

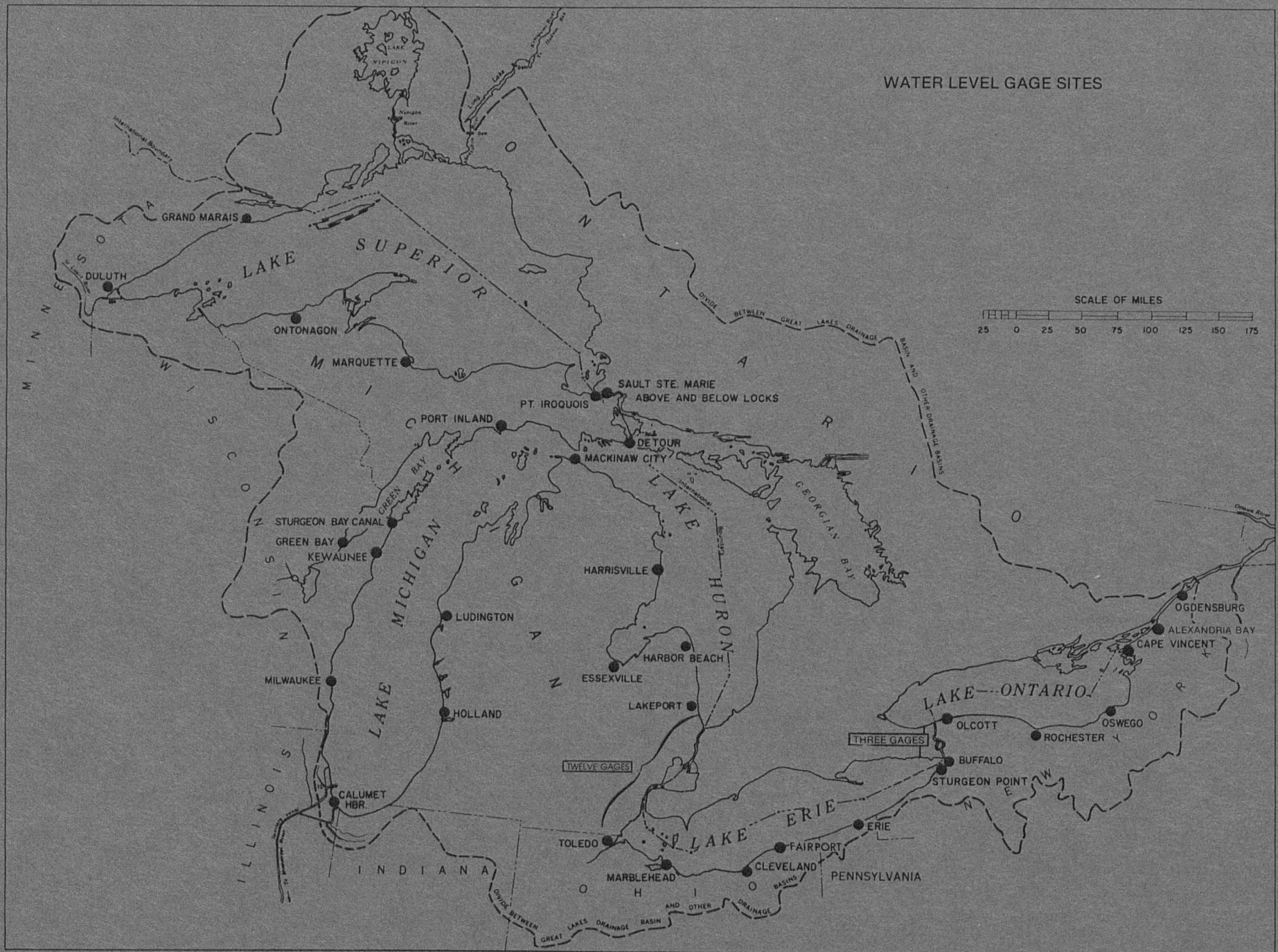


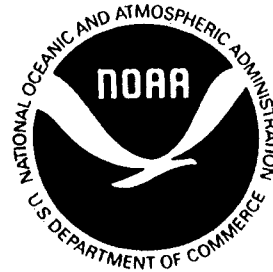
Great Lakes Water Levels, 1992

U.S. DEPARTMENT OF COMMERCE, National Oceanic and Atmospheric Administration, National Ocean Service



WATER LEVEL GAGE SITES





Great Lakes Water Levels

1992

Daily and Monthly Average Water Surface Elevations

September 1993

INTRODUCTION

The Office of Ocean and Earth Sciences (OES), within the National Oceanic and Atmospheric Administration (NOAA), is responsible for collecting water level data for the entire Great Lakes Basin watershed (295,000 square miles), and for maintaining the International Great Lakes Datum (IGLD). In meeting these responsibilities, close coordination is maintained with other Federal agencies and Canadian counterparts. Exchanges of water level data with Canada are made under treaties that require regulation of operations and support of cooperative power generation. These exchanges are coordinated under the International Joint Commission (IJC), a group of six commissioners appointed by the President of the United States and the Prime Minister of Canada. Parties involved in meeting the international agreements include: several boards of control, IJC committees of two Federal agencies, eight states and two Canadian Provinces.

Beginning in 1970 (under authority of Presidential Reorganization Plan No. 4 (now part of U.S. Code 33 Title 883)), OES's predecessor organization began a program of monitoring and collecting water levels, and maintaining a vertical control reference system for the Great Lakes and their connecting channels. The program, required by Congress and by international treaties, has a mission of providing a hydraulic vertical reference datum by which the governments of Canada and the United States manage water resources in the Great Lakes Basin. International management of water resources in the Great Lakes Basin is vital to ensuring the safety of the lakes many users. The Great Lakes Program takes into account fluctuations of the lakes water levels and the outflows of rivers relative to: regulation, lake level forecasting, shipping, international cooperative treaties and agreements, riparian interests, hydroelectric power generation, construction, dredging, litigation, and other water resources management and development activities.

Presently, the Great Lakes Program is divided into office and field functions to address: basic water level measurements, vertical datums, earth movement (for the International Great Lakes Datum), basin precipitation, abstracts of diversions, vertical control support for hydrographic surveys, construction and maintenance activities, and needs of user communities. Since 1973, real-time data has been provided for emergency water planning situations by using water-level gauges with electronic telemetry units. Presently, 28 of these water level measurement units are operating in the field; OES plans to install and operate new state-of-the-art electronic telemetry systems in the future.

This report, published annually, contains water level gauge records for the Great Lakes in units of both meters and feet. The following information is presented in tabular form for the calendar year:

1. Daily and monthly average water levels for each gauge in the network;
2. The highest and lowest daily average water level for each month;
3. A frequency distribution of daily average water levels that shows the number of times each month recorded levels were at or above specific elevations; and
4. Monthly average water level stages for each lake, from 1900 to the present.

OES gauges record water levels, in either analog or digital form, on strip charts retained by OES. Recorded hourly values are used to compute daily averages; monthly values are derived from daily averages.

Locations of gauges for recording water levels are shown on the inside cover page. An index on subsequent pages lists gauge identification numbers, their locations, and their geographic coordinates.

A separate publication, printed every five years, shows only monthly and annual averages, and highest and lowest monthly averages for the period of record (latest issue: Great Lakes Water Levels, 1860-1990). A hydrograph, that depicts data for master control gauges for each lake, is available for a nominal fee by writing: National Ocean Service, Office of Ocean and Earth Sciences, N/OES21, Silver Spring, Maryland, 20910-3233.

DATUM OF REFERENCE: All tabulated elevations are referred to the International Great Lakes Datum 1985. A complete explanation of the datum can be obtained at no charge by writing the address above.

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Station Number and Location		Latitude			Longitude			Page	
		North			West			Meters	Feet
ST. LAWRENCE RIVER									
1030	Ogdensburg, New York	44	42	10	75	29	40	1	105
1062	Alexandria Bay C.G., New York	44	19	56	75	56	06	3	107
LAKE ONTARIO (CHART DATUM 74.2 m. / 243.3ft.)									
2000	Cape Vincent, New York	44	07	45	76	20	15	5	109
2030	OSWEGO, New York	43	27	51	76	30	42	7	111
2058	Rochester, New York	43	16	10	77	37	34	9	113
2076	Olcott, New York	43	20	17	78	43	39	11	115
NIAGARA RIVER									
3007	Ashland Avenue, Niagara Falls, New York	43	06	00	79	03	35	13	117
3009	American Falls, Niagara Falls, New York	43	04	54	79	03	42	15	119
3012	Niagara Intake, Niagara Falls, New York	43	04	40	79	00	55	17	121
LAKE ERIE (CHART DATUM 173.5 m. / 569.2 ft.)									
3020	Buffalo, New York	42	52	39	78	53	27	19	123
3028	Sturgeon Point, New York	42	41	27	79	02	52	21	125
3038	Erie, Pennsylvania	42	09	15	80	04	32	23	127
3053	FAIRPORT, Ohio	41	45	00	81	17	00	25	129
3063	Cleveland, Ohio	41	32	27	81	38	08	27	131
3079	Marblehead, Ohio	41	32	40	82	43	53	29	133
3085	Toledo, Ohio	41	41	36	83	28	20	31	135
3090	Fermi Power Plant, Stony Point, Michigan	41	57	35	83	15	30	33	137

NOTES: Locations shown in **CAPITAL** letters are master gauges.

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Station Number and Location		Latitude			Longitude			Page	
		North			West			Meters	Feet
DETROIT RIVER									
4020	Gibraltar, Michigan	42	05	30	83	11	10	35	139
4030	Wyandotte, Michigan	42	12	12	83	08	50	37	141
4036	Fort Wayne, Detroit, Michigan	42	17	53	83	05	34	39	143
4049	Windmill Point, Detroit, Michigan	42	21	26	82	55	45	41	145
LAKE ST. CLAIR (CHART DATUM 174.4 m. / 572.3 ft.)									
4052	ST. CLAIR SHORES, Michigan	42	28	24	82	52	45	43	147
ST. CLAIR RIVER									
4070	Algonac, Michigan	42	37	15	82	31	37	45	149
4080	St. Clair S.P., St. Clair, Michigan	42	48	45	82	29	09	47	151
4087	Dry Dock, Port Huron, Michigan	42	56	43	82	26	37	49	153
4090	Mouth of the Black River, Port Huron, MI	42	58	27	82	25	14	51	155
4096	Dunn Paper Company, Port Huron, Michigan	43	00	12	82	25	20	53	157
4098	Fort Gratiot, Port Huron, Michigan	43	00	23	82	25	21	55	159
LAKE HURON (CHART DATUM 176.0 m. / 577.5 ft.)									
5002	Lakeport, Michigan	43	08	30	82	29	35	57	161
5014	HARBOR BEACH, Michigan	43	50	45	82	38	38	59	163
5035	Essexville, Michigan	43	38	29	83	50	48	61	165
5059	Harrisville, Michigan	44	39	34	83	17	11	63	167
5080	Mackinaw City, Michigan	45	46	40	84	43	10	65	169
5099	De Tour Village, Michigan	45	59	30	83	53	48	67	171

NOTES: Locations shown in **CAPITAL** letters are master gauges.

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Station Number and Location		Latitude			Longitude			Page	
		North			West			Meters	Feet
ST. MARY'S RIVER									
6060	U.S. Slip below locks, Sault Ste. Marie, MI	46	30	03	84	20	24	69	173
6070	S.W. Pier above locks, Sault Ste. Marie, MI	46	30	05	84	22	21	71	175
LAKE MICHIGAN (CHART DATUM 176.0 m. / 577.5 ft.)									
7023	Ludington, Michigan	43	56	48	86	26	30	73	177
7031	Holland, Michigan	42	46	05	86	12	06	75	179
7044	Calumet Harbor, S. Chicago, Illinois	41	43	48	87	32	18	77	181
7057	Milwaukee, Wisconsin	43	00	05	87	53	13	79	183
7068	Kewaunee, Wisconsin	44	27	48	87	30	00	81	185
7072	Sturgeon Bay Canal, Wisconsin	44	47	40	87	18	48	83	187
7079	Green Bay, Wisconsin	44	32	27	88	00	30	85	189
7096	Port Inland, Michigan	45	58	10	85	52	20	87	191
LAKE SUPERIOR (CHART DATUM 183.2 m. / 601.1 ft.)									
9004	Point Iroquois, Michigan	46	29	06	84	37	52	89	193
9018	MARQUETTE C.G., Michigan	46	32	42	87	22	42	91	195
9044	Ontonagon, Michigan	46	52	40	89	19	15	93	197
9064	Duluth, Minnesota	46	46	32	92	05	34	95	199
9090	Grand Marais, Minnesota	47	44	53	90	20	30	97	201
Lake Ontario Stages at OSWEGO, New York								98	202
Lake Erie Stages at CLEVELAND/FAIRPORT, Ohio								99	203
Lake St. Clair Stages at ST. CLAIR SHORES, Michigan								100	204
Lakes Huron-Michigan Stages at HARBOR BEACH, Michigan								101	205
Lake Superior Stages at MARQUETTE, Michigan								102	206

NOTES: Locations shown in **CAPITAL** letters are master gauges.

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 831-1030 Ogdensburg, New York on St. Lawrence River

HIGHEST

Monthly mean elevation: 74.78 May
Daily mean elevation: 74.86 3 May
Instant/hourly elevation: 75.10 0500/13 Nov

LOWEST

Monthly mean elevation: 74.13 Feb
Daily mean elevation: 74.00 1 Jan
Instant/hourly elevation: 73.98 0500/2 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Day	74.35 24	74.22 27	74.44 31	74.77 29	74.86 3	74.80 13	74.76 28	74.82 29	74.72 1	74.68 2	74.75 13	74.66 25
Min Day	74.00 1	74.06 6	74.08 6	74.36 11	74.69 24	74.67 24	74.61 3	74.60 28	74.52 26	74.38 29	74.26 2	74.20 11

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
74.85					1								74.85	1
74.80					3			2					74.80	6
74.75				1	19	10	2	4					74.75	42
74.70				3	7	11	11	9	1		1		74.70	85
74.65				4	1	9	15	10	8	1		1	74.65	134
74.60				3			3	4	13	1		2	74.60	160
74.55				4				2	5	3	1	1	74.55	176
74.50				3					3	4	3	8	74.50	197
74.45				9						11	6	6	74.45	229
74.40			3	2						7	9	8	74.40	258
74.35			2	1						4	7	2	74.35	274
74.30	1		2								1	2	74.30	280
74.25	2		8								2		74.25	292
74.20	5	1	7										74.20	305
74.15	12	6	3									1	74.15	327
74.10	7	14	4										74.10	352
74.05	3	8	2										74.05	365
74.00													74.00	365
73.95	1												73.95	366

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 831-1030 Ogdensburg, New York on St. Lawrence River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.00	74.13	74.18	74.44	74.72	74.73	74.66	74.73	74.72	74.59	74.32	74.52
2	74.07	74.14	74.10	74.46	74.74	74.76	74.62	74.76	74.67	74.68	74.26	74.48
3	74.07	74.12	74.14	74.49	74.86	74.77	74.61	74.74	74.70	74.60	74.41	74.52
4	74.08	74.12	74.13	74.46	74.80	74.71	74.71	74.74	74.69	74.48	74.46	74.44
5	74.14	74.12	74.14	74.46	74.78	74.69	74.70	74.76	74.64	74.44	74.45	74.41
6	74.19	74.06	74.08	74.46	74.80	74.73	74.70	74.76	74.65	74.48	74.44	74.59
7	74.18	74.10	74.15	74.47	74.82	74.76	74.69	74.73	74.65	74.48	74.39	74.55
8	74.12	74.10	74.18	74.47	74.81	74.80	74.66	74.71	74.68	74.46	74.39	74.45
9	74.15	74.13	74.20	74.48	74.78	74.79	74.72	74.75	74.63	74.48	74.38	74.42
10	74.15	74.11	74.27	74.44	74.79	74.76	74.69	74.74	74.68	74.50	74.41	74.35
11	74.13	74.14	74.30	74.36	74.79	74.77	74.70	74.75	74.63	74.49	74.49	74.20
12	74.16	74.10	74.36	74.58	74.80	74.80	74.67	74.70	74.62	74.54	74.41	74.31
13	74.22	74.09	74.31	74.54	74.80	74.80	74.68	74.69	74.62	74.57	74.75	74.37
14	74.17	74.09	74.28	74.56	74.79	74.76	74.66	74.69	74.62	74.48	74.58	74.44
15	74.23	74.07	74.25	74.53	74.78	74.68	74.67	74.66	74.61	74.42	74.46	74.44
16	74.20	74.15	74.26	74.48	74.78	74.70	74.67	74.66	74.60	74.53	74.46	74.52
17	74.28	74.14	74.29	74.54	74.82	74.69	74.70	74.68	74.62	74.63	74.41	74.49
18	74.27	74.08	74.24	74.58	74.77	74.72	74.73	74.68	74.64	74.54	74.38	74.48
19	74.24	74.11	74.21	74.59	74.78	74.72	74.72	74.72	74.62	74.51	74.38	74.52
20	74.19	74.12	74.25	74.62	74.79	74.72	74.75	74.68	74.58	74.48	74.36	74.62
21	74.17	74.16	74.24	74.62	74.80	74.73	74.72	74.69	74.60	74.44	74.46	74.50
22	74.11	74.17	74.22	74.67	74.80	74.72	74.71	74.68	74.67	74.44	74.41	74.55
23	74.18	74.18	74.26	74.70	74.80	74.72	74.69	74.65	74.56	74.49	74.30	74.54
24	74.35	74.11	74.26	74.65	74.69	74.67	74.70	74.65	74.53	74.46	74.39	74.51
25	74.21	74.13	74.25	74.66	74.71	74.71	74.71	74.65	74.52	74.39	74.42	74.66
26	74.22	74.17	74.28	74.70	74.74	74.70	74.72	74.64	74.52	74.42	74.45	74.64
27	74.17	74.22	74.34	74.73	74.74	74.70	74.76	74.60	74.67	74.43	74.53	74.47
28	74.14	74.16	74.40	74.75	74.79	74.71	74.76	74.60	74.65	74.44	74.48	74.49
29	74.17	74.16	74.42	74.77	74.78	74.69	74.75	74.82	74.66	74.38	74.51	74.43
30	74.18		74.42	74.75	74.74	74.69	74.74	74.80	74.59	74.39	74.53	74.39
31	74.17		74.44		74.73		74.65	74.81		74.39		74.43
Mean	74.17	74.13	74.25	74.57	74.78	74.73	74.70	74.71	74.63	74.48	74.44	74.48
Max. Hr. Day	74.52 0900 24	74.30 1400 27	74.48 0800 31	74.79 1100 29	74.96 0300 3	74.84 1900 8	74.80 1700 28	74.96 1600 29	74.84 1900 27	74.84 0300 17	75.10 0500 13	74.91 2100 25
Min. Hr. Day	73.98 0500 2	74.00 2100 6	74.02 1800 6	74.18 0700 11	74.61 0800 24	74.63 1400 24	74.55 1800 31	74.53 0700 28	74.48 1700 25	74.35 1300 29	74.10 0500 23	74.14 1900 11

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 74.50

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 831-1062 Alexandria Bay C.G., New York on St. Lawrence River

HIGHEST

Monthly mean elevation: 74.96 May
Daily mean elevation: 75.01 3 May
Instant/hourly elevation: 75.14 0400/13 Nov

LOWEST

Monthly mean elevation: 74.32 Feb
Daily mean elevation: 74.26 15 Feb
Instant/hourly elevation: 74.21 0200/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	74.47	74.40	74.57	74.90	75.01	74.97	74.92	74.98	74.92	74.84	74.86	74.85
Day	24	27	31	30	3	9	29	29	1	2	13	25
Min	74.27	74.26	74.30	74.56	74.89	74.86	74.81	74.81	74.76	74.61	74.52	74.54
Day	8	15	6	11	1	29	3	27	26	31	2	11

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
75.00					1								75.00	1
74.95					23	6		3					74.95	33
74.90					6	13	5	12	1				74.90	70
74.85				5	1	11	16	10	9		1		74.85	123
74.80				4			10	6	15	1		2	74.80	161
74.75				2					5	4		2	74.75	174
74.70				4						9	4	10	74.70	201
74.65				3						10	10	11	74.65	235
74.60				9						7	12	3	74.60	266
74.55			3	3							2	2	74.55	276
74.50			2								1	1	74.50	280
74.45	1		8										74.45	289
74.40	1		9										74.40	299
74.35	6	5	4										74.35	314
74.30	15	16	4										74.30	349
74.25	8	8	1										74.25	366

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 831-1062 Alexandria Bay C.G., New York on St. Lawrence River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.28	74.32	74.37	74.59	74.89	74.94	74.84	74.92	74.92	74.79	74.56	74.72
2	74.30	74.32	74.31	74.61	74.92	74.96	74.81	74.93	74.88	74.84	74.52	74.70
3	74.28	74.31	74.35	74.63	75.01	74.96	74.81	74.91	74.90	74.80	74.64	74.73
4	74.27	74.32	74.34	74.61	74.97	74.92	74.87	74.93	74.89	74.72	74.68	74.66
5	74.31	74.32	74.34	74.62	74.96	74.91	74.86	74.94	74.86	74.69	74.67	74.67
6	74.33	74.27	74.30	74.61	74.97	74.93	74.86	74.93	74.87	74.71	74.66	74.78
7	74.32	74.31	74.36	74.62	74.98	74.94	74.84	74.91	74.86	74.70	74.63	74.75
8	74.27	74.32	74.37	74.62	74.97	74.97	74.83	74.91	74.88	74.69	74.62	74.67
9	74.31	74.32	74.37	74.62	74.97	74.97	74.88	74.94	74.84	74.71	74.62	74.64
10	74.31	74.30	74.42	74.60	74.98	74.95	74.85	74.92	74.88	74.71	74.64	74.60
11	74.28	74.33	74.46	74.56	74.98	74.95	74.87	74.95	74.85	74.71	74.68	74.54
12	74.30	74.28	74.50	74.73	74.98	74.96	74.84	74.91	74.84	74.74	74.63	74.60
13	74.33	74.29	74.48	74.68	74.99	74.96	74.86	74.89	74.83	74.75	74.86	74.63
14	74.32	74.28	74.46	74.70	74.98	74.94	74.84	74.90	74.83	74.69	74.74	74.69
15	74.35	74.26	74.45	74.68	74.97	74.90	74.85	74.88	74.83	74.66	74.67	74.68
16	74.34	74.33	74.45	74.65	74.97	74.90	74.85	74.87	74.82	74.76	74.66	74.73
17	74.41	74.33	74.48	74.73	74.99	74.88	74.87	74.88	74.83	74.79	74.63	74.70
18	74.38	74.29	74.44	74.74	74.96	74.91	74.90	74.88	74.84	74.73	74.62	74.70
19	74.38	74.32	74.42	74.75	74.97	74.92	74.89	74.90	74.84	74.72	74.62	74.74
20	74.35	74.33	74.46	74.78	74.98	74.91	74.91	74.88	74.81	74.69	74.61	74.81
21	74.35	74.36	74.44	74.78	74.98	74.92	74.90	74.87	74.83	74.67	74.68	74.71
22	74.29	74.35	74.42	74.82	74.98	74.91	74.89	74.87	74.88	74.66	74.63	74.75
23	74.36	74.35	74.46	74.83	74.97	74.90	74.88	74.85	74.79	74.69	74.58	74.74
24	74.47	74.30	74.46	74.82	74.91	74.87	74.89	74.85	74.77	74.68	74.63	74.72
25	74.36	74.34	74.45	74.84	74.93	74.89	74.89	74.84	74.76	74.63	74.66	74.85
26	74.37	74.37	74.45	74.86	74.95	74.88	74.90	74.84	74.76	74.64	74.68	74.80
27	74.34	74.40	74.52	74.88	74.96	74.88	74.92	74.81	74.85	74.65	74.73	74.69
28	74.33	74.36	74.55	74.90	74.97	74.88	74.92	74.83	74.82	74.65	74.70	74.71
29	74.35	74.36	74.56	74.90	74.96	74.86	74.92	74.98	74.83	74.62	74.72	74.67
30	74.36		74.56	74.90	74.94	74.87	74.91	74.96	74.78	74.62	74.73	74.64
31	74.35		74.57		74.95		74.86	74.97		74.61		74.69
Mean	74.33	74.32	74.44	74.72	74.96	74.92	74.87	74.90	74.84	74.70	74.66	74.70
Max.	74.60	74.46	74.60	74.92	75.05	75.00	74.96	75.09	74.96	75.00	75.14	75.03
Hr.	1300	1700	1100	0900	0300	1800	2400	1500	0200	0200	0400	2300
Day	24	27	31	29	3	8	31	29	1	17	13	25
Min.	74.21	74.22	74.24	74.41	74.84	74.84	74.76	74.76	74.74	74.58	74.44	74.49
Hr.	0200	1600	1700	0600	0100	1500	0700	1900	1600	1600	0400	0400
Day	9	15	6	11	2	29	3	27	26	29	23	11

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 74.70

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 831-2000 Cape Vincent, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 75.09 May
Daily mean elevation: 75.11 17 May
Instant/hourly elevation: 75.44 0200/13 Nov

LOWEST

Monthly mean elevation: 74.42 Feb
Daily mean elevation: 74.21 1 Jan
Instant/hourly elevation: 74.18 0300/2 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	74.54	74.50	74.66	75.01	75.11	75.09	75.04	75.09	75.04	74.96	74.96	74.98
Day	24	27	31	30	17	8	27	29	3	2	13	25
Min	74.21	74.36	74.41	74.68	75.00	74.98	74.94	74.96	74.91	74.75	74.71	74.76
Day	1	15	6	1	1	29	2	27	30	31	2	11

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
75.10					3								75.10	3
75.05					26	12		6					75.05	47
75.00				1	1	12	14	17	8				75.00	100
74.95				3	1	6	15	8	15	1	1	1	74.95	151
74.90				5			2		7	3			74.90	170
74.85				5						9	4	13	74.85	201
74.80				1						11	9	12	74.80	234
74.75				4						6	14	3	74.75	261
74.70				7						1	2		74.70	271
74.65			1	4									74.65	276
74.60			4										74.60	280
74.55			11										74.55	291
74.50	1		6										74.50	298
74.45	6	5	4										74.45	313
74.40	12	17	5										74.40	347
74.35	9	7											74.35	363
74.30	2												74.30	365
74.25													74.25	365
74.20	1												74.20	366

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 831-2000 Cape Vincent, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.21	74.42	74.47	74.68	75.00	75.08	74.96	75.04	75.04	74.93	74.71	74.86
2	74.31	74.43	74.42	74.70	75.05	75.08	74.94	75.04	75.02	74.96	74.71	74.84
3	74.35	74.42	74.45	74.72	75.09	75.08	74.96	75.03	75.04	74.92	74.80	74.88
4	74.36	74.43	74.45	74.70	75.08	75.05	74.98	75.05	75.02	74.88	74.83	74.82
5	74.40	74.42	74.45	74.72	75.08	75.05	74.97	75.06	75.00	74.86	74.81	74.84
6	74.41	74.38	74.41	74.71	75.08	75.06	74.97	75.05	75.01	74.86	74.81	74.92
7	74.40	74.43	74.47	74.72	75.09	75.07	74.96	75.03	75.00	74.85	74.78	74.87
8	74.36	74.43	74.48	74.72	75.08	75.09	74.95	75.04	75.01	74.84	74.78	74.82
9	74.41	74.42	74.48	74.72	75.09	75.08	74.98	75.06	74.98	74.86	74.76	74.80
10	74.40	74.41	74.52	74.70	75.11	75.07	74.97	75.05	75.02	74.85	74.79	74.78
11	74.38	74.43	74.55	74.71	75.10	75.07	74.98	75.07	74.99	74.85	74.80	74.76
12	74.39	74.38	74.58	74.82	75.10	75.07	74.96	75.05	74.98	74.87	74.78	74.81
13	74.40	74.39	74.58	74.77	75.11	75.07	74.98	75.03	74.97	74.87	74.96	74.82
14	74.44	74.39	74.56	74.79	75.10	75.06	74.97	75.04	74.97	74.83	74.86	74.84
15	74.42	74.36	74.56	74.78	75.10	75.03	74.98	75.02	74.97	74.82	74.81	74.84
16	74.42	74.43	74.56	74.77	75.09	75.02	74.98	75.01	74.96	74.91	74.81	74.87
17	74.50	74.41	74.58	74.86	75.11	75.01	75.00	75.02	74.96	74.89	74.79	74.86
18	74.46	74.39	74.55	74.87	75.10	75.03	75.01	75.01	74.97	74.86	74.79	74.86
19	74.46	74.43	74.54	74.89	75.10	75.04	75.02	75.02	74.97	74.86	74.78	74.89
20	74.44	74.43	74.57	74.90	75.10	75.03	75.03	75.01	74.96	74.83	74.78	74.93
21	74.45	74.46	74.55	74.89	75.10	75.04	75.02	75.00	74.98	74.83	74.82	74.86
22	74.39	74.45	74.53	74.92	75.10	75.02	75.01	75.00	75.01	74.82	74.78	74.89
23	74.47	74.43	74.56	74.93	75.09	75.01	75.01	74.99	74.94	74.83	74.77	74.90
24	74.54	74.40	74.56	74.93	75.07	75.00	75.01	74.98	74.93	74.82	74.80	74.87
25	74.43	74.45	74.56	74.95	75.07	75.01	75.02	74.98	74.92	74.80	74.82	74.98
26	74.44	74.47	74.56	74.94	75.08	75.00	75.02	74.97	74.91	74.80	74.85	74.89
27	74.43	74.50	74.62	74.96	75.09	75.00	75.04	74.96	74.97	74.79	74.87	74.85
28	74.44	74.47	74.65	75.00	75.09	74.99	75.03	74.98	74.94	74.80	74.85	74.85
29	74.46	74.47	74.65	75.00	75.07	74.98	75.03	75.09	74.94	74.77	74.86	74.82
30	74.46		74.65	75.01	75.06	74.99	75.02	75.07	74.91	74.76	74.87	74.81
31	74.44		74.66		75.08		75.01	75.08		74.75		74.87
Mean	74.42	74.42	74.54	74.83	75.09	75.04	74.99	75.03	74.98	74.84	74.81	74.86
Max.	74.65	74.58	74.70	75.03	75.17	75.12	75.09	75.18	75.08	75.07	75.44	75.11
Hr.	1100	1100	2100	1900	2000	1500	2400	2200	1600	2000	0200	2200
Day	24	27	10	30	17	8	31	10	8	16	13	25
Min.	74.18	74.31	74.35	74.57	74.91	74.95	74.90	74.91	74.87	74.74	74.62	74.71
Hr.	0300	1400	1500	0400	1500	1400	0600	0600	1900	1900	0300	0200
Day	2	15	6	11	2	29	3	28	30	31	23	11

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 74.82

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 905-2030 Oswego, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 75.10 May
Daily mean elevation: 75.13 18 May
Instant/hourly elevation: 75.20 0100/3 May

LOWEST

Monthly mean elevation: 74.45 Feb
Daily mean elevation: 74.38 3 Jan
Instant/hourly elevation: 74.31 0600/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	74.54	74.52	74.68	75.03	75.13	75.11	75.06	75.08	75.05	74.94	74.87	74.93
Day	24	29	29	30	18	1	27	11	1	1	27	20
Min	74.38	74.39	74.45	74.70	75.02	74.99	74.94	74.97	74.92	74.79	74.71	74.78
Day	3	15	6	1	1	30	3	27	26	31	2	10

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
75.10					17	1							75.10	18
75.05					12	14	1	7					75.05	52
75.00				4	2	10	13	17	5				75.00	103
74.95				3		5	15	7	17				74.95	150
74.90				2			2		8	4			74.90	169
74.85				5						9	4	14	74.85	201
74.80				1						16	15	13	74.80	246
74.75				4						2	9	1	74.75	262
74.70				10							2		74.70	274
74.65			5	1									74.65	280
74.60			2										74.60	282
74.55			14										74.55	296
74.50	2	2											74.50	300
74.45	13	12	9										74.45	334
74.40	8	11	1										74.40	354
74.35	8	4											74.35	366

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 905-2030 Oswego, New York on Lake Ontario

International
Great Lakes
Datum (1985)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.40	74.47	74.50	74.70	75.02	75.11	74.98	75.06	75.05	74.94	74.76	74.85
2	74.39	74.46	74.47	74.72	75.04	75.10	74.96	75.04	75.02	74.93	74.71	74.84
3	74.38	74.44	74.48	74.73	75.10	75.09	74.94	75.03	75.01	74.93	74.77	74.89
4	74.40	74.46	74.47	74.72	75.10	75.09	74.96	75.05	75.02	74.91	74.79	74.85
5	74.42	74.47	74.47	74.74	75.10	75.08	74.96	75.06	75.00	74.90	74.83	74.89
6	74.43	74.42	74.45	74.72	75.10	75.09	74.97	75.05	74.98	74.87	74.85	74.89
7	74.45	74.43	74.48	74.72	75.10	75.09	74.97	75.03	74.98	74.86	74.82	74.90
8	74.40	74.46	74.50	74.73	75.11	75.10	74.95	75.02	74.99	74.84	74.80	74.85
9	74.40	74.47	74.49	74.74	75.12	75.10	74.99	75.05	74.98	74.84	74.78	74.82
10	74.44	74.40	74.50	74.74	75.12	75.09	74.98	75.05	75.00	74.84	74.77	74.78
11	74.41	74.44	74.60	74.75	75.12	75.09	74.99	75.08	75.01	74.85	74.80	74.86
12	74.40	74.40	74.65	74.84	75.12	75.08	74.97	75.07	74.99	74.87	74.75	74.88
13	74.40	74.39	74.61	74.80	75.13	75.08	75.00	75.06	74.98	74.88	74.86	74.87
14	74.47	74.41	74.60	74.80	75.13	75.08	75.00	75.04	74.96	74.84	74.82	74.85
15	74.48	74.39	74.59	74.80	75.12	75.07	75.00	75.03	74.96	74.85	74.82	74.85
16	74.47	74.45	74.57	74.79	75.11	75.05	74.99	75.01	74.95	74.88	74.81	74.83
17	74.50	74.44	74.60	74.88	75.10	75.02	75.00	75.01	74.95	74.90	74.81	74.87
18	74.53	74.42	74.57	74.88	75.13	75.02	75.03	75.00	74.96	74.86	74.81	74.88
19	74.49	74.44	74.57	74.88	75.12	75.04	75.03	75.04	75.00	74.90	74.81	74.83
20	74.46	74.46	74.59	74.88	75.11	75.05	75.03	75.02	74.97	74.84	74.78	74.93
21	74.48	74.48	74.58	74.89	75.12	75.04	75.05	75.02	74.94	74.84	74.78	74.86
22	74.43	74.45	74.56	74.93	75.10	75.04	75.05	75.01	75.00	74.83	74.81	74.87
23	74.43	74.47	74.58	74.93	75.11	75.02	75.04	75.00	74.98	74.82	74.82	74.89
24	74.54	74.46	74.58	74.98	75.12	75.02	75.03	74.99	74.95	74.85	74.81	74.92
25	74.48	74.45	74.56	74.98	75.11	75.01	75.02	74.98	74.92	74.84	74.82	74.87
26	74.47	74.49	74.57	75.00	75.10	75.00	75.02	74.97	74.92	74.82	74.83	74.92
27	74.45	74.52	74.66	75.01	75.11	75.00	75.06	74.97	74.93	74.82	74.87	74.82
28	74.47	74.49	74.68	75.02	75.10	75.00	75.05	74.98	74.94	74.81	74.85	74.83
29	74.47	74.52	74.68	75.01	75.10	74.99	75.04	75.06	74.99	74.81	74.86	74.84
30	74.46		74.66	75.03	75.08	74.99	75.04	75.02	74.96	74.80	74.86	74.85
31	74.47		74.67		75.10		75.04	75.07		74.79		74.88
Mean	74.45	74.45	74.56	74.84	75.10	75.05	75.00	75.03	74.98	74.86	74.81	74.86
Max.	74.64	74.61	74.71	75.06	75.20	75.14	75.12	75.14	75.08	75.05	75.15	75.06
Hr.	2100	1500	0400	2000	0100	1000	0700	0100	2400	1800	0100	2300
Day	14	27	29	30	3	1	14	11	18	16	13	25
Min.	74.31	74.35	74.42	74.58	74.82	74.93	74.91	74.93	74.88	74.74	74.68	74.73
Hr.	0600	1200	0500	0700	1900	0500	0600	0500	0700	2000	0300	0800
Day	9	15	7	11	1	18	5	28	27	31	3	19

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 74.83

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 905-2058 Rochester, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 75.11 May
Daily mean elevation: 75.13 15 May
Instant/hourly elevation: 75.29 2200/2 May

LOWEST

Monthly mean elevation: 74.44 Feb
Daily mean elevation: 74.39 13 Feb
Instant/hourly elevation: 74.34 1100/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Max | 74.48 | 74.50 | 74.67 | 75.03 | 75.13 | 75.10 | 75.05 | 75.09 | 75.04 | 74.93 | 74.85 | 74.90 |
| Day | 25    | 29    | 31    | 30    | 15    | 4     | 21    | 11    | 1     | 1     | 30    | 11    |
| Min | 74.39 | 74.39 | 74.46 | 74.68 | 75.02 | 74.98 | 74.94 | 74.97 | 74.91 | 74.78 | 74.75 | 74.83 |
| Day | 9     | 13    | 5     | 1     | 1     | 29    | 3     | 26    | 27    | 31    | 2     | 25    |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 75.10 | | | | | 16 | | | | | | | | 75.10 | 16 |
| 75.05 | | | | | 14 | 15 | | 3 | | | | | 75.05 | 48 |
| 75.00 | | | | 3 | 1 | 9 | 14 | 22 | 4 | | | | 75.00 | 101 |
| 74.95 | | | | 4 | | 6 | 15 | 6 | 18 | | | | 74.95 | 150 |
| 74.90 | | | | 3 | | | 2 | | 8 | 4 | | | 74.90 | 167 |
| 74.85 | | | | 4 | | | | | | 11 | | 17 | 74.85 | 199 |
| 74.80 | | | | 3 | | | | | | 14 | 16 | 14 | 74.80 | 246 |
| 74.75 | | | | 3 | | | | | | 2 | 13 | | 74.75 | 264 |
| 74.70 | | | | 8 | | | | | | | 1 | | 74.70 | 273 |
| 74.65 | | | 4 | 2 | | | | | | | | | 74.65 | 279 |
| 74.60 | | | 1 | | | | | | | | | | 74.60 | 280 |
| 74.55 | | | 16 | | | | | | | | | | 74.55 | 296 |
| 74.50 | | | | | | | | | | | | | 74.50 | 296 |
| 74.45 | 10 | 11 | 10 | | | | | | | | | | 74.45 | 327 |
| 74.40 | 10 | 16 | | | | | | | | | | | 74.40 | 353 |
| 74.35 | 3 | 2 | | | | | | | | | | | 74.35 | 358 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 905-2058 Rochester, New York on Lake Ontario

