	-.10	5.7	7.1	8.7	21.8	11.4	24.7	24.3
21:00	-.07	5.3	6.9	8.5	11.0	4.8	24.4	24.2
22:00	.00	4.6	6.4	8.9	10.5	4.8	24.3	24.1
23:00	.02	8.2	10.5	11.2	9.0	5.1	24.1	24.2
Avg	-.20	12.0	14.1	16.8	14.1	8.0	26.6	26.2
Max	.02	23.4	24.5	26.3	21.8	11.4	29.0	28.7
Hr. of Max	23	14	13	14	20	20	13	00
Min	-.79	3.4	4.8	8.0	4.2	4.0	24.1	24.1
Count	24	24	24	24	24	24	24	24
Total								