Date Printed: 08/01/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2016

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	22.3	23.3	23.8	24.3	.91	1.45	1.95	.53	1.03
01:00	22.0	23.1	23.4	23.8	1.09	1.39	1.82	.30	.74
02:00	21.8	22.7	23.1	23.4	.92	1.35	1.62	.43	.71
03:00	21.7	22.3	22.7	22.9	.65	1.05	1.23	.40	.58
04:00	21.9	22.4	22.7	22.8	.50	.77	.94	.27	.45
05:00	22.0	22.1	22.5	22.7	.17	.50	.69	.33	.52
06:00	22.4	22.3	22.4	22.6	-.11	.03	.22	.14	.33
07:00	22.7	22.7	22.8	22.8	-.02	.01	.07	.03	.08
08:00	23.7	23.5	23.3	23.3	-.28	-.44	-.45	-.16	-.17
09:00	24.3	23.9	23.7	23.7	-.33	-.53	-.61	-.19	-.27
10:00	25.3	24.8	24.5	24.4	-.50	-.78	-.89	-.29	-.39
11:00	27.3	26.5	26.2	26.1	-.85	-1.16	-1.26	-.31	-.41
12:00	29.3	28.1	27.8	27.7	-1.16	-1.46	-1.58	-.30	-.42
13:00	30.5	29.4	29.0	28.9	-1.15	-1.49	-1.63	-.35	-.48
14:00	28.9	27.7	27.4	27.2	-1.14	-1.52	-1.69	-.37	-.55
15:00	26.2	25.6	25.4	25.6	-.66	-.84	-.63	-.18	.03
16:00	28.8	27.9	27.6	27.4	-.91	-1.23	-1.37	-.31	-.45
17:00	30.2	29.3	28.9	28.8	-.97	-1.30	-1.40	-.33	-.43
18:00	30.4	29.8	29.4	29.3	-.68	-1.01	-1.11	-.32	-.43
19:00	28.5	29.1	29.3	29.3	.55	.74	.75	.18	.20
20:00	26.2	26.9	28.3	28.8	.73	2.06	2.58	1.33	1.85
21:00	24.6	25.9	26.8	27.3	1.27	2.21	2.69	.93	1.42
22:00	23.8	24.9	25.6	26.1	1.09	1.76	2.28	.66	1.19
23:00	23.2	24.1	24.7	25.0	.89	1.49	1.84	.60	.95
Avg	25.3	25.3	25.5	25.6	.00	.13	.25	.13	.25
Max	30.5	29.8	29.4	29.3	1.27	2.21	2.69	1.33	1.85
Hr. of Max	13	18	18	19	21	21	21	20	20
Min	21.7	22.1	22.4	22.6	-1.16	-1.52	-1.69	-.37	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2016

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	21.0	22.3	21.4	28.3	94.4	97.1	18.3	19.8	0.016134
01:00	20.7	22.4	21.2	28.0	94.9	98.6	18.0	19.9	0.015896
02:00	20.6	22.1	21.0	27.8	95.2	98.9	17.9	19.5	0.015733
03:00	20.5	21.7	20.9	27.6	95.5	99.0	17.8	19.1	0.015682
04:00	20.7	21.8	21.1	27.4	95.4	99.0	18.0	19.2	0.015848
05:00	20.8	21.5	21.2	27.2	95.6	99.0	18.1	18.9	0.015958
06:00	21.2	21.6	21.6	27.1	95.6	99.0	18.5	19.0	0.016331
07:00	21.6	21.9	22.0	26.9	95.6	97.9	18.9	19.3	0.016715
08:00	22.0	22.1	22.6	26.8	92.7	94.8	19.4	19.5	0.017203
09:00	21.7	21.7	22.6	26.8	88.1	89.7	19.0	19.0	0.016865
10:00	21.7	21.2	22.9	26.8	82.9	83.0	18.9	18.4	0.016833