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1 | / | 74.46 | 74.48 | 74.68 | 75.02 | 75.10 | 74.98 | 75.03 | 75.04 | 74.93 | 74.78 | 74.84 |
| 2 | / | 74.45 | 74.47 | 74.70 | 75.07 | 75.10 | 74.96 | 75.03 | 75.01 | 74.91 | 74.75 | 74.84 |
| 3 | / | 74.44 | 74.47 | 74.71 | 75.08 | 75.09 | 74.94 | 75.04 | 75.00 | 74.92 | 74.78 | 74.86 |
| 4 | / | 74.45 | 74.47 | 74.72 | 75.10 | 75.10 | 74.95 | 75.05 | 75.02 | 74.91 | 74.79 | 74.85 |
| 5 | / | 74.45 | 74.46 | 74.72 | 75.10 | 75.09 | 74.96 | 75.05 | 75.00 | 74.89 | 74.80 | 74.87 |
| 6 | / | 74.44 | 74.47 | 74.72 | 75.10 | 75.09 | 74.96 | 75.04 | 74.99 | 74.86 | 74.82 | 74.84 |
| 7 | / | 74.43 | 74.48 | 74.72 | 75.11 | 75.08 | 74.96 | 75.04 | 74.98 | 74.86 | 74.82 | 74.85 |
| 8 | / | 74.43 | 74.49 | 74.73 | 75.11 | 75.09 | 74.96 | 75.04 | 74.98 | 74.86 | 74.80 | 74.85 |
| 9 | 74.39* | 74.44 | 74.50 | 74.73 | 75.12 | 75.09 | 74.98 | 75.04 | 75.00 | 74.86 | 74.79 | 74.84 |
| 10 | 74.42 | 74.41 | 74.50 | 74.73 | 75.12 | 75.09 | 74.98 | 75.04 | 75.00 | 74.85 | 74.78 | 74.83 |
| 11 | 74.42 | 74.42 | 74.58 | 74.77 | 75.13 | 75.09 | 74.97 | 75.09 | 75.01 | 74.86 | 74.79 | 74.90 |
| 12 | 74.40 | 74.41 | 74.58 | 74.79 | 75.13 | 75.08 | 74.97 | 75.07 | 75.00 | 74.87 | 74.78 | 74.88 |
| 13 | 74.40 | 74.39 | 74.58 | 74.80 | 75.12 | 75.08 | 74.99 | 75.06 | 74.98 | 74.87 | 74.81 | 74.86 |
| 14 | 74.44 | 74.40 | 74.58 | 74.81 | 75.13 | 75.08 | 74.99 | 75.04 | 74.96 | 74.85 | 74.80 | 74.86 |
| 15 | 74.46 | 74.41 | 74.59 | 74.81 | 75.13 | 75.07 | 74.98 | 75.03 | 74.96 | 74.85 | 74.81 | 74.86 |
| 16 | 74.46 | 74.43 | 74.57 | 74.85 | 75.12 | 75.05 | 74.99 | 75.03 | 74.95 | 74.83 | 74.80 | 74.85 |
| 17 | 74.44 | 74.43 | 74.57 | 74.88 | 75.11 | 75.02 | 74.99 | 75.02 | 74.96 | 74.86 | 74.82 | 74.86 |
| 18 | 74.46 | 74.43 | 74.58 | 74.88 | 75.12 | 75.02 | 75.02 | 75.02 | 74.96 | 74.86 | 74.82 | 74.87 |
| 19 | 74.45 | 74.44 | 74.57 | 74.89 | 75.12 | 75.02 | 75.02 | 75.02 | 74.99 | 74.86 | 74.81 | 74.85 |
| 20 | 74.45 | 74.46 | 74.57 | 74.90 | 75.12 | 75.03 | 75.03 | 75.03 | 74.97 | 74.84 | 74.80 | 74.87 |
| 21 | 74.46 | 74.47 | 74.57 | 74.91 | 75.11 | 75.03 | 75.05 | 75.02 | 74.95 | 74.84 | 74.79 | 74.88 |
| 22 | 74.44 | 74.46 | 74.58 | 74.92 | 75.11 | 75.03 | 75.04 | 75.01 | 74.97 | 74.83 | 74.81 | 74.86 |
| 23 | 74.43 | 74.47 | 74.57 | 74.95 | 75.10 | 75.01 | 75.03 | 75.00 | 74.99 | 74.82 | 74.81 | 74.86 |
| 24 | 74.47 | 74.46 | 74.57 | 74.96 | 75.10 | 75.01 | 75.02 | 74.99 | 74.96 | 74.84 | 74.82 | 74.88 |
| 25 | 74.48 | 74.46 | 74.58 | 74.98 | 75.10 | 75.00 | 75.02 | 74.98 | 74.93 | 74.83 | 74.84 | 74.83 |
| 26 | 74.46 | 74.47 | 74.58 | 74.99 | 75.10 | 75.00 | 75.01 | 74.97 | 74.92 | 74.82 | 74.84 | 74.86 |
| 27 | 74.46 | 74.47 | 74.63 | 75.00 | 75.10 | 75.00 | 75.03 | 74.98 | 74.91 | 74.82 | 74.84 | 74.84 |
| 28 | 74.46 | 74.48 | 74.66 | 75.01 | 75.10 | 74.99 | 75.04 | 74.99 | 74.93 | 74.81 | 74.85 | 74.84 |
| 29 | 74.45 | 74.50 | 74.66 | 75.02 | 75.10 | 74.98 | 75.04 | 75.02 | 74.95 | 74.81 | 74.85 | 74.85 |
| 30 | 74.44 | | 74.66 | 75.03 | 75.09 | 74.99 | 75.04 | 75.03 | 74.95 | 74.80 | 74.85 | 74.86 |
| 31 | 74.46 | | 74.67 | | 75.10 | | 75.02 | 75.05 | | 74.78 | | 74.87 |
| Mean | 74.44 | 74.44 | 74.56 | 74.84 | 75.11 | 75.05 | 75.00 | 75.03 | 74.97 | 74.85 | 74.81 | 74.86 |
| Max.
Hr.
Day | 74.52
0200
25 | 74.58
2000
28 | 74.70
1800
31 | 75.05
2300
30 | 75.29
2200
2 | 75.12
0800
8 | 75.08
1100
29 | 75.22
0200
11 | 75.07
2300
18 | 74.95
0500
1 | 74.94
2400
12 | 74.97
2000
11 |
| Min.
Hr.
Day | 74.34
1100
9 | 74.35
2100
14 | 74.43
1500
5 | 74.64
0400
1 | 74.86
1900
1 | 74.94
1700
18 | 74.90
0500
3 | 74.92
1400
30 | 74.87
1900
18 | 74.74
2000
31 | 74.72
0800
2 | 74.76
0500
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 74.83

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 905-2076 Olcott, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 75.11 May
Daily mean elevation: 75.14 16 May
Instant/hourly elevation: 75.20 0100/11 Aug

LOWEST

Monthly mean elevation: 74.44 Feb
Daily mean elevation: 74.38 6 Jan
Instant/hourly elevation: 74.30 2000/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Max | 74.48 | 74.49 | 74.67 | 75.04 | 75.14 | 75.12 | 75.05 | 75.07 | 75.01 | 74.92 | 74.86 | 74.91 |
| Day | 27 | 24 | 31 | 30 | 16 | 5 | 21 | 11 | 9 | 3 | 28 | 11 |
| Min | 74.38 | 74.40 | 74.48 | 74.68 | 75.05 | 74.98 | 74.96 | 74.98 | 74.93 | 74.79 | 74.75 | 74.81 |
| Day | 6 | 11 | 5 | 1 | 1 | 30 | 9 | 28 | 27 | 31 | 13 | 6 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 75.10 | | | | | 20 | 4 | | | | | | | 75.10 | 24 |
| 75.05 | | | | | 10 | 10 | | 2 | | | | | 75.05 | 46 |
| 75.00 | | | | 3 | 1 | 9 | 14 | 22 | 5 | | | | 75.00 | 100 |
| 74.95 | | | | 4 | | 7 | 17 | 7 | 19 | | | | 74.95 | 154 |
| 74.90 | | | | 5 | | | | | 6 | 4 | | 1 | 74.90 | 170 |
| 74.85 | | | | 3 | | | | | | 10 | 1 | 19 | 74.85 | 203 |
| 74.80 | | | | 3 | | | | | | 16 | 23 | 11 | 74.80 | 256 |
| 74.75 | | | | 3 | | | | | | 1 | 5 | | 74.75 | 265 |
| 74.70 | | | | 5 | | | | | | | 1 | | 74.70 | 271 |
| 74.65 | | | 2 | 4 | | | | | | | | | 74.65 | 277 |
| 74.60 | | | 2 | | | | | | | | | | 74.60 | 279 |
| 74.55 | | | 14 | | | | | | | | | | 74.55 | 293 |
| 74.50 | | | 6 | | | | | | | | | | 74.50 | 299 |
| 74.45 | 9 | 11 | 7 | | | | | | | | | | 74.45 | 326 |
| 74.40 | 17 | 17 | | | | | | | | | | | 74.40 | 360 |
| 74.35 | 5 | 1 | | | | | | | | | | | 74.35 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 905-2076 Olcott, New York on Lake Ontario

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1 | 74.40 | 74.46 | 74.48 | 74.68 | 75.05 | 75.10 | 74.97 | 75.00 | 75.01 | 74.92 | 74.80 | 74.86 |
| 2 | 74.41 | 74.45 | 74.50 | 74.69 | 75.06 | 75.10 | 74.96 | 75.03 | 75.00 | 74.91 | 74.82 | 74.86 |
| 3 | 74.42 | 74.45 | 74.48 | 74.70 | 75.08 | 75.11 | 74.97 | 75.04 | 75.00 | 74.92 | 74.82 | 74.84 |
| 4 | 74.42 | 74.45 | 74.48 | 74.71 | 75.10 | 75.11 | 74.96 | 75.03 | 75.00 | 74.91 | 74.80 | 74.86 |
| 5 | 74.40 | 74.43 | 74.48 | 74.70 | 75.10 | 75.12 | 74.97 | 75.04 | 75.01 | 74.88 | 74.81 | 74.86 |
| 6 | 74.38 | 74.46 | 74.52 | 74.72 | 75.10 | 75.10 | 74.96 | 75.04 | 75.01 | 74.87 | 74.82 | 74.81 |
| 7 | 74.39 | 74.44 | 74.50 | 74.73 | 75.12 | 75.10 | 74.96 | 75.05 | 75.01 | 74.87 | 74.82 | 74.82 |
| 8 | 74.43 | 74.42 | 74.50 | 74.73 | 75.12 | 75.10 | 74.98 | 75.04 | 75.00 | 74.86 | 74.81 | 74.85 |
| 9 | 74.40 | 74.42 | 74.52 | 74.75 | 75.12 | 75.10 | 74.96 | 75.05 | 75.01 | 74.87 | 74.81 | 74.86 |
| 10 | 74.41 | 74.42 | 74.53 | 74.76 | 75.12 | 75.11 | 74.98 | 75.04 | 75.00 | 74.88 | 74.81 | 74.88 |
| 11 | 74.42 | 74.40 | 74.53 | 74.78 | 75.14 | 75.08 | 74.97 | 75.07 | 75.00 | 74.87 | 74.80 | 74.91 |
| 12 | 74.43 | 74.42 | 74.54 | 74.77 | 75.14 | 75.08 | 74.97 | 75.06 | 74.99 | 74.86 | 74.82 | 74.89 |
| 13 | 74.42 | 74.41 | 74.56 | 74.81 | 75.12 | 75.07 | 74.98 | 75.05 | 74.99 | 74.85 | 74.75 | 74.87 |
| 14 | 74.42 | 74.41 | 74.57 | 74.81 | 75.13 | 75.07 | 74.97 | 75.03 | 74.98 | 74.86 | 74.80 | 74.88 |
| 15 | 74.45 | 74.44 | 74.57 | 74.83 | 75.14 | 75.05 | 74.98 | 75.03 | 74.98 | 74.86 | 74.82 | 74.88 |
| 16 | 74.44 | 74.42 | 74.56 | 74.87 | 75.14 | 75.04 | 74.99 | 75.04 | 74.98 | 74.82 | 74.80 | 74.87 |
| 17 | 74.42 | 74.43 | 74.55 | 74.87 | 75.13 | 75.04 | 74.99 | 75.03 | 74.97 | 74.84 | 74.82 | 74.87 |
| 18 | 74.43 | 74.46 | 74.58 | 74.90 | 75.13 | 75.04 | 75.02 | 75.05 | 74.98 | 74.85 | 74.82 | 74.87 |
| 19 | 74.43 | 74.44 | 74.58 | 74.92 | 75.13 | 75.04 | 75.04 | 75.03 | 74.98 | 74.83 | 74.83 | 74.87 |
| 20 | 74.46 | 74.46 | 74.56 | 74.93 | 75.12 | 75.03 | 75.04 | 75.02 | 74.97 | 74.84 | 74.83 | 74.84 |
| 21 | 74.45 | 74.45 | 74.58 | 74.94 | 75.12 | 75.02 | 75.05 | 75.01 | 74.96 | 74.84 | 74.82 | 74.88 |
| 22 | 74.48 | 74.47 | 74.60 | 74.94 | 75.12 | 75.02 | 75.04 | 75.01 | 74.96 | 74.83 | 74.81 | 74.86 |
| 23 | 74.46 | 74.48 | 74.57 | 74.95 | 75.12 | 75.01 | 75.03 | 75.00 | 74.97 | 74.82 | 74.83 | 74.85 |
| 24 | 74.43 | 74.49 | 74.58 | 74.97 | 75.12 | 75.00 | 75.03 | 74.99 | 74.96 | 74.83 | 74.84 | 74.86 |
| 25 | 74.48 | 74.47 | 74.59 | 74.98 | 75.10 | 75.00 | 75.02 | 74.98 | 74.95 | 74.82 | 74.85 | 74.83 |
| 26 | 74.47 | 74.46 | 74.60 | 74.99 | 75.10 | 75.00 | 75.02 | 74.98 | 74.94 | 74.82 | 74.85 | 74.83 |
| 27 | 74.48 | 74.45 | 74.60 | 75.00 | 75.10 | 74.99 | 75.02 | 74.99 | 74.93 | 74.82 | 74.84 | 74.87 |
| 28 | 74.47 | 74.48 | 74.63 | 75.01 | 75.10 | 74.99 | 75.04 | 74.98 | 74.95 | 74.82 | 74.86 | 74.85 |
| 29 | 74.46 | 74.47 | 74.64 | 75.03 | 75.11 | 74.99 | 75.04 | 75.01 | 74.94 | 74.81 | 74.84 | 74.86 |
| 30 | 74.45 | | 74.66 | 75.04 | 75.11 | 74.98 | 75.02 | 75.03 | 74.94 | 74.81 | 74.85 | 74.85 |
| 31 | 74.46 | | 74.67 | | 75.10 | | 75.02 | 75.02 | | 74.79 | | 74.85 |
| Mean | 74.44 | 74.44 | 74.56 | 74.85 | 75.11 | 75.05 | 75.00 | 75.02 | 74.98 | 74.85 | 74.82 | 74.86 |
| Max.
Hr.
Day | 74.51
1000
27 | 74.56
2200
28 | 74.69
1600
31 | 75.06
2300
30 | 75.18
0800
9 | 75.14
1100
5 | 75.08
0400
21 | 75.20
0100
11 | 75.05
1100
5 | 74.95
1200
1 | 74.92
0300
3 | 74.94
0200
11 |
| Min.
Hr.
Day | 74.30
2000
14 | 74.37
0900
11 | 74.42
0500
1 | 74.66
0200
1 | 74.94
2200
2 | 74.95
2000
30 | 74.89
0400
14 | 74.94
2000
10 | 74.88
1400
27 | 74.73
1800
16 | 74.55
0100
13 | 74.74
2200
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 74.83

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 906-3007 Ashland Avenue, Niagara Falls, New York on Niagara River

HIGHEST

Monthly mean elevation: 98.33 Sep
Daily mean elevation: 100.44 13 Nov
Instant/hourly elevation: 103.64 0500/13 Nov

LOWEST

Monthly mean elevation: 96.49 Feb
Daily mean elevation: 95.97 1 Nov
Instant/hourly elevation: 95.69 1100/7 Feb

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov    | Dec   |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Max | 98.90 | 97.27 | 98.27 | 98.45 | 98.48 | 98.25 | 98.43 | 98.88 | 98.75 | 98.73 | 100.44 | 99.55 |
| Day | 24    | 9     | 12    | 27    | 2     | 5     | 20    | 31    | 28    | 16    | 13     | 25    |
| Min | 96.03 | 95.98 | 96.23 | 98.15 | 98.08 | 98.09 | 98.10 | 98.17 | 97.99 | 97.85 | 95.97  | 96.69 |
| Day | 8     | 6     | 6     | 11    | 5     | 16    | 2     | 14    | 26    | 7     | 1      | 11    |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 100.40 | | | | | | | | | | | 1 | | 100.40 | 1 |
| 100.20 | | | | | | | | | | | | | 100.20 | 1 |
| 100.00 | | | | | | | | | | | | | 100.00 | 1 |
| 99.80 | | | | | | | | | | | | | 99.80 | 1 |
| 99.60 | | | | | | | | | | | | | 99.60 | 1 |
| 99.40 | | | | | | | | | | | | | 99.40 | 2 |
| 99.20 | | | | | | | | | | | | 1 | 99.20 | 2 |
| 99.00 | | | | | | | | | | | | | 99.00 | 2 |
| 98.80 | 1 | | | | | | | 1 | 2 | 3 | | 2 | 98.80 | 4 |
| 98.60 | | | | | | | | 2 | 5 | 1 | 1 | 2 | 98.60 | 13 |
| 98.40 | | | | 2 | 2 | | 1 | 4 | 5 | 5 | 1 | 1 | 98.40 | 30 |
| 98.20 | 1 | | 1 | 23 | 17 | 5 | 14 | 19 | 17 | 5 | 4 | 4 | 98.20 | 136 |
| 98.00 | 1 | | | 5 | 12 | 25 | 16 | 5 | 5 | 4 | 5 | 5 | 98.00 | 219 |
| 97.80 | | | 2 | | | | | | 1 | 18 | 3 | 2 | 97.80 | 245 |
| 97.60 | 1 | | 1 | | | | | | | | 6 | 4 | 97.60 | 257 |
| 97.40 | 1 | | 2 | | | | | | | | 2 | 4 | 97.40 | 266 |
| 97.20 | | 1 | 1 | | | | | | | | 4 | 3 | 97.20 | 275 |
| 97.00 | | 2 | 7 | | | | | | | | 3 | 2 | 97.00 | 289 |
| 96.80 | 4 | 1 | 6 | | | | | | | | 2 | 2 | 96.80 | 304 |
| 96.60 | 2 | 5 | 4 | | | | | | | | | 1 | 96.60 | 316 |
| 96.40 | 4 | 7 | 5 | | | | | | | | 2 | | 96.40 | 334 |
| 96.20 | 6 | 8 | 2 | | | | | | | | | | 96.20 | 350 |
| 96.00 | 10 | 4 | | | | | | | | | | | 96.00 | 364 |
| 95.80 | | 1 | | | | | | | | | 1 | | 95.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 906-3007 Ashland Avenue, Niagara Falls, New York on Niagara River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 96.11 | 96.41 | 97.92 | 98.34 | 98.21 | 98.18 | 98.14 | 98.25 | 98.44 | 98.22 | 95.97 | 98.06 |
| 2 | 96.09 | 96.69 | 96.48 | 98.35 | 98.48 | 98.18 | 98.10 | 98.34 | 98.29 | 98.61 | 96.46 | 97.93 |
| 3 | 96.08 | 96.28 | 96.47 | 98.33 | 98.44 | 98.20 | 98.14 | 98.34 | 98.38 | 98.49 | 97.74 | 98.19 |
| 4 | 96.15 | 96.33 | 96.63 | 98.31 | 98.30 | 98.25 | 98.22 | 98.35 | 98.34 | 97.87 | 97.95 | 98.01 |
| 5 | 96.19 | 96.22 | 96.48 | 98.25 | 98.08 | 98.25 | 98.26 | 98.40 | 98.25 | 97.85 | 97.76 | 98.70 |
| 6 | 96.29 | 95.98 | 96.23 | 98.25 | 98.23 | 98.22 | 98.25 | 98.41 | 98.33 | 97.91 | 97.90 | 98.67 |
| 7 | 96.25 | 96.17 | 96.52 | 98.18 | 98.26 | 98.18 | 98.17 | 98.42 | 98.27 | 97.85 | 97.13 | 98.34 |
| 8 | 96.03 | 97.14 | 96.82 | 98.21 | 98.15 | 98.22 | 98.17 | 98.23 | 98.36 | 97.91 | 96.53 | 97.52 |
| 9 | 96.47 | 97.27 | 96.96 | 98.19 | 98.20 | 98.21 | 98.19 | 98.29 | 98.24 | 98.32 | 96.89 | 97.44 |
| 10 | 96.17 | 96.64 | 96.77 | 98.19 | 98.25 | 98.18 | 98.19 | 98.50 | 98.63 | 98.34 | 97.34 | 97.42 |
| 11 | 96.24 | 96.38 | 97.82 | 98.15 | 98.22 | 98.16 | 98.18 | 98.45 | 98.56 | 98.20 | 97.70 | 96.69 |
| 12 | 96.13 | 96.34 | 98.27 | 98.21 | 98.24 | 98.12 | 98.22 | 98.26 | 98.30 | 98.27 | 97.42 | 96.93 |
| 13 | 96.20 | 96.65 | 97.63 | 98.20 | 98.23 | 98.12 | 98.31 | 98.27 | 98.30 | 98.36 | 100.44 | 96.97 |
| 14 | 96.75 | 96.33 | 96.99 | 98.23 | 98.20 | 98.10 | 98.23 | 98.17 | 98.40 | 98.00 | 98.01 | 97.18 |
| 15 | 96.57 | 96.04 | 97.45 | 98.26 | 98.15 | 98.09 | 98.26 | 98.20 | 98.39 | 97.89 | 97.95 | 97.39 |
| 16 | 96.89 | 96.92 | 97.41 | 98.22 | 98.19 | 98.09 | 98.25 | 98.22 | 98.17 | 98.73 | 97.73 | 97.69 |
| 17 | 97.52 | 96.39 | 97.14 | 98.34 | 98.24 | 98.10 | 98.32 | 98.24 | 98.35 | 98.70 | 97.67 | 97.94 |
| 18 | 98.19 | 96.19 | 96.76 | 98.30 | 98.20 | 98.15 | 98.34 | 98.21 | 98.40 | 98.17 | 97.19 | 97.69 |
| 19 | 96.61 | 96.56 | 96.54 | 98.24 | 98.25 | 98.15 | 98.33 | 98.34 | 98.30 | 97.99 | 97.25 | 97.64 |
| 20 | 96.07 | 96.55 | 97.02 | 98.26 | 98.23 | 98.15 | 98.43 | 98.23 | 98.02 | 97.99 | 97.10 | 98.33 |
| 21 | 96.88 | 96.75 | 96.71 | 98.24 | 98.23 | 98.19 | 98.33 | 98.24 | 98.21 | 98.19 | 97.39 | 97.70 |
| 22 | 96.25 | 96.50 | 96.35 | 98.29 | 98.21 | 98.18 | 98.17 | 98.21 | 98.58 | 97.97 | 96.84 | 98.31 |
| 23 | 96.46 | 96.23 | 97.02 | 98.36 | 98.20 | 98.18 | 98.12 | 98.19 | 98.26 | 97.96 | 97.50 | 98.26 |
| 24 | 98.90 | 96.09 | 97.16 | 98.42 | 98.17 | 98.16 | 98.13 | 98.20 | 98.17 | 98.04 | 98.03 | 98.07 |
| 25 | 98.37 | 96.48 | 96.97 | 98.32 | 98.27 | 98.18 | 98.18 | 98.22 | 98.04 | 97.96 | 97.67 | 99.55 |
| 26 | 97.75 | 96.44 | 96.87 | 98.31 | 98.29 | 98.14 | 98.18 | 98.20 | 97.99 | 97.98 | 98.08 | 98.53 |
| 27 | 96.99 | 96.68 | 97.03 | 98.45 | 98.24 | 98.15 | 98.30 | 98.22 | 98.42 | 97.93 | 98.01 | 97.17 |
| 28 | 96.94 | 96.56 | 97.38 | 98.28 | 98.24 | 98.15 | 98.18 | 98.29 | 98.75 | 97.91 | 97.21 | 97.30 |
| 29 | 96.24 | 97.10 | 97.11 | 98.24 | 98.17 | 98.13 | 98.21 | 98.74 | 98.58 | 97.90 | 98.09 | 97.45 |
| 30 | 96.30 | | 97.07 | 98.22 | 98.18 | 98.14 | 98.16 | 98.68 | 98.12 | 97.90 | 98.55 | 97.36 |
| 31 | 96.46 | | 96.99 | | 98.17 | | 98.12 | 98.88 | | 97.89 | | 98.13 |
| Mean | 96.66 | 96.49 | 97.00 | 98.27 | 98.23 | 98.16 | 98.22 | 98.33 | 98.33 | 98.11 | 97.58 | 97.82 |
| Max.
Hr.
Day | 100.25
2400
24 | 98.17
2100
8 | 98.72
1500
12 | 99.78
1000
27 | 100.02
1300
7 | 99.67
1000
4 | 99.70
1900
19 | 100.05
0800
31 | 100.08
1900
21 | 100.19
2200
16 | 103.64
0500
13 | 102.15
1900
25 |
| Min.
Hr.
Day | 95.78
0400
29 | 95.69
1100
7 | 95.91
0800
6 | 95.96
0200
11 | 95.93
2400
29 | 95.92
0100
20 | 95.91
0100
23 | 95.93
2400
14 | 96.08
2400
2 | 95.92
2400
29 | 95.91
2300
22 | 96.36
0800
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 97.77

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3009 American Falls, Niagara Falls, New York on Niagara River

HIGHEST

Monthly mean elevation: 170.58 Nov
Daily mean elevation: 170.73 13 Nov
Instant/hourly elevation: 170.81 2100/4 Nov

LOWEST

Monthly mean elevation: 170.26 Feb
Daily mean elevation: 170.02 31 Jan
Instant/hourly elevation: 169.98 1800/31 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 170.63 | 170.42 | 170.53 | 170.50 | 170.48 | 170.52 | 170.65 | 170.70 | 170.64 | 170.59 | 170.73 | 170.70 |
| Day | 18 | 21 | 28 | 27 | 3 | 21 | 20 | 29 | 27 | 17 | 13 | 26 |
| Min | 170.02 | 170.03 | 170.19 | 170.35 | 170.32 | 170.35 | 170.43 | 170.42 | 170.44 | 170.42 | 170.36 | 170.42 |
| Day | 31 | 1 | 13 | 7 | 15 | 15 | 23 | 14 | 3 | 31 | 1 | 11 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 170.70 | | | | | | | | | | | 2 | | 170.70 | 2 |
| 170.65 | | | | | | | | 1 | | | 7 | 1 | 170.65 | 11 |
| 170.60 | 1 | | | | | | 1 | 2 | 1 | | 1 | 1 | 170.60 | 18 |
| 170.55 | 1 | | | | | | 2 | | 4 | 3 | 10 | 3 | 170.55 | 41 |
| 170.50 | | | 1 | | | 1 | 11 | 3 | 5 | 4 | 5 | 21 | 170.50 | 92 |
| 170.45 | 3 | | 4 | 6 | 2 | 9 | 11 | 20 | 18 | 10 | 1 | 4 | 170.45 | 180 |
| 170.40 | 8 | 2 | 8 | 15 | 12 | 13 | 6 | 5 | 2 | 14 | 3 | 1 | 170.40 | 269 |
| 170.35 | 6 | 11 | 7 | 8 | 13 | 5 | | | | | 1 | | 170.35 | 320 |
| 170.30 | | | 5 | 1 | 4 | 2 | | | | | | | 170.30 | 332 |
| 170.25 | 3 | 2 | 2 | | | | | | | | | | 170.25 | 339 |
| 170.20 | 1 | 5 | 1 | | | | | | | | | | 170.20 | 346 |
| 170.15 | 6 | 1 | 3 | | | | | | | | | | 170.15 | 356 |
| 170.10 | 1 | 4 | | | | | | | | | | | 170.10 | 361 |
| 170.05 | | 3 | | | | | | | | | | | 170.05 | 364 |
| 170.00 | 1 | 1 | | | | | | | | | | | 170.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 906-3009 American Falls, Niagara Falls, New York on Niagara River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 170.40 | 170.03 | 170.36 | 170.43 | 170.39 | 170.35 | 170.44 | 170.52 | 170.49 | 170.47 | 170.36 | 170.62 |
| 2 | 170.40 | 170.08 | 170.28 | 170.46 | 170.42 | 170.38 | 170.43 | 170.52 | 170.47 | 170.59 | 170.42 | 170.52 |
| 3 | 170.39 | 170.08 | 170.34 | 170.45 | 170.48 | 170.42 | 170.45 | 170.48 | 170.44 | 170.55 | 170.69 | 170.52 |
| 4 | 170.41 | 170.13 | 170.38 | 170.41 | 170.44 | 170.43 | 170.50 | 170.51 | 170.48 | 170.42 | 170.68 | 170.52 |
| 5 | 170.42 | 170.13 | 170.40 | 170.42 | 170.39 | 170.42 | 170.53 | 170.48 | 170.47 | 170.44 | 170.69 | 170.52 |
| 6 | 170.43 | 170.15 | 170.37 | 170.39 | 170.32 | 170.43 | 170.49 | 170.45 | 170.49 | 170.46 | 170.72 | 170.52 |
| 7 | 170.42 | 170.17 | 170.43 | 170.35 | 170.32 | 170.41 | 170.51 | 170.47 | 170.48 | 170.44 | 170.54 | 170.52 |
| 8 | 170.39 | 170.24 | 170.47 | 170.38 | 170.34 | 170.41 | 170.48 | 170.47 | 170.49 | 170.47 | 170.43 | 170.52 |
| 9 | 170.44 | 170.29 | 170.47 | 170.36 | 170.39 | 170.43 | 170.51 | 170.46 | 170.46 | 170.52 | 170.49 | 170.52 |
| 10 | 170.38 | 170.22 | 170.32 | 170.38 | 170.43 | 170.44 | 170.50 | 170.48 | 170.55 | 170.49 | 170.59 | 170.52 |
| 11 | 170.41 | 170.15 | 170.24 | 170.37 | 170.36 | 170.40 | 170.50 | 170.46 | 170.56 | 170.46 | 170.66 | 170.42 |
| 12 | 170.41 | 170.09 | 170.31 | 170.40 | 170.43 | 170.40 | 170.52 | 170.45 | 170.49 | 170.54 | 170.59 | 170.47 |
| 13 | 170.41 | 170.21 | 170.19 | 170.41 | 170.41 | 170.42 | 170.56 | 170.43 | 170.48 | 170.54 | 170.73 | 170.47 |
| 14 | 170.48 | 170.24 | 170.20 | 170.41 | 170.40 | 170.39 | 170.52 | 170.42 | 170.49 | 170.46 | 170.69 | 170.49 |
| 15 | 170.40 | 170.27 | 170.20 | 170.43 | 170.32 | 170.35 | 170.55 | 170.46 | 170.48 | 170.44 | 170.70 | 170.51 |
| 16 | 170.48 | 170.37 | 170.28 | 170.44 | 170.40 | 170.38 | 170.52 | 170.50 | 170.49 | 170.56 | 170.66 | 170.52 |
| 17 | 170.58 | 170.36 | 170.32 | 170.49 | 170.41 | 170.44 | 170.57 | 170.46 | 170.54 | 170.59 | 170.64 | 170.52 |
| 18 | 170.63 | 170.37 | 170.37 | 170.47 | 170.38 | 170.48 | 170.54 | 170.45 | 170.54 | 170.44 | 170.54 | 170.53 |
| 19 | 170.27 | 170.40 | 170.38 | 170.44 | 170.41 | 170.48 | 170.51 | 170.49 | 170.56 | 170.43 | 170.54 | 170.56 |
| 20 | 170.20 | 170.38 | 170.40 | 170.44 | 170.40 | 170.49 | 170.65 | 170.46 | 170.48 | 170.44 | 170.51 | 170.56 |
| 21 | 170.26 | 170.42 | 170.41 | 170.42 | 170.42 | 170.52 | 170.50 | 170.47 | 170.55 | 170.49 | 170.57 | 170.54 |
| 22 | 170.15 | 170.41 | 170.35 | 170.44 | 170.40 | 170.50 | 170.46 | 170.47 | 170.56 | 170.46 | 170.45 | 170.54 |
| 23 | 170.26 | 170.39 | 170.42 | 170.44 | 170.40 | 170.47 | 170.43 | 170.47 | 170.51 | 170.45 | 170.57 | 170.52 |
| 24 | 170.47 | 170.36 | 170.46 | 170.49 | 170.39 | 170.47 | 170.48 | 170.47 | 170.46 | 170.48 | 170.57 | 170.53 |
| 25 | 170.18 | 170.37 | 170.45 | 170.46 | 170.47 | 170.46 | 170.52 | 170.48 | 170.46 | 170.45 | 170.56 | 170.56 |
| 26 | 170.18 | 170.36 | 170.44 | 170.44 | 170.43 | 170.47 | 170.52 | 170.50 | 170.46 | 170.46 | 170.56 | 170.70 |
| 27 | 170.16 | 170.39 | 170.45 | 170.50 | 170.42 | 170.48 | 170.50 | 170.48 | 170.64 | 170.42 | 170.57 | 170.50 |
| 28 | 170.16 | 170.36 | 170.53 | 170.42 | 170.43 | 170.45 | 170.49 | 170.50 | 170.56 | 170.44 | 170.55 | 170.53 |
| 29 | 170.22 | 170.24 | 170.47 | 170.40 | 170.39 | 170.44 | 170.49 | 170.70 | 170.49 | 170.44 | 170.56 | 170.53 |
| 30 | 170.16 | | 170.44 | 170.39 | 170.41 | 170.44 | 170.44 | 170.63 | 170.45 | 170.44 | 170.56 | 170.52 |
| 31 | 170.02 | | 170.44 | | 170.40 | | 170.44 | 170.65 | | 170.42 | | 170.55 |
| Mean | 170.34 | 170.26 | 170.37 | 170.42 | 170.40 | 170.44 | 170.50 | 170.49 | 170.50 | 170.47 | 170.58 | 170.53 |
| Max. | 170.73 | 170.49 | 170.58 | 170.71 | 170.64 | 170.70 | 170.80 | 170.81 | 170.78 | 170.80 | 170.81 | 170.75 |
| Hr. | 1500 | 0800 | 2200 | 0700 | 0700 | 0700 | 0700 | 0800 | 1500 | 0700 | 2100 | 0700 |
| Day | 18 | 21 | 10 | 27 | 10 | 21 | 20 | 29 | 27 | 17 | 4 | 26 |
| Min. | 169.98 | 169.99 | 170.03 | 170.05 | 170.04 | 170.04 | 170.11 | 170.08 | 170.12 | 170.10 | 170.27 | 170.36 |
| Hr. | 1800 | 1100 | 1300 | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 | 2000 | 2200 | 0800 |
| Day | 31 | 12 | 14 | 29 | 16 | 2 | 30 | 6 | 3 | 27 | 22 | 11 |

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

Annual Mean 170.44

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 906-3012 Niagara Intake, Niagara Falls, New York on Niagara River

HIGHEST

Monthly mean elevation: 171.42 Nov
Daily mean elevation: 171.72 13 Nov
Instant/hourly elevation: 171.85 0400/13 Nov

