

MONTHLY CLIMATOLOGICAL SUMMARY for JAN. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	48.8	59.4	8:00a	40.9	12:00m	16.2	0.0	0.01	4.4	31.0	9:00a	NW
2	41.8	44.5	1:00p	37.7	7:00a	23.2	0.0	0.00	3.0	20.0	11:00p	SSE
3	39.5	44.9	9:30a	27.8	12:00m	25.5	0.0	0.00	2.7	18.0	11:30a	NW
4	37.0	44.2	7:30p	27.7	4:00a	28.0	0.0	0.16	1.1	12.0	5:30p	SE
5	43.4	52.9	4:30p	37.8	11:00p	21.6	0.0	0.43	2.4	20.0	2:00p	NW
6	40.1	50.4	1:30p	31.1	7:00a	24.9	0.0	0.00	3.7	26.0	12:30p	NW
7	32.6	35.7	12:30a	27.2	4:00a	32.4	0.0	0.02	2.8	23.0	11:00p	SE
8	42.8	54.9	8:00p	33.3	8:00a	22.2	0.0	0.15	2.5	29.0	12:00m	ESE
9	38.2	46.5	12:30a	28.3	12:00m	26.8	0.0	0.01	7.3	31.0	2:00a	WNW
10	28.8	32.4	1:30p	26.0	11:30p	36.2	0.0	0.01	11.5	32.0	11:30a	NW
11	27.4	34.4	3:30p	21.1	12:00m	37.6	0.0	0.00	5.5	21.0	1:00a	NW
12	26.5	33.3	2:30p	19.9	5:30a	38.5	0.0	0.00	1.4	14.0	3:30p	ESE
13	27.4	29.2	1:30p	26.0	12:00m	37.6	0.0	0.04	0.5	8.0	1:30a	NNW
14	24.7	34.8	2:30p	10.4	12:00m	40.3	0.0	0.23	0.3	9.0	12:00p	NNW
15	19.9	35.6	3:30p	6.3	7:00a	45.1	0.0	0.00	1.1	14.0	1:00p	WNW
16	31.5	38.3	2:00p	16.5	1:00a	33.5	0.0	0.01	2.0	21.0	3:30p	WNW
17	32.4	35.2	12:30a	30.1	6:30p	32.6	0.0	0.00	2.0	14.0	2:00p	SE
18	33.1	39.8	5:00p	28.0	10:30p	31.9	0.0	0.06	0.8	11.0	4:00p	SE
19	33.8	36.4	3:00p	30.5	12:30a	31.2	0.0	0.81	2.0	15.0	1:00p	SE
20	26.8	36.0	9:30a	12.0	12:00m	38.2	0.0	0.33	10.2	40.0	11:30a	NW
21	12.9	17.2	3:00p	9.5	7:30a	52.1	0.0	0.00	10.2	30.0	9:30a	NW
22	19.2	29.1	3:00p	5.2	7:30a	45.8	0.0	0.00	2.4	16.0	3:30p	SE
23	40.1	51.8	9:00p	27.4	1:00a	24.9	0.0	0.00	8.4	32.0	9:00p	SSE
24	42.5	52.6	7:30a	33.8	11:00p	22.5	0.0	0.56	6.0	31.0	4:00p	WNW
25	31.3	36.2	1:30p	22.0	12:00m	33.7	0.0	0.00	3.8	27.0	1:00p	WNW
26	27.2	36.6	3:30p	17.7	6:00a	37.8	0.0	0.00	0.7	11.0	3:00p	S
27	35.3	44.8	3:00p	22.7	1:00a	29.7	0.0	0.00	2.7	16.0	2:00p	SE
28	28.5	35.8	2:30p	20.7	8:00a	36.5	0.0	0.00	1.9	17.0	11:30p	ESE
29	29.4	33.4	1:30p	22.7	11:00p	35.6	0.0	0.02	5.9	24.0	5:00a	SE
30	13.3	27.1	11:30a	4.5	7:00a	51.7	0.0	0.00	5.8	31.0	1:30p	WNW
31	9.4	18.5	5:00p	-0.3	8:00a	55.6	0.0	0.00	2.1	18.0	2:00p	W
	31.1	59.4	1	-0.3	31	1049.4	0.0	2.85	3.8	40.0	20	NW

Max >= 90.0: 0

Max <= 32.0: 5

Min <= 32.0: 26

Min <= 0.0: 1

Max Rain: 0.81 ON 01/19/19

Days of Rain: 11 (>.01 in) 7 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for FEB. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	14.2	18.7	3:30p	5.8	1:30a	50.8	0.0	0.00	0.2	9.0	8:30a	ESE
2	20.5	38.0	4:00p	2.7	6:30a	44.5	0.0	0.09	0.3	7.0	2:30p	S
3	35.1	52.6	3:30p	19.2	7:30a	29.9	0.0	0.00	1.3	15.0	4:30p	SE
4	41.2	60.2	4:00p	26.5	8:00a	23.8	0.0	0.00	0.5	11.0	5:00p	ESE
5	50.9	67.4	2:30p	39.5	12:00m	14.3	0.2	0.01	0.9	16.0	3:30p	NW
6	43.8	50.7	1:30p	33.8	4:00a	21.2	0.0	0.10	2.2	16.0	3:00p	ESE
7	46.3	51.5	6:30p	40.7	5:30a	18.7	0.0	0.00	2.8	19.0	7:30p	SE
8	44.3	52.5	9:00a	29.5	12:00m	20.7	0.0	0.16	6.0	31.0	1:00p	W
9	26.0	32.6	4:00p	19.3	12:00m	39.0	0.0	0.00	5.9	23.0	12:30a	NW
10	26.5	35.6	2:00p	14.1	7:00a	38.5	0.0	0.00	1.6	14.0	12:00p	S
11	31.8	34.0	2:00p	29.2	12:30a	33.2	0.0	0.24	0.0	0.0	---	---
12	33.0	34.9	2:30p	31.6	3:00a	32.0	0.0	0.90	1.1	14.0	3:30p	SE
13	36.1	38.6	4:30p	32.0	3:30a	28.9	0.0	0.14	4.4	26.0	5:00a	W
14	38.5	45.7	8:00p	24.3	7:30a	26.5	0.0	0.04	2.1	18.0	10:30p	SSE
15	52.2	62.2	1:30p	42.2	12:00m	12.8	0.0	0.00	5.4	24.0	11:00a	SSW
16	34.9	42.2	12:30a	24.1	11:30p	30.1	0.0	0.00	4.1	21.0	9:30a	NW
17	29.4	36.1	4:30p	20.6	5:00a	35.6	0.0	0.11	2.5	18.0	9:00p	SE
18	37.0	43.2	1:30p	31.2	12:00m	28.0	0.0	0.01	6.4	26.0	6:00p	NW
19	30.0	37.1	2:30p	23.1	6:00a	35.0	0.0	0.00	3.0	21.0	12:30a	NW
20	29.8	32.3	5:00a	26.6	9:30a	35.2	0.0	0.01	3.2	17.0	1:30p	ESE
21	40.5	53.9	4:00p	30.4	8:30a	24.5	0.0	0.46	1.1	14.0	7:30p	NW
22	40.0	44.6	2:30a	32.8	12:00m	25.0	0.0	0.00	1.1	9.0	2:00a	NW
23	34.8	38.4	3:30p	30.2	6:00a	30.2	0.0	0.02	1.5	15.0	4:00p	ESE
24	41.9	59.2	4:30p	34.5	4:30a	23.1	0.0	0.52	5.7	37.0	6:30p	W
25	38.2	43.3	3:00p	32.9	12:00m	26.8	0.0	0.00	10.3	37.0	10:00a	WNW
26	36.0	47.3	3:00p	24.3	7:30a	29.0	0.0	0.00	2.0	19.0	2:30p	NW
27	32.3	41.3	2:30p	23.0	5:30a	32.7	0.0	0.00	4.5	20.0	2:30p	SE
28	36.4	41.7	3:30p	33.2	8:00a	28.6	0.0	0.00	2.5	22.0	9:30a	NNW
	35.8	67.4	5	2.7	2	818.6	0.2	2.81	3.0	37.0	24	NW