11:00	21.2	20.4	23.2	26.8	71.1	71.1	18.2	17.4	0.016325
12:00	20.7	20.1	23.6	27.1	62.0	63.5	17.7	17.0	0.015927
13:00	20.0	19.5	23.5	27.7	55.2	57.1	16.9	16.4	0.015284
14:00	18.6	18.4	22.0	28.3	55.5	58.3	15.5	15.3	0.013944
15:00	19.5	19.3	21.8	28.7	68.6	70.4	16.6	16.4	0.014763
16:00	19.8	19.3	22.8	28.8	60.6	61.9	16.8	16.3	0.015101
17:00	19.2	18.9	22.9	28.9	53.3	55.2	16.0	15.8	0.014512
18:00	19.6	19.4	23.2	29.0	54.2	55.3	16.5	16.2	0.014942
19:00	21.3	20.6	23.7	29.0	67.1	62.3	18.3	17.6	0.016502
20:00	22.0	21.5	23.4	29.0	80.1	74.5	19.2	18.6	0.017224
21:00	21.5	21.7	22.5	28.9	85.4	80.3	18.7	18.9	0.016673
22:00	21.5	22.1	22.3	28.7	89.2	86.7	18.8	19.4	0.016636
23:00	21.3	22.0	21.9	28.5	91.8	90.6	18.6	19.3	0.016471
Avg	20.8	21.0	22.3	27.9	80.0	81.0	17.9	18.2	0.015979
Max	22.0	22.4	23.7	29.0	95.6	99.0	19.4	19.9	0.017224
Hr. of Max	20	01	19	20	07	06	08	01	20
Min	18.6	18.4	20.9	26.8	53.3	55.2	15.5	15.3	0.013944
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2016

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	0.017542	24.9	27.0	.00	29.10	985.5	-2.0	.00	320.7
01:00	0.017633	24.6	27.2	.00	29.11	985.6	-2.1	.00	263.6
02:00	0.017267	24.3	26.6	.00	29.10	985.4	-2.4	.00	282.9
03:00	0.016922	24.2	26.1	.00	29.10	985.4	-1.9	.00	262.0
04:00	0.016964	24.5	26.2	.00	29.10	985.5	-2.6	.00	255.2
05:00	0.016694	24.7	25.8	.00	29.11	985.8	-2.5	.00	234.1
06:00	0.016803	25.2	25.9	.00	29.12	986.2	-1.3	.00	226.1
07:00	0.0171	25.8	26.4	.00	29.13	986.6	25.1	.04	257.2
08:00	0.017294	26.6	26.7	.00	29.15	987.0	92.0	.13	246.2
09:00	0.016837	26.1	26.0	.00	29.16	987.4	105.4	.15	240.9
10:00	0.016364	26.0	25.3	.00	29.17	987.7	377.1	.54	158.2
11:00	0.015526	25.3	24.1	.00	29.17	987.7	754.0	1.08	177.9
12:00	0.015252	24.7	23.6	.00	29.16	987.4	882.5	1.27	219.0
13:00	0.014793	23.7	22.9	.00	29.15	987.0	911.5	1.31	236.4
14:00	0.013713	21.6	21.3	.00	29.15	987.1	740.2	1.06	341.8
15:00	0.014569	22.9	22.6	.00	29.13	986.3	271.9	.39	311.0
16:00	0.014626	23.4	22.6	.00	29.11	985.7	656.3	.94	300.3
17:00	0.014226	22.5	22.0	.00	29.09	985.2	458.9	.66	313.2
18:00	0.014665	23.1	22.7	.00	29.09	985.0	329.5	.47	325.0
19:00	0.01586	25.5	24.5	.00	29.10	985.4	129.9	.19	312.8
20:00	0.016724	26.6	25.8	.00	29.11	985.9	11.8	.02	331.1