LOWEST

Monthly mean elevation: 171.19 Feb
Daily mean elevation: 171.00 11 Feb
Instant/hourly elevation: 170.86 2200/11 Feb

~~~~~ Extreme Daily Means by Month ~~~~~

|         | Jan          | Feb          | Mar          | Apr          | May          | Jun          | Jul          | Aug          | Sep          | Oct          | Nov          | Dec          |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Max Day | 171.56<br>18 | 171.43<br>2  | 171.71<br>12 | 171.37<br>27 | 171.35<br>3  | 171.37<br>21 | 171.53<br>20 | 171.59<br>29 | 171.53<br>27 | 171.46<br>17 | 171.72<br>13 | 171.61<br>26 |
| Min Day | 171.04<br>22 | 171.00<br>11 | 171.13<br>22 | 171.20<br>7  | 171.15<br>15 | 171.18<br>15 | 171.24<br>2  | 171.28<br>14 | 171.28<br>30 | 171.24<br>31 | 171.10<br>1  | 171.21<br>11 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 171.70 | | | 1 | | | | | | | | 1 | | 171.70 | 2 |
| 171.65 | | | | | | | | | | | | | 171.65 | 2 |
| 171.60 | | | | | | | | | | | | 1 | 171.60 | 3 |
| 171.55 | 1 | | 1 | | | | 1 | 1 | | | 3 | | 171.55 | 9 |
| 171.50 | 1 | | | | | | 1 | 1 | 1 | | 5 | 1 | 171.50 | 19 |
| 171.45 | 1 | | 1 | | | | | 1 | | 1 | 1 | 1 | 171.45 | 25 |
| 171.40 | 1 | 1 | 1 | | | | 2 | | 4 | 2 | 7 | 2 | 171.40 | 45 |
| 171.35 | 2 | | 1 | 1 | | 1 | 9 | 7 | 4 | 4 | 6 | 16 | 171.35 | 96 |
| 171.30 | 6 | 2 | 3 | 6 | 2 | 6 | 12 | 19 | 14 | 4 | 2 | 7 | 171.30 | 179 |
| 171.25 | 1 | 2 | 7 | 14 | 9 | 16 | 6 | 2 | 7 | 17 | 1 | 2 | 171.25 | 263 |
| 171.20 | 6 | 4 | 9 | 8 | 16 | 5 | 1 | | | 3 | 1 | 1 | 171.20 | 317 |
| 171.15 | 8 | 12 | 5 | 1 | 3 | 2 | | | | | 2 | | 171.15 | 350 |
| 171.10 | 1 | 5 | 2 | | 1 | | | | | | | | 171.10 | 359 |
| 171.05 | 1 | 1 | | | | | | | | | 1 | | 171.05 | 362 |
| 171.00 | 2 | 1 | | | | | | | | | | | 171.00 | 365 |
| 170.95 | | 1 | | | | | | | | | | | 170.95 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3012 Niagara Intake, Niagara Falls, New York on Niagara River

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 171.19 | 171.34 | 171.42 | 171.30 | 171.24 | 171.18 | 171.26 | 171.38 | 171.34 | 171.31 | 171.10 | 171.48 |
| 2 | 171.19 | 171.43 | 171.16 | 171.34 | 171.29 | 171.22 | 171.24 | 171.40 | 171.31 | 171.45 | 171.19 | 171.37 |
| 3 | 171.18 | 171.27 | 171.17 | 171.32 | 171.35 | 171.26 | 171.28 | 171.36 | 171.29 | 171.40 | 171.54 | 171.37 |
| 4 | 171.20 | 171.23 | 171.18 | 171.26 | 171.30 | 171.27 | 171.34 | 171.40 | 171.33 | 171.24 | 171.54 | 171.37 |
| 5 | 171.21 | 171.18 | 171.19 | 171.28 | 171.23 | 171.27 | 171.37 | 171.36 | 171.32 | 171.27 | 171.54 | 171.38 |
| 6 | 171.24 | 171.19 | 171.14 | 171.24 | 171.16 | 171.28 | 171.33 | 171.33 | 171.33 | 171.29 | 171.58 | 171.39 |
| 7 | 171.23 | 171.12 | 171.23 | 171.20 | 171.17 | 171.26 | 171.34 | 171.35 | 171.31 | 171.27 | 171.36 | 171.38 |
| 8 | 171.18 | 171.25 | 171.28 | 171.22 | 171.18 | 171.26 | 171.31 | 171.34 | 171.33 | 171.29 | 171.20 | 171.35 |
| 9 | 171.26 | 171.35 | 171.28 | 171.21 | 171.24 | 171.27 | 171.35 | 171.34 | 171.29 | 171.38 | 171.29 | 171.34 |
| 10 | 171.17 | 171.16 | 171.23 | 171.22 | 171.29 | 171.29 | 171.34 | 171.37 | 171.42 | 171.34 | 171.42 | 171.35 |
| 11 | 171.21 | 171.00 | 171.57 | 171.21 | 171.21 | 171.25 | 171.34 | 171.34 | 171.42 | 171.30 | 171.51 | 171.21 |
| 12 | 171.21 | 171.04 | 171.71 | 171.25 | 171.27 | 171.25 | 171.36 | 171.32 | 171.33 | 171.39 | 171.43 | 171.28 |
| 13 | 171.21 | 171.15 | 171.48 | 171.26 | 171.25 | 171.26 | 171.41 | 171.29 | 171.32 | 171.40 | 171.72 | 171.28 |
| 14 | 171.32 | 171.14 | 171.33 | 171.27 | 171.24 | 171.23 | 171.37 | 171.28 | 171.33 | 171.29 | 171.56 | 171.31 |
| 15 | 171.20 | 171.10 | 171.31 | 171.28 | 171.15 | 171.18 | 171.40 | 171.32 | 171.32 | 171.26 | 171.57 | 171.34 |
| 16 | 171.33 | 171.17 | 171.30 | 171.29 | 171.24 | 171.22 | 171.37 | 171.36 | 171.32 | 171.45 | 171.52 | 171.36 |
| 17 | 171.47 | 171.13 | 171.33 | 171.35 | 171.26 | 171.28 | 171.43 | 171.32 | 171.39 | 171.46 | 171.48 | 171.37 |
| 18 | 171.56 | 171.15 | 171.22 | 171.32 | 171.23 | 171.32 | 171.39 | 171.31 | 171.40 | 171.28 | 171.35 | 171.37 |
| 19 | 171.15 | 171.18 | 171.16 | 171.29 | 171.25 | 171.32 | 171.36 | 171.34 | 171.40 | 171.26 | 171.36 | 171.40 |
| 20 | 171.05 | 171.16 | 171.26 | 171.29 | 171.24 | 171.34 | 171.53 | 171.32 | 171.30 | 171.26 | 171.32 | 171.43 |
| 21 | 171.20 | 171.23 | 171.22 | 171.27 | 171.26 | 171.37 | 171.34 | 171.32 | 171.39 | 171.33 | 171.40 | 171.38 |
| 22 | 171.04 | 171.20 | 171.13 | 171.30 | 171.24 | 171.35 | 171.29 | 171.32 | 171.43 | 171.30 | 171.24 | 171.39 |
| 23 | 171.09 | 171.17 | 171.24 | 171.30 | 171.24 | 171.31 | 171.27 | 171.32 | 171.35 | 171.28 | 171.40 | 171.39 |
| 24 | 171.55 | 171.16 | 171.28 | 171.35 | 171.22 | 171.30 | 171.33 | 171.32 | 171.30 | 171.32 | 171.42 | 171.39 |
| 25 | 171.31 | 171.17 | 171.25 | 171.32 | 171.32 | 171.30 | 171.37 | 171.32 | 171.29 | 171.29 | 171.39 | 171.51 |
| 26 | 171.35 | 171.17 | 171.24 | 171.29 | 171.28 | 171.30 | 171.37 | 171.34 | 171.29 | 171.29 | 171.42 | 171.61 |
| 27 | 171.33 | 171.22 | 171.27 | 171.37 | 171.26 | 171.31 | 171.35 | 171.32 | 171.53 | 171.25 | 171.42 | 171.32 |
| 28 | 171.36 | 171.26 | 171.38 | 171.27 | 171.26 | 171.28 | 171.33 | 171.35 | 171.44 | 171.27 | 171.38 | 171.36 |
| 29 | 171.36 | 171.20 | 171.28 | 171.25 | 171.24 | 171.27 | 171.33 | 171.59 | 171.35 | 171.27 | 171.42 | 171.36 |
| 30 | 171.41 | | 171.25 | 171.24 | 171.25 | 171.26 | 171.28 | 171.50 | 171.28 | 171.27 | 171.43 | 171.35 |
| 31 | 171.35 | | 171.25 | | 171.25 | | 171.28 | 171.54 | | 171.24 | | 171.41 |
| Mean | 171.26 | 171.19 | 171.28 | 171.28 | 171.24 | 171.28 | 171.34 | 171.36 | 171.35 | 171.31 | 171.42 | 171.37 |
| Max.
Hr.
Day | 171.72
1500
18 | 171.55
1600
2 | 171.75
1400
12 | 171.62
0700
27 | 171.55
0700
10 | 171.58
0700
21 | 171.71
0700
20 | 171.79
0700
31 | 171.76
1400
27 | 171.75
2400
16 | 171.85
0400
13 | 171.76
2100
25 |
| Min.
Hr.
Day | 170.92
1100
20 | 170.86
2200
11 | 171.04
1800
22 | 170.88
2100
29 | 170.88
2100
16 | 170.88
2100
12 | 170.93
2100
2 | 170.94
2100
27 | 170.97
2100
13 | 170.94
1900
15 | 171.01
2200
22 | 171.13
1400
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 171.31

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3020 Buffalo Harbor, Buffalo, New York on Lake Erie

HIGHEST

Monthly mean elevation: 174.52 Aug
Daily mean elevation: 175.14 13 Nov
Instant/hourly elevation: 176.36 2400/12 Nov

LOWEST

Monthly mean elevation: 174.11 Feb
Daily mean elevation: 173.94 24 Feb
Instant/hourly elevation: 173.59 0600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.57 | 174.26 | 174.51 | 174.41 | 174.51 | 174.46 | 174.56 | 174.75 | 174.75 | 174.82 | 175.14 | 174.99 |
| Day | 24 | 27 | 12 | 30 | 2 | 19 | 29 | 30 | 27 | 16 | 13 | 25 |
| Min | 173.96 | 173.94 | 173.96 | 174.16 | 174.27 | 174.24 | 174.24 | 174.35 | 174.37 | 174.18 | 173.98 | 174.18 |
| Day | 22 | 24 | 2 | 15 | 24 | 15 | 2 | 15 | 24 | 31 | 1 | 11 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.10 | | | | | | | | | | | 1 | | 175.10 | 1 |
| 175.05 | | | | | | | | | | | | | 175.05 | 1 |
| 175.00 | | | | | | | | | | | | | 175.00 | 1 |
| 174.95 | | | | | | | | | | | | 1 | 174.95 | 2 |
| 174.90 | | | | | | | | | | | | | 174.90 | 2 |
| 174.85 | | | | | | | | | | | | | 174.85 | 2 |
| 174.80 | | | | | | | | | | 1 | | | 174.80 | 3 |
| 174.75 | | | | | | | | | | | | 1 | 174.75 | 4 |
| 174.70 | | | | | | | | 2 | 1 | | | 1 | 174.70 | 8 |
| 174.65 | | | | | | | | | 1 | | 3 | | 174.65 | 12 |
| 174.60 | | | | | | | | 2 | 2 | 2 | 1 | 5 | 174.60 | 24 |
| 174.55 | 1 | | | | | | 2 | 5 | 3 | 3 | 1 | 4 | 174.55 | 43 |
| 174.50 | 1 | | 1 | | 1 | | 5 | 6 | 4 | 1 | 3 | 2 | 174.50 | 67 |
| 174.45 | 1 | | | | | 1 | 5 | 9 | 13 | 3 | 4 | 3 | 174.45 | 106 |
| 174.40 | | | 1 | 3 | 6 | 9 | 9 | 5 | 5 | 3 | 4 | 3 | 174.40 | 154 |
| 174.35 | | | 1 | 5 | 17 | 16 | 8 | 1 | 1 | 8 | 5 | 7 | 174.35 | 223 |
| 174.30 | 2 | | 3 | 6 | 5 | 2 | | 1 | | 7 | 3 | 3 | 174.30 | 255 |
| 174.25 | | 1 | 6 | 6 | 2 | 1 | 1 | | | 2 | 2 | | 174.25 | 276 |
| 174.20 | 2 | 4 | 6 | 8 | | 1 | 1 | | | | 2 | | 174.20 | 300 |
| 174.15 | 4 | 4 | 4 | 2 | | | | | | 1 | | 1 | 174.15 | 316 |
| 174.10 | 7 | 4 | 1 | | | | | | | | | | 174.10 | 328 |
| 174.05 | 4 | 9 | 5 | | | | | | | | | | 174.05 | 346 |
| 174.00 | 6 | 6 | 1 | | | | | | | | | | 174.00 | 359 |
| 173.95 | 3 | | 2 | | | | | | | | 1 | | 173.95 | 365 |
| 173.90 | | 1 | | | | | | | | | | | 173.90 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3020 Buffalo Harbor, Buffalo, New York on Lake Erie

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 174.04 | 174.07 | 174.30 | 174.32 | 174.41 | 174.41 | 174.30 | 174.60 | 174.49 | 174.50 | 173.98 | 174.57 |
| 2 | 174.01 | 174.09 | 173.96 | 174.35 | 174.51 | 174.40 | 174.24 | 174.58 | 174.42 | 174.65 | 174.24 | 174.53 |
| 3 | 174.00 | 174.03 | 174.07 | 174.34 | 174.44 | 174.38 | 174.43 | 174.54 | 174.54 | 174.56 | 174.40 | 174.62 |
| 4 | 174.05 | 174.17 | 174.07 | 174.29 | 174.43 | 174.36 | 174.43 | 174.56 | 174.41 | 174.26 | 174.52 | 174.56 |
| 5 | 174.05 | 174.07 | 174.06 | 174.31 | 174.39 | 174.35 | 174.46 | 174.54 | 174.41 | 174.32 | 174.41 | 174.71 |
| 6 | 174.14 | 174.06 | 173.99 | 174.25 | 174.37 | 174.40 | 174.42 | 174.49 | 174.47 | 174.37 | 174.41 | 174.76 |
| 7 | 174.14 | 174.09 | 174.15 | 174.29 | 174.38 | 174.40 | 174.37 | 174.48 | 174.47 | 174.36 | 174.28 | 174.65 |
| 8 | 173.98 | 174.12 | 174.19 | 174.26 | 174.30 | 174.41 | 174.40 | 174.56 | 174.56 | 174.38 | 174.32 | 174.45 |
| 9 | 174.22 | 174.15 | 174.16 | 174.25 | 174.39 | 174.40 | 174.46 | 174.56 | 174.48 | 174.56 | 174.34 | 174.34 |
| 10 | 174.13 | 174.06 | 174.27 | 174.18 | 174.40 | 174.40 | 174.42 | 174.53 | 174.66 | 174.48 | 174.42 | 174.36 |
| 11 | 174.16 | 174.13 | 174.42 | 174.24 | 174.38 | 174.38 | 174.38 | 174.52 | 174.48 | 174.47 | 174.39 | 174.18 |
| 12 | 174.13 | 174.01 | 174.51 | 174.28 | 174.38 | 174.39 | 174.41 | 174.49 | 174.48 | 174.61 | 174.49 | 174.33 |
| 13 | 174.08 | 174.06 | 174.37 | 174.22 | 174.42 | 174.41 | 174.43 | 174.42 | 174.46 | 174.58 | 175.14 | 174.34 |
| 14 | 174.24 | 174.08 | 174.32 | 174.24 | 174.40 | 174.39 | 174.44 | 174.36 | 174.49 | 174.32 | 174.63 | 174.38 |
| 15 | 174.09 | 174.02 | 174.23 | 174.16 | 174.37 | 174.24 | 174.41 | 174.35 | 174.50 | 174.37 | 174.52 | 174.39 |
| 16 | 174.34 | 174.25 | 174.22 | 174.24 | 174.35 | 174.28 | 174.42 | 174.48 | 174.51 | 174.82 | 174.50 | 174.50 |
| 17 | 174.53 | 174.04 | 174.28 | 174.26 | 174.42 | 174.36 | 174.50 | 174.50 | 174.57 | 174.52 | 174.40 | 174.50 |
| 18 | 174.46 | 174.03 | 174.05 | 174.21 | 174.36 | 174.44 | 174.51 | 174.55 | 174.60 | 174.44 | 174.38 | 174.41 |
| 19 | 174.32 | 174.18 | 174.10 | 174.25 | 174.34 | 174.46 | 174.52 | 174.52 | 174.50 | 174.41 | 174.30 | 174.46 |
| 20 | 174.17 | 174.16 | 174.22 | 174.29 | 174.37 | 174.44 | 174.56 | 174.50 | 174.46 | 174.41 | 174.34 | 174.65 |
| 21 | 174.19 | 174.21 | 174.20 | 174.32 | 174.36 | 174.45 | 174.46 | 174.48 | 174.53 | 174.38 | 174.47 | 174.43 |
| 22 | 173.96 | 174.10 | 174.09 | 174.39 | 174.38 | 174.45 | 174.39 | 174.45 | 174.61 | 174.33 | 174.24 | 174.59 |
| 23 | 174.14 | 174.03 | 174.26 | 174.32 | 174.40 | 174.33 | 174.37 | 174.45 | 174.46 | 174.39 | 174.55 | 174.65 |
| 24 | 174.57 | 173.94 | 174.23 | 174.39 | 174.27 | 174.44 | 174.40 | 174.45 | 174.37 | 174.38 | 174.40 | 174.59 |
| 25 | 174.04 | 174.14 | 174.24 | 174.40 | 174.32 | 174.38 | 174.48 | 174.48 | 174.45 | 174.34 | 174.42 | 174.99 |
| 26 | 174.11 | 174.22 | 174.20 | 174.39 | 174.36 | 174.39 | 174.54 | 174.48 | 174.45 | 174.40 | 174.69 | 174.63 |
| 27 | 174.06 | 174.26 | 174.32 | 174.41 | 174.41 | 174.44 | 174.54 | 174.44 | 174.75 | 174.35 | 174.57 | 174.37 |
| 28 | 174.05 | 174.19 | 174.34 | 174.41 | 174.38 | 174.39 | 174.54 | 174.63 | 174.61 | 174.33 | 174.50 | 174.38 |
| 29 | 174.16 | 174.22 | 174.27 | 174.40 | 174.34 | 174.39 | 174.56 | 174.74 | 174.54 | 174.34 | 174.69 | 174.38 |
| 30 | 174.13 | | 174.24 | 174.41 | 174.34 | 174.36 | 174.37 | 174.75 | 174.48 | 174.27 | 174.70 | 174.37 |
| 31 | 174.09 | | 174.26 | | 174.40 | | 174.40 | 174.62 | | 174.18 | | 174.51 |
| Mean | 174.15 | 174.11 | 174.21 | 174.30 | 174.38 | 174.39 | 174.44 | 174.52 | 174.51 | 174.42 | 174.46 | 174.50 |
| Max.
Hr.
Day | 175.13
0200
24 | 174.59
0600
21 | 174.88
1700
10 | 174.65
0300
22 | 174.76
2000
2 | 174.68
0900
24 | 174.78
0200
13 | 175.03
2100
28 | 175.57
1200
27 | 175.52
1600
16 | 176.36
2400
12 | 175.77
1600
25 |
| Min.
Hr.
Day | 173.59
0600
14 | 173.78
0800
15 | 173.72
0700
2 | 173.90
0100
11 | 174.07
0900
24 | 174.12
2400
23 | 174.05
0200
31 | 174.30
1300
15 | 174.28
2300
8 | 174.11
0500
4 | 173.81
2300
1 | 174.02
1200
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.37

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 906-3028 Sturgeon Point, New York on Lake Erie

HIGHEST

Monthly mean elevation: 174.50 Aug
Daily mean elevation: 175.02 13 Nov
Instant/hourly elevation: 176.12 2400/12 Nov

LOWEST

Monthly mean elevation: 174.11 Feb
Daily mean elevation: 173.96 24 Feb
Instant/hourly elevation: 173.67 0600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.51 | 174.25 | 174.44 | 174.41 | 174.49 | 174.44 | 174.54 | 174.69 | 174.69 | 174.76 | 175.02 | 174.88 |
| Day | 24     | 27     | 12     | 27     | 2      | 24     | 29     | 30     | 27     | 16     | 13     | 25     |
| Min | 173.97 | 173.96 | 174.00 | 174.18 | 174.29 | 174.25 | 174.24 | 174.35 | 174.38 | 174.19 | 174.01 | 174.22 |
| Day | 22     | 24     | 6      | 15     | 24     | 15     | 2      | 15     | 24     | 31     | 1      | 11     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.00 | | | | | | | | | | | 1 | | 175.00 | 1 |
| 174.95 | | | | | | | | | | | | | 174.95 | 1 |
| 174.90 | | | | | | | | | | | | | 174.90 | 1 |
| 174.85 | | | | | | | | | | | | 1 | 174.85 | 2 |
| 174.80 | | | | | | | | | | | | | 174.80 | 2 |
| 174.75 | | | | | | | | | | 1 | | | 174.75 | 3 |
| 174.70 | | | | | | | | | | | | | 174.70 | 3 |
| 174.65 | | | | | | | | 2 | 1 | | 1 | 2 | 174.65 | 9 |
| 174.60 | | | | | | | | 1 | 1 | | 2 | 3 | 174.60 | 15 |
| 174.55 | | | | | | | | 4 | 3 | 2 | 1 | 3 | 174.55 | 28 |
| 174.50 | 1 | | | | | | 5 | 8 | 5 | 3 | 4 | 4 | 174.50 | 58 |
| 174.45 | | | | | 1 | | 5 | 10 | 10 | 4 | 4 | 3 | 174.45 | 95 |
| 174.40 | 1 | | 2 | 1 | 5 | 7 | 7 | 5 | 9 | 2 | 4 | 4 | 174.40 | 142 |
| 174.35 | 1 | | | 7 | 19 | 17 | 12 | 1 | 1 | 9 | 5 | 7 | 174.35 | 221 |
| 174.30 | 1 | | 3 | 4 | 5 | 4 | | 1 | | 7 | 4 | 3 | 174.30 | 253 |
| 174.25 | 1 | | 5 | 8 | 1 | 1 | 1 | | | 2 | 1 | | 174.25 | 273 |
| 174.20 | 1 | 4 | 8 | 8 | | 1 | 1 | | | | 2 | 1 | 174.20 | 299 |
| 174.15 | 4 | 5 | 3 | 2 | | | | | | 1 | | | 174.15 | 314 |
| 174.10 | 8 | 5 | 4 | | | | | | | | | | 174.10 | 331 |
| 174.05 | 5 | 8 | 4 | | | | | | | | | | 174.05 | 348 |
| 174.00 | 5 | 6 | | | | | | | | | 1 | | 174.00 | 360 |
| 173.95 | 3 | 1 | 2 | | | | | | | | | | 173.95 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 906-3028 Sturgeon Point, New York on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 174.03 | 174.07 | 174.30 | 174.31 | 174.41 | 174.40 | 174.30 | 174.58 | 174.48 | 174.49 | 174.01 | 174.55 |
| 2 | 174.01 | 174.09 | 174.00 | 174.34 | 174.49 | 174.39 | 174.24 | 174.55 | 174.41 | 174.60 | 174.23 | 174.51 |
| 3 | 174.00 | 174.03 | 174.08 | 174.32 | 174.43 | 174.37 | 174.41 | 174.54 | 174.52 | 174.54 | 174.38 | 174.60 |
| 4 | 174.04 | 174.18 | 174.08 | 174.28 | 174.43 | 174.35 | 174.40 | 174.56 | 174.41 | 174.28 | 174.50 | 174.54 |
| 5 | 174.04 | 174.08 | 174.08 | 174.30 | 174.39 | 174.35 | 174.44 | 174.52 | 174.41 | 174.33 | 174.41 | 174.70 |
| 6 | 174.12 | 174.06 | 174.00 | 174.24 | 174.37 | 174.39 | 174.40 | 174.47 | 174.45 | 174.37 | 174.41 | 174.68 |
| 7 | 174.12 | 174.09 | 174.15 | 174.28 | 174.38 | 174.39 | 174.36 | 174.46 | 174.46 | 174.37 | 174.29 | 174.62 |
| 8 | 173.98 | 174.12 | 174.18 | 174.26 | 174.32 | 174.40 | 174.39 | 174.53 | 174.53 | 174.38 | 174.32 | 174.45 |
| 9 | 174.18 | 174.15 | 174.15 | 174.25 | 174.38 | 174.39 | 174.43 | 174.54 | 174.45 | 174.54 | 174.33 | 174.35 |
| 10 | 174.12 | 174.06 | 174.25 | 174.18 | 174.40 | 174.39 | 174.40 | 174.52 | 174.62 | 174.46 | 174.40 | 174.37 |
| 11 | 174.15 | 174.13 | 174.41 | 174.24 | 174.38 | 174.38 | 174.37 | 174.50 | 174.48 | 174.46 | 174.38 | 174.22 |
| 12 | 174.11 | 174.01 | 174.44 | 174.28 | 174.38 | 174.38 | 174.40 | 174.48 | 174.47 | 174.57 | 174.46 | 174.35 |
| 13 | 174.06 | 174.06 | 174.34 | 174.22 | 174.41 | 174.40 | 174.42 | 174.42 | 174.45 | 174.54 | 175.02 | 174.35 |
| 14 | 174.22 | 174.07 | 174.30 | 174.24 | 174.39 | 174.38 | 174.43 | 174.36 | 174.48 | 174.32 | 174.58 | 174.38 |
| 15 | 174.09 | 174.03 | 174.24 | 174.18 | 174.36 | 174.25 | 174.40 | 174.35 | 174.49 | 174.38 | 174.51 | 174.39 |
| 16 | 174.31 | 174.25 | 174.23 | 174.24 | 174.36 | 174.28 | 174.41 | 174.47 | 174.49 | 174.76 | 174.49 | 174.48 |
| 17 | 174.44 | 174.05 | 174.28 | 174.26 | 174.41 | 174.34 | 174.49 | 174.48 | 174.55 | 174.49 | 174.40 | 174.49 |
| 18 | 174.40 | 174.04 | 174.06 | 174.21 | 174.37 | 174.41 | 174.50 | 174.53 | 174.58 | 174.43 | 174.39 | 174.41 |
| 19 | 174.28 | 174.18 | 174.12 | 174.24 | 174.34 | 174.44 | 174.50 | 174.51 | 174.49 | 174.42 | 174.31 | 174.44 |
| 20 | 174.17 | 174.16 | 174.22 | 174.28 | 174.37 | 174.43 | 174.54 | 174.49 | 174.45 | 174.39 | 174.35 | 174.62 |
| 21 | 174.18 | 174.22 | 174.20 | 174.30 | 174.36 | 174.44 | 174.46 | 174.47 | 174.52 | 174.38 | 174.46 | 174.42 |
| 22 | 173.97 | 174.11 | 174.11 | 174.38 | 174.37 | 174.43 | 174.39 | 174.44 | 174.60 | 174.33 | 174.25 | 174.55 |
| 23 | 174.14 | 174.04 | 174.25 | 174.31 | 174.39 | 174.32 | 174.39 | 174.44 | 174.47 | 174.38 | 174.55 | 174.62 |
| 24 | 174.51 | 173.96 | 174.23 | 174.39 | 174.29 | 174.44 | 174.41 | 174.45 | 174.38 | 174.38 | 174.41 | 174.57 |
| 25 | 174.04 | 174.13 | 174.24 | 174.39 | 174.32 | 174.37 | 174.46 | 174.47 | 174.45 | 174.35 | 174.42 | 174.88 |
| 26 | 174.11 | 174.20 | 174.20 | 174.39 | 174.36 | 174.38 | 174.52 | 174.48 | 174.45 | 174.38 | 174.66 | 174.58 |
| 27 | 174.06 | 174.25 | 174.31 | 174.41 | 174.40 | 174.42 | 174.52 | 174.44 | 174.69 | 174.34 | 174.55 | 174.36 |
| 28 | 174.06 | 174.20 | 174.33 | 174.40 | 174.37 | 174.37 | 174.52 | 174.60 | 174.60 | 174.33 | 174.51 | 174.37 |
| 29 | 174.16 | 174.22 | 174.26 | 174.39 | 174.33 | 174.38 | 174.54 | 174.67 | 174.53 | 174.34 | 174.64 | 174.36 |
| 30 | 174.13 | | 174.24 | 174.40 | 174.34 | 174.36 | 174.37 | 174.69 | 174.47 | 174.28 | 174.64 | 174.38 |
| 31 | 174.09 | | 174.26 | | 174.40 | | 174.40 | 174.58 | | 174.19 | | 174.50 |
| Mean | 174.14 | 174.11 | 174.21 | 174.30 | 174.38 | 174.38 | 174.43 | 174.50 | 174.49 | 174.41 | 174.44 | 174.49 |
| Max. | 175.03 | 174.55 | 174.72 | 174.53 | 174.68 | 174.67 | 174.73 | 174.89 | 175.37 | 175.35 | 176.12 | 175.54 |
| Hr. | 1600 | 0600 | 1700 | 0300 | 2000 | 1300 | 0100 | 2200 | 1200 | 1900 | 2400 | 1800 |
| Day | 14 | 21 | 10 | 22 | 2 | 18 | 13 | 28 | 27 | 16 | 12 | 25 |
| Min. | 173.67 | 173.83 | 173.77 | 173.92 | 174.12 | 174.13 | 174.11 | 174.30 | 174.31 | 174.14 | 173.88 | 174.12 |
| Hr. | 0600 | 0800 | 0900 | 0100 | 0900 | 0700 | 0200 | 2200 | 2300 | 0500 | 1700 | 1200 |
| Day | 14 | 15 | 2 | 11 | 24 | 15 | 31 | 14 | 8 | 4 | 1 | 11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.36

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 906-3038 Erie, Pennsylvania on Lake Erie

HIGHEST

Monthly mean elevation: 174.52 Aug
Daily mean elevation: 174.78 13 Nov
Instant/hourly elevation: 175.55 0200/13 Nov

LOWEST

Monthly mean elevation: 174.12 Feb
Daily mean elevation: 174.02 22 Jan
Instant/hourly elevation: 173.85 0600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.36 | 174.21 | 174.39 | 174.43 | 174.47 | 174.45 | 174.54 | 174.62 | 174.63 | 174.64 | 174.78 | 174.69 |
| Day | 24     | 29     | 11     | 30     | 2      | 21     | 29     | 29     | 27     | 16     | 13     | 5      |
| Min | 174.02 | 174.05 | 174.09 | 174.23 | 174.37 | 174.32 | 174.32 | 174.44 | 174.44 | 174.27 | 174.13 | 174.37 |
| Day | 22     | 12     | 6      | 15     | 30     | 15     | 2      | 15     | 2      | 31     | 1      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 174.75 | | | | | | | | | | | 1 | | 174.75 | 1 |
| 174.70 | | | | | | | | | | | | | 174.70 | 1 |
| 174.65 | | | | | | | | | | | | 2 | 174.65 | 3 |
| 174.60 | | | | | | | | 1 | 1 | 1 | 1 | | 174.60 | 7 |
| 174.55 | | | | | | | 8 | 4 | 3 | 2 | 2 | 5 | 174.55 | 21 |
| 174.50 | | | | | | | 7 | 14 | 14 | 2 | 5 | 5 | 174.50 | 69 |
| 174.45 | | | | | 1 | | | 10 | 9 | 5 | 4 | 5 | 174.45 | 110 |
| 174.40 | | | | 6 | 16 | 16 | 10 | 2 | 3 | 6 | 6 | 8 | 174.40 | 183 |
| 174.35 | 1 | | 1 | 2 | 14 | 12 | 4 | | | 12 | 6 | 6 | 174.35 | 241 |
| 174.30 | 1 | | 3 | 6 | | 2 | 2 | | | 4 | 3 | | 174.30 | 262 |
| 174.25 | 1 | | 7 | 14 | | | | | | 1 | 1 | | 174.25 | 286 |
| 174.20 | 2 | 1 | 9 | 2 | | | | | | | | | 174.20 | 300 |
| 174.15 | 2 | 8 | 5 | | | | | | | | | | 174.15 | 315 |
| 174.10 | 12 | 7 | 4 | | | | | | | | | | 174.10 | 339 |
| 174.05 | 8 | 12 | 2 | | | | | | | | 1 | | 174.05 | 361 |
| 174.00 | 4 | 1 | | | | | | | | | | | 174.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 906-3038 Erie, Pennsylvania on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 174.06 | 174.11 | 174.22 | 174.31 | 174.42 | 174.43 | 174.35 | 174.58 | 174.49 | 174.50 | 174.13 | 174.54 |
| 2 | 174.04 | 174.11 | 174.09 | 174.35 | 174.47 | 174.42 | 174.32 | 174.55 | 174.44 | 174.54 | 174.26 | 174.52 |
| 3 | 174.04 | 174.07 | 174.12 | 174.31 | 174.44 | 174.40 | 174.43 | 174.54 | 174.51 | 174.50 | 174.37 | 174.58 |
| 4 | 174.08 | 174.15 | 174.12 | 174.29 | 174.44 | 174.39 | 174.41 | 174.57 | 174.45 | 174.34 | 174.46 | 174.53 |
| 5 | 174.08 | 174.10 | 174.13 | 174.30 | 174.43 | 174.40 | 174.42 | 174.54 | 174.45 | 174.39 | 174.42 | 174.69 |
| 6 | 174.12 | 174.09 | 174.09 | 174.27 | 174.41 | 174.42 | 174.40 | 174.51 | 174.47 | 174.42 | 174.43 | 174.56 |
| 7 | 174.11 | 174.10 | 174.17 | 174.28 | 174.42 | 174.42 | 174.38 | 174.50 | 174.48 | 174.41 | 174.35 | 174.56 |
| 8 | 174.04 | 174.13 | 174.20 | 174.27 | 174.38 | 174.43 | 174.39 | 174.54 | 174.52 | 174.40 | 174.36 | 174.47 |
| 9 | 174.13 | 174.14 | 174.18 | 174.27 | 174.42 | 174.42 | 174.42 | 174.54 | 174.48 | 174.50 | 174.35 | 174.41 |
| 10 | 174.12 | 174.07 | 174.24 | 174.24 | 174.42 | 174.41 | 174.41 | 174.53 | 174.59 | 174.44 | 174.37 | 174.38 |
| 11 | 174.14 | 174.12 | 174.39 | 174.28 | 174.41 | 174.41 | 174.38 | 174.53 | 174.52 | 174.45 | 174.37 | 174.40 |
| 12 | 174.09 | 174.05 | 174.33 | 174.29 | 174.41 | 174.40 | 174.41 | 174.52 | 174.51 | 174.53 | 174.41 | 174.42 |
| 13 | 174.06 | 174.08 | 174.30 | 174.26 | 174.42 | 174.41 | 174.43 | 174.48 | 174.50 | 174.49 | 174.78 | 174.42 |
| 14 | 174.21 | 174.09 | 174.27 | 174.27 | 174.42 | 174.41 | 174.45 | 174.44 | 174.51 | 174.36 | 174.53 | 174.43 |
| 15 | 174.16 | 174.06 | 174.26 | 174.23 | 174.40 | 174.32 | 174.45 | 174.44 | 174.51 | 174.40 | 174.51 | 174.43 |
| 16 | 174.25 | 174.20 | 174.23 | 174.28 | 174.38 | 174.34 | 174.46 | 174.52 | 174.51 | 174.64 | 174.46 | 174.46 |
| 17 | 174.32 | 174.08 | 174.24 | 174.29 | 174.41 | 174.38 | 174.50 | 174.52 | 174.53 | 174.47 | 174.45 | 174.48 |
| 18 | 174.30 | 174.08 | 174.13 | 174.26 | 174.40 | 174.40 | 174.51 | 174.53 | 174.55 | 174.43 | 174.43 | 174.44 |
| 19 | 174.20 | 174.17 | 174.19 | 174.29 | 174.38 | 174.44 | 174.51 | 174.52 | 174.52 | 174.44 | 174.38 | 174.44 |
| 20 | 174.14 | 174.16 | 174.23 | 174.31 | 174.40 | 174.45 | 174.54 | 174.50 | 174.49 | 174.39 | 174.39 | 174.57 |
| 21 | 174.14 | 174.19 | 174.23 | 174.33 | 174.39 | 174.45 | 174.50 | 174.49 | 174.52 | 174.40 | 174.42 | 174.44 |
| 22 | 174.02 | 174.14 | 174.19 | 174.39 | 174.40 | 174.42 | 174.46 | 174.48 | 174.60 | 174.37 | 174.35 | 174.50 |
| 23 | 174.11 | 174.10 | 174.26 | 174.34 | 174.41 | 174.36 | 174.48 | 174.48 | 174.53 | 174.37 | 174.54 | 174.54 |
| 24 | 174.36 | 174.07 | 174.24 | 174.40 | 174.38 | 174.44 | 174.48 | 174.48 | 174.46 | 174.40 | 174.46 | 174.57 |
| 25 | 174.09 | 174.16 | 174.24 | 174.41 | 174.38 | 174.40 | 174.51 | 174.50 | 174.50 | 174.38 | 174.47 | 174.67 |
| 26 | 174.11 | 174.20 | 174.23 | 174.42 | 174.40 | 174.39 | 174.54 | 174.49 | 174.51 | 174.38 | 174.61 | 174.53 |
| 27 | 174.08 | 174.20 | 174.32 | 174.43 | 174.41 | 174.42 | 174.53 | 174.48 | 174.63 | 174.36 | 174.54 | 174.37 |
| 28 | 174.08 | 174.18 | 174.32 | 174.43 | 174.40 | 174.40 | 174.53 | 174.60 | 174.58 | 174.35 | 174.52 | 174.38 |
| 29 | 174.12 | 174.21 | 174.27 | 174.42 | 174.37 | 174.40 | 174.54 | 174.62 | 174.54 | 174.35 | 174.58 | 174.39 |
| 30 | 174.11 | | 174.26 | 174.43 | 174.37 | 174.39 | 174.42 | 174.59 | 174.50 | 174.33 | 174.57 | 174.40 |
| 31 | 174.11 | | 174.27 | | 174.43 | | 174.49 | 174.54 | | 174.27 | | 174.50 |
| Mean | 174.13 | 174.12 | 174.22 | 174.32 | 174.41 | 174.40 | 174.45 | 174.52 | 174.51 | 174.42 | 174.44 | 174.48 |
| Max.
Hr.
Day | 174.85
1500
14 | 174.38
0500
21 | 174.54
1900
11 | 174.50
1800
24 | 174.56
1300
3 | 174.58
0600
24 | 174.64
1900
20 | 174.76
2300
28 | 174.97
1300
27 | 175.10
1800
16 | 175.55
0200
13 | 175.12
1700
25 |
| Min.
Hr.
Day | 173.85
0600
14 | 173.94
1000
15 | 173.90
0800
2 | 174.07
0300
11 | 174.26
0800
24 | 174.21
0900
18 | 174.24
2400
30 | 174.38
1000
15 | 174.36
1900
2 | 174.22
2200
14 | 174.03
1700
1 | 174.23
1000
10 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.37

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 906-3053 Fairport, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 174.53 Aug
Daily mean elevation: 174.61 31 Jul
Instant/hourly elevation: 174.77 2100/12 Nov

LOWEST

Monthly mean elevation: 174.10 Jan
Daily mean elevation: 174.06 12 Jan
Instant/hourly elevation: 173.96 1600/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.22 | 174.20 | 174.29 | 174.45 | 174.47 | 174.45 | 174.61 | 174.56 | 174.58 | 174.49 | 174.52 | 174.54 |
| Day | 14 | 29 | 30 | 30 | 24 | 20 | 31 | 14 | 23 | 1 | 28 | 11 |
| Min | 174.06 | 174.08 | 174.14 | 174.29 | 174.41 | 174.39 | 174.40 | 174.48 | 174.48 | 174.36 | 174.35 | 174.37 |
| Day | 12 | 10 | 1 | 10 | 30 | 18 | 9 | 30 | 3 | 30 | 10 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 174.60 | | | | | | | 1 | | | | | | 174.60 | 1 |
| 174.55 | | | | | | | 3 | 3 | 3 | | | | 174.55 | 10 |
| 174.50 | | | | | | | 11 | 23 | 19 | | 4 | 2 | 174.50 | 69 |
| 174.45 | | | | | 1 | | 2 | 5 | 8 | 4 | 10 | 12 | 174.45 | 111 |
| 174.40 | | | | 6 | 30 | 26 | 10 | | | 13 | 5 | 15 | 174.40 | 216 |
| 174.35 | | | | 5 | | 4 | 4 | | | 14 | 9 | 2 | 174.35 | 254 |
| 174.30 | | | | 8 | | | | | | | 2 | | 174.30 | 264 |
| 174.25 | | | 11 | 11 | | | | | | | | | 174.25 | 286 |
| 174.20 | 1 | | 11 | | | | | | | | | | 174.20 | 298 |
| 174.15 | | 11 | 8 | | | | | | | | | | 174.15 | 317 |
| 174.10 | 6 | 10 | 1 | | | | | | | | | | 174.10 | 334 |
| 174.05 | 24 | 8 | | | | | | | | | | | 174.05 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3053 Fairport, Ohio on Lake Erie

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 174.08 | 174.13 | 174.14 | 174.30 | 174.44 | 174.44 | 174.41 | 174.56 | 174.50 | 174.49 | 174.35 | 174.49 |
| 2 | 174.08 | 174.10 | 174.20 | 174.32 | 174.43 | 174.44 | 174.41 | 174.54 | 174.48 | 174.45 | 174.36 | 174.50 |
| 3 | 174.09 | 174.11 | 174.18 | 174.29 | 174.45 | 174.43 | 174.41 | 174.55 | 174.48 | 174.46 | 174.37 | 174.50 |
| 4 | 174.10 | 174.12 | 174.19 | 174.30 | 174.45 | 174.44 | 174.40 | 174.56 | 174.51 | 174.48 | 174.37 | 174.50 |
| 5 | 174.10 | 174.11 | 174.19 | 174.30 | 174.45 | 174.45 | 174.40 | 174.55 | 174.50 | 174.47 | 174.40 | 174.54 |