Max >= 90.0: 0
 Max <= 32.0: 1
 Min <= 32.0: 20
 Min <= 0.0: 0

Max Rain: 0.90 ON 02/12/19

Days of Rain: 11 (>.01 in) 7 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for MAR. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: LONG:

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	31.5	34.2	4:30p	28.5	4:30a	33.5	0.0	0.16	0.9	10.0	12:30p	ESE
2	36.7	43.1	5:30p	30.8	6:30a	28.3	0.0	0.16	1.2	10.0	7:00p	NW
3	34.2	40.1	12:30a	31.3	12:00m	30.8	0.0	0.04	0.6	11.0	9:30a	NNW
4	30.5	34.7	4:30p	24.0	12:00m	34.5	0.0	0.23	4.8	20.0	2:30p	NW
5	25.4	36.1	3:30p	16.2	7:30a	39.6	0.0	0.03	4.2	20.0	12:30p	NW
6	20.9	26.0	4:00p	14.1	12:00m	44.1	0.0	0.00	5.1	25.0	1:00p	NW
7	27.5	37.2	3:30p	13.6	1:30a	37.5	0.0	0.00	2.3	21.0	1:00p	NW
8	29.6	34.2	12:00p	22.0	6:30a	35.4	0.0	0.00	1.4	15.0	10:30a	SE
9	35.0	40.3	2:00p	29.9	7:30a	30.0	0.0	0.15	2.1	17.0	12:00m	SE
10	43.5	56.9	6:00p	35.7	1:00a	20.6	0.0	0.39	4.0	19.0	3:30a	ESE
11	50.2	59.1	4:30p	42.2	7:00a	14.8	0.0	0.00	5.2	23.0	7:00p	NW
12	39.8	48.5	5:30p	29.9	12:00m	25.2	0.0	0.00	4.5	25.0	1:30a	NW
13	42.6	57.3	5:30p	23.1	7:30a	22.4	0.0	0.00	3.5	20.0	11:00a	SSE
14	57.7	73.5	5:00p	44.2	8:00a	8.8	1.5	0.00	7.8	31.0	10:00p	ESE
15	66.2	76.3	4:30p	51.0	12:00m	1.5	2.7	0.00	7.8	35.0	5:00p	SSE
16	43.8	51.0	12:30a	38.3	12:00m	21.2	0.0	0.00	8.3	30.0	10:00a	NW
17	39.6	48.6	5:00p	28.6	8:00a	25.4	0.0	0.00	2.1	18.0	12:00p	NW
18	37.8	47.0	6:00p	28.8	2:30a	27.2	0.0	0.00	1.1	13.0	6:00p	NW
19	35.9	49.2	6:00p	21.2	7:30a	29.1	0.0	0.00	0.8	34.0	1:30p	S
20	40.6	50.3	5:30p	25.5	5:30a	24.4	0.0	0.00	3.1	21.0	12:30p	SE
21	40.9	43.7	12:30a	38.3	10:00p	24.1	0.0	2.32	3.9	19.0	11:00p	NW
22	42.0	48.0	1:00p	37.0	12:00m	23.0	0.0	0.04	9.1	34.0	4:30p	NW
23	39.7	50.4	5:00p	32.4	7:30a	25.3	0.0	0.00	8.6	27.0	1:00a	NW
24	45.4	61.6	6:30p	25.3	7:30a	19.6	0.0	0.00	1.9	18.0	2:30p	S
25	46.0	53.7	11:00a	38.7	12:00m	19.0	0.0	0.10	2.0	13.0	2:00p	NNW
26	37.8	47.1	5:30p	29.0	12:00m	27.2	0.0	0.00	3.1	20.0	11:30a	NNW
27	37.8	51.1	5:30p	21.1	7:30a	27.2	0.0	0.00	1.8	15.0	4:00p	SE
28	48.8	62.2	4:30p	34.3	7:30a	16.2	0.0	0.03	5.1	21.0	5:30p	SE
29	54.4	62.0	5:30p	47.9	2:30a	10.6	0.0	0.03	0.6	10.0	9:30a	SSE
30	62.0	75.0	4:30p	47.6	4:00a	5.8	2.8	0.01	5.4	27.0	10:30p	SSE
31	49.6	66.6	12:30a	31.5	12:00m	15.5	0.1	0.01	10.9	32.0	4:30p	NW
	41.1	76.3	15	13.6	7	747.8	7.1	3.70	4.0	35.0	15	NW

