

CXUS51 KILN 010544

CF6DAY

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: DAYTON OH

MONTH: AUGUST

YEAR: 2018

LATITUDE: 39 54 N

LONGITUDE: 84 12 W

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TEMPERATURE IN F:      :PCPN:      SNOW:  WIND      :SUNSHINE: SKY      :PK WND
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1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18	+
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12Z AVG MX 2MIN

DY MAX MIN AVG DEP HDD CDD WTR SNW DPTH SPD SPD DIR MIN PSBL S-S WX SPD DR +

$$\frac{d}{dt} \left(\frac{1}{2} m v^2 + \frac{1}{2} I \omega^2 \right) = \tau \omega$$

1	78	65	72	-2	0	7	0.00	0.0	0	5.7	13	270	M	M	9	1	15	270	+
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2 81 64 73 -1 0 8 0.00 0.0 0 4.5 12 210 M M 8 12 13 220 +

3	86	65	76	2	0	11	0.00	0.0	0	8.0	16	230	M	M	4	13	20	230	+
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4	89	69	79	5	0	14	T	0.0	0	6.0	14	320	M	M	3	3	16	320	+
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5	91	69	80	6	0	15	0.00	0.0	0	6.9	16	220	M	M	3	1	20	220	+
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6 91 71 81 8 0 16 0.00 0.0 0 9.3 18 240 M M 4 22 220 +

7 85 67 76 3 0 11 0.60 0.0 0 8.6 23 330 M M 8 13 29 320 +

8 84 68 76 3 0 11 0.06 0.0 0 8.6 18.330 M M 6 13 24 340 +

9	85	64	75	2	0	10	0.00	0.0	0	6.5	15	250	M	M	3	1	19	270	+
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10 87 69 78 5 0 13 0.46 0.0 0 8.1 18 360 M M 7 13 27 360 +

11 81 66 74 1 0 9 0 32 0 0 0 5 7 14 40 M M 5 1 17 30 +

12 82 62 72 -1 0 7 0 04 0 0 0 3 8 17 110 M M 4 13 23 120 +

13	83	62	73	0	0	8	0	00	0	0	0	4	5	13	320	M	M	2	15	340	+
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14	85	62	74	1	0	9	0	00	0	0	0	5	5	14	280	M	M	4	1	19	270	+
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15	82	68	75	2	0	10	0	14	0	0	0	7	0	17	190	M	M	9	13	24	190	+
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16	77	68	73	0	0	8	0	18	0	0	0	12	2	25	190	M	M	10	1	34	180	+
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17	80	70	75	2	0	10	1	28	0	0	0	9	7	22	220	M	M	9	13	25	220	+
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18	83	67	75	2	0	10	T	0	0	0	7	3	17	30	M	M	6	12	20	20	+
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19	83	62	73	0	0	8	0	00	0	0	0	4	4	10	40	M	M	1	1	13	30	+
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20	83	64	74	2	0	9	0	52	0	0	0	8	9	20	120	M	M	7	13	26	50	+
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20	80	61	71	2	0	0	0.62	0.6	0	0.6	20	220	11	11	7	10	20	30		
21	80	69	75	3	0	10	0.64	0.0	0	12	0	26	200	M	M	8	138	33	280	+

22	74	60	67	5	0	2	0	00	0	0	0	12	0	22	320	M	M	2		27	320	+
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22	74	55	57	5	5	2	5100	510	5	1210	22	555	11	11	5	27	555	+		
23	78	53	66	6	0	1	0	00	0	0	5	5	10	60	M	M	1	13	70	+

24	70	57	68	-4	0	3	0	00	0	0	0	8	6	16	100	M	M	5	23	220	+
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24	76	67	73	1	0	9	0	00	0	0	0	00	10	100	11	11	0	20	220	+		
25	77	68	72	1	0	8	0	00	0	0	0	12	6	24	220	M	M	0	12	21	100	+