| 6 | 174.08 | 174.10 | 174.20 | 174.30 | 174.45 | 174.44 | 174.41 | 174.54 | 174.49 | 174.45 | 174.41 | 174.44 |
| 7 | 174.08 | 174.10 | 174.19 | 174.29 | 174.44 | 174.44 | 174.41 | 174.54 | 174.50 | 174.44 | 174.40 | 174.46 |
| 8 | 174.09 | 174.12 | 174.20 | 174.30 | 174.45 | 174.44 | 174.40 | 174.54 | 174.50 | 174.42 | 174.39 | 174.46 |
| 9 | 174.06 | 174.08 | 174.20 | 174.29 | 174.44 | 174.43 | 174.40 | 174.54 | 174.53 | 174.42 | 174.36 | 174.45 |
| 10 | 174.10 | 174.08 | 174.25 | 174.29 | 174.43 | 174.44 | 174.42 | 174.53 | 174.53 | 174.39 | 174.35 | 174.44 |
| 11 | 174.08 | 174.12 | 174.27 | 174.33 | 174.44 | 174.43 | 174.42 | 174.55 | 174.55 | 174.44 | 174.37 | 174.54 |
| 12 | 174.06 | 174.10 | 174.23 | 174.32 | 174.44 | 174.42 | 174.41 | 174.54 | 174.54 | 174.41 | 174.42 | 174.49 |
| 13 | 174.07 | 174.10 | 174.25 | 174.31 | 174.44 | 174.42 | 174.42 | 174.55 | 174.53 | 174.38 | 174.36 | 174.47 |
| 14 | 174.22 | 174.09 | 174.23 | 174.30 | 174.43 | 174.43 | 174.43 | 174.56 | 174.52 | 174.39 | 174.45 | 174.47 |
| 15 | 174.14 | 174.12 | 174.27 | 174.30 | 174.44 | 174.42 | 174.50 | 174.54 | 174.51 | 174.41 | 174.48 | 174.45 |
| 16 | 174.13 | 174.12 | 174.23 | 174.31 | 174.43 | 174.40 | 174.51 | 174.55 | 174.51 | 174.42 | 174.43 | 174.44 |
| 17 | 174.09 | 174.13 | 174.23 | 174.34 | 174.41 | 174.40 | 174.50 | 174.54 | 174.50 | 174.42 | 174.46 | 174.45 |
| 18 | 174.12 | 174.16 | 174.24 | 174.35 | 174.43 | 174.39 | 174.52 | 174.53 | 174.51 | 174.42 | 174.47 | 174.46 |
| 19 | 174.07 | 174.14 | 174.28 | 174.36 | 174.43 | 174.44 | 174.52 | 174.54 | 174.52 | 174.44 | 174.47 | 174.44 |
| 20 | 174.10 | 174.16 | 174.24 | 174.35 | 174.42 | 174.45 | 174.52 | 174.52 | 174.52 | 174.37 | 174.46 | 174.47 |
| 21 | 174.09 | 174.16 | 174.24 | 174.36 | 174.42 | 174.44 | 174.55 | 174.51 | 174.54 | 174.40 | 174.44 | 174.45 |
| 22 | 174.11 | 174.17 | 174.28 | 174.38 | 174.42 | 174.40 | 174.54 | 174.51 | 174.57 | 174.40 | 174.49 | 174.43 |
| 23 | 174.09 | 174.18 | 174.26 | 174.39 | 174.42 | 174.41 | 174.56 | 174.51 | 174.58 | 174.37 | 174.47 | 174.44 |
| 24 | 174.10 | 174.20 | 174.25 | 174.40 | 174.47 | 174.43 | 174.56 | 174.50 | 174.56 | 174.41 | 174.51 | 174.45 |
| 25 | 174.10 | 174.18 | 174.25 | 174.43 | 174.44 | 174.42 | 174.54 | 174.50 | 174.55 | 174.39 | 174.51 | 174.37 |
| 26 | 174.10 | 174.17 | 174.27 | 174.44 | 174.43 | 174.41 | 174.54 | 174.50 | 174.55 | 174.36 | 174.50 | 174.42 |
| 27 | 174.10 | 174.16 | 174.29 | 174.45 | 174.41 | 174.43 | 174.56 | 174.51 | 174.52 | 174.37 | 174.51 | 174.39 |
| 28 | 174.11 | 174.18 | 174.29 | 174.44 | 174.42 | 174.41 | 174.54 | 174.55 | 174.53 | 174.37 | 174.52 | 174.41 |
| 29 | 174.08 | 174.20 | 174.28 | 174.44 | 174.42 | 174.41 | 174.53 | 174.51 | 174.53 | 174.37 | 174.49 | 174.41 |
| 30 | 174.08 | | 174.29 | 174.45 | 174.41 | 174.42 | 174.54 | 174.48 | 174.51 | 174.36 | 174.47 | 174.43 |
| 31 | 174.11 | | 174.28 | | 174.44 | | 174.61 | 174.50 | | 174.37 | | 174.46 |
| Mean | 174.10 | 174.13 | 174.24 | 174.35 | 174.43 | 174.43 | 174.48 | 174.53 | 174.52 | 174.41 | 174.44 | 174.46 |
| Max. | 174.56 | 174.33 | 174.41 | 174.49 | 174.54 | 174.56 | 174.67 | 174.64 | 174.73 | 174.63 | 174.77 | 174.62 |
| Hr. | 1000 | 2200 | 1500 | 0700 | 0300 | 1000 | 1000 | 1600 | 2400 | 1300 | 2100 | 0100 |
| Day | 14 | 28 | 22 | 25 | 24 | 18 | 31 | 28 | 9 | 16 | 12 | 3 |
| Min. | 173.96 | 174.05 | 174.07 | 174.15 | 174.33 | 174.20 | 174.30 | 174.43 | 174.36 | 174.21 | 174.12 | 174.15 |
| Hr. | 1600 | 2200 | 1000 | 0900 | 0500 | 0500 | 0100 | 1600 | 0500 | 0800 | 0400 | 1700 |
| Day | 9 | 10 | 1 | 11 | 1 | 18 | 13 | 30 | 10 | 14 | 13 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.38

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3063 Cleveland, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 174.51 Aug
Daily mean elevation: 174.62 31 Jul
Instant/hourly elevation: 174.89 2100/12 Nov

LOWEST

Monthly mean elevation: 174.06 Jan
Daily mean elevation: 173.99 19 Jan
Instant/hourly elevation: 173.81 0300/13 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.21 | 174.22 | 174.30 | 174.42 | 174.47 | 174.43 | 174.62 | 174.57 | 174.57 | 174.49 | 174.51 | 174.54 |
| Day | 14 | 24 | 22 | 30 | 24 | 20 | 31 | 14 | 23 | 4 | 22 | 11 |
| Min | 173.99 | 174.05 | 174.08 | 174.26 | 174.39 | 174.37 | 174.36 | 174.40 | 174.45 | 174.31 | 174.22 | 174.24 |
| Day | 19 | 10 | 1 | 7 | 30 | 18 | 8 | 30 | 3 | 20 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 174.60 | | | | | | | 1 | | | | | | 174.60 | 1 |
| 174.55 | | | | | | | | 1 | 2 | | | | 174.55 | 4 |
| 174.50 | | | | | | | 10 | 16 | 7 | | 1 | 1 | 174.50 | 39 |
| 174.45 | | | | | 1 | | 6 | 13 | 19 | 1 | 6 | 4 | 174.45 | 89 |
| 174.40 | | | | 6 | 22 | 15 | 3 | | 2 | 6 | 7 | 13 | 174.40 | 163 |
| 174.35 | | | | 4 | 8 | 15 | 11 | 1 | | 12 | 9 | 12 | 174.35 | 235 |
| 174.30 | | | | 3 | | | | | | 12 | 4 | | 174.30 | 254 |
| 174.25 | | | 8 | 17 | | | | | | | 2 | | 174.25 | 281 |
| 174.20 | 1 | 1 | 13 | | | | | | | | 1 | 1 | 174.20 | 298 |
| 174.15 | | 3 | 9 | | | | | | | | | | 174.15 | 310 |
| 174.10 | 1 | 10 | | | | | | | | | | | 174.10 | 321 |
| 174.05 | 14 | 13 | 1 | | | | | | | | | | 174.05 | 349 |
| 174.00 | 13 | 2 | | | | | | | | | | | 174.00 | 364 |
| 173.95 | 2 | | | | | | | | | | | | 173.95 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 906-3063 Cleveland, Ohio on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 174.06 | 174.11 | 174.08 | 174.28 | 174.41 | 174.42 | 174.41 | 174.52 | 174.47 | 174.45 | 174.41 | 174.43 |
| 2 | 174.07 | 174.06 | 174.21 | 174.30 | 174.39 | 174.42 | 174.43 | 174.50 | 174.45 | 174.39 | 174.35 | 174.45 |
| 3 | 174.08 | 174.09 | 174.18 | 174.26 | 174.43 | 174.42 | 174.38 | 174.52 | 174.45 | 174.41 | 174.31 | 174.47 |
| 4 | 174.08 | 174.07 | 174.18 | 174.27 | 174.43 | 174.42 | 174.38 | 174.54 | 174.50 | 174.49 | 174.30 | 174.45 |
| 5 | 174.08 | 174.08 | 174.18 | 174.27 | 174.44 | 174.43 | 174.38 | 174.53 | 174.49 | 174.45 | 174.36 | 174.48 |
| 6 | 174.05 | 174.07 | 174.21 | 174.27 | 174.44 | 174.41 | 174.40 | 174.53 | 174.47 | 174.43 | 174.39 | 174.36 |
| 7 | 174.05 | 174.08 | 174.18 | 174.26 | 174.42 | 174.42 | 174.39 | 174.52 | 174.48 | 174.42 | 174.39 | 174.40 |
| 8 | 174.08 | 174.09 | 174.18 | 174.28 | 174.44 | 174.42 | 174.36 | 174.50 | 174.47 | 174.39 | 174.37 | 174.44 |
| 9 | 174.01 | 174.05 | 174.18 | 174.28 | 174.42 | 174.42 | 174.38 | 174.52 | 174.49 | 174.33 | 174.32 | 174.43 |
| 10 | 174.07 | 174.05 | 174.23 | 174.28 | 174.42 | 174.42 | 174.38 | 174.51 | 174.46 | 174.34 | 174.29 | 174.42 |
| 11 | 174.03 | 174.08 | 174.24 | 174.30 | 174.42 | 174.41 | 174.39 | 174.54 | 174.53 | 174.40 | 174.33 | 174.54 |
| 12 | 174.01 | 174.10 | 174.20 | 174.30 | 174.42 | 174.40 | 174.39 | 174.52 | 174.51 | 174.33 | 174.38 | 174.47 |
| 13 | 174.04 | 174.08 | 174.22 | 174.30 | 174.41 | 174.39 | 174.39 | 174.54 | 174.51 | 174.32 | 174.22 | 174.46 |
| 14 | 174.21 | 174.08 | 174.21 | 174.29 | 174.42 | 174.40 | 174.44 | 174.57 | 174.49 | 174.36 | 174.37 | 174.44 |
| 15 | 174.11 | 174.10 | 174.24 | 174.30 | 174.42 | 174.43 | 174.48 | 174.55 | 174.49 | 174.39 | 174.44 | 174.42 |
| 16 | 174.04 | 174.07 | 174.20 | 174.30 | 174.42 | 174.40 | 174.48 | 174.54 | 174.48 | 174.35 | 174.38 | 174.40 |
| 17 | 174.00 | 174.13 | 174.19 | 174.30 | 174.39 | 174.37 | 174.47 | 174.52 | 174.46 | 174.39 | 174.43 | 174.42 |
| 18 | 174.06 | 174.14 | 174.26 | 174.34 | 174.42 | 174.37 | 174.50 | 174.49 | 174.46 | 174.39 | 174.46 | 174.43 |
| 19 | 173.99 | 174.12 | 174.27 | 174.36 | 174.42 | 174.43 | 174.50 | 174.51 | 174.51 | 174.41 | 174.46 | 174.40 |
| 20 | 174.04 | 174.13 | 174.22 | 174.34 | 174.41 | 174.43 | 174.48 | 174.50 | 174.50 | 174.31 | 174.44 | 174.41 |
| 21 | 174.03 | 174.12 | 174.22 | 174.36 | 174.40 | 174.42 | 174.53 | 174.49 | 174.47 | 174.36 | 174.40 | 174.42 |
| 22 | 174.10 | 174.16 | 174.30 | 174.35 | 174.40 | 174.38 | 174.54 | 174.49 | 174.55 | 174.37 | 174.51 | 174.38 |
| 23 | 174.04 | 174.19 | 174.23 | 174.38 | 174.40 | 174.40 | 174.55 | 174.48 | 174.57 | 174.33 | 174.42 | 174.38 |
| 24 | 174.03 | 174.22 | 174.22 | 174.39 | 174.47 | 174.40 | 174.55 | 174.48 | 174.56 | 174.38 | 174.49 | 174.40 |
| 25 | 174.09 | 174.15 | 174.21 | 174.41 | 174.43 | 174.40 | 174.52 | 174.47 | 174.53 | 174.36 | 174.50 | 174.24 |
| 26 | 174.07 | 174.13 | 174.25 | 174.42 | 174.41 | 174.40 | 174.52 | 174.46 | 174.53 | 174.32 | 174.42 | 174.37 |
| 27 | 174.07 | 174.12 | 174.28 | 174.42 | 174.40 | 174.40 | 174.54 | 174.48 | 174.46 | 174.34 | 174.47 | 174.36 |
| 28 | 174.08 | 174.13 | 174.26 | 174.42 | 174.40 | 174.40 | 174.52 | 174.52 | 174.49 | 174.33 | 174.49 | 174.38 |
| 29 | 174.04 | 174.17 | 174.26 | 174.41 | 174.41 | 174.39 | 174.51 | 174.47 | 174.50 | 174.34 | 174.43 | 174.37 |
| 30 | 174.04 | | 174.27 | 174.42 | 174.39 | 174.40 | 174.54 | 174.40 | 174.49 | 174.35 | 174.40 | 174.40 |
| 31 | 174.08 | | 174.26 | | 174.43 | | 174.62 | 174.46 | | 174.37 | | 174.44 |
| Mean | 174.06 | 174.11 | 174.22 | 174.33 | 174.42 | 174.41 | 174.46 | 174.51 | 174.49 | 174.38 | 174.40 | 174.41 |
| Max.
Hr.
Day | 174.67
0900
14 | 174.34
1900
28 | 174.46
1300
22 | 174.71
2000
23 | 174.60
1700
17 | 174.60
2400
17 | 174.74
0900
31 | 174.62
1400
28 | 174.75
2400
9 | 174.58
1400
16 | 174.89
2100
12 | 174.60
2400
2 |
| Min.
Hr.
Day | 173.81
1600
14 | 173.99
0900
11 | 173.96
1000
1 | 174.16
0900
11 | 174.31
1900
17 | 174.22
0400
18 | 174.23
0400
5 | 174.32
0700
30 | 174.22
1300
27 | 174.18
1500
12 | 173.81
0300
13 | 173.93
1700
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.35

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3079 Marblehead, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 174.50 Aug
Daily mean elevation: 174.67 30 Jul
Instant/hourly elevation: 174.83 2400/30 Jul

LOWEST

Monthly mean elevation: 174.07 Jan
Daily mean elevation: 173.97 9 Jan
Instant/hourly elevation: 173.51 1500/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.30 | 174.28 | 174.38 | 174.44 | 174.52 | 174.53 | 174.67 | 174.66 | 174.64 | 174.63 | 174.61 | 174.53 |
| Day | 16 | 24 | 18 | 27 | 24 | 15 | 30 | 14 | 24 | 4 | 1 | 11 |
| Min | 173.97 | 174.01 | 174.01 | 174.23 | 174.35 | 174.37 | 174.34 | 174.28 | 174.37 | 174.11 | 174.22 | 174.26 |
| Day | 9 | 16 | 1 | 2 | 2 | 24 | 3 | 30 | 27 | 16 | 4 | 5 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 174.65 | | | | | | | 1 | 1 | | | | | 174.65 | 2 |
| 174.60 | | | | | | | 1 | 1 | 1 | 1 | 1 | | 174.60 | 7 |
| 174.55 | | | | | | | 4 | 2 | 2 | | 1 | | 174.55 | 16 |
| 174.50 | | | | | 2 | 1 | 4 | 11 | 9 | 1 | 4 | 1 | 174.50 | 49 |
| 174.45 | | | | | 4 | 2 | 9 | 12 | 11 | | 2 | 4 | 174.45 | 93 |
| 174.40 | | | | 5 | 21 | 21 | 2 | 1 | 4 | 6 | 6 | 6 | 174.40 | 165 |
| 174.35 | | | 2 | 8 | 3 | 6 | 9 | 2 | 3 | 5 | 3 | 11 | 174.35 | 217 |
| 174.30 | | | 1 | 5 | 1 | | 1 | | | 12 | 7 | 1 | 174.30 | 245 |
| 174.25 | 1 | 1 | 6 | 9 | | | | 1 | | 3 | 2 | 7 | 174.25 | 275 |
| 174.20 | | 1 | 11 | 3 | | | | | | 2 | 1 | | 174.20 | 293 |
| 174.15 | | 3 | 7 | | | | | | | | | | 174.15 | 303 |
| 174.10 | 3 | 6 | 3 | | | | | | | 1 | | | 174.10 | 316 |
| 174.05 | 9 | 10 | | | | | | | | | | | 174.05 | 335 |
| 174.00 | 7 | 3 | 1 | | | | | | | | | | 174.00 | 346 |
| 173.95 | 3 | | | | | | | | | | | | 173.95 | 349 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3079 Marblehead, Ohio on Lake Erie

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|---------|---------|--------|---------|--------|--------|---------|--------|--------|--------|---------|---------|
| 1 | 174.06 | 174.09 | 174.01 | 174.26 | 174.42 | 174.42 | 174.48 | 174.47 | 174.46 | 174.44 | 174.61 | 174.38 |
| 2 | 174.09 | 174.05 | 174.26 | 174.23 | 174.35 | 174.42 | 174.50 | 174.48 | 174.49 | 174.34 | 174.44 | 174.40 |
| 3 | 174.10 | 174.11 | 174.23 | 174.24 | 174.41 | 174.44 | 174.34 | 174.50 | 174.42 | 174.38 | 174.29 | 174.38 |
| 4 | 174.08 | 174.04 | 174.21 | 174.27 | 174.43 | 174.45 | 174.36 | 174.53 | 174.54 | 174.63 | 174.22 | 174.38 |
| 5 | 174.08 | 174.09 | 174.21 | 174.27 | 174.46 | 174.46 | 174.36 | 174.54 | 174.51 | 174.51 | 174.31 | 174.26 |
| 6 | 174.02 | 174.07 | 174.27 | 174.29 | 174.46 | 174.42 | 174.40 | 174.56 | 174.48 | 174.45 | 174.34 | 174.27 |
| 7 | 174.04 | 174.07 | 174.19 | 174.25* | 174.44 | 174.43 | 174.40 | 174.54 | 174.48 | 174.44 | 174.43 | 174.30 |
| 8 | 174.11 | 174.08 | 174.18 | 174.30* | 174.51 | 174.44 | 174.36 | 174.48 | 174.43 | 174.42 | 174.38 | 174.42 |
| 9 | 173.97 | / | 174.20 | 174.29 | 174.44 | 174.44 | 174.36 | 174.51 | 174.49 | 174.23 | 174.33 | 174.46 |
| 10 | 174.03 | / | 174.20 | 174.32 | 174.42 | 174.43 | 174.37 | 174.51 | 174.40 | 174.31 | 174.28 | 174.46 |
| 11 | 173.98 | / | 174.12 | 174.30 | 174.44 | 174.43 | 174.41 | 174.55 | 174.54 | 174.34 | 174.33 | 174.53 |
| 12 | 174.00 | / | 174.13 | 174.30 | 174.43 | 174.42 | 174.36 | 174.54 | 174.52 | 174.23 | 174.40* | 174.48 |
| 13 | 174.04 | / | 174.15 | 174.34 | 174.43 | 174.40 | 174.40 | 174.58 | 174.53 | 174.27 | / | 174.49 |
| 14 | 174.07 | 174.09* | 174.19 | 174.30 | 174.44 | 174.41 | 174.41 | 174.66 | 174.50 | 174.41 | / | 174.45 |
| 15 | 174.06 | 174.12 | 174.22 | 174.36 | 174.44 | 174.53 | 174.49 | 174.65 | 174.48 | 174.39 | / | 174.44 |
| 16 | 174.30* | 174.01 | 174.19 | 174.31 | 174.44 | 174.47 | 174.49 | 174.54 | 174.49 | 174.11 | 174.42* | 174.37 |
| 17 | / | 174.17 | 174.18 | 174.32 | 174.38 | 174.39 | 174.46 | 174.52 | 174.43 | 174.33 | 174.44 | 174.37 |
| 18 | / | 174.19 | 174.38 | 174.40 | 174.46 | 174.37 | 174.47 | 174.46 | 174.40 | 174.34 | 174.49 | 174.43 |
| 19 | / | 174.10 | 174.31 | 174.38 | 174.45 | 174.42 | 174.51 | 174.51 | 174.51 | 174.35 | 174.54 | 174.39 |
| 20 | / | 174.11 | 174.22 | 174.36 | 174.43 | 174.44 | 174.46 | 174.50 | 174.51 | 174.29 | 174.51 | 174.30 |
| 21 | 174.09* | 174.10 | 174.24 | 174.37 | 174.43 | 174.41 | 174.56 | 174.50 | 174.50 | 174.34 | 174.41 | 174.42 |
| 22 | 174.14 | 174.18 | 174.36 | 174.32 | 174.41 | 174.39 | 174.60 | 174.51 | 174.52 | 174.38 | 174.60 | 174.33 |
| 23 | 174.05 | 174.24 | 174.24 | 174.39 | 174.43 | 174.43 | 174.59 | 174.50 | 174.60 | 174.33 | 174.36 | 174.28 |
| 24 | / | 174.28 | 174.23 | 174.39 | 174.52 | 174.37 | 174.60 | 174.49 | 174.64 | 174.36 | 174.51 | 174.29 |
| 25 | 174.11 | 174.15 | 174.21 | 174.40 | 174.48 | 174.43 | 174.53 | 174.47 | 174.56 | 174.35 | 174.53 | / |
| 26 | / | 174.10 | 174.26 | 174.42 | 174.42 | 174.42 | 174.50 | 174.46 | 174.55 | 174.30 | 174.32 | 174.28 |
| 27 | / | 174.10 | 174.24 | 174.44 | 174.40 | 174.41 | 174.54 | 174.50 | 174.37 | 174.35 | 174.43 | 174.38* |
| 28 | / | 174.12 | 174.23 | 174.43 | 174.40 | 174.42 | 174.51 | 174.44 | 174.43 | 174.33 | 174.46 | 174.39 |
| 29 | 174.02 | 174.13 | 174.26 | 174.41 | 174.44 | 174.40 | 174.48* | 174.38 | 174.48 | 174.34 | 174.34 | 174.39 |
| 30 | 174.01 | | 174.29 | 174.42 | 174.44 | 174.42 | 174.67 | 174.28 | 174.49 | 174.40 | 174.31 | 174.41 |
| 31 | 174.07 | | 174.26 | | 174.42 | | 174.64 | 174.40 | | 174.45 | | 174.38 |
| Mean | 174.07 | 174.12 | 174.22 | 174.34 | 174.44 | 174.42 | 174.47 | 174.50 | 174.49 | 174.36 | 174.41 | 174.38 |
| Max. | 174.55 | 174.42 | 174.62 | 174.57 | 174.63 | 174.62 | 174.83 | 174.71 | 174.69 | 174.76 | 174.81 | 174.63 |
| Hr. | 0600 | 2000 | 1200 | 1300 | 0600 | 0800 | 2400 | 1000 | 2100 | 0700 | 2100 | 0900 |
| Day | 14 | 28 | 22 | 24 | 24 | 15 | 30 | 15 | 24 | 4 | 22 | 11 |
| Min. | 173.51 | 173.86 | 173.82 | 174.11 | 174.25 | 174.16 | 174.19 | 174.19 | 174.09 | 173.63 | 174.01 | 174.09 |
| Hr. | 1500 | 2400 | 0900 | 1000 | 1300 | 0200 | 0500 | 0400 | 1400 | 2100 | 1700 | 1100 |
| Day | 14 | 29 | 1 | 11 | 3 | 18 | 5 | 30 | 27 | 16 | 4 | 26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.35

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3085 Toledo, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 174.50 Sep
Daily mean elevation: 174.95 1 Nov
Instant/hourly elevation: 175.19 2100/1 Nov

LOWEST

Monthly mean elevation: 174.01 Jan
Daily mean elevation: 173.54 24 Jan
Instant/hourly elevation: 172.85 0500/13 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.20 | 174.35 | 174.58 | 174.51 | 174.56 | 174.66 | 174.85 | 174.74 | 174.77 | 174.79 | 174.95 | 174.54 |
| Day | 22 | 24 | 18 | 18 | 8 | 15 | 30 | 15 | 24 | 4 | 1 | 13 |
| Min | 173.54 | 173.99 | 173.95 | 174.18 | 174.29 | 174.35 | 174.26 | 174.15 | 174.28 | 173.83 | 173.67 | 173.66 |
| Day | 24 | 16 | 1 | 2 | 2 | 24 | 3 | 30 | 27 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 174.90 | | | | | | | | | | | 1 | | 174.90 | 1 |
| 174.85 | | | | | | | | | | | | | 174.85 | 1 |
| 174.80 | | | | | | | 1 | | | | | | 174.80 | 2 |
| 174.75 | | | | | | | | | 1 | 1 | | | 174.75 | 4 |
| 174.70 | | | | | | | | 1 | | | 1 | | 174.70 | 6 |
| 174.65 | | | | | | 1 | 4 | 1 | 1 | | | | 174.65 | 13 |
| 174.60 | | | | | | | 1 | 1 | 1 | | 1 | | 174.60 | 17 |
| 174.55 | | | 1 | | 1 | 1 | 3 | 4 | 5 | 1 | 4 | | 174.55 | 37 |
| 174.50 | | | | 1 | 5 | | 4 | 12 | 4 | 1 | 1 | 4 | 174.50 | 69 |
| 174.45 | | | 1 | 3 | 12 | 8 | 5 | 5 | 11 | 5 | 2 | 4 | 174.45 | 125 |
| 174.40 | | | | 5 | 9 | 13 | 4 | 3 | 1 | 2 | 4 | 7 | 174.40 | 173 |
| 174.35 | | | 1 | 7 | 3 | 5 | 2 | | 2 | 6 | 3 | 3 | 174.35 | 205 |
| 174.30 | | 2 | 3 | 6 | | 2 | 5 | 2 | 3 | 7 | 3 | 4 | 174.30 | 242 |
| 174.25 | | 1 | 6 | 5 | 1 | | 2 | 1 | 1 | 4 | 4 | 1 | 174.25 | 268 |
| 174.20 | | 2 | 8 | 1 | | | | | | 1 | 4 | 4 | 174.20 | 288 |
| 174.15 | 3 | 3 | 7 | 2 | | | | | | | | 2 | 174.15 | 306 |
| 174.10 | 4 | 4 | | | | | | 1 | | 1 | 1 | | 174.10 | 317 |
| 174.05 | 7 | 15 | 2 | | | | | | | | | | 174.05 | 341 |
| 174.00 | 5 | 1 | 1 | | | | | | | | | 1 | 174.00 | 349 |
| 173.95 | 4 | 1 | | | | | | | | | | | 173.95 | 354 |
| 173.90 | 3 | | 1 | | | | | | | | | | 173.90 | 358 |
| 173.85 | 1 | | | | | | | | | | | | 173.85 | 359 |
| 173.80 | 2 | | | | | | | | | 1 | | | 173.80 | 362 |
| 173.75 | | | | | | | | | | | | | 173.75 | 362 |
| 173.70 | | | | | | | | | | | | | 173.70 | 362 |
| 173.65 | 1 | | | | | | | | | | 1 | 1 | 173.65 | 365 |
| 173.60 | | | | | | | | | | | | | 173.60 | 365 |
| 173.55 | | | | | | | | | | | | | 173.55 | 365 |
| 173.50 | 1 | | | | | | | | | | | | 173.50 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 906-3085 Toledo, Ohio on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 174.08 | 174.10 | 173.95 | 174.23 | 174.41 | 174.44 | 174.57 | 174.42 | 174.47 | 174.45 | 174.95 | 174.36 |
| 2 | 174.14 | 174.07 | 174.34 | 174.18 | 174.29 | 174.44 | 174.59 | 174.46 | 174.55 | 174.31 | 174.52 | 174.36 |
| 3 | 174.14 | 174.15 | 174.30 | 174.20 | 174.39 | 174.48 | 174.26 | 174.51 | 174.39 | 174.38 | 174.29 | 174.31 |
| 4 | 174.09 | 174.02 | 174.27 | 174.29 | 174.45 | 174.50 | 174.31 | 174.51 | 174.60 | 174.79 | 174.12 | 174.32 |
| 5 | 174.10 | 174.11 | 174.25 | 174.28 | 174.48 | 174.48 | 174.30 | 174.56 | 174.56 | 174.58 | 174.30 | 174.04 |
| 6 | 174.02 | 174.08 | 174.35 | 174.32 | 174.50 | 174.44 | 174.40 | 174.59 | 174.50 | 174.48 | 174.31 | 174.21 |
| 7 | 174.06 | 174.08 | 174.22 | 174.26 | 174.47 | 174.43 | 174.40 | 174.59 | 174.48 | 174.49 | 174.46 | 174.24 |
| 8 | 174.17 | 174.08 | 174.19 | 174.32 | 174.56 | 174.44 | 174.34 | 174.42 | 174.39 | 174.46 | 174.41 | 174.43 |
| 9 | 173.93 | 174.06 | 174.24 | 174.33 | 174.48 | 174.48 | 174.35 | 174.51 | 174.50 | 174.18 | 174.38 | 174.53 |
| 10 | 174.00 | 174.11 | 174.18 | 174.40 | 174.45 | 174.45 | 174.35 | 174.50 | 174.33 | 174.30 | 174.29 | 174.52 |
| 11 | 173.95 | 174.10 | 174.02 | 174.30 | 174.48 | 174.45 | 174.42 | 174.55 | 174.57 | 174.29 | 174.36 | 174.52 |
| 12 | 173.99 | 174.18 | 174.06 | 174.35 | 174.44 | 174.44 | 174.33 | 174.56 | 174.55 | 174.12 | 174.25 | 174.50 |
| 13 | 174.06 | 174.10 | 174.08 | 174.41 | 174.46 | 174.42 | 174.43 | 174.62 | 174.56 | 174.23 | 173.67 | 174.54 |
| 14 | 173.91 | 174.10 | 174.18 | 174.34 | 174.48 | 174.44 | 174.41 | 174.70 | 174.50 | 174.47 | 174.21 | 174.48 |
| 15 | 174.02 | 174.18 | 174.20 | 174.46 | 174.49 | 174.66 | 174.51 | 174.74 | 174.49 | 174.43 | 174.34 | 174.48 |
| 16 | 173.82 | 173.99 | 174.19 | 174.33 | 174.49 | 174.56 | 174.53 | 174.55 | 174.49 | 173.83 | 174.38 | 174.34 |
| 17 | 173.67 | 174.24 | 174.20 | 174.36 | 174.38 | 174.37 | 174.46 | 174.53 | 174.41 | 174.28 | 174.48 | 174.34 |
| 18 | 173.81 | 174.26 | 174.58 | 174.51 | 174.52 | 174.35 | 174.46 | 174.43 | 174.34 | 174.27 | 174.56 | 174.46 |
| 19 | 173.90 | 174.09 | 174.36 | 174.46 | 174.50 | 174.37 | 174.52 | 174.52 | 174.51 | 174.33 | 174.65 | 174.41 |
| 20 | 174.00 | 174.10 | 174.23 | 174.40 | 174.46 | 174.44 | 174.44 | 174.52 | 174.54 | 174.32 | 174.60 | 174.19 |
| 21 | 173.97 | 174.12 | 174.29 | 174.39 | 174.46 | 174.41 | 174.62 | 174.51 | 174.50 | 174.34 | 174.45 | 174.43 |
| 22 | 174.20 | 174.22 | 174.48 | 174.29 | 174.43 | 174.39 | 174.70 | 174.54 | 174.49 | 174.40 | 174.72 | 174.30 |
| 23 | 174.02 | 174.32 | 174.26 | 174.45 | 174.44 | 174.48 | 174.66 | 174.52 | 174.66 | 174.35 | 174.35 | 174.23 |
| 24 | 173.54 | 174.35 | 174.25 | 174.40 | 174.55 | 174.35 | 174.67 | 174.50 | 174.77 | 174.37 | 174.56 | 174.16 |
| 25 | 174.16 | 174.16 | 174.22 | 174.39 | 174.51 | 174.46 | 174.56 | 174.47 | 174.64 | 174.36 | 174.60 | 173.66 |
| 26 | 174.09 | 174.08 | 174.29 | 174.44 | 174.44 | 174.42 | 174.49 | 174.46 | 174.58 | 174.32 | 174.25 | 174.22 |
| 27 | 174.11 | 174.07 | 174.20 | 174.46 | 174.40 | 174.40 | 174.53 | 174.55 | 174.28 | 174.37 | 174.42 | 174.44 |
| 28 | 174.11 | 174.07 | 174.23 | 174.45 | 174.41 | 174.47 | 174.50 | 174.35 | 174.35 | 174.34 | 174.44 | 174.42 |
| 29 | 174.04 | 174.09 | 174.29 | 174.40 | 174.51 | 174.40 | 174.49 | 174.29 | 174.47 | 174.37 | 174.29 | 174.42 |
| 30 | 174.03 | | 174.33 | 174.45 | 174.51 | 174.46 | 174.85 | 174.15 | 174.50 | 174.48 | 174.25 | 174.44 |
| 31 | 174.09 | | 174.24 | | 174.42 | | 174.68 | 174.35 | | 174.53 | | 174.37 |
| Mean | 174.01 | 174.13 | 174.24 | 174.36 | 174.46 | 174.44 | 174.49 | 174.50 | 174.50 | 174.36 | 174.40 | 174.34 |
| Max.
Hr.
Day | 174.51
0200
14 | 174.52
1400
21 | 174.97
2200
18 | 174.67
1100
18 | 174.82
1500
8 | 174.80
0700
15 | 175.18
2100
30 | 174.85
0900
15 | 174.90
2100
24 | 175.02
0700
4 | 175.19
2100
1 | 174.74
2000
16 |
| Min.
Hr.
Day | 173.08
0500
24 | 173.72
0500
21 | 173.62
0900
1 | 174.00
1400
2 | 174.01
1100
3 | 174.08
0800
24 | 174.02
0500
5 | 174.04
0600
30 | 173.97
1200
27 | 173.17
2100
16 | 172.85
0500
13 | 173.12
1800
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.35

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 906-3090 Fermi Power Plant, Stony Point, Michigan on Lake Erie

HIGHEST

Monthly mean elevation: 174.50 Sep
Daily mean elevation: 174.79 1 Nov
Instant/hourly elevation: 177.35 2100/13 Oct

LOWEST

Monthly mean elevation: 174.01 Jan
Daily mean elevation: 173.59 24 Jan
Instant/hourly elevation: 173.01 0400/13 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.18 | 174.29 | 174.44 | 174.45 | 174.51 | 174.58 | 174.75 | 174.65 | 174.71 | 174.66 | 174.79 | 174.52 |
| Day | 22 | 24 | 18 | 18 | 8 | 15 | 30 | 15 | 24 | 4 | 1 | 9 |
| Min | 173.59 | 173.99 | 173.99 | 174.16 | 174.34 | 174.35 | 174.31 | 174.25 | 174.33 | 173.90 | 173.78 | 173.84 |
| Day | 24 | 16 | 11 | 2 | 2 | 24 | 5 | 30 | 27 | 16 | 13 | 25 |

| ~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~ | | | | | | | | | | | | | Elev.
(ft.) | No. of days
above elev. |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | |
| 174.75 | | | | | | | | | | | 1 | | 174.75 | 1 |
| 174.70 | | | | | | | 1 | | 1 | | | | 174.70 | 3 |
| 174.65 | | | | | | | | | | 1 | | | 174.65 | 4 |
| 174.60 | | | | | | | 3 | 2 | 1 | | 1 | | 174.60 | 11 |
| 174.55 | | | | | | 1 | 3 | 3 | 5 | | 3 | | 174.55 | 26 |
| 174.50 | | | | | 1 | 1 | 6 | 14 | 9 | 1 | 2 | 2 | 174.50 | 62 |
| 174.45 | | | | | 10 | 6 | 5 | 7 | 5 | 6 | 2 | 5 | 174.45 | 108 |
| 174.40 | | | 1 | 9 | 17 | 16 | 5 | 1 | 5 | 2 | 5 | 6 | 174.40 | 175 |
| 174.35 | | | 1 | 6 | 2 | 5 | 5 | 1 | 3 | 5 | 3 | 6 | 174.35 | 212 |
| 174.30 | | | 1 | 6 | 1 | 1 | 3 | 2 | 1 | 10 | 4 | 4 | 174.30 | 245 |
| 174.25 | | 2 | 7 | 6 | | | | | | 4 | 6 | 2 | 174.25 | 272 |
| 174.20 | | 1 | 10 | 2 | | | | 1 | | | 1 | 3 | 174.20 | 290 |
| 174.15 | 2 | 5 | 6 | 1 | | | | | | 1 | 1 | 1 | 174.15 | 307 |
| 174.10 | 2 | 3 | | | | | | | | | | | 174.10 | 312 |
| 174.05 | 9 | 14 | 2 | | | | | | | | | 1 | 174.05 | 338 |
| 174.00 | 9 | 2 | 2 | | | | | | | | | | 174.00 | 351 |
| 173.95 | 3 | 2 | 1 | | | | | | | | | | 173.95 | 357 |
| 173.90 | 1 | | | | | | | | | | | | 173.90 | 358 |
| 173.85 | 1 | | | | | | | | | 1 | | | 173.85 | 360 |
| 173.80 | 2 | | | | | | | | | | | 1 | 173.80 | 363 |
| 173.75 | | | | | | | | | | | 1 | | 173.75 | 364 |
| 173.70 | 1 | | | | | | | | | | | | 173.70 | 365 |
| 173.65 | | | | | | | | | | | | | 173.65 | 365 |
| 173.60 | | | | | | | | | | | | | 173.60 | 365 |
| 173.55 | 1 | | | | | | | | | | | | 173.55 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 906-3090 Fermi Power Plant, Stony Point, Michigan on Lake Erie

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 174.07 | 174.08 | 174.03 | 174.21 | 174.45 | 174.43 | 174.53 | 174.45 | 174.48* | 174.46 | 174.79 | 174.39 |
| 2 | 174.12 | 174.07 | 174.29 | 174.16 | 174.34 | 174.43 | 174.56 | 174.49 | 174.56 | 174.34 | 174.54 | 174.38 |
| 3 | 174.12 | 174.13 | 174.25 | 174.23 | 174.39 | 174.46 | 174.31 | 174.51 | 174.42 | 174.38 | 174.30 | 174.32 |
| 4 | 174.07 | 174.00 | 174.23 | 174.28 | 174.43 | 174.48 | 174.35 | 174.50 | 174.56 | 174.66 | 174.17 | 174.34 |
| 5 | 174.08 | 174.09 | 174.22 | 174.27 | 174.45 | 174.48 | 174.31 | 174.55 | 174.55 | 174.52 | 174.30 | 174.07 |
| 6 | 174.02 | 174.10 | 174.31 | 174.32 | 174.47 | 174.43 | 174.38 | 174.58 | 174.51 | 174.47 | 174.29 | 174.26 |
| 7 | 174.05 | 174.07 | 174.20 | 174.27 | 174.45 | 174.43 | 174.41 | 174.58 | 174.49 | 174.48 | 174.43 | 174.26 |
| 8 | 174.16 | 174.05 | 174.19 | 174.31 | 174.51 | 174.42 | 174.37 | 174.47 | 174.42 | 174.48 | 174.41 | 174.42 |
| 9 | 173.97 | 174.05 | 174.24 | 174.30 | 174.46 | 174.45 | 174.36 | 174.51 | 174.51 | 174.26 | 174.39 | 174.52 |
| 10 | 174.01 | 174.12 | 174.09 | 174.37 | 174.44 | 174.43 | 174.36 | 174.51 | 174.36 | 174.33 | 174.33 | 174.51 |
| 11 | 173.98 | 174.08 | 173.99 | 174.30 | 174.47 | 174.44 | 174.42 | 174.54 | 174.54 | 174.30 | 174.35 | 174.48 |
| 12 | 174.04 | 174.16 | 174.05 | 174.30 | 174.44 | 174.43 | 174.37 | 174.55 | 174.54 | 174.17 | 174.27 | 174.47 |
| 13 | 174.07 | 174.09 | 174.08 | 174.36 | 174.43 | 174.42 | 174.42 | 174.58 | 174.56 | 174.38 | 173.78 | 174.50 |
| 14 | 173.81 | 174.09 | 174.17 | 174.32 | 174.45 | 174.41 | 174.41 | 174.64 | 174.51 | 174.46 | 174.23 | 174.46 |
| 15 | 174.03 | 174.16 | 174.16 | 174.41 | 174.46 | 174.58 | 174.49 | 174.65 | 174.50 | 174.42 | 174.33 | 174.48 |
| 16 | 173.89 | 173.99 | 174.21 | 174.34 | 174.47 | 174.51 | 174.52 | 174.54 | 174.51 | 173.90 | 174.40 | 174.38 |
| 17 | 173.73 | 174.20 | 174.20 | 174.33 | 174.41 | 174.44 | 174.46 | 174.53 | 174.44 | 174.27 | 174.44 | 174.35 |
| 18 | 173.82 | 174.22 | 174.44 | 174.45 | 174.45 | 174.43 | 174.47 | 174.46 | 174.37 | 174.28 | 174.49 | 174.45 |
| 19 | 173.94 | 174.10 | 174.28 | 174.42 | 174.48 | 174.36 | 174.52 | 174.51 | 174.50 | 174.31 | 174.57 | 174.42 |
| 20 | 174.01 | 174.14 | 174.22 | 174.39 | 174.44 | 174.39 | 174.45 | 174.52 | 174.54 | 174.40 | 174.56 | 174.21 |
| 21 | 173.96 | 174.10 | 174.26 | 174.40 | 174.45 | 174.39 | 174.57 | 174.51 | 174.53 | 174.34 | 174.47 | 174.44 |
| 22 | 174.18 | 174.20 | 174.37 | 174.32 | 174.43 | 174.40 | 174.63 | 174.53 | 174.45 | 174.39 | 174.65 | 174.32 |