Max >= 90.0: 0

Max <= 32.0: 1

Min <= 32.0: 19

Min <= 0.0: 0

Max Rain: 2.32 ON 03/21/19

Days of Rain: 12 (>.01 in) 6 (>.1 in) 1 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for APR. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	36.4	47.1	6:30p	29.7	6:00a	26.2	0.0	0.00	4.4	22.0	12:30a	NW
2	40.4	48.0	5:00p	29.7	1:00a	24.6	0.0	0.00	2.2	21.0	10:30a	ESE
3	47.4	65.4	3:30p	28.6	3:30a	17.6	0.0	0.00	4.3	31.0	12:00p	WNW
4	50.0	62.2	3:00p	33.8	7:00a	15.0	0.0	0.00	1.0	14.0	12:30p	NW
5	44.7	52.8	2:00a	41.2	10:30p	20.3	0.0	0.26	0.8	13.0	8:30a	ESE
6	50.9	67.3	6:00p	40.6	5:30a	14.2	0.2	0.00	0.7	10.0	2:00p	NNW
7	57.9	70.7	2:30p	42.1	5:30a	8.2	1.2	0.02	3.8	22.0	3:00p	SSE
8	65.6	78.9	3:30p	59.0	3:00a	2.3	2.8	0.13	3.3	25.0	4:00p	S
9	63.7	76.5	4:00p	50.6	8:00a	4.4	3.1	0.00	4.3	24.0	8:30p	NW
10	53.9	66.6	5:00p	37.5	7:30a	11.2	0.1	0.00	2.4	18.0	12:30p	NW
11	51.1	59.7	4:30p	41.0	6:30a	13.9	0.0	0.00	3.5	19.0	11:30a	ESE
12	57.5	64.4	5:00p	48.8	2:30a	7.5	0.0	0.40	4.0	22.0	3:30p	SE
13	64.7	73.1	2:30p	55.0	7:30a	2.5	2.2	0.27	1.4	14.0	1:00a	S
14	64.5	70.7	11:30p	57.6	4:00a	2.3	1.8	0.28	4.3	24.0	12:00m	SE
15	51.4	70.3	12:30a	42.0	12:00m	13.7	0.1	0.18	7.2	34.0	1:00p	WNW
16	52.0	66.8	5:30p	36.1	6:00a	13.1	0.1	0.00	1.8	16.0	5:30p	SSE
17	56.8	66.1	5:30p	49.7	3:30a	8.3	0.0	0.00	2.3	18.0	12:00m	ESE
18	62.8	75.8	6:30p	51.4	5:00a	5.6	3.3	0.00	5.2	26.0	10:30p	ESE
19	68.4	71.9	2:00p	64.6	9:30p	0.0	3.4	1.10	7.4	25.0	3:00p	SSE
20	65.4	69.9	11:30a	56.4	11:00p	1.3	1.7	0.00	9.0	35.0	4:30p	S
21	56.1	64.1	2:00p	46.9	7:00a	8.9	0.0	0.02	2.5	16.0	3:30p	NW
22	57.8	72.3	6:30p	43.7	7:00a	8.3	1.1	0.00	2.7	17.0	12:30p	NW
23	64.1	80.5	5:30p	45.5	7:00a	5.8	4.9	0.02	2.6	25.0	12:00m	S
24	63.5	73.0	5:00p	55.0	12:00m	3.1	1.7	0.00	3.6	18.0	12:00p	NW
25	59.1	68.9	1:30p	52.3	3:00a	6.1	0.2	0.00	0.9	11.0	2:00p	NNW
26	58.8	70.7	2:00p	52.7	12:00m	6.6	0.4	0.10	6.5	31.0	3:00p	SE
27	57.1	66.3	5:30p	48.6	7:00a	8.0	0.1	0.02	5.0	33.0	11:00a	NW
28	52.4	63.0	1:30p	43.0	12:00m	12.6	0.0	0.16	3.1	24.0	3:00p	SE
29	49.5	61.5	5:00p	36.1	6:00a	15.5	0.0	0.00	3.4	20.0	4:00p	SE
30	62.2	78.5	4:30p	47.8	6:30a	5.7	2.9	0.09	1.1	10.0	12:00p	NNW
	56.2	80.5	23	28.6	3	292.8	31.3	3.05	3.5	35.0	20	NW

Max >= 90.0: 0

Max <= 32.0: 0

Min <= 32.0: 3

Min <= 0.0: 0

Max Rain: 1.10 ON 04/19/19

Days of Rain: 14 (>.01 in) 8 (>.1 in) 1 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for MAY. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	59.3	63.9	2:00a	55.5	7:00a	5.7	0.0	0.16	3.2	22.0	10:00p	ESE
2	69.2	85.3	4:00p	57.4	2:30a	2.4	6.6	0.01	0.9	15.0	4:00p	SE
3	68.5	76.5	3:30p	63.2	10:30p	0.2	3.7	1.03	2.0	15.0	9:00p	ESE
4	66.5	75.4	3:00p	61.7	6:30a	1.1	2.6	0.09	0.3	16.0	7:00p	NNW
5	61.3	63.6	1:30p	57.1	12:00m	3.7	0.0	1.90	0.5	13.0	4:00p	NNW
6	64.5	77.0	6:00p	56.9	12:00m	3.5	3.0	0.00	0.6	11.0	2:30p	NNW
7	66.3	80.0	5:00p	51.4	5:00a	4.2	5.4	0.00	1.4	13.0	1:30p	SSE
8	63.5	70.6	4:30p	59.4	4:30a	2.1	0.6	0.00	1.5	12.0	9:30p	NNW
9	64.6	74.2	6:30p	59.6	6:30a	2.3	1.9	0.02	3.2	23.0	6:00p	SE
10	69.4	77.9	5:30p	62.5	12:00m	0.2	4.6	0.19	3.7	33.0	12:00p	SSE
11	59.8	64.3	1:00a	53.0	12:00m	5.2	0.0	0.18	1.1	14.0	9:00a	NNW
12	52.4	54.2	3:00p	48.5	12:00m	12.6	0.0	0.67	0.2	10.0	10:00a	NNW
13	49.8	56.5	7:00p	46.8	5:00a	15.2	0.0	0.48	0.4	9.0	5:00a	SE
14	52.0	57.6	4:30p	47.9	12:00m	13.0	0.0	0.00	3.5	22.0	8:30a	NW
15	56.6	71.5	2:30p	39.6	6:30a	9.9	1.5	0.00	1.5	24.0	1:00p	NW
16	63.1	77.0	5:00p	49.1	1:00a	5.3	3.3	0.00	1.9	21.0	1:00p	NW
17	66.6	79.2	3:00p	52.8	3:30a	3.2	4.7	0.00	2.3	18.0	6:00p	SSE
18	70.9	82.4	5:00p	60.7	3:30a	0.7	6.6	0.00	0.9	27.0	6:30p	SSE
19	73.3	88.2	5:00p	65.5	6:30a	0.0	8.3	0.14	3.9	25.0	4:30p	SE
20	74.5	85.3	4:00p	64.4	5:30a	0.0	9.5	0.01	2.8	22.0	2:30p	SW
21	60.8	68.6	4:00p	51.9	12:00m	4.8	0.5	0.00	4.1	21.0	1:30a	NNW
22	59.8	71.0	5:00p	46.5	5:00a	6.3	1.2	0.00	2.0	14.0	10:30p	SE
23	71.1	82.9	7:30p	60.2	6:30a	1.3	7.4	0.14	2.8	28.0	2:30p	ESE
24	72.5	81.2	6:00p	62.2	12:00m	0.1	7.6	0.01	4.7	19.0	8:30a	NNW
25	70.0	80.7	4:00p	61.0	3:30a	0.8	5.8	0.32	3.3	23.0	6:30p	SE
26	74.0	85.5	5:30p	65.3	6:30a	0.0	9.0	0.21	1.4	26.0	8:30p	SSW
27	71.7	81.6	6:00p	64.1	5:30a	0.1	6.8	0.00	1.3	14.0	12:30p	NNW
28	75.5	89.2	5:00p	64.1	2:30a	0.0	10.5	0.07	2.8	23.0	4:30p	S
29	76.1	88.8	2:00p	65.4	4:00a	0.0	11.1	0.00	2.3	20.0	1:30p	SW
30	72.3	81.6	1:30p	65.9	5:30a	0.0	7.3	0.62	2.0	18.0	2:30p	SSW
31	71.6	81.8	4:30p	62.1	6:00a	0.4	7.0	0.00	2.0	16.0	1:00p	NNW
	66.0	89.2	28	39.6	15	104.3	136.5	6.25	2.1	33.0	10	NNW