26	00	72	81	0	0	16	0	00	0	0	0	11	7	17	240	M	M	6	1	21	270	+
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20	00	72	81	0	0	10	0100	010	0	1111	11	240	11	11	0	1	21	210	1	
27	00	73	82	10	0	17	0 00	0 0	0	11	0	22	220	M	M	2	1	26	240	1

27	50	75	92	10	0	17	0.00	0.0	0	11.5	22	250	11	11	2	1	20	240	1	
28	00	73	83	11	0	17	0.00	0.0	0	11	7	20	360	M	M	1		25	110	1

20	50	75	92	11	0	17	0.00	0.0	0	11.7	20	200	H	H	1	20	110	+
20	80	70	80	0	0	15	T	0.0	0	11.3	26	200	M	M	4	24	240	+

29	89	70	90	9	0	19	T	0.0	0	11.9	29	200	H	H	4	34	240	1
20	82	65	74	2	0	0	T	0.0	0	6.7	17	20	M	M	7	20	20	1

30	82	65	74	5	0	5	1	0.0	0	0.7	17	20	11	11	7	30	20	1		
21	87	63	75	4	0	10	0	00	0	4	5	18	220	M	M	5	3	23	220	1

01	07	02	75	4	0	10	0.00	0.0	0	4.0	10	250	11	11	5	5	22	250

SM 2592 2044	0 312 4.33	0.0 249.7	M	163	+
=====					+
AV 83.6 65.9		8.1 FASTST	M	M 5	MAX(MPH) +
	MISC ---->	# 26 290		# 34 180	+ +
=====					+
NOTES:					+
# LAST OF SEVERAL OCCURRENCES					+
COLUMN 17 PEAK WIND IN M.P.H.					+
\x0C					+
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2					+
STATION: DAYTON OH					+
MONTH: AUGUST					+
YEAR: 2018					+
LATITUDE: 39 54 N					+
LONGITUDE: 84 12 W					+
[TEMPERATURE DATA] [PRECIPITATION DATA] SYMBOLS USED IN COLUMN 16					+
AVERAGE MONTHLY: 74.8 TOTAL FOR MONTH: 4.33 1 = FOG OR MIST					+
DPTR FM NORMAL: 2.1 DPTR FM NORMAL: 1.34 2 = FOG REDUCING VISIBILITY					+
HIGHEST: 91 ON 6, 5 GRTST 24HR 1.28 ON 17-17 TO 1/4 MILE OR LESS					+
LOWEST: 53 ON 23 3 = THUNDER					+
SNOW, ICE PELLETS, HAIL 4 = ICE PELLETS					+
TOTAL MONTH: 0.0 INCH 5 = HAIL					+
GRTST 24HR 0.0 6 = FREEZING RAIN OR DRIZZLE					+
GRTST DEPTH: 0 7 = DUSTSTORM OR SANDSTORM:					+
VSBY 1/2 MILE OR LESS					+
8 = SMOKE OR HAZE					+
[NO. OF DAYS WITH] [WEATHER - DAYS WITH] 9 = BLOWING SNOW					+
X = TORNADO					+
MAX 32 OR BELOW: 0 0.01 INCH OR MORE: 11					+
MAX 90 OR ABOVE: 5 0.10 INCH OR MORE: 8					+
MIN 32 OR BELOW: 0 0.50 INCH OR MORE: 4					+
MIN 0 OR BELOW: 0 1.00 INCH OR MORE: 1					+
[HDD (BASE 65)]					+
TOTAL THIS MO. 0 CLEAR (SCALE 0-3) 8					+
DPTR FM NORMAL -2 PTCLDY (SCALE 4-7) 18					+
TOTAL FM JUL 1 0 CLOUDY (SCALE 8-10) 5					+
DPTR FM NORMAL -2					+
[CDD (BASE 65)]					+
TOTAL THIS MO. 312					+
DPTR FM NORMAL 69 [PRESSURE DATA]					+
TOTAL FM JAN 1 1066 HIGHEST SLP 30.22 ON 5					+
DPTR FM NORMAL 284 LOWEST SLP 29.78 ON 21					+
					+

[REMARKS]

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#FINAL-08-18#