| 23 | 174.03 | 174.26 | 174.25 | 174.43 | 174.41 | 174.48 | 174.60 | 174.52 | 174.58 | 174.37 | 174.36 | 174.23 |
| 24 | 173.59 | 174.29 | 174.25 | 174.38 | 174.46 | 174.35 | 174.62 | 174.50 | 174.71 | 174.35 | 174.52 | 174.21 |
| 25 | 174.10 | 174.16 | 174.24 | 174.37 | 174.48 | 174.46 | 174.55 | 174.48 | 174.62 | 174.35 | 174.56 | 173.84 |
| 26 | 174.08 | 174.09 | 174.28 | 174.42 | 174.41 | 174.42 | 174.50 | 174.46 | 174.58 | 174.33 | 174.30 | 174.20 |
| 27 | 174.10 | 174.09 | 174.16 | 174.42 | 174.40 | 174.40 | 174.52 | 174.52 | 174.33 | 174.35 | 174.42 | 174.43 |
| 28 | 174.10 | 174.09 | 174.21 | 174.43 | 174.41 | 174.46 | 174.52 | 174.34 | 174.37 | 174.35 | 174.45 | 174.40 |
| 29 | 174.05 | 174.06 | 174.28 | 174.43 | 174.47 | 174.41 | 174.49 | 174.33 | 174.45 | 174.35 | 174.33 | 174.40 |
| 30 | 174.04 | | 174.30 | 174.43 | 174.49 | 174.43 | 174.75 | 174.25 | 174.48 | 174.41 | 174.30 | 174.42 |
| 31 | 174.07 | | 174.26 | | 174.42 | | 174.61 | 174.37 | | 174.46 | | 174.36 |
| Mean | 174.01 | 174.12 | 174.22 | 174.35 | 174.44 | 174.44 | 174.48 | 174.50 | 174.50 | 174.36 | 174.39 | 174.35 |
| Max.
Hr.
Day | 174.39
0200
16 | 174.45
1400
21 | 174.71
2100
18 | 174.63
2400
10 | 175.06
1900
31 | 174.69
0600
15 | 175.05
2100
30 | 174.73
1100
15 | 174.82
2200
24 | 177.35
2100
13 | 175.07
2100
1 | 174.69
2100
9 |
| Min.
Hr.
Day | 173.18
1600
14 | 173.75
0400
21 | 173.72
0900
11 | 173.99
1100
2 | 174.07
1200
3 | 174.09
0800
24 | 174.10
1900
5 | 174.10
0100
29 | 174.02
1600
27 | 173.27
2200
16 | 173.01
0400
13 | 173.23
1900
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.35

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 904-4020 Gibraltar, Michigan on Detroit River

HIGHEST

Monthly mean elevation: 174.62 Sep
Daily mean elevation: 174.81 1 Nov
Instant/hourly elevation: 175.09 2100/22 Nov

LOWEST

Monthly mean elevation: 174.11 Jan
Daily mean elevation: 173.74 24 Jan
Instant/hourly elevation: 173.41 1600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.27 | 174.34 | 174.48 | 174.50 | 174.55 | 174.64 | 174.80 | 174.73 | 174.80 | 174.73 | 174.81 | 174.60 |
| Day | 22 | 24 | 18 | 29 | 30 | 15 | 30 | 15 | 24 | 4 | 1 | 10 |
| Min | 173.74 | 174.07 | 174.06 | 174.22 | 174.40 | 174.43 | 174.40 | 174.42 | 174.49 | 174.10 | 173.99 | 174.06 |
| Day | 24 | 16 | 11 | 2 | 2 | 24 | 5 | 30 | 27 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 174.80 | | | | | | | | | | | 1 | | 174.80 | 1 |
| 174.75 | | | | | | | 1 | | 1 | | | | 174.75 | 3 |
| 174.70 | | | | | | | | 2 | 1 | 1 | | | 174.70 | 7 |
| 174.65 | | | | | | | 4 | 3 | 9 | | 1 | | 174.65 | 24 |
| 174.60 | | | | | | 1 | 7 | 13 | 8 | 1 | 4 | | 174.60 | 58 |
| 174.55 | | | | | | 2 | 7 | 9 | 5 | 5 | 3 | 4 | 174.55 | 93 |
| 174.50 | | | | | 12 | 9 | 1 | | 4 | 3 | 3 | 7 | 174.50 | 132 |
| 174.45 | | | 1 | 9 | 16 | 16 | 7 | 3 | 2 | 5 | 5 | 7 | 174.45 | 203 |
| 174.40 | | | | 6 | 2 | 2 | 3 | 1 | | 11 | 5 | 5 | 174.40 | 238 |
| 174.35 | | | 2 | 8 | 1 | | | | | 3 | 5 | 1 | 174.35 | 259 |
| 174.30 | | 1 | 11 | 4 | | | 1 | | | 1 | 1 | 4 | 174.30 | 281 |
| 174.25 | 1 | 3 | 9 | 2 | | | | | | | 1 | 1 | 174.25 | 298 |
| 174.20 | 1 | 6 | 3 | 1 | | | | | | | | | 174.20 | 309 |
| 174.15 | 7 | 11 | | | | | | | | | | 1 | 174.15 | 328 |
| 174.10 | 12 | 6 | 4 | | | | | | | | | | 174.10 | 350 |
| 174.05 | 5 | 2 | 1 | | | | | | | 1 | | 1 | 174.05 | 360 |
| 174.00 | 1 | | | | | | | | | | | | 174.00 | 361 |
| 173.95 | | | | | | | | | | | 1 | | 173.95 | 362 |
| 173.90 | 1 | | | | | | | | | | | | 173.90 | 363 |
| 173.85 | 2 | | | | | | | | | | | | 173.85 | 365 |
| 173.80 | | | | | | | | | | | | | 173.80 | 365 |
| 173.75 | | | | | | | | | | | | | 173.75 | 365 |
| 173.70 | 1 | | | | | | | | | | | | 173.70 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 904-4020 Gibraltar, Michigan on Detroit River

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 174.15 | 174.14 | 174.13 | 174.27 | 174.51 | 174.48 | 174.59 | 174.56 | 174.58 | 174.57 | 174.81 | 174.48 |
| 2 | 174.20 | 174.16 | 174.35 | 174.22 | 174.40 | 174.49 | 174.63 | 174.60 | 174.68 | 174.47 | 174.64 | 174.48 |
| 3 | 174.20 | 174.20 | 174.31 | 174.30 | 174.45 | 174.52 | 174.41 | 174.60 | 174.54 | 174.50 | 174.40 | 174.41 |
| 4 | 174.15 | 174.07 | 174.29 | 174.33 | 174.48 | 174.54 | 174.45 | 174.59 | 174.66 | 174.73 | 174.28 | 174.44 |
| 5 | 174.16 | 174.16 | 174.28 | 174.33 | 174.50 | 174.54 | 174.40 | 174.64 | 174.66 | 174.61 | 174.39 | 174.18 |
| 6 | 174.11 | 174.18 | 174.36 | 174.38 | 174.52 | 174.50 | 174.47 | 174.67 | 174.62 | 174.57 | 174.37 | 174.37 |
| 7 | 174.12 | 174.15 | 174.27 | 174.33 | 174.51 | 174.49 | 174.50 | 174.67 | 174.61 | 174.57 | 174.49 | 174.34 |
| 8 | 174.24 | 174.11 | 174.26 | 174.36 | 174.55 | 174.49 | 174.47 | 174.58 | 174.55 | 174.60 | 174.49 | 174.49 |
| 9 | 174.07 | 174.13 | 174.31 | 174.36 | 174.51 | 174.51 | 174.45 | 174.61 | 174.64 | 174.42 | 174.49 | 174.60 |
| 10 | 174.09 | 174.23 | 174.14 | 174.42 | 174.50 | 174.50 | 174.46 | 174.62 | 174.52 | 174.45 | 174.44 | 174.60 |
| 11 | 174.08 | 174.14 | 174.06 | 174.37 | 174.53 | 174.50 | 174.50 | 174.63 | 174.65 | 174.42 | 174.43 | 174.54 |
| 12 | 174.15 | 174.22 | 174.12 | 174.34 | 174.50 | 174.50 | 174.47 | 174.64 | 174.66 | 174.31 | 174.40 | 174.54 |
| 13 | 174.15 | 174.16 | 174.15 | 174.41 | 174.48 | 174.49 | 174.51 | 174.67 | 174.67 | 174.37 | 173.99 | 174.57 |
| 14 | 173.89 | 174.16 | 174.24 | 174.37 | 174.50 | 174.47 | 174.50 | 174.72 | 174.63 | 174.56 | 174.34 | 174.54 |
| 15 | 174.12 | 174.23 | 174.21 | 174.45 | 174.52 | 174.64 | 174.57 | 174.73 | 174.62 | 174.53 | 174.41 | 174.56 |
| 16 | 174.03 | 174.07 | 174.30 | 174.40 | 174.53 | 174.58 | 174.61 | 174.64 | 174.64 | 174.10 | 174.51 | 174.48 |
| 17 | 173.90 | 174.26 | 174.26 | 174.38 | 174.47 | 174.53 | 174.56 | 174.64 | 174.58 | 174.38 | 174.52 | 174.43 |
| 18 | 173.94 | 174.27 | 174.48 | 174.49 | 174.49 | 174.54 | 174.57 | 174.57 | 174.52 | 174.38 | 174.56 | 174.53 |
| 19 | 174.07 | 174.18 | 174.33 | 174.47 | 174.53 | 174.44 | 174.62 | 174.60 | 174.61 | 174.42 | 174.63 | 174.51 |
| 20 | 174.12 | 174.22 | 174.28 | 174.45 | 174.50 | 174.46 | 174.56 | 174.62 | 174.66 | 174.52 | 174.64 | 174.30 |
| 21 | 174.10 | 174.16 | 174.32 | 174.46 | 174.50 | 174.46 | 174.65 | 174.62 | 174.66 | 174.43 | 174.56 | 174.54 |
| 22 | 174.27 | 174.25 | 174.40 | 174.40 | 174.49 | 174.48 | 174.70 | 174.63 | 174.57 | 174.49 | 174.70 | 174.42 |
| 23 | 174.14 | 174.30 | 174.31 | 174.48 | 174.46 | 174.57 | 174.68 | 174.62 | 174.68 | 174.47 | 174.46 | 174.35 |
| 24 | 173.74 | 174.34 | 174.31 | 174.43 | 174.48 | 174.43 | 174.70 | 174.61 | 174.80 | 174.44 | 174.59 | 174.31 |
| 25 | 174.20 | 174.21 | 174.30 | 174.43 | 174.52 | 174.53 | 174.64 | 174.60 | 174.73 | 174.45 | 174.62 | 174.06 |
| 26 | 174.16 | 174.17 | 174.34 | 174.47 | 174.47 | 174.50 | 174.60 | 174.58 | 174.69 | 174.44 | 174.42 | 174.33 |
| 27 | 174.19 | 174.16 | 174.21 | 174.47 | 174.46 | 174.47 | 174.62 | 174.62 | 174.49 | 174.44 | 174.50 | 174.53 |
| 28 | 174.17 | 174.17 | 174.27 | 174.49 | 174.47 | 174.54 | 174.62 | 174.48 | 174.50 | 174.44 | 174.53 | 174.48 |
| 29 | 174.13 | 174.12 | 174.34 | 174.50 | 174.53 | 174.49 | 174.58 | 174.47 | 174.56 | 174.43 | 174.44 | 174.49 |
| 30 | 174.12 | | 174.35 | 174.49 | 174.55 | 174.51 | 174.80 | 174.42 | 174.59 | 174.48 | 174.40 | 174.50 |
| 31 | 174.14 | | 174.32 | | 174.45 | | 174.68 | 174.49 | | 174.52 | | 174.44 |
| Mean | 174.11 | 174.18 | 174.28 | 174.40 | 174.50 | 174.51 | 174.57 | 174.60 | 174.62 | 174.47 | 174.48 | 174.45 |
| Max.
Hr.
Day | 174.44
0200
16 | 174.49
1400
21 | 174.73
2200
18 | 174.71
0200
11 | 174.74
1700
8 | 174.76
0500
18 | 175.04
2200
30 | 174.81
0800
11 | 174.88
2100
27 | 174.90
0700
4 | 175.09
2100
22 | 174.77
2100
9 |
| Min.
Hr.
Day | 173.41
1600
14 | 173.85
0400
21 | 173.81
0900
11 | 174.05
1100
2 | 174.12
1200
3 | 174.21
0800
24 | 174.19
1900
5 | 174.27
0100
29 | 174.23
1700
27 | 173.58
2200
16 | 173.45
0500
13 | 173.50
1900
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.43

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 904-4030 Wyandotte, Michigan on Detroit River

HIGHEST

Monthly mean elevation: 174.94 Sep
Daily mean elevation: 175.08 24 Sep
Instant/hourly elevation: 175.23 2200/1 Nov

LOWEST

Monthly mean elevation: 174.54 Jan
Daily mean elevation: 174.40 24 Jan
Instant/hourly elevation: 174.28 2000/25 Dec

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.65 | 174.66 | 174.78 | 174.88 | 174.88 | 174.92 | 175.06 | 175.02 | 175.08 | 174.99 | 175.04 | 174.89 |
| Day | 22 | 24 | 18 | 27 | 30 | 15 | 30 | 15 | 24 | 4 | 1 | 13 |
| Min | 174.40 | 174.50 | 174.53 | 174.63 | 174.78 | 174.82 | 174.79 | 174.78 | 174.85 | 174.61 | 174.54 | 174.52 |
| Day | 24 | 21 | 1 | 2 | 2 | 24 | 5 | 30 | 27 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.05 | | | | | | | 1 | | 1 | | | | 175.05 | 2 |
| 175.00 | | | | | | | 4 | 1 | 1 | | 1 | | 175.00 | 9 |
| 174.95 | | | | | | | 4 | 7 | 9 | 1 | 2 | | 174.95 | 32 |
| 174.90 | | | | | | 1 | 9 | 15 | 11 | 1 | 5 | | 174.90 | 74 |
| 174.85 | | | | 5 | 9 | 10 | 3 | 4 | 7 | 5 | 5 | 7 | 174.85 | 129 |
| 174.80 | | | | 6 | 21 | 19 | 6 | 3 | 1 | 7 | 7 | 11 | 174.80 | 210 |
| 174.75 | | | 1 | 3 | 1 | | 4 | 1 | | 12 | 5 | 5 | 174.75 | 242 |
| 174.70 | | | 3 | 9 | | | | | | 3 | 3 | 4 | 174.70 | 264 |
| 174.65 | | 1 | 12 | 6 | | | | | | 1 | 1 | 2 | 174.65 | 287 |
| 174.60 | 1 | 4 | 12 | 1 | | | | | | 1 | | 1 | 174.60 | 307 |
| 174.55 | 11 | 13 | 2 | | | | | | | | | | 174.55 | 333 |
| 174.50 | 12 | 9 | 1 | | | | | | | | 1 | 1 | 174.50 | 357 |
| 174.45 | 6 | 2 | | | | | | | | | | | 174.45 | 365 |
| 174.40 | | | | | | | | | | | | | 174.40 | 365 |
| 174.35 | 1 | | | | | | | | | | | | 174.35 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 904-4030 Wyandotte, Michigan on Detroit River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 174.56 | 174.59 | 174.53 | 174.66 | 174.85 | 174.84 | 174.90 | 174.92 | 174.90 | 174.89 | 175.04 | 174.82 |
| 2 | 174.58 | 174.60 | 174.68 | 174.63 | 174.78 | 174.84 | 174.93 | 174.92 | 174.96 | 174.82 | 174.94 | 174.83 |
| 3 | 174.58 | 174.62 | 174.67 | 174.67 | 174.82 | 174.85 | 174.79 | 174.94 | 174.88 | 174.84 | 174.75 | 174.78 |
| 4 | 174.55 | 174.55 | 174.66 | 174.70 | 174.84 | 174.87 | 174.79 | 174.93 | 174.95 | 174.99 | 174.69 | 174.81 |
| 5 | 174.56 | 174.60 | 174.64 | 174.70 | 174.85 | 174.87 | 174.79 | 174.96 | 174.95 | 174.92 | 174.76 | 174.64 |
| 6 | 174.53 | 174.60 | 174.69 | 174.72 | 174.86 | 174.84 | 174.83 | 174.97 | 174.93 | 174.88 | 174.75 | 174.73 |
| 7 | 174.54 | 174.57 | 174.65 | 174.68 | 174.85 | 174.85 | 174.83 | 174.97 | 174.94 | 174.88 | 174.83 | 174.74 |
| 8 | 174.60 | 174.55 | 174.65 | 174.72 | 174.88 | 174.85 | 174.82 | 174.90 | 174.90 | 174.89 | 174.82 | 174.82 |
| 9 | 174.50 | 174.55 | 174.68 | 174.71 | 174.86 | 174.86 | 174.80 | 174.93 | 174.96 | 174.77 | 174.82 | 174.88 |
| 10 | 174.52 | 174.59 | 174.64 | 174.75 | 174.85 | 174.84 | 174.81 | 174.93 | 174.89 | 174.78 | 174.77 | 174.89 |
| 11 | 174.51 | 174.54 | 174.59 | 174.72 | 174.86 | 174.84 | 174.85 | 174.95 | 174.98 | 174.76 | 174.78 | 174.86 |
| 12 | 174.53 | 174.58 | 174.61 | 174.70 | 174.84 | 174.84 | 174.82 | 174.96 | 174.98 | 174.68 | 174.77 | 174.87 |
| 13 | 174.54 | 174.52 | 174.62 | 174.75 | 174.84 | 174.83 | 174.86 | 174.98 | 174.98 | 174.72 | 174.54 | 174.89 |
| 14 | 174.47 | 174.50 | 174.66 | 174.73 | 174.84 | 174.84 | 174.88 | 175.00 | 174.95 | 174.85 | 174.75 | 174.87 |
| 15 | 174.57 | 174.58 | 174.65 | 174.77 | 174.85 | 174.92 | 174.93 | 175.02 | 174.95 | 174.86 | 174.81 | 174.87 |
| 16 | 174.50 | 174.54 | 174.67 | 174.75 | 174.85 | 174.89 | 174.96 | 174.96 | 174.95 | 174.61 | 174.86 | 174.79 |
| 17 | 174.48 | 174.62 | 174.66 | 174.75 | 174.81 | 174.86 | 174.93 | 174.95 | 174.91 | 174.73 | 174.89 | 174.79 |
| 18 | 174.48 | 174.62 | 174.78 | 174.82 | 174.85 | 174.87 | 174.94 | 174.90 | 174.87 | 174.75 | 174.91 | 174.84 |
| 19 | 174.50 | 174.56 | 174.72 | 174.81 | 174.86 | 174.83 | 174.96 | 174.92 | 174.93 | 174.79 | 174.95 | 174.83 |
| 20 | 174.55 | 174.54 | 174.67 | 174.80 | 174.84 | 174.84 | 174.93 | 174.94 | 174.96 | 174.83 | 174.95 | 174.71 |
| 21 | 174.56 | 174.50 | 174.68 | 174.82 | 174.84 | 174.83 | 174.99 | 174.93 | 174.96 | 174.80 | 174.87 | 174.85 |
| 22 | 174.65 | 174.56 | 174.75 | 174.78 | 174.83 | 174.84 | 175.02 | 174.94 | 174.92 | 174.83 | 174.97 | 174.77 |
| 23 | 174.58 | 174.61 | 174.64 | 174.84 | 174.83 | 174.89 | 175.01 | 174.93 | 175.00 | 174.80 | 174.86 | 174.75 |
| 24 | 174.40 | 174.66 | 174.61 | 174.84 | 174.87 | 174.82 | 175.01 | 174.92 | 175.08 | 174.80 | 174.93 | 174.70 |
| 25 | 174.58 | 174.59 | 174.60 | 174.84 | 174.87* | 174.87 | 174.97 | 174.90 | 175.03 | 174.80 | 174.96 | 174.52 |
| 26 | 174.55 | 174.55 | 174.65 | 174.87 | 174.83 | 174.85 | 174.94 | 174.90 | 174.99 | 174.79 | 174.83 | 174.70 |
| 27 | 174.57 | 174.54 | 174.63 | 174.88 | 174.82 | 174.84 | 174.95 | 174.93 | 174.85 | 174.80 | 174.85 | 174.84 |
| 28 | 174.55 | 174.56 | 174.65 | 174.87 | 174.83 | 174.87 | 174.94 | 174.85 | 174.86 | 174.79 | 174.88 | 174.80 |
| 29 | 174.54 | 174.56 | 174.70 | 174.86 | 174.86 | 174.84 | 174.92 | 174.83 | 174.90 | 174.78 | 174.81 | 174.81 |
| 30 | 174.55 | | 174.71 | 174.86 | 174.88 | 174.86 | 175.06 | 174.78 | 174.92 | 174.81 | 174.78 | 174.83 |
| 31 | 174.58 | | 174.68 | | 174.83 | | 175.02 | 174.85 | | 174.84 | | 174.82 |
| Mean | 174.54 | 174.57 | 174.66 | 174.77 | 174.84 | 174.85 | 174.91 | 174.92 | 174.94 | 174.81 | 174.84 | 174.79 |
| Max.
Hr.
Day | 174.71
0300
16 | 174.70
0800
15 | 174.92
2200
18 | 174.93
2300
23 | 174.96
0400
3 | 175.02
2000
23 | 175.21
2300
30 | 175.05
1200
15 | 175.12
2200
24 | 175.09
0800
4 | 175.23
2200
1 | 174.97
2200
9 |
| Min.
Hr.
Day | 174.28
1600
14 | 174.33
0500
21 | 174.43
1000
1 | 174.56
1200
2 | 174.65
1800
2 | 174.71
0900
24 | 174.67
2100
3 | 174.72
1500
30 | 174.71
1300
27 | 174.33
2100
16 | 174.29
0300
13 | 174.28
2000
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.79

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 904-4036 Fort Wayne, Detroit, Michigan on Detroit River

HIGHEST

Monthly mean elevation: 175.06 Sep
Daily mean elevation: 175.17 24 Sep
Instant/hourly elevation: 175.38 2000/5 Sep

LOWEST

Monthly mean elevation: 174.70 Jan
Daily mean elevation: 174.59 24 Jan
Instant/hourly elevation: 174.50 2100/25 Dec

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 174.81 | 174.77 | 174.89 | 175.01 | 174.99 | 175.01 | 175.15 | 175.12 | 175.17 | 175.09 | 175.11 | 175.00 |
| Day | 22 | 24 | 18 | 28 | 30 | 15 | 30 | 15 | 24 | 4 | 1 | 13 |
| Min | 174.59 | 174.63 | 174.68 | 174.77 | 174.91 | 174.94 | 174.91 | 174.91 | 174.97 | 174.76 | 174.72 | 174.67 |
| Day | 24 | 21 | 1 | 2 | 2 | 13 | 4 | 30 | 27 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.15 | | | | | | | | | 1 | | | | 175.15 | 1 |
| 175.10 | | | | | | | 6 | 2 | 2 | | 1 | | 175.10 | 12 |
| 175.05 | | | | | | | 9 | 9 | 13 | 1 | 4 | | 175.05 | 48 |
| 175.00 | | | | 3 | | 1 | 5 | 16 | 10 | 2 | 5 | | 175.00 | 90 |
| 174.95 | | | | 5 | 22 | 25 | 2 | 3 | 4 | 6 | 5 | 10 | 174.95 | 172 |
| 174.90 | | | | 5 | 9 | 4 | 9 | 1 | | 13 | 6 | 12 | 174.90 | 231 |
| 174.85 | | | 2 | 5 | | | | | | 6 | 7 | 4 | 174.85 | 255 |
| 174.80 | 1 | | 4 | 9 | | | | | | 2 | 1 | 3 | 174.80 | 275 |
| 174.75 | 3 | 3 | 19 | 3 | | | | | | 1 | | 1 | 174.75 | 305 |
| 174.70 | 8 | 14 | 5 | | | | | | | | 1 | | 174.70 | 333 |
| 174.65 | 14 | 11 | 1 | | | | | | | | | 1 | 174.65 | 360 |
| 174.60 | 4 | 1 | | | | | | | | | | | 174.60 | 365 |
| 174.55 | 1 | | | | | | | | | | | | 174.55 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 904-4036 Fort Wayne, Detroit, Michigan on Detroit River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 174.69 | 174.73 | 174.68 | 174.79 | 174.97 | 174.96 | 175.01 | 175.04 | 175.03 | 175.01 | 175.11 | 174.95 |
| 2 | 174.71 | 174.73 | 174.80 | 174.77 | 174.91 | 174.96 | 175.03 | 175.04 | 175.06 | 174.95 | 175.03 | 174.96 |
| 3 | 174.71 | 174.75 | 174.79 | 174.79 | 174.95 | 174.97 | 174.92 | 175.06 | 175.00 | 174.96 | 174.87 | 174.91 |
| 4 | 174.69 | 174.70 | 174.78 | 174.82 | 174.97 | 174.98 | 174.91 | 175.05 | 175.06 | 175.09 | 174.82 | 174.94 |
| 5 | 174.70 | 174.74 | 174.77 | 174.82 | 174.97 | 174.98 | 174.92 | 175.07 | 175.07 | 175.03 | 174.88 | 174.79 |
| 6 | 174.68 | 174.73 | 174.80 | 174.83 | 174.98 | 174.96 | 174.95 | 175.08 | 175.04 | 174.99 | 174.88 | 174.86 |
| 7 | 174.68 | 174.71 | 174.78 | 174.81 | 174.97 | 174.97 | 174.95 | 175.08 | 175.05 | 174.99 | 174.95 | 174.87 |
| 8 | 174.73 | 174.70 | 174.78 | 174.83 | 174.99 | 174.97 | 174.94 | 175.02 | 175.02 | 174.99 | 174.94 | 174.94 |
| 9 | 174.64 | 174.69 | 174.81 | 174.83 | 174.97 | 174.98 | 174.92 | 175.05 | 175.07 | 174.90 | 174.93 | 174.98 |
| 10 | 174.66 | 174.72 | 174.80 | 174.86 | 174.97 | 174.96 | 174.93 | 175.05 | 175.02 | 174.90 | 174.89 | 175.00 |
| 11 | 174.65 | 174.67 | 174.75 | 174.84 | 174.97 | 174.96 | 174.97 | 175.06 | 175.10 | 174.88 | 174.89 | 174.97 |
| 12 | 174.66 | 174.75 | 174.76 | 174.82 | 174.95 | 174.95 | 174.95 | 175.07 | 175.10 | 174.81 | 174.90 | 174.98 |
| 13 | 174.67 | 174.75 | 174.77 | 174.86 | 174.96 | 174.94 | 174.99 | 175.09 | 175.09 | 174.84 | 174.72 | 175.00 |
| 14 | 174.63 | 174.76 | 174.80 | 174.85 | 174.96 | 174.95 | 175.01 | 175.11 | 175.06 | 174.96 | 174.89 | 174.98 |
| 15 | 174.72 | 174.77 | 174.80 | 174.88 | 174.97 | 175.01 | 175.06 | 175.12 | 175.06 | 174.97 | 174.94 | 174.98 |
| 16 | 174.66 | 174.70 | 174.80 | 174.87 | 174.97 | 175.00 | 175.07 | 175.07 | 175.07 | 174.76 | 174.99 | 174.91 |
| 17 | 174.64 | 174.74 | 174.80 | 174.87 | 174.93 | 174.96 | 175.06 | 175.06 | 175.03 | 174.86 | 175.02 | 174.92 |
| 18 | 174.67 | 174.75 | 174.89 | 174.93 | 174.97 | 174.97 | 175.08 | 175.02 | 175.00 | 174.88 | 175.04 | 174.96 |
| 19 | 174.76 | 174.68 | 174.84 | 174.93 | 174.97 | 174.96 | 175.08 | 175.04 | 175.05 | 174.91 | 175.06 | 174.94 |
| 20 | 174.76 | 174.67 | 174.80 | 174.93 | 174.96 | 174.96 | 175.06 | 175.05 | 175.08 | 174.95 | 175.06 | 174.84 |
| 21 | 174.78 | 174.63 | 174.80 | 174.94 | 174.96 | 174.96 | 175.11 | 175.04 | 175.08 | 174.92 | 174.98 | 174.96 |
| 22 | 174.81 | 174.68 | 174.86 | 174.91 | 174.94 | 174.97 | 175.12 | 175.04 | 175.05 | 174.95 | 175.06 | 174.90 |
| 23 | 174.75 | 174.74 | 174.75 | 174.96 | 174.96 | 175.00 | 175.12 | 175.04 | 175.11 | 174.92 | 175.00 | 174.88 |
| 24 | 174.59 | 174.77 | 174.72 | 174.97 | 174.99 | 174.95 | 175.12 | 175.03 | 175.17 | 174.92 | 175.05 | 174.84 |
| 25 | 174.74 | 174.71 | 174.71 | 174.98 | 174.98 | 174.98 | 175.08 | 175.02 | 175.13 | 174.93 | 175.07 | 174.67 |
| 26 | 174.72 | 174.71 | 174.75 | 175.01 | 174.95 | 174.97 | 175.06 | 175.01 | 175.10 | 174.91 | 174.97 | 174.82 |
| 27 | 174.70 | 174.69 | 174.76 | 175.01 | 174.94 | 174.96 | 175.06 | 175.04 | 174.97 | 174.92 | 174.98 | 174.94 |
| 28 | 174.69 | 174.70 | 174.78 | 175.01 | 174.95 | 174.99 | 175.05 | 174.98 | 174.98 | 174.91 | 175.01 | 174.91 |
| 29 | 174.68 | 174.70 | 174.82 | 174.99 | 174.97 | 174.96 | 175.04 | 174.96 | 175.02 | 174.90 | 174.94 | 174.92 |
| 30 | 174.69 | | 174.83 | 174.99 | 174.99 | 174.98 | 175.15 | 174.91 | 175.03 | 174.93 | 174.92 | 174.95 |
| 31 | 174.71 | | 174.80 | | 174.95 | | 175.14 | 174.98 | | 174.94 | | 174.94 |
| Mean | 174.70 | 174.72 | 174.79 | 174.89 | 174.96 | 174.97 | 175.03 | 175.04 | 175.06 | 174.93 | 174.96 | 174.92 |
| Max. | 174.84 | 174.86 | 174.99 | 175.04 | 175.07 | 175.10 | 175.29 | 175.15 | 175.38 | 175.16 | 175.26 | 175.05 |
| Hr. | 1200 | 0800 | 2200 | 2100 | 1500 | 2000 | 2200 | 1300 | 2000 | 0900 | 2300 | 2200 |
| Day | 22 | 15 | 18 | 30 | 23 | 23 | 30 | 15 | 5 | 4 | 1 | 9 |
| Min. | 174.51 | 174.51 | 174.58 | 174.72 | 174.79 | 174.86 | 174.82 | 174.86 | 174.86 | 174.54 | 174.52 | 174.50 |
| Hr. | 1700 | 0500 | 0900 | 1200 | 1800 | 0900 | 2100 | 1700 | 1200 | 2000 | 0200 | 2100 |
| Day | 14 | 21 | 1 | 2 | 2 | 24 | 3 | 30 | 27 | 16 | 13 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 174.91

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 904-4049 Windmill Point, Detroit, Michigan on the Detroit River

HIGHEST

Monthly mean elevation: 175.28 Sep
Daily mean elevation: 175.37 24 Sep
Instant/hourly elevation: 175.43 0800/31 Jul

LOWEST

Monthly mean elevation: 174.93 Jan
Daily mean elevation: 174.86 21 Feb
Instant/hourly elevation: 174.81 0400/21 Feb

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 175.00 | 174.99 | 175.10 | 175.28 | 175.24 | 175.21 | 175.35 | 175.32 | 175.37 | 175.28 | 175.31 | 175.21 |
| Day | 15 | 24 | 18 | 27 | 24 | 20 | 31 | 15 | 24 | 4 | 25 | 13 |
| Min | 174.88 | 174.86 | 174.91 | 175.03 | 175.15 | 175.16 | 175.12 | 175.16 | 175.22 | 175.05 | 175.04 | 174.95 |
| Day | 28 | 21 | 25 | 3 | 17 | 17 | 4 | 30 | 28 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.35 | | | | | | | | | 1 | | | | 175.35 | 1 |
| 175.30 | | | | | | | 8 | 2 | 5 | | 1 | | 175.30 | 17 |
| 175.25 | | | | 2 | | | 9 | 17 | 15 | 1 | 8 | | 175.25 | 69 |
| 175.20 | | | | 5 | 7 | 1 | 4 | 10 | 9 | 3 | 6 | 1 | 175.20 | 115 |
| 175.15 | | | | 4 | 23 | 29 | 8 | 2 | | 13 | 6 | 17 | 175.15 | 217 |
| 175.10 | | | | 3 | 1 | | 2 | | | 11 | 6 | 9 | 175.10 | 249 |
| 175.05 | | | 10 | 12 | | | | | | 2 | 2 | 3 | 175.05 | 278 |
| 175.00 | | | 15 | 4 | | | | | | 1 | 1 | | 175.00 | 299 |
| 174.95 | 6 | 16 | 2 | | | | | | | | | | 174.95 | 323 |
| 174.90 | 20 | 10 | 4 | | | | | | | | | 1 | 174.90 | 358 |
| 174.85 | 5 | 3 | | | | | | | | | | | 174.85 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 904-4049 Windmill Point, Detroit, Michigan on the Detroit River

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 174.94 | 174.97 | 174.93 | 175.04 | 175.20 | 175.20 | 175.21 | 175.28 | 175.24 | 175.24 | 175.27 | 175.18 |
| 2 | 174.95 | 174.98 | 175.02 | 175.03 | 175.16 | 175.18 | 175.22 | 175.26 | 175.26 | 175.19 | 175.20 | 175.19 |
| 3 | 174.95 | 174.98 | 175.02 | 175.03 | 175.19 | 175.19 | 175.15 | 175.28 | 175.22 | 175.20 | 175.09 | 175.18 |
| 4 | 174.94 | 174.96 | 175.02 | 175.06 | 175.21 | 175.20 | 175.12 | 175.27 | 175.26 | 175.28 | 175.09 | 175.17 |
| 5 | 174.95 | 174.98 | 175.00 | 175.06 | 175.21 | 175.19 | 175.16 | 175.28 | 175.26 | 175.24 | 175.12 | 175.10 |
| 6 | 174.94 | 174.97 | 175.01 | 175.06 | 175.21 | 175.18 | 175.18 | 175.28 | 175.25 | 175.21 | 175.14 | 175.11 |
| 7 | 174.94 | 174.98 | 175.01 | 175.04 | 175.20 | 175.19 | 175.17 | 175.28 | 175.27 | 175.20 | 175.19 | 175.13 |
| 8 | 174.96 | 174.96 | 175.02 | 175.06 | 175.21 | 175.20 | 175.16 | 175.24 | 175.25 | 175.19 | 175.17 | 175.17 |
| 9 | 174.91 | 174.96 | 175.04 | 175.06 | 175.20 | 175.20 | 175.16 | 175.27 | 175.29 | 175.12 | 175.15 | 175.18 |
| 10 | 174.92 | 174.94 | 175.09 | 175.08 | 175.20 | 175.18 | 175.16 | 175.26 | 175.26 | 175.12 | 175.11 | 175.20 |
| 11 | 174.91 | 174.92 | 175.06 | 175.06 | 175.19 | 175.18 | 175.18 | 175.28 | 175.32 | 175.12 | 175.13 | 175.20 |
| 12 | 174.89 | 174.95 | 175.07 | 175.07 | 175.18 | 175.18 | 175.18 | 175.28 | 175.32 | 175.07 | 175.12 | 175.20 |
| 13 | 174.92 | 174.95 | 175.07 | 175.08 | 175.19 | 175.17 | 175.21 | 175.30 | 175.30 | 175.08 | 175.04 | 175.21 |
| 14 | 174.96 | 174.95 | 175.07 | 175.08 | 175.18 | 175.19 | 175.24 | 175.31 | 175.29 | 175.16 | 175.17 | 175.20 |
| 15 | 175.00 | 174.98 | 175.07 | 175.09 | 175.19 | 175.20 | 175.28 | 175.32 | 175.27 | 175.18 | 175.21 | 175.18 |
| 16 | 174.93 | 174.97 | 175.04 | 175.10 | 175.18 | 175.20 | 175.29 | 175.29 | 175.28 | 175.05 | 175.23 | 175.12 |
| 17 | 174.93 | 174.99 | 175.05 | 175.11 | 175.15 | 175.16 | 175.30 | 175.27 | 175.25 | 175.11 | 175.27 | 175.16 |
| 18 | 174.94 | 174.97 | 175.10 | 175.15 | 175.21 | 175.18 | 175.31 | 175.24 | 175.22 | 175.13 | 175.28 | 175.17 |
| 19 | 174.98 | 174.92 | 175.09 | 175.16 | 175.19 | 175.20 | 175.31 | 175.26 | 175.27 | 175.16 | 175.29 | 175.16 |
| 20 | 174.97 | 174.88 | 175.04 | 175.15 | 175.19 | 175.21 | 175.30 | 175.26 | 175.29 | 175.15 | 175.28 | 175.11 |
| 21 | 174.95 | 174.86 | 175.04 | 175.17 | 175.18 | 175.19 | 175.33 | 175.24 | 175.28 | 175.17 | 175.21 | 175.16 |
| 22 | 174.96 | 174.88 | 175.08 | 175.16 | 175.17 | 175.20 | 175.33 | 175.25 | 175.29 | 175.18 | 175.26 | 175.14 |
| 23 | 174.94 | 174.94 | 174.97 | 175.19 | 175.20 | 175.20 | 175.34 | 175.24 | 175.34 | 175.15 | 175.26 | 175.13 |
| 24 | 174.88 | 174.99 | 174.92 | 175.23 | 175.24 | 175.19 | 175.32 | 175.23 | 175.37 | 175.17 | 175.28 | 175.09 |
| 25 | 174.92 | 174.96 | 174.91 | 175.24 | 175.21 | 175.20 | 175.30 | 175.22 | 175.34 | 175.17 | 175.31 | 174.95 |
| 26 | 174.91 | 174.95 | 174.95 | 175.27 | 175.19 | 175.20 | 175.28 | 175.23 | 175.31 | 175.14 | 175.24 | 175.08 |
| 27 | 174.89 | 174.94 | 175.02 | 175.28 | 175.18 | 175.20 | 175.29 | 175.26 | 175.22 | 175.16 | 175.24 | 175.15 |
| 28 | 174.88 | 174.95 | 175.03 | 175.25 | 175.18 | 175.20 | 175.26 | 175.23 | 175.22 | 175.14 | 175.25 | 175.14 |
| 29 | 174.90 | 174.96 | 175.05 | 175.22 | 175.18 | 175.18 | 175.26 | 175.20 | 175.25 | 175.14 | 175.20 | 175.15 |
| 30 | 174.91 | | 175.06 | 175.24 | 175.20 | 175.19 | 175.34 | 175.16 | 175.26 | 175.15 | 175.17 | 175.17 |
| 31 | 174.94 | | 175.04 | | 175.20 | | 175.35 | 175.22 | | 175.16 | | 175.18 |
| Mean | 174.93 | 174.95 | 175.03 | 175.13 | 175.19 | 175.19 | 175.25 | 175.26 | 175.28 | 175.16 | 175.20 | 175.15 |
| Max. | 175.12 | 175.08 | 175.17 | 175.31 | 175.34 | 175.27 | 175.43 | 175.36 | 175.40 | 175.32 | 175.36 | 175.23 |
| Hr. | 1900 | 1800 | 0900 | 1700 | 1500 | 1900 | 0800 | 0100 | 0800 | 0700 | 2400 | 0600 |
| Day | 15 | 28 | 10 | 27 | 23 | 23 | 31 | 11 | 24 | 4 | 22 | 13 |
| Min. | 174.85 | 174.81 | 174.84 | 175.01 | 175.04 | 175.08 | 175.08 | 175.11 | 175.14 | 174.90 | 174.89 | 174.87 |
| Hr. | 1700 | 0400 | 0400 | 0400 | 1700 | 2100 | 2000 | 1600 | 0800 | 2000 | 0100 | 1500 |
| Day | 12 | 21 | 1 | 3 | 17 | 17 | 4 | 30 | 27 | 16 | 13 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 175.14

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 903-4052 St. Clair Shores, Michigan on Lake St. Clair

HIGHEST

Monthly mean elevation: 175.36 Sep
Daily mean elevation: 175.44 24 Sep
Instant/hourly elevation: 175.48 0900/31 Jul

LOWEST

Monthly mean elevation: 175.01 Jan
Daily mean elevation: 174.95 21 Feb
Instant/hourly elevation: 174.87 0900/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 175.06 | 175.09 | 175.15 | 175.33 | 175.27 | 175.28 | 175.41 | 175.39 | 175.44 | 175.32 | 175.37 | 175.28 |
| Day | 15 | 24 | 18 | 27 | 1 | 23 | 31 | 15 | 24 | 4 | 25 | 13 |
| Min | 174.96 | 174.95 | 174.97 | 175.09 | 175.22 | 175.23 | 175.21 | 175.28 | 175.31 | 175.17 | 175.18 | 175.11 |
| Day | 28 | 21 | 25 | 2 | 17 | 13 | 4 | 30 | 28 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.40 | | | | | | | 4 | | 5 | | | | 175.40 | 9 |
| 175.35 | | | | | | | 13 | 15 | 12 | | 2 | | 175.35 | 51 |
| 175.30 | | | | 3 | | | 1 | 14 | 13 | 3 | 10 | | 175.30 | 95 |
| 175.25 | | | | 4 | 10 | 18 | 5 | 2 | | 7 | 7 | 9 | 175.25 | 157 |
| 175.20 | | | | 5 | 21 | 12 | 8 | | | 16 | 6 | 16 | 175.20 | 241 |
| 175.15 | | | | 2 | | | | | | 5 | 5 | 5 | 175.15 | 258 |
| 175.10 | | | 15 | 13 | | | | | | | | 1 | 175.10 | 287 |
| 175.05 | 1 | 11 | 11 | 3 | | | | | | | | | 175.05 | 313 |
| 175.00 | 17 | 15 | 3 | | | | | | | | | | 175.00 | 348 |
| 174.95 | 13 | 2 | 2 | | | | | | | | | | 174.95 | 365 |
| 174.90 | | 1 | | | | | | | | | | | 174.90 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 903-4052 St. Clair Shores, Michigan on Lake St. Clair