Max >= 90.0: 0

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 1.90 ON 05/05/19

Days of Rain: 15 (>.01 in) 12 (>.1 in) 2 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for JUN. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	69.5	81.7	4:30p	56.8	6:30a	1.9	6.4	0.01	1.2	20.0	11:30p	SSE
2	67.8	78.5	2:00p	58.8	6:30a	1.3	4.1	0.03	1.7	14.0	11:00p	NNW
3	60.3	69.2	5:00p	49.9	6:30a	5.6	0.9	0.00	3.8	22.0	11:00a	NNW
4	60.7	75.1	5:30p	43.2	6:30a	7.1	2.8	0.00	1.9	15.0	4:00p	SE
5	68.6	77.5	12:30p	56.0	5:30a	1.8	5.4	0.00	2.2	13.0	12:30p	SSE
6	75.3	84.6	5:30p	67.8	3:30a	0.0	10.3	0.00	2.1	16.0	2:30p	NNW
7	71.0	79.2	1:30p	64.4	4:00a	0.0	6.0	0.00	0.9	8.0	9:00a	NNW
8	72.1	82.1	3:00p	61.5	6:00a	0.6	7.7	0.00	1.5	18.0	12:30p	SE
9	70.0	78.2	12:30p	65.5	12:00m	0.0	5.0	0.00	1.2	21.0	7:00p	SE
10	65.3	70.1	5:00p	61.4	9:30a	1.0	1.4	0.10	1.3	10.0	1:00a	NNW
11	67.1	76.7	5:30p	57.7	12:00m	1.5	3.6	0.00	6.0	24.0	12:30p	NNW
12	65.0	75.6	4:30p	51.2	6:00a	3.9	3.9	0.00	3.2	21.0	4:30p	SE
13	62.3	73.9	4:00p	58.3	5:00p	3.3	0.6	0.95	1.1	23.0	4:30p	SW
14	63.9	74.4	6:00p	55.7	12:00m	3.4	2.3	0.00	3.8	24.0	11:00a	NW
15	66.2	77.8	7:00p	52.0	3:30a	3.8	4.9	0.00	2.7	16.0	2:00p	SSE
16	75.8	85.2	6:30p	67.8	4:00a	0.0	10.7	0.00	2.6	15.0	1:00p	SSE
17	74.5	81.3	1:00p	67.2	5:30a	0.0	9.5	0.41	1.2	21.0	1:30a	NNW
18	74.3	80.5	4:00p	68.1	6:30a	0.0	9.3	0.10	0.8	14.0	1:30p	SW
19	75.3	83.2	6:30p	69.4	3:00a	0.0	10.3	0.18	1.0	11.0	2:30p	SE
20	76.0	84.2	4:00p	68.5	6:30a	0.0	11.0	0.00	1.4	17.0	2:00p	NW
21	72.4	79.4	6:00p	62.4	12:00m	0.1	7.5	0.02	5.8	25.0	12:00p	NW
22	67.3	79.3	5:00p	53.5	6:30a	2.8	5.1	0.00	2.5	17.0	12:30p	NNW
23	68.3	82.0	6:00p	53.0	6:30a	3.2	6.5	0.00	0.8	13.0	4:00p	SE
24	73.0	85.1	2:00p	61.0	4:00a	0.9	8.9	0.08	1.1	12.0	2:30p	SE
25	75.9	84.9	3:30p	67.4	12:00m	0.0	10.9	1.04	2.0	17.0	2:00p	NNW
26	75.6	88.6	5:00p	61.3	5:30a	0.5	11.0	0.00	1.2	16.0	2:30p	SW
27	75.6	90.2	3:30p	64.9	5:30a	0.0	10.6	0.00	0.9	16.0	5:30p	SE
28	76.9	90.6	5:30p	66.8	6:30a	0.0	11.9	0.00	0.8	18.0	6:00p	S
29	77.2	90.8	3:00p	67.6	4:00a	0.0	12.2	0.13	1.3	23.0	3:30p	NNW
30	76.4	86.2	4:30p	66.5	6:30a	0.0	10.0	0.14	4.1	24.0	1:00p	NNW
	70.7	90.8	29	43.2	4	42.7	210.7	3.19	2.1	25.0	21	NNW