21:00	0.016929	25.8	26.1	.00	29.13	986.5	-1.8	.00	306.0
22:00	0.017253	25.7	26.6	.00	29.14	987.0	-2.5	.00	283.9
23:00	0.017147	25.5	26.5	.00	29.15	987.1	-2.3	.00	300.6
Avg	0.016196	24.7	25.0	.00	29.13	986.3	238.5	.34	274.0
Max	0.017633	26.6	27.2	.00	29.17	987.7	911.5	1.31	341.8
Hr. of Max	01	20	01	23	11	11	13	13	14
Min	0.013713	21.6	21.3	.00	29.09	985.0	-2.6	.00	158.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2016

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	2.9	171.7	313.3	201.7	48.3	38.1	33.9	.6	.1
01:00	239.6	201.5	266.2	198.9	14.5	14.4	9.1	1.7	2.6
02:00	246.9	202.1	283.2	201.5	40.7	14.1	11.4	1.0	1.6
03:00	241.4	208.5	260.7	219.8	29.6	14.4	12.3	.6	1.1
04:00	237.1	203.8	257.4	205.7	22.3	12.3	12.2	1.1	1.6
05:00	246.2	239.0	239.5	233.2	16.7	13.6	8.0	2.0	3.0
06:00	238.2	241.8	233.8	236.7	17.9	16.5	11.2	1.4	2.5
07:00	224.5	192.8	259.4	193.9	40.1	27.7	14.5	.6	1.2
08:00	253.2	240.5	250.8	238.8	30.5	25.7	23.5	1.2	1.7
09:00	243.4	232.6	245.4	233.0	29.7	22.7	24.5	1.4	1.8
10:00	167.3	167.4	165.5	167.1	27.2	26.2	26.0	1.3	1.3
11:00	206.5	201.1	188.5	199.1	65.6	60.1	53.4	1.0	1.3
12:00	228.4	227.4	227.0	221.9	34.0	31.4	28.3	3.1	3.7
13:00	240.7	240.7	241.0	233.5	53.2	48.7	43.7	3.2	4.0
14:00	351.3	350.1	341.4	336.6	29.2	20.6	16.8	5.9	8.1
15:00	323.5	321.6	310.2 +	309.0	37.5	33.0	24.8	2.6	4.2
16:00	314.1	324.1	289.8	310.2	57.5	48.4	44.5	1.3	1.9
17:00	335.0	346.2	312.2	327.8	34.8	31.3	36.8	2.0	2.3
18:00	340.0	350.6	322.8	333.1	26.0	20.6	17.8	2.2	2.9
19:00	326.8	341.1	310.9	322.6	14.8	12.0	12.8	1.4	2.0
20:00	23.2	11.3	326.3	344.9	28.7	31.8	29.0	.9	.7
21:00	31.4	29.7	302.7	10.2	31.4	17.7	17.5	.5	1.7
22:00	68.9	86.5	281.9	67.9	28.6	30.7	15.9	.5	.5
23:00	13.5	91.0	297.8	29.8	32.7	39.2	23.2	.9	.4
Avg	280.0	241.0	274.0	252.0	33.0	27.1	23.0	.0	.0
Max	351.3	350.6	341.4	344.9	65.6	60.1	53.4	5.9	8.1
Hr. of Max	14	18	14	20	11	11	11	14	14
Min	2.9	11.3	165.5	10.2	14.5	12.0	8.0	.5	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2016

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	.4	.8	.1	.6	1.0	1.2	.7	-1.7	.01
01:00	3.0	1.8	2.7	3.0	2.0	3.3	-1.2	-.9	-.05
02:00	2.1	1.2	1.6	2.3	1.4	2.5	-.3	-1.3	-.03
03:00	1.4	.7	1.1	1.4	1.1	1.8	2.4	.4	.05
04:00	2.0	1.2	1.7	2.0	1.6	2.3	.3	-1.1	-.01