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 175.02 | 175.05 | 175.03 | 175.10 | 175.27 | 175.25 | 175.27 | 175.38 | 175.33 | 175.32 | 175.29 | 175.26 |
| 2 | 175.02 | 175.06 | 175.08 | 175.09 | 175.23 | 175.25 | 175.29 | 175.37 | 175.35 | 175.29 | 175.29 | 175.26 |
| 3 | 175.02 | 175.07 | 175.08 | 175.10 | 175.25 | 175.24 | 175.24 | 175.38 | 175.32 | 175.29 | 175.19 | 175.25 |
| 4 | 175.01 | 175.06 | 175.08 | 175.12 | 175.26 | 175.26 | 175.21 | 175.36 | 175.34 | 175.32 | 175.18 | 175.25 |
| 5 | 175.02 | 175.07 | 175.07 | 175.12 | 175.26 | 175.26 | 175.24 | 175.37 | 175.34 | 175.31 | 175.20 | 175.18 |
| 6 | 175.01 | 175.06 | 175.07 | 175.12 | 175.26 | 175.24 | 175.25 | 175.37 | 175.34 | 175.29 | 175.22 | 175.20 |
| 7 | 175.01 | 175.05 | 175.07 | 175.11 | 175.26 | 175.26 | 175.25 | 175.38 | 175.36 | 175.28 | 175.25 | 175.22 |
| 8 | 175.04 | 175.05 | 175.09 | 175.12 | 175.26 | 175.26 | 175.25 | 175.34 | 175.36 | 175.27 | 175.25 | 175.24 |
| 9 | 175.00 | 175.05 | 175.11 | 175.12 | 175.26 | 175.26 | 175.24 | 175.36 | 175.38 | 175.23 | 175.24 | 175.26 |
| 10 | 175.00 | 175.03 | 175.11 | 175.14 | 175.25 | 175.24 | 175.24 | 175.35 | 175.36 | 175.21 | 175.21 | 175.27 |
| 11 | 175.00 | 175.02 | 175.12 | 175.12 | 175.25 | 175.24 | 175.26 | 175.36 | 175.41 | 175.20 | 175.21 | 175.25 |
| 12 | 174.99 | 175.03 | 175.13 | 175.12 | 175.24 | 175.24 | 175.26 | 175.37 | 175.41 | 175.18 | 175.20 | 175.27 |
| 13 | 175.00 | 175.02 | 175.14 | 175.14 | 175.24 | 175.23 | 175.29 | 175.38 | 175.40 | 175.18 | 175.18 | 175.28 |
| 14 | 174.97 | 175.02 | 175.14 | 175.14 | 175.24 | 175.24 | 175.32 | 175.38 | 175.37 | 175.24 | 175.26 | 175.27 |
| 15 | 175.06 | 175.06 | 175.14 | 175.15 | 175.24 | 175.25 | 175.36 | 175.39 | 175.36 | 175.26 | 175.29 | 175.27 |
| 16 | 175.05 | 175.07 | 175.13 | 175.15 | 175.24 | 175.25 | 175.38 | 175.38 | 175.37 | 175.17 | 175.32 | 175.22 |
| 17 | 175.03 | 175.08 | 175.12 | 175.16 | 175.22 | 175.25 | 175.39 | 175.36 | 175.35 | 175.20 | 175.34 | 175.24 |
| 18 | 175.04 | 175.07 | 175.15 | 175.20 | 175.25 | 175.26 | 175.40 | 175.34 | 175.33 | 175.22 | 175.35 | 175.25 |
| 19 | 175.04 | 175.02 | 175.14 | 175.21 | 175.24 | 175.26 | 175.40 | 175.34 | 175.35 | 175.24 | 175.36 | 175.24 |
| 20 | 175.04 | 174.99 | 175.11 | 175.22 | 175.24 | 175.26 | 175.39 | 175.35 | 175.38 | 175.25 | 175.35 | 175.20 |
| 21 | 175.02 | 174.95 | 175.10 | 175.24 | 175.24 | 175.26 | 175.41 | 175.34 | 175.38 | 175.25 | 175.29 | 175.25 |
| 22 | 175.02 | 174.98 | 175.12 | 175.23 | 175.23 | 175.27 | 175.41 | 175.34 | 175.37 | 175.26 | 175.31 | 175.24 |
| 23 | 175.01 | 175.03 | 175.04 | 175.25 | 175.24 | 175.28 | 175.41 | 175.33 | 175.41 | 175.24 | 175.34 | 175.21 |
| 24 | 174.98 | 175.09 | 174.99 | 175.28 | 175.26 | 175.26 | 175.40 | 175.32 | 175.44 | 175.24 | 175.35 | 175.19 |
| 25 | 174.99 | 175.08 | 174.97 | 175.30 | 175.26 | 175.26 | 175.39 | 175.32 | 175.43 | 175.25 | 175.37 | 175.11 |
| 26 | 174.99 | 175.04 | 175.01 | 175.32 | 175.25 | 175.27 | 175.37 | 175.31 | 175.40 | 175.23 | 175.33 | 175.18 |
| 27 | 174.96 | 175.02 | 175.06 | 175.33 | 175.24 | 175.26 | 175.37 | 175.33 | 175.33 | 175.24 | 175.32 | 175.24 |
| 28 | 174.96 | 175.02 | 175.09 | 175.31 | 175.24 | 175.27 | 175.36 | 175.31 | 175.31 | 175.22 | 175.32 | 175.22 |
| 29 | 174.98 | 175.03 | 175.12 | 175.29 | 175.24 | 175.26 | 175.36 | 175.30 | 175.34 | 175.21 | 175.29 | 175.23 |
| 30 | 174.99 | | 175.12 | 175.30 | 175.26 | 175.26 | 175.40 | 175.28 | 175.34 | 175.22 | 175.27 | 175.24 |
| 31 | 175.02 | | 175.10 | | 175.25 | | 175.41 | 175.31 | | 175.22 | | 175.26 |
| Mean | 175.01 | 175.04 | 175.09 | 175.19 | 175.25 | 175.26 | 175.33 | 175.35 | 175.36 | 175.24 | 175.28 | 175.23 |
| Max. | 175.10 | 175.12 | 175.20 | 175.35 | 175.39 | 175.35 | 175.48 | 175.42 | 175.46 | 175.35 | 175.40 | 175.31 |
| Hr. | 1900 | 2300 | 0600 | 1700 | 1400 | 0100 | 0900 | 2400 | 0800 | 2400 | 1800 | 0400 |
| Day | 15 | 24 | 22 | 27 | 23 | 18 | 31 | 10 | 24 | 4 | 25 | 10 |
| Min. | 174.87 | 174.92 | 174.94 | 175.07 | 175.13 | 175.11 | 175.19 | 175.25 | 175.25 | 175.03 | 174.98 | 175.02 |
| Hr. | 0900 | 0400 | 1400 | 0200 | 1800 | 2100 | 1600 | 1600 | 0800 | 1200 | 2000 | 1800 |
| Day | 14 | 21 | 25 | 12 | 2 | 17 | 4 | 30 | 27 | 16 | 12 | 25 |

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

Annual Mean 175.22

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 901-4070 Algonac, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 175.51 Sep
Daily mean elevation: 175.61 22 Feb
Instant/hourly elevation: 175.71 0400/22 Feb

LOWEST

Monthly mean elevation: 175.24 Jan
Daily mean elevation: 175.16 2 Jan
Instant/hourly elevation: 175.14 0300/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 175.54 | 175.61 | 175.39 | 175.45 | 175.41 | 175.42 | 175.54 | 175.54 | 175.57 | 175.48 | 175.53 | 175.51 |
| Day | 18 | 22 | 23 | 26 | 2 | 18 | 20 | 30 | 10 | 1 | 26 | 25 |
| Min | 175.16 | 175.23 | 175.19 | 175.25 | 175.35 | 175.36 | 175.40 | 175.46 | 175.46 | 175.34 | 175.32 | 175.37 |
| Day | 2 | 8 | 26 | 9 | 18 | 15 | 9 | 27 | 4 | 31 | 1 | 29 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.60 | | 1 | | | | | | | | | | | 175.60 | 1 |
| 175.55 | | 1 | | | | | | | 1 | | | | 175.55 | 3 |
| 175.50 | 1 | 4 | | | | | 14 | 10 | 20 | | 1 | 1 | 175.50 | 54 |
| 175.45 | | 1 | | | | | 4 | 21 | 9 | 4 | 14 | 2 | 175.45 | 109 |
| 175.40 | 1 | 3 | | 6 | 2 | 3 | 5 | | | 12 | 4 | 17 | 175.40 | 162 |
| 175.35 | | 4 | 3 | 4 | 28 | 27 | 8 | | | 14 | 9 | 11 | 175.35 | 270 |
| 175.30 | 2 | 3 | 12 | 3 | 1 | | | | | 1 | 2 | | 175.30 | 294 |
| 175.25 | 6 | 8 | 11 | 16 | | | | | | | | | 175.25 | 335 |
| 175.20 | 4 | 4 | 4 | 1 | | | | | | | | | 175.20 | 348 |
| 175.15 | 14 | | 1 | | | | | | | | | | 175.15 | 363 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 901-4070 Algonac, Michigan on St. Clair River

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 175.18 | 175.26 | 175.26 | 175.28 | 175.41 | 175.38 | 175.40 | 175.54 | 175.48 | 175.48 | 175.32 | 175.46 |
| 2 | 175.16 | 175.27 | 175.22 | 175.26 | 175.41 | 175.38 | 175.40 | 175.54 | 175.48 | 175.47 | 175.35 | 175.46 |
| 3 | 175.17 | 175.27 | 175.22 | 175.27 | 175.40 | 175.38 | 175.40 | 175.52 | 175.48 | 175.44 | 175.37 | 175.44 |
| 4 | 175.17 | 175.27 | 175.22 | 175.26 | 175.39 | 175.37 | 175.41 | 175.51 | 175.46 | 175.42 | 175.39 | 175.45 |
| 5 | 175.18 | 175.25 | 175.29 | 175.27 | 175.38 | 175.38 | 175.40 | 175.51 | 175.47 | 175.43 | 175.39 | 175.44 |
| 6 | 175.18 | 175.25 | 175.34 | 175.26 | 175.38 | 175.38 | 175.40 | 175.50 | 175.48 | 175.43 | 175.39 | 175.45 |
| 7 | 175.19 | 175.24 | 175.35 | 175.26 | 175.38 | 175.39 | 175.40 | 175.50 | 175.50 | 175.42 | 175.38 | 175.42 |
| 8 | 175.18 | 175.23 | 175.32 | 175.26 | 175.38 | 175.39 | 175.40 | 175.53 | 175.52 | 175.42 | 175.39 | 175.40 |
| 9 | 175.18 | 175.26 | 175.27 | 175.25 | 175.38 | 175.38 | 175.40 | 175.51 | 175.53 | 175.47 | 175.39 | 175.40 |
| 10 | 175.18 | 175.30 | 175.28 | 175.26 | 175.38 | 175.38 | 175.41 | 175.51 | 175.57 | 175.41 | 175.38 | 175.40 |
| 11 | 175.19 | 175.33 | 175.32 | 175.27 | 175.37 | 175.38 | 175.41 | 175.50 | 175.54 | 175.39 | 175.36 | 175.39 |
| 12 | 175.20 | 175.32 | 175.32 | 175.27 | 175.37 | 175.37 | 175.43 | 175.50 | 175.53 | 175.41 | 175.42 | 175.41 |
| 13 | 175.17 | 175.43 | 175.32 | 175.28 | 175.36 | 175.37 | 175.44 | 175.49 | 175.52 | 175.40 | 175.50 | 175.41 |
| 14 | 175.21 | 175.41 | 175.32 | 175.27 | 175.36 | 175.36 | 175.47 | 175.50 | 175.51 | 175.38 | 175.48 | 175.41 |
| 15 | 175.22 | 175.32 | 175.30 | 175.27 | 175.37 | 175.36 | 175.50 | 175.50 | 175.51 | 175.40 | 175.48 | 175.41 |
| 16 | 175.26 | 175.30 | 175.31 | 175.29 | 175.37 | 175.38 | 175.51 | 175.50 | 175.52 | 175.45 | 175.50 | 175.43 |
| 17 | 175.43 | 175.40 | 175.28 | 175.30 | 175.38 | 175.39 | 175.52 | 175.50 | 175.51 | 175.41 | 175.47 | 175.40 |
| 18 | 175.54* | 175.53 | 175.26 | 175.33 | 175.35 | 175.42 | 175.54 | 175.50 | 175.52 | 175.42 | 175.47 | 175.40 |
| 19 | / | 175.51 | 175.26 | 175.34 | 175.37 | 175.41 | 175.54 | 175.49 | 175.51 | 175.41 | 175.46 | 175.42 |
| 20 | / | 175.52 | 175.37 | 175.34 | 175.37 | 175.40 | 175.54 | 175.48 | 175.51 | 175.46 | 175.44 | 175.43 |
| 21 | / | 175.60 | 175.34 | 175.36 | 175.37 | 175.40 | 175.53 | 175.49 | 175.53 | 175.40 | 175.43 | 175.42 |
| 22 | 175.28* | 175.61 | 175.28 | 175.39 | 175.36 | 175.40 | 175.52 | 175.48 | 175.54 | 175.40 | 175.42 | 175.41 |
| 23 | 175.28 | 175.40 | 175.39 | 175.38 | 175.36 | 175.41 | 175.52 | 175.46 | 175.54 | 175.40 | 175.49 | 175.41 |
| 24 | 175.34 | 175.37 | 175.38 | 175.40 | 175.36 | 175.40 | 175.53 | 175.46 | 175.53 | 175.39 | 175.50 | 175.43 |
| 25 | 175.26 | 175.45 | 175.26 | 175.44 | 175.38 | 175.39 | 175.52 | 175.46 | 175.54 | 175.40 | 175.50 | 175.51 |
| 26 | 175.22 | 175.52 | 175.19 | 175.45 | 175.38 | 175.40 | 175.51 | 175.46 | 175.52 | 175.40 | 175.53 | 175.40 |
| 27 | 175.20 | 175.48 | 175.23 | 175.44 | 175.38 | 175.40 | 175.51 | 175.46 | 175.53 | 175.38 | 175.48 | 175.38 |
| 28 | 175.25 | 175.36 | 175.31 | 175.44 | 175.38 | 175.40 | 175.52 | 175.50 | 175.51 | 175.38 | 175.48 | 175.37 |
| 29 | 175.32 | 175.26 | 175.28 | 175.44 | 175.37 | 175.40 | 175.50 | 175.51 | 175.50 | 175.36 | 175.50 | 175.37 |
| 30 | 175.28 | | 175.31 | 175.41 | 175.38 | 175.39 | 175.49 | 175.54 | 175.48 | 175.36 | 175.48 | 175.38 |
| 31 | 175.27 | | 175.35 | | 175.38 | | 175.51 | 175.49 | | 175.34 | | 175.45 |
| Mean | 175.24 | 175.37 | 175.30 | 175.32 | 175.38 | 175.39 | 175.47 | 175.50 | 175.51 | 175.41 | 175.44 | 175.42 |
| Max.
Hr.
Day | 175.56
0500
18 | 175.71
0400
22 | 175.44
0500
24 | 175.47
0200
27 | 175.55
1700
17 | 175.54
0400
18 | 175.58
0200
20 | 175.58
0400
30 | 175.62
0200
10 | 175.52
2400
8 | 175.57
2300
12 | 175.63
0100
25 |
| Min.
Hr.
Day | 175.14
0300
14 | 175.20
2100
28 | 175.18
1300
26 | 175.21
0500
11 | 175.30
1600
23 | 175.32
1900
4 | 175.31
0500
2 | 175.42
1800
27 | 175.42
1700
4 | 175.33
2000
30 | 175.29
2000
2 | 175.34
0800
29 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 175.40

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 901-4080 St. Clair S.P., St. Clair, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 175.87 Sep
Daily mean elevation: 176.00 21 Feb
Instant/hourly elevation: 176.24 0700/21 Feb

LOWEST

Monthly mean elevation: 175.69 Mar
Daily mean elevation: 175.57 12 Jan
Instant/hourly elevation: 175.52 2000/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 175.99 | 176.00 | 175.87 | 175.84 | 175.81 | 175.84 | 175.90 | 175.89 | 175.94 | 175.84 | 175.87 | 175.87 |
| Day | 19 | 21 | 23 | 26 | 24 | 19 | 21 | 31 | 22 | 3 | 27 | 5 |
| Min | 175.57 | 175.60 | 175.61 | 175.63 | 175.75 | 175.74 | 175.75 | 175.82 | 175.82 | 175.73 | 175.62 | 175.74 |
| Day | 12 | 10 | 26 | 11 | 17 | 17 | 3 | 25 | 5 | 31 | 2 | 27 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 175.95 | 4 | 2 | | | | | | | | | | | 175.95 | 6 |
| 175.90 | 1 | 1 | | | | | | | 3 | | | | 175.90 | 11 |
| 175.85 | 3 | 2 | 1 | | | | 18 | 22 | 17 | | 7 | 2 | 175.85 | 83 |
| 175.80 | 2 | 1 | 1 | 4 | 1 | 3 | 2 | 9 | 10 | 8 | 9 | 14 | 175.80 | 147 |
| 175.75 | 3 | 2 | 2 | 5 | 27 | 26 | 10 | | | 19 | 8 | 11 | 175.75 | 260 |
| 175.70 | 1 | 7 | 8 | 4 | 3 | 1 | 1 | | | 4 | 3 | 4 | 175.70 | 296 |
| 175.65 | 3 | 6 | 13 | 13 | | | | | | | 2 | | 175.65 | 333 |
| 175.60 | 8 | 7 | 6 | 4 | | | | | | | 1 | | 175.60 | 359 |
| 175.55 | 6 | 1 | | | | | | | | | | | 175.55 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 901-4080 St. Clair S.P., St. Clair, Michigan on St. Clair River

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 175.59 | 175.67 | 175.66 | 175.68 | 175.77 | 175.79 | 175.79 | 175.88 | 175.86 | 175.83 | 175.68 | 175.83 |
| 2 | 175.58 | 175.64 | 175.62 | 175.68 | 175.80 | 175.77 | 175.76 | 175.89 | 175.82 | 175.83 | 175.62 | 175.85 |
| 3 | 175.57 | 175.64 | 175.61 | 175.67 | 175.80 | 175.77 | 175.75 | 175.87 | 175.84 | 175.84 | 175.68 | 175.85 |
| 4 | 175.61 | 175.69 | 175.61 | 175.66 | 175.79 | 175.76 | 175.79 | 175.88 | 175.84 | 175.80 | 175.77 | 175.83 |
| 5 | 175.62 | 175.64 | 175.66 | 175.67 | 175.78 | 175.76 | 175.79 | 175.88 | 175.82 | 175.81 | 175.78 | 175.87 |
| 6 | 175.61 | 175.61 | 175.69 | 175.63 | 175.78 | 175.78 | 175.79 | 175.86 | 175.83 | 175.80 | 175.80 | 175.83 |
| 7 | 175.63 | 175.64 | 175.69 | 175.64 | 175.77 | 175.79 | 175.79 | 175.85 | 175.86 | 175.79 | 175.77 | 175.85 |
| 8 | 175.58 | 175.65 | 175.69 | 175.66 | 175.78 | 175.79 | 175.77 | 175.86 | 175.86 | 175.77 | 175.76 | 175.81 |
| 9 | 175.58 | 175.65 | 175.64 | 175.64 | 175.78 | 175.78 | 175.80 | 175.88 | 175.85 | 175.78 | 175.74 | 175.77 |
| 10 | 175.63 | 175.60 | 175.77 | 175.66 | 175.78 | 175.77 | 175.80 | 175.86 | 175.90 | 175.78 | 175.72 | 175.75 |
| 11 | 175.62 | 175.73 | 175.76 | 175.63 | 175.75 | 175.77 | 175.80 | 175.88 | 175.91 | 175.78 | 175.76 | 175.80 |
| 12 | 175.57 | 175.67 | 175.74 | 175.71 | 175.75 | 175.76 | 175.81 | 175.87 | 175.86 | 175.80 | 175.78 | 175.82 |
| 13 | 175.61 | 175.75 | 175.72 | 175.68 | 175.77 | 175.77 | 175.83 | 175.87 | 175.86 | 175.80 | 175.85 | 175.80 |
| 14 | 175.77 | 175.73 | 175.72 | 175.67 | 175.78 | 175.77 | 175.86 | 175.87 | 175.83 | 175.77 | 175.87 | 175.78 |
| 15 | 175.66 | 175.68 | 175.71 | 175.66 | 175.76 | 175.76 | 175.88 | 175.87 | 175.86 | 175.78 | 175.85 | 175.77 |
| 16 | 175.65 | 175.67 | 175.66 | 175.66 | 175.76 | 175.76 | 175.87 | 175.87 | 175.84 | 175.79 | 175.84 | 175.76 |
| 17 | 175.78 | 175.74 | 175.70 | 175.70 | 175.75 | 175.74 | 175.88 | 175.86 | 175.86 | 175.83 | 175.84 | 175.81 |
| 18 | 175.96 | 175.80 | 175.67 | 175.71 | 175.78 | 175.80 | 175.90 | 175.86 | 175.88 | 175.82 | 175.84 | 175.80 |
| 19 | 175.99 | 175.98 | 175.66 | 175.70 | 175.76 | 175.84 | 175.89 | 175.87 | 175.89 | 175.82 | 175.83 | 175.77 |
| 20 | 175.98 | 175.95 | 175.74 | 175.71 | 175.77 | 175.82 | 175.90 | 175.85 | 175.86 | 175.78 | 175.76 | 175.84 |
| 21 | 175.98 | 176.00 | 175.72 | 175.73 | 175.76 | 175.81 | 175.90 | 175.85 | 175.87 | 175.78 | 175.75 | 175.80 |
| 22 | 175.87 | 175.87 | 175.67 | 175.76 | 175.76 | 175.80 | 175.88 | 175.84 | 175.94 | 175.76 | 175.83 | 175.80 |
| 23 | 175.79 | 175.74 | 175.87 | 175.76 | 175.79 | 175.79 | 175.88 | 175.82 | 175.92 | 175.75 | 175.86 | 175.83 |
| 24 | 175.89 | 175.71 | 175.84 | 175.79 | 175.81 | 175.78 | 175.88 | 175.82 | 175.88 | 175.82 | 175.87 | 175.84 |
| 25 | 175.86 | 175.76 | 175.63 | 175.83 | 175.78 | 175.78 | 175.87 | 175.82 | 175.86 | 175.78 | 175.87 | 175.85 |
| 26 | 175.95 | 175.86 | 175.61 | 175.84 | 175.78 | 175.79 | 175.87 | 175.83 | 175.85 | 175.78 | 175.86 | 175.86 |
| 27 | 175.83 | 175.81 | 175.69 | 175.83 | 175.78 | 175.80 | 175.89 | 175.85 | 175.86 | 175.78 | 175.87 | 175.74 |
| 28 | 175.81 | 175.74 | 175.73 | 175.81 | 175.77 | 175.79 | 175.88 | 175.89 | 175.89 | 175.75 | 175.85 | 175.75 |
| 29 | 175.71 | 175.66 | 175.67 | 175.80 | 175.77 | 175.80 | 175.87 | 175.89 | 175.90 | 175.76 | 175.86 | 175.75 |
| 30 | 175.66 | | 175.68 | 175.80 | 175.77 | 175.79 | 175.86 | 175.88 | 175.85 | 175.75 | 175.85 | 175.77 |
| 31 | 175.68 | | 175.71 | | 175.79 | | 175.88 | 175.89 | | 175.73 | | 175.84 |
| Mean | 175.73 | 175.73 | 175.69 | 175.71 | 175.78 | 175.78 | 175.84 | 175.86 | 175.87 | 175.79 | 175.80 | 175.81 |
| Max.
Hr.
Day | 176.06
1000
20 | 176.24
0700
21 | 175.97
1300
23 | 175.87
1100
27 | 176.00
2000
2 | 175.95
0400
18 | 175.95
1900
20 | 175.97
1500
30 | 176.03
2300
22 | 175.92
2400
16 | 175.96
1900
13 | 176.12
1700
25 |
| Min.
Hr.
Day | 175.52
2400
8 | 175.53
0900
10 | 175.55
1800
25 | 175.55
2000
6 | 175.69
1300
2 | 175.58
2400
17 | 175.69
1300
3 | 175.76
1400
24 | 175.74
2100
16 | 175.66
2000
14 | 175.52
2000
2 | 175.65
0500
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 175.78

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 901-4087 Dry Dock, Port Huron, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 176.20 Aug
Daily mean elevation: 176.26 18 Jan
Instant/hourly elevation: 176.45 0800/14 Jan

LOWEST

Monthly mean elevation: 176.04 Mar
Daily mean elevation: 175.86 2 Nov
Instant/hourly elevation: 175.73 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.26 | 176.19 | 176.19 | 176.19 | 176.21 | 176.20 | 176.23 | 176.24 | 176.23 | 176.19 | 176.20 | 176.24 |
| Day | 18     | 21     | 10     | 27     | 24     | 19     | 27     | 28     | 11     | 24     | 27     | 5      |
| Min | 175.90 | 175.88 | 175.93 | 175.98 | 176.06 | 176.07 | 176.08 | 176.14 | 176.12 | 176.06 | 175.86 | 176.06 |
| Day | 12     | 10     | 25     | 6      | 1      | 17     | 3      | 25     | 2      | 23     | 2      | 10     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.25 | 1 | | | | | | | | | | | | 176.25 | 1 |
| 176.20 | 2 | | | | 1 | | 9 | 13 | 3 | | | 3 | 176.20 | 32 |
| 176.15 | 4 | 2 | 1 | 3 | 4 | 3 | 11 | 14 | 10 | 6 | 13 | 7 | 176.15 | 110 |
| 176.10 | 1 | 2 | 2 | 4 | 20 | 24 | 8 | 2 | 5 | 14 | 7 | 4 | 176.10 | 203 |
| 176.05 | 4 | 4 | 9 | 7 | 6 | 3 | 3 | | | 11 | 3 | 4 | 176.05 | 257 |
| 176.00 | 6 | 11 | 8 | 12 | | | | | | | 5 | | 176.00 | 299 |
| 175.95 | 8 | 8 | 10 | 4 | | | | | | | 1 | | 175.95 | 330 |
| 175.90 | 4 | 1 | 1 | | | | | | | | | | 175.90 | 336 |
| 175.85 | 1 | 1 | | | | | | | | | 1 | | 175.85 | 339 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 901-4087 Dry Dock, Port Huron, Michigan on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|
| 1 | 175.96 | 176.03 | 176.02 | 176.04 | 176.06 | 176.14 | 176.13 | 176.20 | 176.19 | 176.15 | 176.03 | 176.15 |
| 2 | 175.94 | 175.99 | 175.97 | 176.06 | 176.11 | 176.12 | 176.08 | 176.20 | 176.12 | 176.14 | 175.86 | 176.18 |
| 3 | 175.94 | 175.97 | 175.96 | 176.03 | 176.16 | 176.12 | 176.08 | 176.21 | 176.16 | 176.18 | 175.96 | 176.21 |
| 4 | 175.99 | 176.05 | 175.96 | 176.01 | 176.15 | 176.10 | 176.13 | 176.22 | 176.17 | 176.16 | 176.10 | 176.16 |
| 5 | 176.00 | 176.00 | 175.99 | 176.03 | 176.15 | 176.11 | 176.15 | 176.21 | 176.13 | 176.15 | 176.13 | 176.24 |
| 6 | 175.98 | 175.93 | 175.99 | 175.98 | 176.14 | 176.13 | 176.15 | 176.19 | 176.14 | 176.12 | 176.16 | 176.17 |
| 7 | 176.02 | 176.00 | 176.00 | 175.99 | 176.12 | 176.14 | 176.13 | 176.17 | 176.18 | 176.11 | 176.11 | 176.21 |
| 8 | 175.93 | 176.02 | 176.02 | 176.02 | 176.13 | 176.15 | 176.10 | 176.16 | 176.18 | 176.08 | 176.07 | 176.16 |
| 9 | 175.94 | 176.02 | 175.97 | 175.99 | 176.13 | 176.14 | 176.14 | 176.22 | 176.16 | 176.06 | 176.03 | 176.09 |
| 10 | 176.02 | 175.88 | 176.19 | 176.03 | 176.12 | 176.13 | 176.15 | 176.22 | 176.21 | 176.10 | 176.02 | 176.06 |
| 11 | 175.98 | 176.09 | 176.15 | 175.99 | 176.09 | 176.13 | 176.16 | 176.22 | 176.23 | 176.12 | 176.12 | 176.16 |
| 12 | 175.90 | 175.99 | 176.13 | 176.09 | 176.09 | 176.11 | 176.15 | 176.21 | 176.16 | 176.14 | 176.10 | 176.16 |
| 13 | 175.99 | 176.02 | 176.09 | 176.06 | 176.14 | 176.12 | 176.19 | 176.21 | 176.16 | 176.15 | 176.14 | 176.13 |
| 14 | 176.24 | 176.03 | 176.08 | 176.02 | 176.14 | 176.13 | 176.21 | 176.21 | 176.13 | 176.11 | 176.20 | 176.11 |
| 15 | 176.05 | 175.99 | 176.08 | 176.01 | 176.11 | 176.11 | 176.22 | 176.20 | 176.16 | 176.10 | 176.17 | 176.08 |
| 16 | 176.00 | 176.00 | 175.98 | 176.02 | 176.10 | 176.11 | 176.20 | 176.20 | 176.14* | 176.10 | 176.14 | 176.08 |
| 17 | 176.09 | 176.03 | 176.07 | 176.06 | 176.10 | 176.07 | 176.20 | 176.17 | / | 176.19 | 176.17 | 176.16 |
| 18 | 176.26 | 176.04 | 176.04 | 176.06 | 176.16 | 176.08 | 176.22 | 176.17 | / | 176.17 | 176.16 | 176.15* |
| 19 | 176.21 | 176.16 | 176.02 | 176.02 | 176.12 | 176.20 | 176.20 | 176.21 | / | 176.17 | 176.15 | / |
| 20 | 176.17 | 176.12 | 176.07 | 176.04 | 176.12 | 176.19 | 176.23 | 176.18 | / | 176.07 | 176.03 | / |
| 21 | 176.19 | 176.19 | 176.05 | 176.05 | 176.12 | 176.17 | 176.23 | 176.16* | / | 176.13 | 176.02 | / |
| 22 | 176.07 | 176.10 | 175.99 | 176.09 | 176.10 | 176.15 | 176.20 | / | / | 176.07 | 176.19 | / |
| 23 | 176.01 | 176.05 | 176.09 | 176.10 | 176.17 | 176.12 | 176.21 | / | / | 176.06 | 176.17 | / |
| 24 | 176.19 | 176.00 | 176.08 | 176.13 | 176.21 | 176.13 | 176.21 | 176.14* | / | 176.19 | 176.18 | / |
| 25 | 176.13 | 176.02 | 175.93 | 176.18 | 176.16 | 176.13 | 176.19 | 176.14 | / | 176.12 | 176.19 | / |
| 26 | 176.16 | 176.11 | 175.99 | 176.18 | 176.15 | 176.14 | 176.20 | 176.16 | / | 176.12 | 176.12 | / |
| 27 | 176.06 | 176.10 | 176.09 | 176.19 | 176.14 | 176.15 | 176.23 | 176.20 | / | 176.11 | 176.20 | / |
| 28 | 176.08 | 176.08 | 176.09 | 176.15 | 176.13 | 176.13 | 176.20 | 176.24 | / | 176.07 | 176.18 | / |
| 29 | 176.02 | 176.02 | 176.02 | 176.12 | 176.12 | 176.14 | 176.20 | 176.23 | 176.22* | 176.11 | 176.17 | / |
| 30 | 176.00 | | 176.03 | 176.15 | 176.13 | 176.13 | 176.19 | 176.19 | 176.18 | 176.09 | 176.18 | / |
| 31 | 176.04 | | 176.04 | | 176.15 | | 176.22 | 176.23 | | 176.08 | | / |
| Mean | 176.05 | 176.04 | 176.04 | 176.06 | 176.13 | 176.13 | 176.18 | 176.20 | 176.17 | 176.12 | 176.12 | 176.15 |
| Max.
Hr.
Day | 176.45
0800
14 | 176.37
0600
21 | 176.37
1100
10 | 176.23
1100
27 | 176.29
1300
23 | 176.28
0700
19 | 176.29
0100
21 | 176.38
1900
10 | 176.30
1300
8 | 176.28
0600
17 | 176.29
2200
22 | 176.32
0600
5 |
| Min.
Hr.
Day | 175.84
1800
8 | 175.80
0900
10 | 175.88
1200
25 | 175.80
0400
11 | 175.89
1600
1 | 175.74
0100
18 | 176.02
0200
3 | 176.03
1300
10 | 176.07
2100
2 | 175.94
1200
16 | 175.73
1900
2 | 175.98
0600
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.11

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 901-4090 Mouth of the Black River, Port Huron, MI on St. Clair River

HIGHEST

Monthly mean elevation: 176.29 Aug
Daily mean elevation: 176.39 22 Sep
Instant/hourly elevation: 176.61 0800/14 Jan

LOWEST

Monthly mean elevation: 176.12 Feb
Daily mean elevation: 175.89 2 Nov
Instant/hourly elevation: 175.72 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.38 | 176.25 | 176.32 | 176.30 | 176.33 | 176.32 | 176.33 | 176.35 | 176.39 | 176.31 | 176.32 | 176.37 |
| Day | 14     | 21     | 10     | 27     | 24     | 19     | 27     | 28     | 22     | 24     | 14     | 26     |
| Min | 176.00 | 175.97 | 176.01 | 176.06 | 176.16 | 176.15 | 176.18 | 176.23 | 176.21 | 176.15 | 175.89 | 176.13 |
| Day | 12     | 10     | 25     | 11     | 1      | 17     | 3      | 24     | 2      | 9      | 2      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.35 | 1 | | | | | | | | 3 | | | | 176.35 | 5 |
| 176.30 | 1 | | 1 | | 1 | 1 | 7 | 11 | 3 | 2 | 1 | 4 | 176.30 | 37 |
| 176.25 | 2 | | 1 | 3 | 9 | 4 | 15 | 16 | 11 | 5 | 12 | 11 | 176.25 | 126 |
| 176.20 | 3 | 2 | 2 | 5 | 17 | 23 | 7 | 4 | 13 | 13 | 7 | 5 | 176.20 | 227 |
| 176.15 | 3 | 7 | 6 | 6 | 4 | 1 | 2 | | | 10 | 3 | 8 | 176.15 | 277 |
| 176.10 | 8 | 8 | 10 | 12 | | 1 | | | | 1 | 4 | 2 | 176.10 | 323 |
| 176.05 | 8 | 10 | 10 | 4 | | | | | | | 1 | | 176.05 | 356 |
| 176.00 | 4 | 1 | 1 | | | | | | | | 1 | | 176.00 | 363 |
| 175.95 | 1 | 1 | | | | | | | | | | | 175.95 | 365 |
| 175.90 | | | | | | | | | | | | | 175.90 | 365 |
| 175.85 | | | | | | | | | | | 1 | | 175.85 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 901-4090 Mouth of the Black River, Port Huron, MI on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 176.06 | 176.13 | 176.11 | 176.14 | 176.16 | 176.25 | 176.23 | 176.30 | 176.29 | 176.25 | 176.13 | 176.26 |
| 2 | 176.05 | 176.09 | 176.06 | 176.17 | 176.21 | 176.23 | 176.18 | 176.29 | 176.21 | 176.24 | 175.89 | 176.28 |
| 3 | 176.04 | 176.07 | 176.06 | 176.13 | 176.27 | 176.22 | 176.18 | 176.31 | 176.25 | 176.29 | 176.01 | 176.32 |
| 4 | 176.10 | 176.16 | 176.06 | 176.12 | 176.26 | 176.21 | 176.24 | 176.32 | 176.27 | 176.26 | 176.20 | 176.26 |
| 5 | 176.12 | 176.11 | 176.08 | 176.13 | 176.26 | 176.22 | 176.26 | 176.30 | 176.22 | 176.25 | 176.24 | 176.35 |
| 6 | 176.09 | 176.01 | 176.08 | 176.08 | 176.24 | 176.24 | 176.25 | 176.29 | 176.22 | 176.22 | 176.28 | 176.28 |
| 7 | 176.14 | 176.10 | 176.09 | 176.09 | 176.22 | 176.24 | 176.23 | 176.26 | 176.27 | 176.21 | 176.22 | 176.33 |
| 8 | 176.03 | 176.13 | 176.12 | 176.12 | 176.24 | 176.26 | 176.21 | 176.25 | 176.26 | 176.18 | 176.18 | 176.26 |
| 9 | 176.04 | 176.13 | 176.06 | 176.09 | 176.23 | 176.25 | 176.26 | 176.31 | 176.26 | 176.15 | 176.13 | 176.18 |
| 10 | 176.13 | 175.97 | 176.32 | 176.14 | 176.23 | 176.23 | 176.25 | 176.30 | 176.29 | 176.20 | 176.11 | 176.15 |
| 11 | 176.09 | 176.18 | 176.26 | 176.06 | 176.19 | 176.23 | 176.27 | 176.33 | 176.32 | 176.22 | 176.23 | 176.27 |
| 12 | 176.00 | 176.08 | 176.24 | 176.20 | 176.20 | 176.21 | 176.25 | 176.32 | 176.25 | 176.24 | 176.19 | 176.27 |
| 13 | 176.11 | 176.09 | 176.20 | 176.17 | 176.26 | 176.23 | 176.29 | 176.31 | 176.24 | 176.26 | 176.24 | 176.24 |
| 14 | 176.38 | 176.11 | 176.18 | 176.13 | 176.25 | 176.24 | 176.30 | 176.31 | 176.22 | 176.22 | 176.32 | 176.20 |
| 15 | 176.17 | 176.08 | 176.19 | 176.12 | 176.22 | 176.22 | 176.32 | 176.30 | 176.25 | 176.19 | 176.28 | 176.18 |
| 16 | 176.10 | 176.09 | 176.07 | 176.13 | 176.21 | 176.21 | 176.30 | 176.30 | 176.22 | 176.20 | 176.23 | 176.17 |
| 17 | 176.18 | 176.11 | 176.18 | 176.18 | 176.20 | 176.15 | 176.29 | 176.27 | 176.25 | 176.31 | 176.28 | 176.27 |
| 18 | 176.35 | 176.10 | 176.15 | 176.19 | 176.28 | 176.17 | 176.32 | 176.26 | 176.26 | 176.28 | 176.27 | 176.23 |
| 19 | 176.27 | 176.21 | 176.12 | 176.13 | 176.22 | 176.32 | 176.29 | 176.31 | 176.33 | 176.27 | 176.25 | 176.17 |
| 20 | 176.23 | 176.17 | 176.16 | 176.14 | 176.23 | 176.30 | 176.33 | 176.27 | 176.27 | 176.16 | 176.12 | 176.31 |
| 21 | 176.25 | 176.25 | 176.14 | 176.15 | 176.22 | 176.28 | 176.33 | 176.27 | 176.26 | 176.23 | 176.10 | 176.22 |
| 22 | 176.12 | 176.17 | 176.08 | 176.18 | 176.21 | 176.25 | 176.30 | 176.26 | 176.39 | 176.17 | 176.30 | 176.22 |
| 23 | 176.07 | 176.14 | 176.15 | 176.21 | 176.28 | 176.23 | 176.30 | 176.24 | 176.37 | 176.16 | 176.28 | 176.29 |
| 24 | 176.28 | 176.09 | 176.14 | 176.24 | 176.33 | 176.24 | 176.31 | 176.23 | 176.28 | 176.31 | 176.29 | 176.30 |
| 25 | 176.20 | 176.10 | 176.01 | 176.30 | 176.27 | 176.23 | 176.28 | 176.24 | 176.24 | 176.22 | 176.29 | 176.22 |
| 26 | 176.21 | 176.18 | 176.09 | 176.29 | 176.26 | 176.25 | 176.29 | 176.26 | 176.24 | 176.22 | 176.21 | 176.37 |
| 27 | 176.12 | 176.18 | 176.21 | 176.30 | 176.25 | 176.26 | 176.33 | 176.30 | 176.24 | 176.22 | 176.30 | 176.13 |
| 28 | 176.15 | 176.18 | 176.20 | 176.25 | 176.23 | 176.23 | 176.29 | 176.35 | 176.32 | 176.17 | 176.28 | 176.17 |
| 29 | 176.10 | 176.12 | 176.12 | 176.21 | 176.23 | 176.24 | 176.30 | 176.33 | 176.38 | 176.21 | 176.27 | 176.17 |
| 30 | 176.10 | | 176.12 | 176.25 | 176.24 | 176.25 | 176.29 | 176.28 | 176.28 | 176.20 | 176.28 | 176.20 |
| 31 | 176.15 | | 176.14 | | 176.26 | | 176.32 | 176.34 | | 176.18 | | 176.29 |
| Mean | 176.14 | 176.12 | 176.14 | 176.17 | 176.24 | 176.24 | 176.28 | 176.29 | 176.27 | 176.22 | 176.21 | 176.24 |
| Max. | 176.61 | 176.45 | 176.51 | 176.35 | 176.40 | 176.42 | 176.40 | 176.53 | 176.54 | 176.42 | 176.41 | 176.55 |
| Hr. | 0800 | 0600 | 1300 | 0800 | 0400 | 2100 | 1800 | 2200 | 2300 | 2400 | 1800 | 2100 |
| Day | 14 | 21 | 10 | 12 | 24 | 17 | 20 | 10 | 18 | 16 | 13 | 23 |
| Min. | 175.93 | 175.88 | 175.95 | 175.90 | 175.90 | 175.87 | 176.11 | 176.14 | 176.10 | 176.05 | 175.72 | 175.98 |
| Hr. | 0600 | 0900 | 1200 | 0400 | 1600 | 0100 | 2000 | 1300 | 0800 | 1200 | 1900 | 0800 |
| Day | 9 | 10 | 25 | 11 | 1 | 18 | 2 | 10 | 17 | 16 | 2 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.21

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 901-4096 Dunn Paper Company, Port Huron, MI on St. Clair River

HIGHEST