Max >= 90.0: 3

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 1.04 ON 06/25/19

Days of Rain: 11 (>.01 in) 6 (>.1 in) 1 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for JUL. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	SPEED		DIR
1	70.5	83.7	5:30p	57.1	6:30a	1.6	7.1	0.00	0.8	11.0	10:30a	NNW
2	74.0	92.2	5:00p	60.4	5:00a	0.9	9.9	0.25	1.3	27.0	7:00p	S
3	76.7	89.1	5:00p	68.0	5:30a	0.0	11.7	0.00	0.9	13.0	10:00a	NNW
4	77.0	88.4	1:30p	69.3	5:30a	0.0	12.0	0.00	1.2	15.0	5:00p	SE
5	77.7	88.1	5:00p	69.4	3:30a	0.0	12.7	0.00	0.9	13.0	12:30p	S
6	76.8	90.8	4:30p	69.0	6:00a	0.0	11.8	0.17	0.8	18.0	5:00p	SW
7	75.0	83.3	1:30p	69.0	6:00a	0.0	10.0	1.03	0.5	13.0	3:00p	NNW
8	72.6	75.9	7:00p	67.1	12:00m	0.0	7.6	0.39	0.2	13.0	3:30p	NNW
9	72.9	84.0	5:30p	63.2	5:30a	0.2	8.1	0.00	0.8	14.0	4:00p	SE
10	77.0	86.8	4:00p	66.0	5:00a	0.0	12.0	0.00	1.6	14.0	4:00p	SE
11	75.1	84.7	1:00p	68.6	12:00m	0.0	10.1	0.59	1.2	15.0	3:30p	ESE
12	75.8	86.3	5:00p	67.3	6:30a	0.0	10.8	0.00	1.9	17.0	5:30p	NW
13	75.6	89.2	7:00p	62.5	6:30a	0.2	10.8	0.00	0.8	15.0	11:30a	NNW
14	77.9	90.7	4:00p	65.7	6:30a	0.0	12.9	0.00	1.4	15.0	5:00p	NNW
15	74.8	88.6	6:00p	60.9	6:30a	0.5	10.3	0.00	0.6	12.0	3:30p	NNW
16	77.7	88.6	2:00p	64.7	6:00a	0.0	12.7	0.00	0.5	10.0	1:30p	S
17	79.8	91.9	2:30p	73.0	6:00a	0.0	14.8	0.37	1.3	16.0	4:30p	SSE
18	79.8	90.0	5:00p	73.3	12:00m	0.0	14.8	0.00	1.2	14.0	1:30p	NNW
19	82.1	95.4	5:00p	69.4	6:30a	0.0	17.1	0.00	0.5	12.0	3:00p	SW
20	83.8	96.1	5:00p	73.4	4:00a	0.0	18.8	0.00	0.8	13.0	12:00p	SW
21	83.7	97.4	6:30p	73.3	12:00m	0.0	18.7	0.00	1.2	26.0	8:00p	NW
22	74.4	85.1	2:00p	68.4	12:00m	0.0	9.4	1.71	1.4	25.0	9:00p	SSE
23	70.4	78.4	5:30p	65.5	5:30a	0.0	5.4	0.38	1.0	13.0	4:00p	NNW
24	67.8	80.6	4:00p	59.4	6:30a	1.4	4.2	0.10	0.7	15.0	5:30p	NNW
25	69.2	84.3	5:00p	56.4	6:30a	2.4	6.6	0.01	0.3	10.0	1:00p	NNW
26	72.1	86.2	6:00p	59.7	6:00a	1.2	8.2	0.00	0.3	7.0	2:30p	SE
27	74.3	86.4	4:30p	61.4	7:00a	0.5	9.8	0.00	1.4	13.0	11:00p	S
28	76.8	88.9	3:30p	64.3	6:30a	0.0	11.8	0.00	0.9	10.0	5:00p	SW
29	78.1	89.1	4:30p	66.5	6:30a	0.0	13.1	0.00	0.9	10.0	3:30p	SW
30	75.9	89.5	2:30p	66.1	7:00a	0.0	10.8	0.00	1.1	26.0	4:00p	S
31	71.6	76.9	5:00p	66.3	5:00a	0.0	6.6	0.00	0.3	9.0	12:30p	NNW
	75.7	97.4	21	56.4	25	8.9	340.6	5.00	0.9	27.0	2	NNW

Max >= 90.0: 8

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 1.71 ON 07/22/19

Days of Rain: 9 (>.01 in) 8 (>.1 in) 2 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for AUG. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	DIR		
1	74.6	88.4	6:30p	62.4	6:30a	0.3	9.8	0.01	0.3	14.0	3:30p	SW
2	75.4	84.3	6:00p	68.1	4:30a	0.0	10.4	0.00	1.7	16.0	4:00p	SE
3	77.3	87.8	5:30p	69.5	2:00a	0.0	12.3	0.00	1.4	15.0	1:30p	SE
4	75.0	88.6	5:30p	64.6	6:30a	0.0	10.0	0.00	1.0	12.0	12:30p	NNW
5	74.2	86.9	5:30p	63.3	4:00a	0.3	9.5	0.00	0.6	9.0	5:00p	SE
6	74.7	88.5	4:00p	65.0	7:00a	0.0	9.7	0.47	1.4	17.0	8:00p	SSE
7	73.7	82.7	6:30p	66.7	5:30a	0.0	8.7	0.01	1.4	21.0	3:00p	NNW
8	75.8	88.2	4:30p	66.0	7:00a	0.0	10.8	0.00	1.6	16.0	1:30p	NW
9	74.5	85.9	3:00p	63.4	7:00a	0.1	9.6	0.00	2.5	17.0	6:00p	NNW
10	69.1	83.1	5:00p	55.3	6:00a	2.0	6.1	0.00	1.2	14.0	3:00p	NW
11	69.0	83.8	6:00p	55.6	7:00a	2.4	6.4	0.00	0.6	13.0	2:00p	NNW
12	72.4	88.0	5:00p	56.0	6:30a	2.5	9.9	0.00	1.3	11.0	1:30p	SE
13	75.4	82.3	6:00p	71.8	5:00a	0.0	10.4	0.84	0.2	9.0	11:30a	NNW
14	76.7	87.1	5:00p	70.8	6:00a	0.0	11.7	0.07	1.4	13.0	2:00p	NNW
15	73.7	82.1	5:00p	66.1	6:30a	0.0	8.7	0.00	1.7	15.0	3:30p	SE
16	76.7	86.9	4:00p	69.9	6:00a	0.0	11.7	0.00	1.1	13.0	4:30p	SE
17	78.3	89.8	6:30p	68.8	6:30a	0.0	13.3	0.00	0.8	9.0	1:00p	SSE
18	78.3	92.5	4:30p	68.6	7:00a	0.0	13.3	0.27	1.0	21.0	7:30p	SE
19	77.2	92.6	5:30p	66.1	6:00a	0.0	12.2	0.00	0.4	8.0	6:30a	SW
20	77.4	89.7	2:30p	68.7	7:00a	0.0	12.4	0.00	0.8	14.0	9:30p	SE
21	76.4	89.1	2:30p	69.3	1:00a	0.0	11.4	0.60	1.0	13.0	12:30p	S
22	76.8	88.9	4:00p	67.1	7:00a	0.0	11.8	0.28	1.1	14.0	7:30p	SE
23	66.0	72.8	12:30a	59.7	12:00m	1.2	2.2	0.30	1.1	15.0	12:00p	NNW
24	64.9	75.8	6:00p	57.7	2:30a	3.1	3.0	0.01	0.5	11.0	11:00a	NNW
25	65.8	77.3	5:00p	57.0	1:30a	3.1	4.0	0.00	0.4	11.0	12:30p	SE
26	66.2	75.8	3:00p	54.4	7:00a	2.6	3.8	0.00	0.9	15.0	4:00p	SE
27	68.8	76.2	6:00p	63.4	7:00a	0.3	4.1	0.00	2.6	16.0	11:00a	SE
28	71.6	78.2	1:00p	65.8	10:30p	0.0	6.6	0.41	0.8	11.0	12:00p	SE
29	67.5	81.5	5:30p	55.3	7:00a	2.7	5.2	0.01	1.1	15.0	1:00p	NW
30	71.0	85.3	4:30p	57.4	3:00a	1.9	7.9	0.00	2.2	15.0	1:00p	SSE
31	72.3	84.6	6:00p	63.9	5:00a	0.1	7.3	0.00	0.5	14.0	1:30p	NNW
	73.1	92.6	19	54.4	26	22.6	274.2	3.28	1.1	21.0	7	SE

