



Weather Conditions and the Ozone Air Quality Index (AQI) for an Ozone Episode

Detroit 2003

Day	Max. Temp	Min. Temp	Ave. Temp	Rain	Ave. Wind mph	Direction	% Sky Cover	Visibility	Ozone Action	Ozone AQI
June 21	81	53	67	0	7.7	NW	10			green
June 22	83	59	71	0	5.0	W	30			yellow
June 23	88	61	75	0	5.6	SW	10		yes	orange
June 24	88	63	76	0	6.9	S	40	haze	yes	orange
June 25	91	66	79	0	9.5	SW	10	haze	yes	red
June 26	87	62	75	0.21	12.2	SW	50	haze	yes	yellow
June 27	80	57	69	0	11.3	SW	30			green
June 28	78	61	70	0.34	10.4	SW	60	haze		green
June 29	81	62	72	0.08	10.4	SW	70	fog		green
June 30	81	59	70	0	5.3	S	50			green
July 1	83	61	72	0	4.6	S	20	haze		yellow
July 2	88	63	76	0	3.0	NW	20	haze		orange
July 3	90	67	79	0	5.9	SW	40	haze	yes	orange
July 4	92	70	81	0	11.8	NW	50	haze	yes	green
July 5	85	71	78	0	12.0	W	70			green

Marquette 2003

Day	Max. Temp	Min. Temp	Ave. Temp	Rain	% Sunlight	Visibility	Ozone Level
June 21	84	50	67	0	100		green
June 22	87	55	71	0	95.0		green/yellow
June 23	91	61	76	Trace	87.0		green
June 24	85	67	76	0.01	68.0		orange
June 25	90	69	80	0.03	72.0	Haze	orange
June 26	72	52	62	0.06	64.0		orange
June 27	59	42	51	0.01	40.0		green
June 28	57	36	47	0	93.0		green
June 29	66	48	57	0.06	80.0	Fog	green
June 30	77	46	62	0	95.0		green
July 1	83	49	66	0	100.0		green

**Weather Conditions and the Ozone Air Quality Index (AQI)
for an Ozone Episode, Page 2 of 2**

Grand Rapids 2003

Day	Max. Temp	Min. Temp	Ave. Temp	Rain	Ave. Wind mph	Direction	% Sun	% Sky Cover	Visibility	Ozone Action	Ozone AQI
June 21	81	50	66	0	4.2	W	87	20			green
June 22	85	50	68	0	4.2	W	100	20		yes	orange
June 23	87	54	71	0	5.5	SW	92	20		yes	orange
June 24	91	62	77	0	9	S	83	50	Haze	yes	orange
June 25	92	65	79	0	10	S	86	30	Haze	yes	red
June 26	80	60	70	0.1	13.8	W	15	80	Fog		yellow
June 27	79	55	67	0.01	13.1	SW	82	40			green
June 28	79	58	69	0.94	8.7	W	41	70	Fog		green
June 29	78	59	69	0.01	10.2	NW	51	50	Fog		green
June 30	82	55	69	0	5.6	W	78	20	Fog		green
July 1	84	55	70	0	2.7	NW	79	20			yellow
July 2	87	59	73	0	3.9	SW	72	40			yellow
July 3	89	60	75	trace	9.1	SW	66	50	Haze	yes	orange
July 4	90	70	80	0.06	10.8	NW	72	50	Haze		yellow
July 5	81	65	73	0.2	9.1	W	48	50	Haze		yellow

Sources:

U.S. Environmental Protection Agency. *AirNow*. Retrieved April 1, 2005, from <http://airnow.gov/>.

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Weather Underground. *Detailed History and Climate*. Retrieved April 1, 2005, from <http://www.wunderground.com>.