Monthly mean elevation: 176.39 Aug
Daily mean elevation: 176.51 14 Jan
Instant/hourly elevation: 176.75 0700/14 Jan

LOWEST

Monthly mean elevation: 176.22 Feb
Daily mean elevation: 175.98 2 Nov
Instant/hourly elevation: 175.82 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.51 | 176.31 | 176.44 | 176.41 | 176.45 | 176.42 | 176.44 | 176.45 | 176.49 | 176.41 | 176.41 | 176.49 |
| Day | 14     | 21     | 10     | 27     | 24     | 19     | 27     | 28     | 22     | 17     | 14     | 26     |
| Min | 176.10 | 176.04 | 176.10 | 176.17 | 176.26 | 176.24 | 176.27 | 176.33 | 176.30 | 176.22 | 175.98 | 176.22 |
| Day | 12     | 10     | 25     | 11     | 1      | 17     | 3      | 24     | 2      | 9      | 2      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.50 | 1 | | | | | | | | | | | | 176.50 | 1 |
| 176.45 | | | | | | | | | 3 | | | 1 | 176.45 | 5 |
| 176.40 | 1 | | 1 | 1 | 1 | 2 | 8 | 13 | 3 | 1 | 1 | 4 | 176.40 | 41 |
| 176.35 | 1 | | 2 | 3 | 12 | 8 | 16 | 13 | 10 | 5 | 11 | 10 | 176.35 | 132 |
| 176.30 | 2 | 2 | 3 | 5 | 16 | 18 | 5 | 5 | 13 | 14 | 7 | 6 | 176.30 | 228 |
| 176.25 | 8 | 5 | 5 | 7 | 2 | 1 | 2 | | 1 | 8 | 4 | 7 | 176.25 | 278 |
| 176.20 | 7 | 10 | 9 | 10 | | 1 | | | | 3 | 2 | 3 | 176.20 | 323 |
| 176.15 | 8 | 10 | 10 | 4 | | | | | | | 3 | | 176.15 | 358 |
| 176.10 | 2 | 1 | | | | | | | | | 1 | | 176.10 | 362 |
| 176.05 | 1 | | 1 | | | | | | | | | | 176.05 | 364 |
| 176.00 | | 1 | | | | | | | | | | | 176.00 | 365 |
| 175.95 | | | | | | | | | | | 1 | | 175.95 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 901-4096 Dunn Paper Company, Port Huron, MI on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 176.18 | 176.25 | 176.22 | 176.27 | 176.26 | 176.37 | 176.34 | 176.39 | 176.39 | 176.35 | 176.21 | 176.34 |
| 2 | 176.17 | 176.20 | 176.17 | 176.30 | 176.31 | 176.34 | 176.28 | 176.39 | 176.30 | 176.33 | 175.98 | 176.39 |
| 3 | 176.16 | 176.17 | 176.17 | 176.24 | 176.39 | 176.34 | 176.27 | 176.41 | 176.35 | 176.38 | 176.12 | 176.41 |
| 4 | 176.23 | 176.28 | 176.16 | 176.24 | 176.37 | 176.32 | 176.33 | 176.42 | 176.37 | 176.35 | 176.28 | 176.36 |
| 5 | 176.24 | 176.22 | 176.18 | 176.25 | 176.37 | 176.32 | 176.36 | 176.41 | 176.31 | 176.34 | 176.34 | 176.45 |
| 6 | 176.21 | 176.12 | 176.17 | 176.19 | 176.36 | 176.36 | 176.36 | 176.40 | 176.32 | 176.32 | 176.37 | 176.37 |
| 7 | 176.26 | 176.21 | 176.19 | 176.20 | 176.33 | 176.35 | 176.33 | 176.36 | 176.36 | 176.31 | 176.31 | 176.43 |
| 8 | 176.15 | 176.24 | 176.22 | 176.25 | 176.35 | 176.37 | 176.31 | 176.34 | 176.36 | 176.27 | 176.27 | 176.36 |
| 9 | 176.16 | 176.23 | 176.16 | 176.20 | 176.35 | 176.36 | 176.36 | 176.41 | 176.34 | 176.22 | 176.21 | 176.28 |
| 10 | 176.26 | 176.04 | 176.44 | 176.26 | 176.35 | 176.35 | 176.34 | 176.40 | 176.39 | 176.29 | 176.19 | 176.24 |
| 11 | 176.21 | 176.31 | 176.38 | 176.17 | 176.30 | 176.34 | 176.37 | 176.43 | 176.42 | 176.32 | 176.33 | 176.36 |
| 12 | 176.10 | 176.18 | 176.36 | 176.33 | 176.31 | 176.32 | 176.36 | 176.42 | 176.34 | 176.34 | 176.28 | 176.37 |
| 13 | 176.24 | 176.17 | 176.31 | 176.27 | 176.38 | 176.33 | 176.40 | 176.42 | 176.33 | 176.36 | 176.32 | 176.34 |
| 14 | 176.51 | 176.20 | 176.30 | 176.24 | 176.37 | 176.36 | 176.42 | 176.41 | 176.31 | 176.32 | 176.41 | 176.30 |
| 15 | 176.29 | 176.19 | 176.30 | 176.24 | 176.33 | 176.32 | 176.42 | 176.40 | 176.35 | 176.30 | 176.36 | 176.26 |
| 16 | 176.21 | 176.19 | 176.17 | 176.24 | 176.32 | 176.32 | 176.40 | 176.39 | 176.31 | 176.29 | 176.32 | 176.25 |
| 17 | 176.28 | 176.21 | 176.30 | 176.28 | 176.31 | 176.24 | 176.39 | 176.37 | 176.36 | 176.41 | 176.36 | 176.37 |
| 18 | 176.44 | 176.18 | 176.27 | 176.28 | 176.40 | 176.30 | 176.42 | 176.36 | 176.36 | 176.38 | 176.36 | 176.33 |
| 19 | 176.32 | 176.26 | 176.22 | 176.22 | 176.34 | 176.42 | 176.38 | 176.41 | 176.43 | 176.36 | 176.34 | 176.26 |
| 20 | 176.28 | 176.22 | 176.27 | 176.25 | 176.34 | 176.41 | 176.43 | 176.38 | 176.36 | 176.24 | 176.20 | 176.41 |
| 21 | 176.32 | 176.31 | 176.24 | 176.25 | 176.33 | 176.38 | 176.43 | 176.37 | 176.35 | 176.32 | 176.18 | 176.32 |
| 22 | 176.19 | 176.24 | 176.19 | 176.28 | 176.32 | 176.36 | 176.40 | 176.35 | 176.49 | 176.26 | 176.40 | 176.31 |
| 23 | 176.14 | 176.23 | 176.22 | 176.31 | 176.40 | 176.34 | 176.40 | 176.34 | 176.46 | 176.24 | 176.35 | 176.39 |
| 24 | 176.38 | 176.17 | 176.22 | 176.34 | 176.45 | 176.34 | 176.41 | 176.33 | 176.37 | 176.40 | 176.37 | 176.40 |
| 25 | 176.29 | 176.17 | 176.10 | 176.40 | 176.38 | 176.34 | 176.38 | 176.34 | 176.33 | 176.31 | 176.38 | 176.30 |
| 26 | 176.28 | 176.26 | 176.20 | 176.39 | 176.37 | 176.35 | 176.39 | 176.36 | 176.33 | 176.31 | 176.29 | 176.49 |
| 27 | 176.20 | 176.28 | 176.35 | 176.41 | 176.37 | 176.36 | 176.44 | 176.41 | 176.34 | 176.31 | 176.40 | 176.22 |
| 28 | 176.22 | 176.29 | 176.32 | 176.35 | 176.35 | 176.34 | 176.38 | 176.45 | 176.43 | 176.26 | 176.38 | 176.28 |
| 29 | 176.20 | 176.23 | 176.23 | 176.32 | 176.34 | 176.34 | 176.41 | 176.42 | 176.48 | 176.31 | 176.36 | 176.28 |
| 30 | 176.20 | | 176.23 | 176.36 | 176.35 | 176.35 | 176.40 | 176.37 | 176.38 | 176.30 | 176.37 | 176.31 |
| 31 | 176.28 | | 176.24 | | 176.37 | | 176.40 | 176.44 | | 176.27 | | 176.38 |
| Mean | 176.25 | 176.22 | 176.24 | 176.28 | 176.35 | 176.35 | 176.38 | 176.39 | 176.37 | 176.32 | 176.30 | 176.34 |
| Max. | 176.75 | 176.59 | 176.65 | 176.51 | 176.52 | 176.53 | 176.54 | 176.64 | 176.63 | 176.54 | 176.50 | 176.70 |
| Hr. | 0700 | 1600 | 1300 | 0800 | 0200 | 2100 | 1800 | 2200 | 2200 | 2400 | 1800 | 2100 |
| Day | 14 | 28 | 10 | 12 | 24 | 17 | 20 | 10 | 22 | 16 | 13 | 23 |
| Min. | 176.04 | 175.90 | 176.03 | 176.04 | 176.01 | 176.00 | 176.18 | 176.20 | 176.16 | 176.11 | 175.82 | 176.00 |
| Hr. | 0600 | 1900 | 1200 | 1900 | 1600 | 0700 | 0700 | 0400 | 0100 | 1000 | 1900 | 0400 |
| Day | 23 | 20 | 25 | 6 | 1 | 18 | 3 | 30 | 5 | 23 | 2 | 16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.31

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 901-4098 Fort Gratiot, Port Huron, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 176.50 Aug
Daily mean elevation: 176.68 14 Jan
Instant/hourly elevation: 176.96 1100/14 Jan

LOWEST

Monthly mean elevation: 176.31 Feb
Daily mean elevation: 176.08 2 Nov
Instant/hourly elevation: 175.83 0100/18 Jun

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.68 | 176.42 | 176.61 | 176.54 | 176.61 | 176.57 | 176.56 | 176.58 | 176.63 | 176.56 | 176.54 | 176.64 |
| Day | 14     | 11     | 10     | 27     | 24     | 19     | 27     | 28     | 29     | 24     | 22     | 26     |
| Min | 176.20 | 176.11 | 176.18 | 176.29 | 176.36 | 176.36 | 176.38 | 176.43 | 176.41 | 176.32 | 176.08 | 176.32 |
| Day | 12     | 10     | 25     | 11     | 1      | 17     | 3      | 24     | 16     | 9      | 2      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.65 | 1 | | | | | | | | | | | | 176.65 | 1 |
| 176.60 | | | 1 | | 1 | | | | 2 | | | 1 | 176.60 | 6 |
| 176.55 | | | | | | 1 | 1 | 2 | 2 | 1 | | 2 | 176.55 | 15 |
| 176.50 | 1 | | 1 | 3 | 6 | 2 | 12 | 13 | 3 | 3 | 4 | 5 | 176.50 | 68 |
| 176.45 | 1 | | 2 | 4 | 16 | 19 | 14 | 12 | 10 | 7 | 11 | 8 | 176.45 | 172 |
| 176.40 | 1 | 1 | 5 | 5 | 7 | 6 | 2 | 4 | 13 | 10 | 4 | 6 | 176.40 | 236 |
| 176.35 | 8 | 6 | 4 | 12 | 1 | 2 | 2 | | | 7 | 4 | 6 | 176.35 | 288 |
| 176.30 | 8 | 9 | 6 | 4 | | | | | | 3 | 2 | 3 | 176.30 | 323 |
| 176.25 | 8 | 10 | 11 | 2 | | | | | | | 3 | | 176.25 | 357 |
| 176.20 | 2 | 2 | | | | | | | | | 1 | | 176.20 | 362 |
| 176.15 | 1 | | 1 | | | | | | | | | | 176.15 | 364 |
| 176.10 | | 1 | | | | | | | | | | | 176.10 | 365 |
| 176.05 | | | | | | | | | | | 1 | | 176.05 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 901-4098 Fort Gratiot, Port Huron, Michigan on St. Clair River

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 176.30 | 176.37 | 176.33 | 176.39 | 176.36 | 176.49 | 176.46 | 176.50 | 176.51 | 176.48 | 176.35 | 176.46 |
| 2 | 176.28 | 176.30 | 176.29 | 176.42 | 176.43 | 176.46 | 176.39 | 176.49 | 176.41 | 176.47 | 176.08 | 176.51 |
| 3 | 176.27 | 176.28 | 176.28 | 176.36 | 176.52 | 176.46 | 176.38 | 176.52 | 176.46 | 176.53 | 176.21 | 176.55 |
| 4 | 176.34 | 176.40 | 176.28 | 176.36 | 176.50 | 176.44 | 176.46 | 176.54 | 176.49 | 176.50 | 176.39 | 176.47 |
| 5 | 176.36 | 176.34 | 176.29 | 176.37 | 176.50 | 176.44 | 176.48 | 176.52 | 176.43 | 176.47 | 176.46 | 176.59 |
| 6 | 176.32 | 176.23 | 176.28 | 176.30 | 176.48 | 176.48 | 176.48 | 176.50 | 176.42 | 176.43 | 176.51 | 176.49 |
| 7 | 176.38 | 176.32 | 176.30 | 176.32 | 176.45 | 176.47 | 176.45 | 176.47 | 176.47 | 176.39 | 176.44 | 176.56 |
| 8 | 176.26 | 176.36 | 176.33 | 176.37 | 176.48 | 176.50 | 176.43 | 176.44 | 176.46 | 176.35 | 176.39 | 176.48 |
| 9 | 176.26 | 176.34 | 176.26 | 176.32 | 176.47 | 176.49 | 176.48 | 176.53 | 176.44 | 176.32 | 176.32 | 176.39 |
| 10 | 176.38 | 176.11 | 176.61 | 176.39 | 176.46 | 176.47 | 176.47 | 176.50 | 176.49 | 176.40 | 176.30 | 176.35 |
| 11 | 176.32 | 176.42 | 176.52 | 176.29 | 176.42 | 176.46 | 176.49 | 176.55 | 176.54 | 176.44 | 176.46 | 176.50 |
| 12 | 176.20 | 176.27 | 176.49 | 176.46 | 176.42 | 176.44 | 176.47 | 176.54 | 176.44 | 176.46 | 176.39 | 176.49 |
| 13 | 176.35 | 176.26 | 176.44 | 176.41 | 176.52 | 176.46 | 176.52 | 176.53 | 176.43 | 176.48 | 176.42 | 176.45 |
| 14 | 176.68 | 176.30 | 176.42 | 176.37 | 176.50 | 176.48 | 176.52 | 176.53 | 176.42 | 176.44 | 176.52 | 176.41 |
| 15 | 176.42 | 176.29 | 176.43 | 176.36 | 176.46 | 176.45 | 176.55 | 176.52 | 176.45 | 176.41 | 176.48 | 176.37 |
| 16 | 176.31 | 176.30 | 176.27 | 176.35 | 176.44 | 176.45 | 176.50 | 176.51 | 176.41 | 176.39 | 176.43 | 176.35 |
| 17 | 176.38 | 176.31 | 176.42 | 176.41 | 176.42 | 176.36 | 176.49 | 176.48 | 176.46 | 176.54 | 176.49 | 176.49 |
| 18 | 176.53 | 176.26 | 176.40 | 176.39 | 176.54 | 176.39 | 176.53 | 176.46 | 176.46 | 176.51 | 176.48 | 176.45 |
| 19 | 176.39 | 176.32 | 176.35 | 176.33 | 176.46 | 176.57 | 176.48 | 176.52 | 176.56 | 176.50 | 176.45 | 176.36 |
| 20 | 176.34 | 176.28 | 176.38 | 176.36 | 176.47 | 176.55 | 176.54 | 176.48 | 176.47 | 176.34 | 176.30 | 176.54 |
| 21 | 176.39 | 176.37 | 176.35 | 176.36 | 176.46 | 176.52 | 176.55 | 176.47 | 176.45 | 176.45 | 176.27 | 176.43 |
| 22 | 176.25 | 176.32 | 176.30 | 176.39 | 176.44 | 176.49 | 176.51 | 176.46 | 176.63 | 176.37 | 176.54 | 176.42 |
| 23 | 176.21 | 176.34 | 176.28 | 176.43 | 176.55 | 176.45 | 176.52 | 176.44 | 176.59 | 176.36 | 176.48 | 176.52 |
| 24 | 176.47 | 176.28 | 176.28 | 176.47 | 176.61 | 176.46 | 176.52 | 176.43 | 176.48 | 176.56 | 176.49 | 176.53 |
| 25 | 176.37 | 176.25 | 176.18 | 176.52 | 176.51 | 176.46 | 176.49 | 176.44 | 176.44 | 176.44 | 176.50 | 176.40 |
| 26 | 176.35 | 176.34 | 176.32 | 176.51 | 176.50 | 176.47 | 176.50 | 176.47 | 176.43 | 176.44 | 176.39 | 176.64 |
| 27 | 176.26 | 176.37 | 176.48 | 176.54 | 176.49 | 176.49 | 176.56 | 176.53 | 176.44 | 176.44 | 176.52 | 176.32 |
| 28 | 176.31 | 176.40 | 176.44 | 176.47 | 176.47 | 176.46 | 176.50 | 176.58 | 176.55 | 176.38 | 176.49 | 176.39 |
| 29 | 176.29 | 176.35 | 176.36 | 176.43 | 176.46 | 176.46 | 176.52 | 176.54 | 176.63 | 176.45 | 176.47 | 176.39 |
| 30 | 176.30 | | 176.35 | 176.49 | 176.47 | 176.48 | 176.51 | 176.47 | 176.50 | 176.42 | 176.48 | 176.42 |
| 31 | 176.39 | | 176.36 | | 176.51 | | 176.54 | 176.57 | | 176.40 | | 176.50 |
| Mean | 176.34 | 176.31 | 176.36 | 176.40 | 176.48 | 176.47 | 176.49 | 176.50 | 176.48 | 176.44 | 176.42 | 176.46 |
| Max. | 176.96 | 176.78 | 176.86 | 176.67 | 176.68 | 176.72 | 176.66 | 176.86 | 176.80 | 176.68 | 176.66 | 176.87 |
| Hr. | 1100 | 1600 | 1300 | 0800 | 1000 | 2100 | 1800 | 2200 | 2300 | 2400 | 2100 | 2100 |
| Day | 14 | 28 | 10 | 12 | 24 | 17 | 20 | 10 | 22 | 16 | 22 | 23 |
| Min. | 176.09 | 175.92 | 176.10 | 176.12 | 176.05 | 175.83 | 176.28 | 176.27 | 176.26 | 176.20 | 175.87 | 176.06 |
| Hr. | 0600 | 1900 | 0100 | 0400 | 1600 | 0100 | 0700 | 0400 | 0800 | 1400 | 1900 | 0400 |
| Day | 23 | 20 | 1 | 11 | 1 | 18 | 3 | 30 | 17 | 9 | 2 | 16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.43

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 907-5002 Lakeport, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 176.56 Aug
Daily mean elevation: 176.71 26 Dec
Instant/hourly elevation: 176.89 2100/23 Dec

LOWEST

Monthly mean elevation: 176.38 Feb
Daily mean elevation: 176.16 2 Nov
Instant/hourly elevation: 175.95 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.66 | 176.44 | 176.60 | 176.57 | 176.64 | 176.61 | 176.62 | 176.64 | 176.68 | 176.61 | 176.59 | 176.71 |
| Day | 14     | 28     | 10     | 27     | 24     | 19     | 27     | 28     | 22     | 17     | 22     | 26     |
| Min | 176.26 | 176.32 | 176.33 | 176.34 | 176.43 | 176.42 | 176.44 | 176.50 | 176.47 | 176.38 | 176.16 | 176.41 |
| Day | 23     | 25     | 9      | 11     | 1      | 17     | 3      | 25     | 14     | 9      | 2      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.70 | | | | | | | | | | | | 1 | 176.70 | 1 |
| 176.65 | 1 | | | | | | | | 2 | | | | 176.65 | 4 |
| 176.60 | | | | | 1 | 1 | 1 | 4 | 3 | 1 | | 4 | 176.60 | 19 |
| 176.55 | 1 | | 1 | 3 | 11 | 4 | 15 | 12 | 3 | 3 | 6 | 7 | 176.55 | 85 |
| 176.50 | 1 | | 2 | 4 | 13 | 22 | 12 | 12 | 11 | 10 | 10 | 6 | 176.50 | 188 |
| 176.45 | 1 | | 4 | 4 | 5 | 1 | 2 | 3 | 11 | 10 | 6 | 7 | 176.45 | 242 |
| 176.40 | 8 | 3 | | 11 | 1 | 2 | 1 | | | 6 | 2 | 6 | 176.40 | 282 |
| 176.35 | 6 | 3 | 4 | 4 | | | | | | 1 | 3 | | 176.35 | 303 |
| 176.30 | 3 | 3 | 5 | 1 | | | | | | | 1 | | 176.30 | 316 |
| 176.25 | 3 | | | | | | | | | | 1 | | 176.25 | 320 |
| 176.20 | | | | | | | | | | | | | 176.20 | 320 |
| 176.15 | | | | | | | | | | | 1 | | 176.15 | 321 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5002 Lakeport, Michigan on Lake Huron

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 176.37 | / | 176.38 | / | 176.43 | 176.55 | 176.52 | 176.54 | 176.56 | 176.52 | 176.42 | 176.52 |
| 2 | 176.36 | / | 176.39* | / | 176.51 | 176.52 | 176.47 | 176.55 | 176.47 | 176.52 | 176.16 | 176.57 |
| 3 | 176.34 | / | / | / | 176.58 | 176.52 | 176.44 | 176.57 | 176.51 | 176.57 | 176.28 | 176.62 |
| 4 | 176.41 | / | 176.34* | 176.42* | 176.56 | 176.51 | 176.52 | 176.59 | 176.54 | 176.55 | 176.46 | 176.54 |
| 5 | 176.43 | / | 176.36 | 176.43 | 176.56 | 176.51 | 176.54 | 176.58 | 176.49 | 176.53 | 176.52 | 176.64 |
| 6 | 176.40 | / | 176.33 | 176.36 | 176.55 | 176.54 | 176.55 | 176.56 | 176.49 | 176.50 | 176.56 | 176.56 |
| 7 | 176.45 | / | 176.34 | 176.38 | 176.52 | 176.54 | 176.53 | 176.54 | 176.53 | 176.48 | 176.50 | 176.63 |
| 8 | 176.34 | / | 176.39 | 176.43 | 176.54 | 176.56 | 176.49 | 176.51 | 176.52 | 176.44 | 176.46 | 176.56 |
| 9 | 176.34 | / | 176.33 | 176.38 | 176.53 | 176.55 | 176.54 | 176.58 | 176.49 | 176.38 | 176.39 | 176.46 |
| 10 | 176.45 | / | 176.60 | 176.43 | 176.53 | 176.54 | 176.53 | 176.54 | 176.54 | 176.47 | 176.37 | 176.42 |
| 11 | 176.40 | / | 176.55 | 176.34 | 176.48 | 176.52 | 176.55 | 176.61 | 176.59 | 176.51 | 176.52 | 176.56 |
| 12 | 176.28 | / | 176.53 | 176.52 | 176.49 | 176.51 | 176.54 | 176.59 | 176.50 | 176.53 | 176.45 | 176.56 |
| 13 | 176.42 | / | 176.49 | 176.46 | 176.57 | 176.52 | 176.58 | 176.59 | 176.50 | 176.55 | 176.49 | 176.53 |
| 14 | 176.66 | / | 176.48 | 176.43 | 176.57 | 176.54 | 176.59 | 176.59 | 176.47 | 176.52 | 176.58 | 176.49 |
| 15 | 176.49 | / | 176.49 | 176.42 | 176.51 | 176.51 | 176.60 | 176.58 | 176.51 | 176.49 | 176.54 | 176.45 |
| 16 | 176.38 | / | 176.34 | 176.41 | 176.49 | 176.50 | 176.57 | 176.57 | 176.48 | 176.44 | 176.48 | 176.41 |
| 17 | 176.44 | / | 176.48 | 176.45 | 176.47 | 176.42 | 176.55 | 176.54 | 176.53 | 176.61 | 176.54 | 176.55 |
| 18 | 176.58 | / | / | 176.44 | 176.59 | 176.45 | 176.58 | 176.53 | 176.54 | 176.57 | 176.54 | 176.53 |
| 19 | 176.44 | / | / | 176.38 | 176.52 | 176.61 | 176.55 | 176.59 | 176.61 | 176.55 | 176.52 | 176.44 |
| 20 | 176.39 | / | / | 176.42 | 176.53 | 176.59 | 176.60 | 176.55 | 176.53 | 176.41 | 176.37 | 176.61 |
| 21 | 176.44 | 176.40* | / | 176.43 | 176.51 | 176.57 | 176.60 | 176.54 | 176.52 | 176.51 | 176.35 | 176.50 |
| 22 | 176.30 | 176.35 | / | 176.47 | 176.50 | 176.55 | 176.57 | 176.53 | 176.68 | 176.44 | 176.59 | 176.50 |
| 23 | 176.26 | 176.38 | / | 176.48 | 176.59 | 176.52 | 176.58 | 176.50 | 176.64 | 176.43 | 176.53 | 176.58 |
| 24 | 176.51* | 176.34 | / | 176.51 | 176.64 | 176.53 | 176.57 | 176.50 | 176.54 | 176.59 | 176.55 | 176.59 |
| 25 | / | 176.32 | / | 176.57 | 176.57 | 176.53 | 176.55 | 176.50 | 176.50 | 176.50 | 176.56 | 176.46 |
| 26 | / | 176.37 | / | 176.56 | 176.56 | 176.54 | 176.56 | 176.53 | 176.49 | 176.50 | 176.46 | 176.71 |
| 27 | / | 176.41 | / | 176.57 | 176.56 | 176.56 | 176.62 | 176.59 | 176.50 | 176.50 | 176.58 | 176.41 |
| 28 | / | 176.44 | / | 176.53 | 176.53 | 176.53 | 176.56 | 176.64 | 176.61 | 176.45 | 176.56 | 176.46 |
| 29 | / | 176.42 | / | 176.49 | 176.53 | 176.53 | 176.58 | 176.61 | 176.67 | 176.50 | 176.54 | 176.44 |
| 30 | / | / | / | 176.54 | 176.54 | 176.54 | 176.57 | 176.54 | 176.56 | 176.49 | 176.55 | 176.50 |
| 31 | / | / | / | / | 176.56 | / | 176.58 | 176.63 | / | 176.48 | / | 176.55 |
| Mean | 176.41 | 176.38 | 176.43 | 176.45 | 176.54 | 176.53 | 176.55 | 176.56 | 176.54 | 176.50 | 176.48 | 176.53 |
| Max. | 176.88 | 176.65 | 176.80 | 176.72 | 176.72 | 176.73 | 176.70 | 176.72 | 176.83 | 176.74 | 176.72 | 176.89 |
| Hr. | 1100 | 1600 | 1100 | 0700 | 1300 | 0600 | 0100 | 0900 | 2300 | 0500 | 2100 | 2100 |
| Day | 14 | 28 | 10 | 12 | 23 | 19 | 21 | 10 | 18 | 17 | 22 | 23 |
| Min. | 176.16 | 176.21 | 176.25 | 176.22 | 176.26 | 175.96 | 176.35 | 176.38 | 176.29 | 176.23 | 175.95 | 176.19 |
| Hr. | 0600 | 0800 | 1600 | 0400 | 1600 | 0100 | 0700 | 1000 | 0900 | 1900 | 1900 | 0900 |
| Day | 23 | 28 | 16 | 11 | 1 | 18 | 3 | 10 | 27 | 16 | 2 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.49

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5014 Harbor Beach, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 176.55 Aug
Daily mean elevation: 176.70 26 Dec
Instant/hourly elevation: 176.78 1300/26 Dec

LOWEST

Monthly mean elevation: 176.36 Feb
Daily mean elevation: 176.22 2 Nov
Instant/hourly elevation: 176.06 2000/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.56 | 176.42 | 176.52 | 176.54 | 176.57 | 176.58 | 176.60 | 176.62 | 176.66 | 176.60 | 176.58 | 176.70 |
| Day | 18     | 28     | 10     | 25     | 24     | 19     | 27     | 31     | 29     | 17     | 27     | 26     |
| Min | 176.28 | 176.27 | 176.32 | 176.34 | 176.46 | 176.43 | 176.44 | 176.50 | 176.48 | 176.42 | 176.22 | 176.45 |
| Day | 23     | 10     | 25     | 11     | 1      | 17     | 3      | 24     | 26     | 9      | 2      | 10     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.65 | | | | | | | | | 1 | | | 1 | 176.65 | 2 |
| 176.60 | | | | | | | | 1 | 3 | | | 4 | 176.60 | 10 |
| 176.55 | 1 | | | | 4 | 1 | 12 | 15 | 3 | 2 | 4 | 6 | 176.55 | 58 |
| 176.50 | 1 | | 1 | 5 | 20 | 23 | 15 | 13 | 13 | 9 | 14 | 10 | 176.50 | 182 |
| 176.45 | 2 | | 6 | 5 | 7 | 5 | 3 | 2 | 10 | 15 | 4 | 9 | 176.45 | 250 |
| 176.40 | 7 | 3 | 6 | 12 | | 1 | 1 | | | 5 | 5 | 1 | 176.40 | 291 |
| 176.35 | 12 | 14 | 10 | 7 | | | | | | | 1 | | 176.35 | 335 |
| 176.30 | 7 | 11 | 8 | 1 | | | | | | | | | 176.30 | 362 |
| 176.25 | 1 | 1 | | | | | | | | | 1 | | 176.25 | 365 |
| 176.20 | | | | | | | | | | | 1 | | 176.20 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5014 Harbor Beach, Michigan on Lake Huron

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 176.36 | 176.38 | 176.40 | 176.41 | 176.46 | 176.53 | 176.50 | 176.55 | 176.56 | 176.52 | 176.42 | 176.54 |
| 2 | 176.35 | 176.37 | 176.34 | 176.45 | 176.51 | 176.51 | 176.46 | 176.58 | 176.48 | 176.53 | 176.22 | 176.56 |
| 3 | 176.34 | 176.33 | 176.34 | 176.42 | 176.56 | 176.52 | 176.44 | 176.57 | 176.49 | 176.55 | 176.30 | 176.61 |
| 4 | 176.39 | 176.40 | 176.34 | 176.39 | 176.54 | 176.50 | 176.52 | 176.58 | 176.53 | 176.52 | 176.47 | 176.55 |
| 5 | 176.41 | 176.39 | 176.35 | 176.42 | 176.53 | 176.50 | 176.54 | 176.57 | 176.48 | 176.51 | 176.52 | 176.62 |
| 6 | 176.39 | 176.31 | 176.32 | 176.37 | 176.53 | 176.52 | 176.54 | 176.55 | 176.49 | 176.50 | 176.53 | 176.59 |
| 7 | 176.43 | 176.37 | 176.34 | 176.38 | 176.51 | 176.53 | 176.52 | 176.53 | 176.52 | 176.48 | 176.49 | 176.63 |
| 8 | 176.33 | 176.38 | 176.39 | 176.42 | 176.52 | 176.54 | 176.49 | 176.52 | 176.52 | 176.45 | 176.45 | 176.56 |
| 9 | 176.34 | 176.39 | 176.35 | 176.38 | 176.52 | 176.53 | 176.54 | 176.58 | 176.52 | 176.42 | 176.42 | 176.48 |
| 10 | 176.43 | 176.27 | 176.52 | 176.41 | 176.52 | 176.52 | 176.54 | 176.56 | 176.55 | 176.49 | 176.42 | 176.45 |
| 11 | 176.40 | 176.42 | 176.48 | 176.34 | 176.48 | 176.51 | 176.54 | 176.59 | 176.58 | 176.50 | 176.51 | 176.52 |
| 12 | 176.31 | 176.35 | 176.50 | 176.49 | 176.50 | 176.51 | 176.53 | 176.57 | 176.51 | 176.54 | 176.49 | 176.55 |
| 13 | 176.40 | 176.32 | 176.47 | 176.45 | 176.56 | 176.53 | 176.56 | 176.56 | 176.49 | 176.57 | 176.51 | 176.52 |
| 14 | 176.52 | 176.35 | 176.46 | 176.41 | 176.55 | 176.52 | 176.57 | 176.56 | 176.48 | 176.50 | 176.58 | 176.49 |
| 15 | 176.45 | 176.36 | 176.45 | 176.40 | 176.50 | 176.48 | 176.57 | 176.55 | 176.51 | 176.47 | 176.53 | 176.47 |
| 16 | 176.40 | 176.36 | 176.37 | 176.39 | 176.50 | 176.48 | 176.56 | 176.55 | 176.49 | 176.46 | 176.51 | 176.46 |
| 17 | 176.44 | 176.36 | 176.46 | 176.44 | 176.49 | 176.43 | 176.55 | 176.53 | 176.52 | 176.60 | 176.51 | 176.56 |
| 18 | 176.56 | 176.32 | 176.43 | 176.43 | 176.55 | 176.47 | 176.58 | 176.54 | 176.55 | 176.54 | 176.51 | 176.54 |
| 19 | 176.46 | 176.33 | 176.40 | 176.39 | 176.51 | 176.58 | 176.55 | 176.58 | 176.62 | 176.53 | 176.51 | 176.47 |
| 20 | 176.38 | 176.35 | 176.43 | 176.42 | 176.52 | 176.55 | 176.58 | 176.53 | 176.54 | 176.44 | 176.41 | 176.60 |
| 21 | 176.43 | 176.37 | 176.42 | 176.43 | 176.50 | 176.53 | 176.59 | 176.53 | 176.52 | 176.49 | 176.37 | 176.53 |
| 22 | 176.31 | 176.34 | 176.39 | 176.48 | 176.51 | 176.54 | 176.55 | 176.53 | 176.64 | 176.46 | 176.58 | 176.52 |
| 23 | 176.28 | 176.36 | 176.41 | 176.48 | 176.57 | 176.51 | 176.55 | 176.50 | 176.62 | 176.45 | 176.55 | 176.57 |
| 24 | 176.48 | 176.33 | 176.38 | 176.50 | 176.57 | 176.51 | 176.55 | 176.50 | 176.53 | 176.54 | 176.54 | 176.61 |
| 25 | 176.40 | 176.32 | 176.32 | 176.54 | 176.53 | 176.53 | 176.54 | 176.51 | 176.49 | 176.48 | 176.54 | 176.53 |
| 26 | 176.38 | 176.37 | 176.40 | 176.53 | 176.54 | 176.52 | 176.56 | 176.51 | 176.48 | 176.49 | 176.48 | 176.70 |
| 27 | 176.33 | 176.41 | 176.44 | 176.53 | 176.55 | 176.55 | 176.60 | 176.56 | 176.50 | 176.49 | 176.58 | 176.47 |
| 28 | 176.36 | 176.42 | 176.46 | 176.51 | 176.53 | 176.52 | 176.57 | 176.59 | 176.59 | 176.45 | 176.55 | 176.46 |
| 29 | 176.38 | 176.38 | 176.40 | 176.49 | 176.52 | 176.51 | 176.56 | 176.60 | 176.66 | 176.47 | 176.55 | 176.46 |
| 30 | 176.38 | | 176.40 | 176.52 | 176.52 | 176.52 | 176.56 | 176.57 | 176.54 | 176.47 | 176.56 | 176.49 |
| 31 | 176.42 | | 176.40 | | 176.54 | | 176.55 | 176.62 | | 176.46 | | 176.53 |
| Mean | 176.40 | 176.36 | 176.40 | 176.44 | 176.52 | 176.52 | 176.54 | 176.55 | 176.53 | 176.50 | 176.49 | 176.54 |
| Max.
Hr.
Day | 176.64
0700
14 | 176.49
0100
29 | 176.63
0900
10 | 176.58
2100
23 | 176.65
1900
2 | 176.62
1300
19 | 176.66
0500
14 | 176.65
1600
10 | 176.76
0300
29 | 176.68
0400
17 | 176.73
2200
22 | 176.78
1300
26 |
| Min.
Hr.
Day | 176.20
0600
23 | 176.19
1000
10 | 176.26
2000
6 | 176.24
1100
11 | 176.37
1400
1 | 176.24
2400
17 | 176.36
1400
3 | 176.40
0600
26 | 176.40
0100
10 | 176.35
1400
9 | 176.06
2000
2 | 176.31
0700
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.48

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5035 Essexville, Michigan on Lake Huron (Saginaw Bay)

HIGHEST

Monthly mean elevation: 176.56 Aug
Daily mean elevation: 176.81 24 May
Instant/hourly elevation: 177.21 0100/23 Nov

LOWEST

Monthly mean elevation: 176.36 Feb
Daily mean elevation: 176.03 25 Dec
Instant/hourly elevation: 175.66 0400/13 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.70 | 176.43 | 176.67 | 176.63 | 176.81 | 176.67 | 176.70 | 176.73 | 176.66 | 176.60 | 176.79 | 176.60 |
| Day | 14     | 15     | 10     | 27     | 24     | 20     | 14     | 27     | 29     | 3      | 23     | 26     |
| Min | 176.25 | 176.26 | 176.28 | 176.36 | 176.43 | 176.39 | 176.42 | 176.38 | 176.40 | 176.22 | 176.16 | 176.03 |
| Day | 12     | 10     | 25     | 6      | 1      | 17     | 3      | 30     | 27     | 9      | 3      | 25     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.80 | | | | | 1 | | | | | | | | 176.80 | 1 |
| 176.75 | | | | | | | | | | | 1 | | 176.75 | 2 |
| 176.70 | | | | | | | | 1 | | | 1 | | 176.70 | 4 |
| 176.65 | 1 | | 1 | | 2 | 1 | 1 | 2 | 1 | | | | 176.65 | 13 |
| 176.60 | | | | 2 | 4 | 3 | 7 | 4 | 2 | | 2 | | 176.60 | 37 |
| 176.55 | | | | 3 | 9 | 6 | 10 | 8 | 5 | 6 | 3 | 5 | 176.55 | 92 |
| 176.50 | | | | 3 | 8 | 17 | 10 | 8 | 7 | 7 | 5 | 9 | 176.50 | 166 |
| 176.45 | 2 | | 4 | 7 | 6 | 1 | 1 | 7 | 11 | 9 | 5 | 9 | 176.45 | 228 |
| 176.40 | 10 | 3 | 13 | 9 | 1 | 1 | 2 | | 3 | 4 | 5 | 4 | 176.40 | 283 |
| 176.35 | 11 | 16 | 11 | 6 | | 1 | | 1 | 1 | 1 | 4 | 1 | 176.35 | 336 |
| 176.30 | 5 | 8 | | | | | | | | 2 | 2 | 1 | 176.30 | 354 |
| 176.25 | 1 | 2 | 2 | | | | | | | 1 | | | 176.25 | 360 |
| 176.20 | 1 | | | | | | | | | 1 | | 1 | 176.20 | 363 |
| 176.15 | | | | | | | | | | | 2 | | 176.15 | 365 |
| 176.10 | | | | | | | | | | | | | 176.10 | 365 |
| 176.05 | | | | | | | | | | | | | 176.05 | 365 |
| 176.00 | | | | | | | | | | | | 1 | 176.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5035 Essexville, Michigan on Lake Huron (Saginaw Bay)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 176.36 | 176.39 | 176.39 | 176.43 | 176.43 | 176.61 | 176.63 | 176.48 | 176.56 | 176.51 | 176.62 | 176.46 |
| 2 | 176.37 | 176.36 | 176.41 | 176.45 | 176.53 | 176.52 | 176.52 | 176.50 | 176.46 | 176.43 | 176.32 | 176.55 |
| 3 | 176.37 | 176.36 | 176.37 | 176.40 | 176.59 | 176.53 | 176.42 | 176.57 | 176.49 | 176.60 | 176.16 | 176.57 |
| 4 | 176.41 | 176.37 | 176.36 | 176.44 | 176.62 | 176.54 | 176.45 | 176.60 | 176.56 | 176.58 | 176.36 | 176.50 |
| 5 | 176.42 | 176.40 | 176.40 | 176.44 | 176.68 | 176.53 | 176.54 | 176.56 | 176.48 | 176.56 | 176.47 | 176.54 |
| 6 | 176.37 | 176.30 | 176.37 | 176.36 | 176.57 | 176.57 | 176.55 | 176.56 | 176.49 | 176.49 | 176.55 | 176.33 |
| 7 | 176.45 | 176.40 | 176.36 | 176.38 | 176.49 | 176.55 | 176.52 | 176.54 | 176.57 | 176.47 | 176.50 | 176.56 |
| 8 | 176.37 | 176.38 | 176.38 | 176.44 | 176.56 | 176.58 | 176.49 | 176.47 | 176.48 | 176.44 | 176.41 | 176.53 |
| 9 | 176.33 | 176.38 | 176.36 | 176.38 | 176.57 | 176.56 | 176.54 | 176.58 | 176.50 | 176.22 | 176.39 | 176.46 |
| 10 | 176.42 | 176.26 | 176.67 | 176.62 | 176.54 | 176.54 | 176.54 | 176.55 | 176.43 | 176.35 | 176.36 | 176.48 |
| 11 | 176.40 | 176.42 | 176.48 | 176.38 | 176.48 | 176.54 | 176.56 | 176.62 | 176.59 | 176.48 | 176.50 | 176.59 |
| 12 | 176.25 | 176.35 | 176.46 | 176.51 | 176.49 | 176.48 | 176.56 | 176.63 | 176.46 | 176.42 | 176.44 | 176.59 |
| 13 | 176.42 | 176.31 | 176.45 | 176.48 | 176.62 | 176.52 | 176.62 | 176.67 | 176.46 | 176.47 | 176.17 | 176.54 |
| 14 | 176.70 | 176.36 | 176.45 | 176.44 | 176.59 | 176.62 | 176.70 | 176.64 | 176.46 | 176.56 | 176.52 | 176.48 |
| 15 | 176.47 | 176.43 | 176.45 | 176.46 | 176.51 | 176.57 | 176.61 | 176.62 | 176.52 | 176.57 | 176.50 | 176.46 |