Max >= 90.0: 2

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 0.84 ON 08/13/19

Days of Rain: 8 (>.01 in) 7 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for SEP. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	70.0	76.9	5:30p	63.5	6:30a	0.1	5.2	0.00	0.9	13.0	11:30a	SE
2	74.1	84.0	3:00p	67.1	12:00m	0.0	9.1	0.05	2.6	14.0	11:30a	SSE
3	71.3	82.8	4:00p	60.2	7:00a	0.6	7.0	0.00	0.6	10.0	4:30p	SSE
4	77.1	91.2	4:30p	64.3	6:00a	0.0	12.1	0.00	1.6	16.0	5:00p	SSE
5	68.6	77.3	4:30p	61.2	7:30a	0.6	4.2	0.00	0.3	9.0	12:30a	NNW
6	67.5	79.4	5:30p	60.9	4:00a	1.4	3.9	0.00	1.5	16.0	3:00p	NNW
7	67.6	79.7	3:30p	56.0	6:30a	2.2	4.7	0.00	1.4	16.0	3:00p	NW
8	67.1	81.4	5:30p	54.2	7:00a	2.6	4.7	0.00	0.4	10.0	3:00p	SE
9	69.3	80.5	6:00p	62.0	4:00a	0.7	5.0	0.00	0.0	1.0	12:30p	SE
10	72.3	83.1	4:30p	59.7	5:00a	1.0	8.3	0.00	1.8	15.0	1:00p	SE
11	76.1	91.5	3:00p	66.8	7:00a	0.0	11.1	0.00	1.0	16.0	4:30p	SSE
12	78.4	92.2	3:00p	66.3	7:30a	0.0	13.4	0.00	1.4	15.0	2:00p	NNW
13	67.1	72.7	12:30a	64.7	8:30a	0.0	2.1	0.02	2.1	16.0	10:00a	SE
14	69.9	78.4	4:00p	65.0	6:00a	0.0	4.9	0.00	3.2	18.0	12:30p	SE
15	70.3	84.0	6:30p	58.6	7:30a	0.9	6.2	0.01	0.2	10.0	4:00p	SSE
16	72.0	88.1	4:00p	57.3	6:30a	1.7	8.6	0.00	0.0	1.0	12:30p	SE
17	70.4	80.7	5:00p	58.3	11:00p	0.7	6.1	0.00	0.0	0.0	---	---
18	62.7	78.5	5:30p	48.5	7:30a	5.8	3.5	0.00	0.0	2.0	4:00p	SE
19	61.4	72.0	5:00p	51.8	12:00m	5.0	1.3	0.00	1.1	13.0	2:00p	SE
20	60.9	80.1	5:00p	44.2	7:30a	7.7	3.6	0.00	0.7	11.0	11:00a	SSE
21	68.7	87.7	4:30p	51.8	7:00a	4.1	7.8	0.25	0.3	11.0	8:30p	SE
22	73.5	88.3	4:00p	61.6	7:30a	0.5	9.1	0.01	0.6	14.0	5:00p	SSE
23	74.4	89.5	1:30p	66.1	12:00m	0.0	9.4	0.11	0.7	18.0	12:30p	SW
24	66.8	76.6	3:00p	55.5	12:00m	1.7	3.5	0.01	2.8	22.0	3:00p	NW
25	63.8	80.9	4:30p	49.7	6:30a	5.4	4.2	0.00	1.1	14.0	1:00p	SSE
26	66.2	80.4	5:00p	54.8	6:30a	3.4	4.7	0.00	1.0	15.0	6:00p	NNW
27	65.3	80.5	4:00p	48.3	7:30a	5.1	5.4	0.00	1.6	18.0	1:30p	SSE
28	73.7	87.6	4:00p	63.7	6:00a	0.1	8.8	0.00	2.3	15.0	3:30p	SE
29	72.2	84.1	3:30p	61.6	8:00a	0.3	7.5	0.00	0.8	14.0	1:00p	NNW
30	67.2	69.8	5:00a	64.1	10:30a	0.0	2.2	0.32	2.1	16.0	2:30p	SE
	69.5	92.2	12	44.2	20	51.6	187.6	0.78	1.1	22.0	24	SE

Max >= 90.0: 3

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 0.32 ON 09/30/19

Days of Rain: 5 (>.01 in) 3 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for OCT. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM DIR
	TEMP	HIGH				DEG	DEG		WIND	HIGH		
1	72.3	84.7	4:30p	64.0	8:00a	0.0	7.4	0.00	1.1	13.0	2:00p	SE
2	78.7	91.7	3:30p	68.5	5:00a	0.0	13.7	0.00	1.0	17.0	3:00p	NW
3	73.2	81.0	1:00p	66.4	12:00m	0.0	8.2	0.00	1.4	18.0	4:00p	ESE
4	64.8	73.3	2:00p	49.2	12:00m	2.5	2.3	0.00	3.4	21.0	1:30p	NNW
5	52.8	62.8	3:00p	38.4	7:30a	12.2	0.0	0.00	2.1	18.0	3:00p	SE
6	62.6	66.8	4:30p	58.1	5:00a	2.8	0.4	0.17	3.0	18.0	11:30a	SE
7	64.5	71.4	3:00p	56.9	12:00m	2.2	1.7	0.61	2.4	17.0	7:00p	SE
8	57.3	64.3	5:30p	53.2	5:30a	7.7	0.0	0.17	1.1	10.0	1:00a	NNW
9	57.1	69.7	4:30p	47.7	12:00m	8.4	0.5	0.19	0.8	13.0	1:30p	NNW
10	56.4	71.7	5:00p	45.2	8:00a	9.6	1.0	0.00	0.8	10.0	12:00p	NNW
11	55.6	72.9	5:00p	42.6	7:30a	10.7	1.3	0.00	0.7	16.0	1:30p	NNW
12	54.9	67.2	6:00p	46.1	3:30a	10.2	0.1	0.00	0.9	16.0	10:00p	NW
13	49.7	62.1	6:00p	38.1	6:00a	15.3	0.0	0.00	0.8	12.0	1:30p	SE
14	54.3	74.3	4:30p	37.2	8:00a	12.4	1.7	0.01	1.3	18.0	2:00p	SW
15	55.0	69.0	4:00p	38.2	8:00a	10.6	0.6	0.00	1.7	16.0	2:00p	SE
16	55.1	58.4	12:30a	50.0	10:30p	9.9	0.0	0.70	4.8	25.0	8:30p	SE
17	51.1	53.7	2:00p	47.5	9:00a	13.9	0.0	0.00	7.2	29.0	2:00p	NW
18	50.5	59.6	4:00p	39.0	12:00m	14.5	0.0	0.00	3.3	24.0	10:30a	NW
19	48.2	61.5	2:30p	32.9	8:00a	16.8	0.0	0.00	1.2	16.0	2:30p	SE
20	53.4	55.7	2:00p	50.4	8:00a	11.6	0.0	0.24	1.6	13.0	2:30a	NNW
21	56.9	66.2	4:30p	52.1	8:00a	8.1	0.1	0.00	1.7	15.0	9:30p	NNW
22	56.6	58.5	12:30a	52.2	9:30p	8.4	0.0	0.59	3.4	18.0	2:00p	SE
23	52.2	64.3	4:30p	40.5	12:00m	12.8	0.0	0.01	1.2	18.0	3:00p	W
24	49.6	68.1	4:30p	34.8	8:00a	15.8	0.3	0.00	1.5	17.0	12:30p	S
25	50.1	63.0	4:00p	40.2	6:00a	14.9	0.0	0.00	0.3	6.0	4:00p	SSE
26	55.0	60.8	2:30p	48.2	6:30a	10.0	0.0	0.00	1.1	14.0	11:00p	SE
27	64.7	75.7	2:30p	56.8	12:30a	2.9	2.6	0.72	3.9	23.0	4:00a	NW
28	56.9	68.3	4:00p	43.5	7:30a	8.6	0.5	0.00	1.4	13.0	4:00p	SE
29	57.3	64.6	4:30p	53.1	2:00a	7.7	0.0	0.00	2.2	12.0	9:00a	SE
30	59.2	64.1	12:30p	52.1	2:30a	5.8	0.0	0.46	2.3	13.0	12:00p	SE
31	65.6	75.7	6:30p	50.5	12:00m	2.5	3.1	1.43	7.4	34.0	10:30p	SSE
	57.8	91.7	2	32.9	19	268.8	45.5	5.30	2.2	34.0	31	SE