05:00	4.0	2.1	3.1	4.1	2.5	4.3	-1.1	.1	-.07
06:00	3.5	1.5	2.6	3.6	1.9	3.8	-.5	-.1	-.04
07:00	2.1	1.0	1.4	2.1	1.3	2.4	-1.5	.3	-.04
08:00	2.0	1.6	2.0	2.2	1.9	2.5	-1.1	-1.4	-.06
09:00	1.8	1.7	2.0	1.9	2.0	2.2	-.7	-2.4	-.10
10:00	1.4	2.0	2.2	2.3	2.5	2.7	3.9	-1.6	.18
11:00	1.5	2.0	2.4	2.5	2.7	3.1	-4.0	-7.2	-.19
12:00	4.0	3.5	4.2	4.4	4.2	5.0	-3.2	-10.6	-.31
13:00	4.5	4.9	6.1	6.9	5.5	7.6	-3.0	-4.0	-.45
14:00	9.5	6.6	8.6	9.9	7.1	10.6	-7.1	-4.9	-1.17
15:00	6.8	3.7	5.1	7.5	4.2	7.8	-3.7	.6	-.50
16:00	2.4	2.3	2.7	3.0	2.8	3.4	.5	4.1	-.01
17:00	2.0	2.3	2.5	2.3	2.7	2.8	-4.6	-3.9	-.37
18:00	2.9	2.3	3.0	3.0	2.7	3.3	-7.5	-6.2	-.42
19:00	1.9	1.5	2.2	2.0	1.7	2.2	.5	-3.0	-.02
20:00	1.1	1.1	1.2	1.5	1.2	1.8	1.0	4.3	.02
21:00	2.3	.7	1.9	2.6	.9	2.8	-.9	2.4	-.03
22:00	.8	.7	.5	.8	1.0	1.1	.9	.1	.01
23:00	.3	1.5	1.1	.7	1.7	1.1	1.4	1.7	.02
Avg	.0	2.0	2.6	3.0	2.4	3.4	-1.2	-1.5	-.15
Max	9.5	6.6	8.6	9.9	7.1	10.6	3.9	4.3	.18
Hr. of Max	14	14	14	14	14	14	10	20	10
Min	.3	.7	.1	.6	.9	1.1	-7.5	-10.6	-1.17
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.04	2.3	1.4	2.3	5.9	5.6	25.0	25.9
01:00	-.06	3.7	4.4	4.8	5.0	3.4	24.9	25.4
02:00	-.05	3.0	3.9	5.7	7.4	2.9	24.4	24.9
03:00	.01	2.3	5.0	6.0	6.1	3.4	24.0	24.4
04:00	-.04	3.4	3.7	4.1	5.6	3.3	24.0	24.3
05:00	.00	4.1	4.8	5.7	6.1	2.8	23.8	24.1
06:00	-.01	3.7	4.8	7.1	10.4	4.2	23.9	24.0
07:00	.01	2.3	3.0	4.4	10.2	5.2	24.5	24.3
08:00	-.07	3.2	4.4	4.1	14.6	9.9	25.2	24.7
09:00	-.14	4.1	3.9	4.1	18.4	14.9	25.7	25.0
10:00	-.03	5.0	5.7	5.7	22.5	21.3	26.5	25.7
11:00	-.50	10.1	9.4	6.6	29.7	32.2	28.1	27.3
12:00	-.95	9.4	10.3	11.0	22.7	21.2	29.4	28.5
13:00	-.56	19.5	22.4	23.4	22.6	18.9	30.5	29.5
14:00	-.99	14.7	18.1	18.8	17.7	10.9	29.0	27.9
15:00	-.15	12.1	14.7	16.5	21.8	13.7	27.0	26.6
16:00	.10	7.8	7.1	10.5	28.4	24.1	29.3	28.5
17:00	-.25	8.0	7.6	8.7	24.3	25.1	30.6	29.8
18:00	-.32	4.8	5.5	6.9	18.0	15.5	31.1	30.3
19:00	-.12	4.4	5.3	6.2	9.9	5.2	30.5	30.4
20:00	.13	3.7	3.4	3.7	9.4	13.9	28.5	29.9
21:00	.15	5.7	4.1	6.0	11.1	6.9	27.5	28.7
22:00	.00	1.8	2.3	4.1	6.9	7.6	26.6	27.6
23:00	.03	2.7	3.4	3.7	8.2	6.1	25.8	26.5
Avg	-.16	5.9	6.6	7.5	14.3	11.6	26.9	26.8
Max	.15	19.5	22.4	23.4	29.7	32.2	31.1	30.4
Hr. of Max	21	13	13	13	11	11	18	19
Min	-.99	1.8	1.4	2.3	5.0	2.8	23.8	24.0
Count	24	24	24	24	24	24	24	24
Total								