Max >= 90.0: 1

Max <= 32.0: 0

Min <= 32.0: 0

Min <= 0.0: 0

Max Rain: 1.43 ON 10/31/19

Days of Rain: 10 (>.01 in) 10 (>.1 in) 1 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for NOV. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	42.9	50.5	12:30a	32.4	12:00m	22.1	0.0	0.00	5.3	27.0	1:00a	NW
2	37.8	52.2	5:30p	27.3	7:30a	27.2	0.0	0.00	0.7	15.0	3:00p	SW
3	41.1	51.8	3:00p	29.9	12:00m	23.9	0.0	0.00	2.0	18.0	9:30a	NW
4	44.7	59.0	3:30p	27.9	7:00a	20.3	0.0	0.00	3.8	27.0	1:30p	SSE
5	48.9	60.6	3:00p	37.1	6:00a	16.1	0.0	0.00	1.8	14.0	11:30p	NW
6	46.6	56.9	3:30p	34.2	7:30a	18.4	0.0	0.00	1.5	13.0	10:30a	NW
7	48.1	54.3	2:00p	40.7	12:00m	16.9	0.0	0.21	2.2	15.0	4:00a	ESE
8	35.0	40.8	12:30a	24.7	12:00m	30.0	0.0	0.00	5.3	24.0	2:30a	NW
9	32.1	41.0	3:30p	20.0	7:00a	32.9	0.0	0.00	2.5	18.0	1:00p	SSE
10	44.0	57.9	4:00p	33.4	3:30a	21.0	0.0	0.00	2.1	13.0	11:00a	S
11	50.6	68.0	2:00p	32.4	5:30a	14.6	0.2	0.00	1.5	15.0	4:30p	SE
12	38.5	57.8	1:00a	24.8	12:00m	26.5	0.0	0.11	6.9	27.0	3:30p	NW
13	26.9	35.6	3:30p	20.6	7:00a	38.1	0.0	0.00	2.0	14.0	10:30a	NW
14	33.0	42.1	3:00p	24.4	7:00a	32.0	0.0	0.00	3.2	14.0	12:30p	SE
15	37.3	52.0	3:30p	24.0	7:30a	27.7	0.0	0.00	1.2	16.0	11:00p	NNW
16	35.4	44.9	3:30p	26.7	11:00p	29.6	0.0	0.00	1.0	13.0	12:00p	N
17	35.9	41.7	3:00p	29.5	7:00a	29.1	0.0	0.00	1.0	8.0	6:30a	NNW
18	37.7	40.4	3:30p	35.2	4:00a	27.3	0.0	0.01	0.5	6.0	4:30p	NNW
19	41.9	52.0	2:30p	29.6	6:30a	23.1	0.0	0.01	0.9	11.0	12:00p	S
20	45.9	48.8	12:30p	43.6	3:30a	19.1	0.0	0.00	3.7	18.0	7:30p	NW
21	42.9	51.2	3:30p	27.8	7:30a	22.1	0.0	0.00	1.4	13.0	8:00p	SE
22	47.7	59.1	12:00p	32.6	12:00m	17.3	0.0	0.00	4.5	28.0	12:00p	NW
23	34.5	40.9	2:00p	23.9	7:30a	30.5	0.0	0.11	1.8	12.0	12:30p	SE
24	39.8	48.4	1:30p	30.8	11:30p	25.2	0.0	0.54	2.8	25.0	12:30p	NW
25	41.4	56.6	3:30p	30.5	2:30a	23.6	0.0	0.00	1.2	14.0	1:30p	S
26	46.4	63.6	3:00p	28.9	6:30a	18.6	0.0	0.00	0.7	11.0	9:00p	ESE
27	52.4	60.6	7:30p	42.7	2:00a	12.6	0.0	0.00	5.8	31.0	9:00p	SSE
28	43.5	48.9	12:30a	39.6	12:00m	21.5	0.0	0.00	11.0	39.0	1:30a	NW
29	39.0	46.5	3:00p	31.2	6:00a	26.0	0.0	0.00	1.6	13.0	11:00a	NW
30	39.1	42.8	4:00p	33.6	7:30a	25.9	0.0	0.00	0.4	8.0	10:30p	ESE
	41.0	68.0	11	20.0	9	719.2	0.2	0.99	2.7	39.0	28	NW

Max >= 90.0: 0

Max <= 32.0: 0

Min <= 32.0: 18

Min <= 0.0: 0

Max Rain: 0.54 ON 11/24/19

Days of Rain: 4 (>.01 in) 4 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

MONTHLY CLIMATOLOGICAL SUMMARY for DEC. 2019

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		WIND	HIGH		DIR
1	37.2	40.2	12:30a	35.1	8:30p	27.8	0.0	0.46	2.5	20.0	8:00a	ESE
2	37.7	42.1	3:30p	33.5	5:00a	27.3	0.0	0.04	4.1	20.0	7:00p	NW
3	38.4	42.9	12:30p	35.8	12:00m	26.6	0.0	0.00	6.3	23.0	8:30a	NW
4	37.8	44.0	4:00p	32.5	4:30a	27.2	0.0	0.05	2.0	20.0	4:00p	WNW
5	37.3	44.2	2:30p	26.9	12:00m	27.7	0.0	0.00	4.5	24.0	1:30p	WNW
6	39.6	52.7	5:00p	26.3	3:30a	25.4	0.0	0.00	2.7	21.0	11:00p	NW
7	31.5	40.4	4:00p	22.7	11:30p	33.5	0.0	0.00	1.3	15.0	2:00a	NW
8	33.5	44.5	3:00p	19.5	5:30a	31.5	0.0	0.00	3.3	23.0	11:00a	SE
9	41.7	46.5	11:30p	38.0	12:00p	23.3	0.0	0.29	3.3	13.0	12:00p	SE
10	46.7	54.3	3:00p	34.3	12:00m	18.3	0.0	0.18	2.0	20.0	5:30p	NW
11	32.8	37.7	3:00p	29.2	8:30p	32.2	0.0	0.00	2.9	20.0	11:00p	NW
12	30.3	36.6	3:30p	20.7	7:30a	34.7	0.0	0.00	1.6	12.0	12:30p	SE
13	33.3	34.5	3:30p	30.5	12:30a	31.7	0.0	0.22	0.8	9.0	1:00a	NNW
14	38.4	44.8	5:00p	34.0	1:00a	26.6	0.0	0.44	2.3	21.0	5:30p	S
15	41.1	47.1	9:30a	32.6	8:00p	23.9	0.0	0.00	4.2	27.0	3:00p	NW
16	32.4	34.3	12:30a	30.7	6:30a	32.6	0.0	0.68	0.2	6.0	12:30p	NW
17	35.0	38.0	5:30p	32.4	12:30a	30.0	0.0	0.22	4.0	26.0	8:30p	NW
18	29.7	34.9	12:30a	22.4	12:00m	35.3	0.0	0.00	6.4	33.0	9:30p	NW
19	22.8	31.0	4:00p	17.9	8:00a	42.2	0.0	0.00	4.0	21.0	1:30a	NW
20	24.7	37.4	2:30p	14.7	6:30a	40.3	0.0	0.00	0.4	12.0	1:00p	NNW
21	25.5	34.7	3:00p	19.1	8:00a	39.5	0.0	0.00	0.5	9.0	3:00p	ESE
22	28.9	49.9	4:00p	16.9	7:30a	36.1	0.0	0.00	0.1	7.0	12:00p	S
23	29.8	46.2	3:30p	20.4	8:00a	35.2	0.0	0.00	0.1	6.0	12:30p	NNW
24	32.8	50.8	3:30p	21.6	7:30a	32.2	0.0	0.00	0.9	12.0	12:00p	NNW
25	31.5	47.0	3:00p	21.3	6:30a	33.5	0.0	0.00	0.5	11.0	3:30p	SE
26	38.3	55.0	3:00p	24.6	5:00a	26.7	0.0	0.00	0.8	11.0	3:30p	SE
27	45.6	55.5	2:30p	38.8	12:00m	19.4	0.0	0.00	2.4	14.0	2:30a	SE
28	43.3	60.1	4:00p	31.6	8:30a	21.7	0.0	0.00	0.3	8.0	12:00p	NW
29	45.0	49.4	9:00a	37.3	6:30a	20.0	0.0	0.52	1.4	15.0	9:30a	SE
30	45.5	55.2	3:30p	42.5	6:30a	19.5	0.0	0.06	1.6	19.0	9:00a	NNW
31	41.7	49.9	3:00p	31.8	6:00a	23.3	0.0	0.01	3.7	23.0	12:00m	W
	35.8	60.1	28	14.7	20	905.2	0.0	3.17	2.3	33.0	18	NW

Max >= 90.0: 0

Max <= 32.0: 1

Min <= 32.0: 19

Min <= 0.0: 0

Max Rain: 0.68 ON 12/16/19

Days of Rain: 11 (>.01 in) 8 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

ANNUAL CLIMATOLOGICAL SUMMARY

NAME: WMREC CITY: STATE:
 ELEV: 0 ft LAT: 39° 30' 37" N LONG: 77° 43' 59" W

TEMPERATURE (°F), HEAT BASE 65.0, COOL BASE 65.0

YR	MO	MEAN MAX	MEAN MIN	MEAN	DEP. FROM NORM	HEAT DEG DAYS	COOL DEG DAYS	HI	DATE	LOW	DATE	MAX >=90	MAX <=32	MIN <=32	MIN <=0
19	2	44.1	27.0	35.8	0.0	819	0	67.4	5	2.7	2	0	1	20	0
19	3	50.5	31.0	41.1	0.0	748	7	76.3	15	13.6	7	0	1	19	0
19	4	67.4	45.6	56.2	0.0	293	31	80.5	23	28.6	3	0	0	3	0
19	5	75.9	57.5	66.0	0.0	104	137	89.2	28	39.6	15	0	0	0	0
19	6	80.9	60.8	70.6	0.0	43	212	90.8	29	43.2	4	3	0	0	0
19	7	87.3	66.0	75.7	0.0	9	341	97.4	21	56.4	25	8	0	0	0
19	8	84.7	63.8	73.1	0.0	23	274	92.6	19	54.4	26	2	0	0	0
19	9	82.0	58.9	69.5	0.0	52	188	92.2	12	44.2	20	3	0	0	0
19	10	67.8	48.2	57.8	0.0	269	45	91.7	2	32.9	19	1	0	0	0
19	11	50.9	30.7	41.0	0.0	719	0	68.0	11	20.0	9	0	0	18	0
19	12	44.6	28.2	35.8	0.0	905	0	60.1	28	14.7	20	0	1	19	0
		64.7	45.1	54.6	0.0	5032	1235	97.4	JUL	-0.3	JAN	17	8	105	1

PRECIPITATION (in)

YR	MO	TOTAL	DEP. FROM NORM	MAX OBS. DAY	DATE	DAYS OF RAIN OVER		
						.01	.1	1
19	1	2.85	0.00	0.81	19	11	7	0
19	2	2.81	0.00	0.90	12	11	7	0
19	3	3.70	0.00	2.32	21	12	6	1
19	4	3.05	0.00	1.10	19	14	8	1
19	5	6.25	0.00	1.90	5	15	12	2
19	6	3.19	0.00	1.04	25	11	6	1
19	7	5.00	0.00	1.71	22	9	8	2
19	8	3.28	0.00	0.84	13	8	7	0
19	9	0.78	0.00	0.32	30	5	3	0
19	10	5.30	0.00	1.43	31	10	10	1
19	11	0.99	0.00	0.54	24	4	4	0
19	12	3.17	0.00	0.68	16	11	8	0
		40.37	0.00	2.32	MAR	121	86	8

WIND SPEED (mph)

YR	MO	AVG.	HI	DATE	DOM
					DIR
19	1	3.8	40.0	20	NW
19	2	2.9	37.0	24	NW
19	3	4.0	35.0	15	NW
19	4	3.5	35.0	20	NW
19	5	2.1	33.0	10	NNW
19	6	2.1	25.0	21	NNW
19	7	0.9	27.0	2	NNW
19	8	1.1	21.0	7	SE
19	9	1.1	22.0	24	SE
19	10	2.2	34.0	31	SE
19	11	2.7	39.0	28	NW
19	12	2.3	33.0	18	NW
		2.4	40.0	JAN	NW