| 16 | 176.32 | 176.35 | 176.28 | 176.48 | 176.50 | 176.54 | 176.56 | 176.57 | 176.45 | 176.26 | 176.44 | 176.25 |
| 17 | 176.34 | 176.38 | 176.45 | 176.49 | 176.48 | 176.39 | 176.55 | 176.51 | 176.46 | 176.52 | 176.60 | 176.54 |
| 18 | 176.50 | 176.36 | 176.47 | 176.46 | 176.67 | 176.43 | 176.62 | 176.49 | 176.45 | 176.52 | 176.55 | 176.53 |
| 19 | 176.42 | 176.34 | 176.42 | 176.42 | 176.55 | 176.64 | 176.54 | 176.59 | 176.59 | 176.52 | 176.54 | 176.38 |
| 20 | 176.36 | 176.35 | 176.44 | 176.44 | 176.54 | 176.67 | 176.57 | 176.51 | 176.52 | 176.31 | 176.45 | 176.46 |
| 21 | 176.42 | 176.38 | 176.43 | 176.44 | 176.53 | 176.56 | 176.62 | 176.51 | 176.53 | 176.51 | 176.31 | 176.43 |
| 22 | 176.37 | 176.35 | 176.44 | 176.38 | 176.49 | 176.55 | 176.58 | 176.53 | 176.64 | 176.42 | 176.75 | 176.46 |
| 23 | 176.30 | 176.40 | 176.39 | 176.49 | 176.62 | 176.54 | 176.61 | 176.50 | 176.64 | 176.39 | 176.79 | 176.52 |
| 24 | 176.44 | 176.37 | 176.42 | 176.54 | 176.81 | 176.54 | 176.60 | 176.49 | 176.53 | 176.57 | 176.62 | 176.45 |
| 25 | 176.41 | 176.32 | 176.28 | 176.60 | 176.65 | 176.54 | 176.55 | 176.49 | 176.52 | 176.48 | 176.58 | 176.03 |
| 26 | 176.38 | 176.35 | 176.44 | 176.58 | 176.57 | 176.55 | 176.56 | 176.51 | 176.49 | 176.46 | 176.38 | 176.60 |
| 27 | 176.35 | 176.38 | 176.50 | 176.63 | 176.57 | 176.57 | 176.61 | 176.73 | 176.40 | 176.47 | 176.56 | 176.41 |
| 28 | 176.36 | 176.41 | 176.45 | 176.51 | 176.54 | 176.52 | 176.54 | 176.70 | 176.51 | 176.46 | 176.50 | 176.45 |
| 29 | 176.35 | 176.36 | 176.40 | 176.47 | 176.54 | 176.53 | 176.59 | 176.53 | 176.66 | 176.53 | 176.41 | 176.49 |
| 30 | 176.38 | | 176.40 | 176.57 | 176.60 | 176.54 | 176.57 | 176.38 | 176.53 | 176.50 | 176.51 | 176.51 |
| 31 | 176.44 | | 176.42 | | 176.59 | | 176.58 | 176.59 | | 176.52 | | 176.52 |
| Mean | 176.40 | 176.36 | 176.42 | 176.47 | 176.56 | 176.54 | 176.56 | 176.56 | 176.51 | 176.47 | 176.48 | 176.47 |
| Max.
Hr.
Day | 177.07
0800
14 | 176.77
1600
28 | 176.96
0900
10 | 176.78
2400
10 | 177.14
0300
24 | 176.76
2100
7 | 176.93
0700
14 | 176.89
0500
28 | 176.84
2400
22 | 176.79
1300
3 | 177.21
0100
23 | 176.77
1500
5 |
| Min.
Hr.
Day | 176.15
2400
16 | 176.09
2400
29 | 176.03
0200
1 | 176.23
0800
11 | 176.30
1100
1 | 176.16
0100
18 | 176.35
0200
20 | 176.27
1400
30 | 176.10
1100
27 | 175.96
1900
16 | 175.66
0400
13 | 175.83
1300
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.48

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5059 Harrisville, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 176.54 Aug
Daily mean elevation: 176.67 26 Dec
Instant/hourly elevation: 176.71 1000/26 Dec

LOWEST

Monthly mean elevation: 176.34 Feb
Daily mean elevation: 176.29 6 Mar
Instant/hourly elevation: 176.15 2200/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.51 | 176.39 | 176.43 | 176.52 | 176.55 | 176.56 | 176.58 | 176.59 | 176.61 | 176.56 | 176.57 | 176.67 |
| Day | 18 | 27 | 13 | 25 | 23 | 19 | 27 | 31 | 29 | 17 | 29 | 26 |
| Min | 176.32 | 176.31 | 176.29 | 176.36 | 176.48 | 176.45 | 176.43 | 176.50 | 176.48 | 176.44 | 176.32 | 176.47 |
| Day | 23 | 25 | 6 | 11 | 11 | 17 | 3 | 26 | 26 | 31 | 3 | 16 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.65 | | | | | | | | | | | | 1 | 176.65 | 1 |
| 176.60 | | | | | | | | | 1 | | | 1 | 176.60 | 3 |
| 176.55 | | | | | | 1 | 7 | 7 | 4 | 1 | 4 | 5 | 176.55 | 32 |
| 176.50 | 1 | | | 2 | 23 | 19 | 19 | 20 | 17 | 5 | 8 | 13 | 176.50 | 159 |
| 176.45 | 1 | | | 7 | 8 | 9 | 3 | 4 | 8 | 19 | 11 | 11 | 176.45 | 240 |
| 176.40 | 6 | | 8 | 10 | | 1 | 2 | | | 6 | 5 | | 176.40 | 278 |
| 176.35 | 15 | 11 | 16 | 11 | | | | | | | | | 176.35 | 331 |
| 176.30 | 8 | 18 | 6 | | | | | | | | 2 | | 176.30 | 365 |
| 176.25 | | | 1 | | | | | | | | | | 176.25 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 907-5059 Harrisville, Michigan on Lake Huron

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 176.37 | 176.36 | 176.40 | 176.38 | 176.49 | 176.52 | 176.49 | 176.56 | 176.54 | 176.52 | 176.43 | 176.55 |
| 2 | 176.35 | 176.36 | 176.33 | 176.41 | 176.52 | 176.51 | 176.44 | 176.56 | 176.50 | 176.54 | 176.34 | 176.55 |
| 3 | 176.34 | 176.34 | 176.32 | 176.41 | 176.54 | 176.51 | 176.43 | 176.54 | 176.51 | 176.52 | 176.32 | 176.58 |
| 4 | 176.38 | 176.34 | 176.33 | 176.38 | 176.52 | 176.49 | 176.53 | 176.55 | 176.53 | 176.50 | 176.47 | 176.53 |
| 5 | 176.39 | 176.38 | 176.32 | 176.40 | 176.51 | 176.49 | 176.52 | 176.56 | 176.49 | 176.50 | 176.50 | 176.57 |
| 6 | 176.38 | 176.32 | 176.29 | 176.38 | 176.52 | 176.52 | 176.53 | 176.55 | 176.50 | 176.50 | 176.48 | 176.58 |
| 7 | 176.41 | 176.35 | 176.32 | 176.39 | 176.52 | 176.52 | 176.50 | 176.52 | 176.51 | 176.48 | 176.47 | 176.61 |
| 8 | 176.35 | 176.34 | 176.37 | 176.41 | 176.50 | 176.53 | 176.49 | 176.53 | 176.52 | 176.46 | 176.46 | 176.54 |
| 9 | 176.34 | 176.37 | 176.36* | 176.38 | 176.50 | 176.53 | 176.54 | 176.57 | 176.53 | 176.44 | 176.45 | 176.50 |
| 10 | 176.41 | 176.31 | 176.36 | 176.41 | 176.51 | 176.52 | 176.52 | 176.54 | 176.52 | 176.50 | 176.45 | 176.48 |
| 11 | 176.41 | 176.36 | 176.39 | 176.36 | 176.48 | 176.51 | 176.53 | 176.58 | 176.55 | 176.49 | 176.51 | 176.51 |
| 12 | 176.34 | 176.35 | 176.42 | 176.44 | 176.51 | 176.52 | 176.52 | 176.55 | 176.51 | 176.51 | 176.48 | 176.53 |
| 13 | 176.40 | 176.31 | 176.43 | 176.44 | 176.55 | 176.52 | 176.54 | 176.54 | 176.50 | 176.54 | 176.50 | 176.50 |
| 14 | 176.40 | 176.34 | 176.42 | 176.40 | 176.54 | 176.50 | 176.54 | 176.54 | 176.49 | 176.49 | 176.56 | 176.49 |
| 15 | 176.41 | 176.35 | 176.41 | 176.40 | 176.50 | 176.47 | 176.55 | 176.52 | 176.50 | 176.47 | 176.51 | 176.48 |
| 16 | 176.39 | 176.33 | 176.39 | 176.39 | 176.50 | 176.48 | 176.54 | 176.52 | 176.51 | 176.45 | 176.51 | 176.47 |
| 17 | 176.40 | 176.35 | 176.42 | 176.43 | 176.52 | 176.45 | 176.55 | 176.53 | 176.53 | 176.56 | 176.50 | 176.54 |
| 18 | 176.51 | 176.31 | 176.41 | 176.42 | 176.54 | 176.53 | 176.57 | 176.53 | 176.53 | 176.50 | 176.50 | 176.54 |
| 19 | 176.46 | 176.32 | 176.38 | 176.39 | 176.50 | 176.56 | 176.56 | 176.54 | 176.60 | 176.50 | 176.50 | 176.48 |
| 20 | 176.38 | 176.36 | 176.41 | 176.42 | 176.51 | 176.51 | 176.57 | 176.53 | 176.55 | 176.45 | 176.43 | 176.57 |
| 21 | 176.42 | 176.34 | 176.40 | 176.43 | 176.50 | 176.52 | 176.57 | 176.54 | 176.52 | 176.47 | 176.42 | 176.55 |
| 22 | 176.34 | 176.33 | 176.37 | 176.46 | 176.51 | 176.53 | 176.54 | 176.53 | 176.57 | 176.46 | 176.55 | 176.52 |
| 23 | 176.32 | 176.36 | 176.39 | 176.48 | 176.55 | 176.50 | 176.53 | 176.50 | 176.59 | 176.47 | 176.55 | 176.53 |
| 24 | 176.40 | 176.32 | 176.38 | 176.48 | 176.53 | 176.50 | 176.54 | 176.50 | 176.53 | 176.50 | 176.54 | 176.59 |
| 25 | 176.39 | 176.31 | 176.35 | 176.52 | 176.53 | 176.51 | 176.54 | 176.50 | 176.50 | 176.47 | 176.54 | 176.53 |
| 26 | 176.38 | 176.36 | 176.38 | 176.50 | 176.52 | 176.50 | 176.54 | 176.50 | 176.48 | 176.46 | 176.48 | 176.67 |
| 27 | 176.34 | 176.39 | 176.37 | 176.50 | 176.54 | 176.54 | 176.58 | 176.53 | 176.52 | 176.48 | 176.56 | 176.50 |
| 28 | 176.36 | 176.38 | 176.42 | 176.51 | 176.52 | 176.52 | 176.57 | 176.54 | 176.56 | 176.45 | 176.55 | 176.48 |
| 29 | 176.41 | 176.36 | 176.39 | 176.50 | 176.51 | 176.50 | 176.56 | 176.58 | 176.61 | 176.44 | 176.57 | 176.49 |
| 30 | 176.39 | | 176.39 | 176.50 | 176.51 | 176.51 | 176.55 | 176.55 | 176.52 | 176.46 | 176.56 | 176.48 |
| 31 | 176.39 | | 176.39 | | 176.52 | | 176.54 | 176.59 | | 176.44 | | 176.51 |
| Mean | 176.39 | 176.34 | 176.38 | 176.43 | 176.52 | 176.51 | 176.53 | 176.54 | 176.53 | 176.48 | 176.49 | 176.53 |
| Max.
Hr.
Day | 176.54
1600
18 | 176.42
1500
27 | 176.46
0200
13 | 176.53
1300
28 | 176.66
1300
2 | 176.62
2100
18 | 176.63
1400
27 | 176.63
1800
2 | 176.66
0100
23 | 176.58
0400
17 | 176.68
0200
23 | 176.71
1000
26 |
| Min.
Hr.
Day | 176.25
2300
22 | 176.25
0400
21 | 176.25
1800
10 | 176.30
1100
11 | 176.38
1800
1 | 176.30
2200
17 | 176.33
1000
3 | 176.45
1000
10 | 176.42
1500
27 | 176.35
1700
16 | 176.15
2200
2 | 176.34
0600
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.47

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5080 Mackinaw City, Michigan on Straits of Mackinac

HIGHEST

Monthly mean elevation: 176.53 Dec
Daily mean elevation: 176.59 1 Dec
Instant/hourly elevation: 176.81 0700/25 Dec

LOWEST

Monthly mean elevation: 176.33 Feb
Daily mean elevation: 176.26 10 Mar
Instant/hourly elevation: 176.15 1000/10 Mar

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.44 | 176.39 | 176.44 | 176.51 | 176.55 | 176.55 | 176.58 | 176.57 | 176.56 | 176.57 | 176.58 | 176.59 |
| Day | 16 | 10 | 16 | 28 | 7 | 18 | 19 | 30 | 20 | 9 | 29 | 1 |
| Min | 176.28 | 176.26 | 176.26 | 176.34 | 176.48 | 176.48 | 176.47 | 176.48 | 176.49 | 176.42 | 176.45 | 176.48 |
| Day | 14 | 11 | 10 | 1 | 5 | 15 | 1 | 28 | 29 | 31 | 7 | 31 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.55 | | | | | | | 2 | 2 | 2 | 1 | 3 | 8 | 176.55 | 18 |
| 176.50 | | | | 1 | 18 | 16 | 26 | 23 | 22 | 7 | 11 | 17 | 176.50 | 159 |
| 176.45 | | | | 11 | 13 | 14 | 3 | 6 | 6 | 15 | 14 | 6 | 176.45 | 247 |
| 176.40 | 3 | | 2 | 3 | | | | | | 8 | 2 | | 176.40 | 265 |
| 176.35 | 20 | 6 | 14 | 12 | | | | | | | | | 176.35 | 317 |
| 176.30 | 6 | 18 | 12 | 3 | | | | | | | | | 176.30 | 356 |
| 176.25 | 2 | 5 | 3 | | | | | | | | | | 176.25 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5080 Mackinaw City, Michigan on Straits of Mackinac

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 176.38 | 176.34 | 176.36 | 176.34 | 176.54 | 176.49 | 176.47 | 176.57 | 176.50 | 176.54 | 176.46 | 176.59 |
| 2 | 176.37 | 176.36 | 176.34 | 176.36 | 176.51 | 176.51 | 176.49 | 176.54 | 176.54 | 176.54 | 176.57 | 176.52 |
| 3 | 176.38 | 176.35 | 176.33 | 176.38 | 176.50 | 176.51 | 176.53 | 176.53 | 176.51 | 176.48 | 176.54 | 176.52 |
| 4 | 176.37 | 176.27 | 176.35 | 176.35 | 176.49 | 176.51 | 176.54 | 176.52 | 176.50 | 176.49 | 176.50 | 176.52 |
| 5 | 176.37 | 176.35 | 176.31 | 176.38 | 176.48 | 176.51 | 176.51 | 176.53 | 176.52 | 176.50 | 176.46 | 176.54 |
| 6 | 176.38 | 176.37 | 176.33 | 176.41 | 176.51 | 176.51 | 176.50 | 176.53 | 176.50 | 176.52 | 176.45 | 176.58 |
| 7 | 176.35 | 176.32 | 176.34 | 176.38 | 176.55 | 176.51 | 176.51 | 176.53 | 176.49 | 176.50 | 176.45 | 176.50 |
| 8 | 176.39 | 176.29 | 176.37 | 176.38 | 176.50 | 176.50 | 176.52 | 176.53 | 176.52 | 176.50 | 176.48 | 176.52 |
| 9 | 176.37 | 176.33 | 176.32 | 176.39 | 176.50 | 176.50 | 176.52 | 176.54 | 176.54 | 176.57 | 176.50 | 176.55 |
| 10 | 176.38 | 176.39 | 176.26 | 176.35 | 176.51 | 176.50 | 176.52 | 176.54 | 176.52 | 176.53 | 176.54 | 176.55 |
| 11 | 176.39 | 176.26 | 176.32 | 176.39 | 176.54 | 176.51 | 176.52 | 176.53 | 176.52 | 176.50 | 176.49 | 176.51 |
| 12 | 176.43 | 176.33 | 176.30 | 176.36 | 176.53 | 176.52 | 176.53 | 176.52 | 176.54 | 176.52 | 176.48 | 176.51 |
| 13 | 176.35 | 176.33 | 176.36 | 176.40 | 176.50 | 176.51 | 176.53 | 176.51 | 176.53 | 176.51 | 176.53 | 176.51 |
| 14 | 176.28 | 176.32 | 176.35 | 176.39 | 176.50 | 176.48 | 176.53 | 176.50 | 176.52 | 176.45 | 176.49 | 176.53 |
| 15 | 176.35 | 176.30 | 176.36 | 176.39 | 176.53 | 176.48 | 176.55 | 176.50 | 176.51 | 176.46 | 176.50 | 176.54 |
| 16 | 176.44 | 176.32 | 176.44 | 176.39 | 176.54 | 176.49 | 176.56 | 176.51 | 176.55 | 176.48 | 176.50 | 176.56 |
| 17 | 176.34 | 176.33 | 176.33 | 176.42 | 176.52 | 176.55 | 176.55 | 176.53 | 176.55 | 176.50 | 176.48 | 176.50 |
| 18 | 176.39 | 176.31 | 176.36 | 176.42 | 176.50 | 176.55 | 176.54 | 176.52 | 176.56 | 176.45 | 176.48 | 176.54 |
| 19 | 176.38 | 176.30 | 176.35 | 176.46 | 176.52 | 176.50 | 176.58 | 176.50 | 176.55 | 176.48 | 176.48 | 176.56 |
| 20 | 176.39 | 176.37 | 176.35 | 176.46 | 176.52 | 176.52 | 176.54 | 176.52 | 176.56 | 176.51 | 176.55 | 176.51 |
| 21 | 176.33 | 176.32 | 176.36 | 176.47 | 176.52 | 176.51 | 176.54 | 176.53 | 176.54 | 176.46 | 176.53 | 176.58 |
| 22 | 176.38 | 176.34 | 176.36 | 176.50 | 176.54 | 176.51 | 176.54 | 176.51 | 176.49 | 176.50 | 176.49 | 176.54 |
| 23 | 176.38 | 176.32 | 176.38 | 176.47 | 176.50 | 176.50 | 176.53 | 176.52 | 176.53 | 176.50 | 176.52 | 176.48 |
| 24 | 176.30 | 176.33 | 176.39 | 176.46 | 176.50 | 176.50 | 176.54 | 176.53 | 176.54 | 176.44 | 176.53 | 176.58 |
| 25 | 176.36 | 176.34 | 176.41 | 176.47 | 176.50 | 176.51 | 176.55 | 176.52 | 176.53 | 176.48 | 176.51 | 176.56 |
| 26 | 176.36 | 176.36 | 176.36 | 176.46 | 176.50 | 176.50 | 176.54 | 176.48 | 176.53 | 176.45 | 176.55 | 176.52 |
| 27 | 176.36 | 176.33 | 176.29 | 176.46 | 176.51 | 176.50 | 176.51 | 176.48 | 176.54 | 176.46 | 176.53 | 176.56 |
| 28 | 176.38 | 176.32 | 176.36 | 176.51 | 176.52 | 176.54 | 176.54 | 176.48 | 176.52 | 176.45 | 176.56 | 176.49 |
| 29 | 176.42 | 176.36 | 176.37 | 176.50 | 176.52 | 176.50 | 176.52 | 176.51 | 176.49 | 176.43 | 176.58 | 176.52 |
| 30 | 176.36 | | 176.38 | 176.48 | 176.50 | 176.50 | 176.51 | 176.57 | 176.51 | 176.44 | 176.53 | 176.50 |
| 31 | 176.32 | | 176.37 | | 176.51 | | 176.52 | 176.51 | | 176.42 | | 176.48 |
| Mean | 176.37 | 176.33 | 176.35 | 176.42 | 176.51 | 176.51 | 176.53 | 176.52 | 176.52 | 176.48 | 176.51 | 176.53 |
| Max.
Hr.
Day | 176.60
2100
20 | 176.52
1700
20 | 176.54
1800
16 | 176.55
1700
28 | 176.64
0900
1 | 176.70
1400
18 | 176.64
2200
19 | 176.71
0300
30 | 176.72
0900
18 | 176.66
0800
12 | 176.65
0900
21 | 176.81
0700
25 |
| Min.
Hr.
Day | 176.19
0800
24 | 176.16
1600
4 | 176.15
1000
10 | 176.26
0200
16 | 176.40
2000
1 | 176.42
0200
15 | 176.41
0300
2 | 176.42
1000
26 | 176.37
1900
28 | 176.35
1500
12 | 176.39
2400
5 | 176.29
1400
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.47

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5099 De Tour Village, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 176.53 Dec
Daily mean elevation: 176.65 26 Dec
Instant/hourly elevation: 176.74 0700/25 Dec

LOWEST

Monthly mean elevation: 176.33 Feb
Daily mean elevation: 176.24 10 Mar
Instant/hourly elevation: 176.15 1300/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.47 | 176.40 | 176.43 | 176.51 | 176.55 | 176.54 | 176.57 | 176.56 | 176.58 | 176.54 | 176.58 | 176.65 |
| Day | 18 | 10 | 16 | 29 | 7 | 18 | 19 | 1 | 19 | 10 | 29 | 26 |
| Min | 176.25 | 176.26 | 176.24 | 176.33 | 176.47 | 176.46 | 176.43 | 176.43 | 176.47 | 176.40 | 176.38 | 176.44 |
| Day | 14 | 4 | 10 | 11 | 5 | 15 | 2 | 28 | 22 | 16 | 3 | 31 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.60 | | | | | | | | | | | | 3 | 176.60 | 3 |
| 176.55 | | | | | | | 1 | 1 | 4 | | 3 | 4 | 176.55 | 16 |
| 176.50 | | | | 2 | 20 | 18 | 24 | 22 | 16 | 8 | 6 | 17 | 176.50 | 149 |
| 176.45 | 2 | | | 6 | 11 | 12 | 4 | 7 | 10 | 14 | 15 | 6 | 176.45 | 236 |
| 176.40 | 3 | | 1 | 9 | | | 2 | 1 | | 8 | 4 | 1 | 176.40 | 265 |
| 176.35 | 19 | 7 | 16 | 8 | | | | | | 1 | 2 | | 176.35 | 318 |
| 176.30 | 5 | 14 | 10 | 5 | | | | | | | | | 176.30 | 352 |
| 176.25 | 1 | 8 | 3 | | | | | | | | | | 176.25 | 364 |
| 176.20 | 1 | | 1 | | | | | | | | | | 176.20 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-5099 De Tour Village, Michigan on Lake Huron

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 176.38 | 176.33 | 176.38 | 176.34 | 176.51 | 176.51 | 176.46 | 176.56 | 176.50 | 176.53 | 176.41 | 176.57 |
| 2 | 176.39 | 176.37 | 176.32 | 176.36 | 176.47 | 176.51 | 176.43 | 176.55 | 176.52 | 176.54 | 176.40 | 176.54 |
| 3 | 176.36 | 176.36 | 176.32 | 176.40 | 176.52 | 176.52 | 176.45 | 176.52 | 176.49 | 176.50 | 176.38 | 176.52 |
| 4 | 176.37 | 176.26 | 176.34 | 176.34 | 176.49 | 176.49 | 176.53 | 176.50 | 176.51 | 176.47 | 176.47 | 176.53 |
| 5 | 176.38 | 176.37 | 176.31 | 176.38 | 176.47 | 176.50 | 176.52 | 176.53 | 176.50 | 176.48 | 176.49 | 176.53 |
| 6 | 176.37 | 176.36 | 176.30 | 176.41 | 176.51 | 176.52 | 176.51 | 176.54 | 176.49 | 176.51 | 176.43 | 176.58 |
| 7 | 176.37 | 176.31 | 176.31 | 176.37 | 176.55 | 176.51 | 176.50 | 176.51 | 176.49 | 176.51 | 176.45 | 176.57 |
| 8 | 176.38 | 176.29 | 176.37 | 176.41 | 176.51 | 176.51 | 176.50 | 176.51 | 176.50 | 176.48 | 176.48 | 176.53 |
| 9 | 176.34 | 176.34 | 176.35 | 176.38 | 176.48 | 176.51 | 176.52 | 176.55 | 176.55 | 176.52 | 176.50 | 176.55 |
| 10 | 176.40 | 176.40 | 176.24 | 176.37 | 176.51 | 176.51 | 176.53 | 176.54 | 176.50 | 176.54 | 176.51 | 176.52 |
| 11 | 176.42 | 176.28 | 176.30 | 176.33 | 176.52 | 176.51 | 176.52 | 176.53 | 176.53 | 176.49 | 176.50 | 176.48 |
| 12 | 176.40 | 176.35 | 176.31 | 176.34 | 176.52 | 176.52 | 176.51 | 176.51 | 176.52 | 176.49 | 176.47 | 176.51 |
| 13 | 176.38 | 176.33 | 176.37 | 176.43 | 176.50 | 176.52 | 176.52 | 176.50 | 176.54 | 176.52 | 176.48 | 176.50 |
| 14 | 176.25 | 176.33 | 176.36 | 176.38 | 176.52 | 176.48 | 176.52 | 176.51 | 176.52 | 176.48 | 176.55 | 176.51 |
| 15 | 176.35 | 176.29 | 176.36 | 176.39 | 176.51 | 176.46 | 176.54 | 176.50 | 176.51 | 176.43 | 176.50 | 176.55 |
| 16 | 176.42 | 176.29 | 176.43 | 176.35 | 176.53 | 176.48 | 176.55 | 176.50 | 176.54 | 176.40 | 176.51 | 176.52 |
| 17 | 176.35 | 176.34 | 176.35 | 176.41 | 176.51 | 176.52 | 176.54 | 176.52 | 176.56 | 176.53 | 176.45 | 176.51 |
| 18 | 176.47 | 176.30 | 176.38 | 176.42 | 176.52 | 176.54 | 176.54 | 176.52 | 176.54 | 176.46 | 176.47 | 176.55 |
| 19 | 176.46 | 176.27 | 176.34 | 176.41 | 176.51 | 176.51 | 176.57 | 176.50 | 176.58 | 176.47 | 176.49 | 176.53 |
| 20 | 176.39 | 176.36 | 176.36 | 176.44 | 176.52 | 176.48 | 176.53 | 176.51 | 176.56 | 176.50 | 176.51 | 176.51 |
| 21 | 176.36 | 176.31 | 176.37 | 176.45 | 176.52 | 176.48 | 176.54 | 176.53 | 176.53 | 176.45 | 176.46 | 176.61 |
| 22 | 176.40 | 176.33 | 176.34 | 176.50 | 176.53 | 176.51 | 176.53 | 176.52 | 176.47 | 176.49 | 176.50 | 176.54 |
| 23 | 176.36 | 176.33 | 176.38 | 176.49 | 176.49 | 176.50 | 176.51 | 176.51 | 176.56 | 176.49 | 176.46 | 176.47 |
| 24 | 176.29 | 176.31 | 176.39 | 176.45 | 176.48 | 176.49 | 176.53 | 176.52 | 176.53 | 176.45 | 176.49 | 176.59 |
| 25 | 176.38 | 176.30 | 176.38 | 176.48 | 176.49 | 176.51 | 176.54 | 176.52 | 176.51 | 176.47 | 176.51 | 176.53 |
| 26 | 176.36 | 176.36 | 176.38 | 176.47 | 176.50 | 176.49 | 176.52 | 176.47 | 176.51 | 176.44 | 176.50 | 176.65 |
| 27 | 176.34 | 176.35 | 176.27 | 176.46 | 176.52 | 176.51 | 176.52 | 176.47 | 176.50 | 176.47 | 176.53 | 176.61 |
| 28 | 176.36 | 176.34 | 176.37 | 176.51 | 176.52 | 176.53 | 176.54 | 176.43 | 176.51 | 176.44 | 176.56 | 176.49 |
| 29 | 176.44 | 176.35 | 176.38 | 176.51 | 176.52 | 176.50 | 176.51 | 176.52 | 176.54 | 176.41 | 176.58 | 176.48 |
| 30 | 176.39 | | 176.38 | 176.48 | 176.49 | 176.50 | 176.52 | 176.54 | 176.50 | 176.44 | 176.56 | 176.46 |
| 31 | 176.34 | | 176.39 | | 176.50 | | 176.50 | 176.53 | | 176.42 | | 176.44 |
| Mean | 176.38 | 176.33 | 176.35 | 176.42 | 176.51 | 176.50 | 176.52 | 176.52 | 176.52 | 176.48 | 176.49 | 176.53 |
| Max.
Hr.
Day | 176.51
1900
18 | 176.47
0600
28 | 176.49
1700
16 | 176.55
1600
28 | 176.58
0500
3 | 176.63
0100
18 | 176.61
2200
19 | 176.63
0500
30 | 176.65
0600
28 | 176.60
0900
12 | 176.60
0800
30 | 176.74
0700
25 |
| Min.
Hr.
Day | 176.15
1300
14 | 176.18
1200
4 | 176.19
0900
10 | 176.23
0600
12 | 176.40
0100
2 | 176.43
1200
15 | 176.38
1500
2 | 176.41
1100
28 | 176.34
1900
28 | 176.28
1500
16 | 176.26
2400
2 | 176.28
1500
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.46

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-6060 US Slip, Sault St Marie, Michigan below locks on St Marys R

HIGHEST

Monthly mean elevation: 176.96 Feb
Daily mean elevation: 177.15 19 Jan
Instant/hourly elevation: 177.19 2300/19 Jan

LOWEST

Monthly mean elevation: 176.81 Apr
Daily mean elevation: 176.64 12 Apr
Instant/hourly elevation: 176.54 2300/28 Sep

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 177.15 | 177.00 | 177.00 | 176.96 | 176.96 | 176.91 | 176.90 | 176.95 | 176.97 | 176.98 | 177.01 | 177.01 |
| Day | 19 | 10 | 18 | 3 | 1 | 18 | 28 | 30 | 20 | 9 | 2 | 27 |
| Min | 176.68 | 176.77 | 176.80 | 176.64 | 176.76 | 176.78 | 176.75 | 176.83 | 176.76 | 176.78 | 176.76 | 176.71 |
| Day | 14 | 29 | 29 | 12 | 23 | 21 | 31 | 28 | 30 | 16 | 7 | 5 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 177.10 | 2 | | | | | | | | | | | | 177.10 | 2 |
| 177.05 | 5 | | | | | | | | | | | | 177.05 | 7 |
| 177.00 | 5 | | | | | | | | | | 1 | 1 | 177.00 | 14 |
| 176.95 | 2 | 19 | 7 | 1 | 1 | | | | 4 | 1 | | 2 | 176.95 | 51 |
| 176.90 | | 9 | 13 | 4 | 2 | 1 | | 9 | 10 | 5 | 3 | 12 | 176.90 | 119 |
| 176.85 | 2 | | 6 | 6 | 16 | 8 | 10 | 16 | 12 | 10 | 12 | 6 | 176.85 | 223 |
| 176.80 | 1 | | 4 | 5 | 8 | 20 | 13 | 6 | | 12 | 11 | 5 | 176.80 | 308 |
| 176.75 | 10 | 1 | 1 | 4 | 4 | 1 | 6 | | 4 | 3 | 3 | 3 | 176.75 | 348 |
| 176.70 | 3 | | | 6 | | | 2 | | | | | 2 | 176.70 | 361 |
| 176.65 | 1 | | | 3 | | | | | | | | | 176.65 | 365 |
| 176.60 | | | | 1 | | | | | | | | | 176.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-6060 US Slip, Sault St Marie, Michigan below locks on St Marys R

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 176.77 | 176.97 | 176.95 | 176.88 | 176.96 | 176.84 | 176.83 | 176.91 | 176.89 | 176.88 | 176.85 | 176.92 |
| 2 | 176.80 | 177.00 | 176.93 | 176.91 | 176.82 | 176.85 | 176.84 | 176.91 | 176.97 | 176.91 | 177.01 | 176.93 |
| 3 | 176.79 | 177.00 | 176.90 | 176.96 | 176.86 | 176.87 | 176.88 | 176.87 | 176.89 | 176.85 | 176.85 | 176.82 |
| 4 | 176.77 | 176.97 | 176.92 | 176.93 | 176.87 | 176.87 | 176.86 | 176.84 | 176.90 | 176.83 | 176.85 | 176.91 |
| 5 | 176.77 | 176.99 | 176.92 | 176.93 | 176.84 | 176.86 | 176.84 | 176.88 | 176.91 | 176.88 | 176.88 | 176.71 |
| 6 | 176.76 | 176.99 | 176.90 | 176.91 | 176.89 | 176.86 | 176.83 | 176.92 | 176.88 | 176.91 | 176.80 | 176.81 |
| 7 | 176.75 | 176.98 | 176.87 | 176.83 | 176.92 | 176.85 | 176.86 | 176.92 | 176.86 | 176.92 | 176.76 | 176.87 |
| 8 | 176.80 | 176.95 | 176.88 | 176.80 | 176.91 | 176.81 | 176.88 | 176.85 | 176.87 | 176.90 | 176.82 | 176.89 |
| 9 | 176.75 | 176.95 | 176.91 | 176.77 | 176.87 | 176.81 | 176.85 | 176.88 | 176.96 | 176.98 | 176.92 | 176.94 |
| 10 | 176.75 | 177.00 | 176.83 | 176.75 | 176.86 | 176.84 | 176.88 | 176.89 | 176.89 | 176.94 | 176.92 | 176.93 |
| 11 | 176.80 | 176.97 | 176.85 | 176.73 | 176.88 | 176.85 | 176.85 | 176.88 | 176.91 | 176.87 | 176.87 | 176.80 |
| 12 | 176.79 | 176.98 | 176.87 | 176.64 | 176.87 | 176.85 | 176.86 | 176.90 | 176.91 | 176.85 | 176.88 | 176.74 |
| 13 | 176.77 | 176.99 | 176.95 | 176.76 | 176.77 | 176.83 | 176.79 | 176.89 | 176.94 | 176.87 | 176.78 | 176.76 |
| 14 | 176.68 | 176.98 | 176.96 | 176.70 | 176.85 | 176.82 | 176.77 | 176.90 | 176.92 | 176.88 | 176.89 | 176.87 |
| 15 | 176.81 | 176.96 | 176.95 | 176.71 | 176.87 | 176.83 | 176.80 | 176.89 | 176.90 | 176.83 | 176.86 | 176.92 |
| 16 | 176.86 | 176.94 | 176.97 | 176.68 | 176.89 | 176.84 | 176.83 | 176.89 | 176.94 | 176.78 | 176.88 | 176.92 |
| 17 | 176.89 | 176.98 | 176.99 | 176.69 | 176.85 | 176.90 | 176.83 | 176.92 | 176.91 | 176.83 | 176.83 | 176.85 |
| 18 | 176.98 | 176.95 | 177.00 | 176.75 | 176.86 | 176.91 | 176.86 | 176.90 | 176.90 | 176.86 | 176.83 | 176.89 |
| 19 | 177.15 | 176.93 | 176.95 | 176.73 | 176.87 | 176.81 | 176.90 | 176.85 | 176.90 | 176.86 | 176.86 | 176.93 |
| 20 | 177.11 | 176.95 | 176.96 | 176.75 | 176.88 | 176.81 | 176.75 | 176.90 | 176.97 | 176.94 | 176.94 | 176.84 |
| 21 | 177.04 | 176.95 | 176.96 | 176.80 | 176.86 | 176.78 | 176.79 | 176.89 | 176.95 | 176.85 | 176.87 | 176.97 |
| 22 | 176.97 | 176.96 | 176.94 | 176.89 | 176.87 | 176.84 | 176.82 | 176.86 | 176.76 | 176.90 | 176.85 | 176.88 |
| 23 | 177.09 | 176.96 | 176.95 | 176.88 | 176.76 | 176.88 | 176.80 | 176.91 | 176.93 | 176.88 | 176.84 | 176.80 |
| 24 | 177.04 | 176.95 | 176.96 | 176.81 | 176.78 | 176.84 | 176.83 | 176.91 | 176.96 | 176.80 | 176.86 | 176.89 |
| 25 | 177.03 | 176.95 | 176.94 | 176.86 | 176.82 | 176.86 | 176.90 | 176.92 | 176.94 | 176.85 | 176.87 | 176.93 |
| 26 | 177.06 | 176.99 | 176.90 | 176.85 | 176.81 | 176.84 | 176.84 | 176.83 | 176.90 | 176.81 | 176.85 | 176.97 |
| 27 | 177.06 | 176.98 | 176.83 | 176.82 | 176.80 | 176.82 | 176.80 | 176.86 | 176.80 | 176.85 | 176.85 | 177.01 |
| 28 | 177.05 | 176.98 | 176.81 | 176.87 | 176.85 | 176.88 | 176.90 | 176.83 | 176.86 | 176.85 | 176.89 | 176.91 |
| 29 | 177.09 | 176.77 | 176.80 | 176.88 | 176.86 | 176.84 | 176.83 | 176.85 | 176.78 | 176.80 | 176.82 | 176.94 |
| 30 | 177.08 | | 176.92 | 176.85 | 176.86 | 176.85 | 176.82 | 176.95 | 176.76 | 176.84 | 176.88 | 176.91 |
| 31 | 177.04 | | 176.94 | | 176.83 | | 176.75 | 176.89 | | 176.82 | | 176.83 |
| Mean | 176.91 | 176.96 | 176.92 | 176.81 | 176.86 | 176.84 | 176.83 | 176.89 | 176.90 | 176.86 | 176.86 | 176.88 |
| Max. | 177.19 | 177.02 | 177.02 | 176.99 | 177.05 | 176.98 | 176.98 | 177.06 | 177.06 | 177.04 | 177.13 | 177.09 |
| Hr. | 2300 | 1400 | 2400 | 0100 | 1400 | 1300 | 1600 | 1200 | 1100 | 1100 | 1500 | 1500 |
| Day | 19 | 6 | 24 | 3 | 1 | 17 | 28 | 21 | 18 | 9 | 2 | 21 |
| Min. | 176.63 | 176.71 | 176.76 | 176.56 | 176.63 | 176.71 | 176.64 | 176.75 | 176.54 | 176.60 | 176.58 | 176.60 |
| Hr. | 1700 | 2000 | 1400 | 1300 | 2000 | 2000 | 1600 | 1900 | 2300 | 0100 | 1600 | 1600 |
| Day | 14 | 29 | 29 | 12 | 23 | 21 | 20 | 26 | 28 | 17 | 7 | 5 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.88

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-6070 SW Pier, Sault St Marie, Michigan above locks, St Marys R

HIGHEST

Monthly mean elevation: 183.40 Oct
Daily mean elevation: 183.62 28 Sep
Instant/hourly elevation: 184.14 1500/28 Sep

LOWEST

Monthly mean elevation: 182.99 Apr
Daily mean elevation: 182.85 15 Apr
Instant/hourly elevation: 182.52 1700/1 May

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 183.42 | 183.18 | 183.14 | 183.15 | 183.33 | 183.27 | 183.42 | 183.41 | 183.62 | 183.59 | 183.60 | 183.60 |
| Day | 17 | 4 | 9 | 24 | 23 | 21 | 20 | 30 | 28 | 16 | 13 | 25 |
| Min | 183.00 | 183.01 | 182.93 | 182.85 | 182.96 | 183.08 | 183.14 | 183.26 | 183.21 | 183.29 | 183.05 | 183.17 |
| Day | 22 | 20 | 24 | 15 | 1 | 17 | 2 | 23 | 2 | 22 | 2 | 9 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 183.60 | | | | | | | | | 1 | | | | 183.60 | 1 |
| 183.55 | | | | | | | | | 1 | 1 | 1 | 1 | 183.55 | 5 |
| 183.50 | | | | | | | | | 1 | 1 | | | 183.50 | 7 |
| 183.45 | | | | | | | | | 1 | 4 | | 2 | 183.45 | 14 |
| 183.40 | 1 | | | | | | 1 | 2 | 5 | 3 | 4 | 5 | 183.40 | 35 |
| 183.35 | | | | | | | 1 | 5 | 5 | 14 | 11 | 3 | 183.35 | 74 |
| 183.30 | | | | | 1 | | 13 | 14 | 9 | 7 | 10 | 7 | 183.30 | 135 |
| 183.25 | 1 | | | | | 3 | 11 | 10 | 5 | 1 | 1 | 6 | 183.25 | 173 |
| 183.20 | 6 | | | | 6 | 13 | 3 | | 2 | | 1 | 5 | 183.20 | 209 |
| 183.15 | 8 | 1 | | | 8 | 11 | 1 | | | | 1 | 2 | 183.15 | 241 |
| 183.10 | 9 | 4 | 3 | 5 | 9 | 2 | 1 | | | | | | 183.10 | 274 |
| 183.05 | 5 | 14 | 9 | 4 | 6 | 1 | | | | | | | 183.05 | 313 |
| 183.00 | | 10 | 16 | 4 | | | | | | | 1 | | 183.00 | 344 |
| 182.95 | 1 | | 2 | 4 | 1 | | | | | | | | 182.95 | 352 |
| 182.90 | | | 1 | 7 | | | | | | | | | 182.90 | 360 |
| 182.85 | | | | 4 | | | | | | | | | 182.85 | 364 |
| 182.80 | | | | 2 | | | | | | | | | 182.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 907-6070 SW Pier, Sault St Marie, Michigan above locks, St Marys R

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 183.16 | 183.06 | 183.06 | 183.04 | 182.96 | 183.20 | 183.20 | 183.29 | 183.32 | 183.36 | 183.24 | 183.27 |
| 2 | 183.17 | 183.08 | 183.00 | 183.01 | 183.14 | 183.18 | 183.14 | 183.34 | 183.21 | 183.40 | 183.05 | 183.44 |
| 3 | 183.18 | 183.06 | 183.03 | 182.95 | 183.19 | 183.19 | 183.21 | 183.36 | 183.39 | 183.43 | 183.31 | 183.34 |
| 4 | 183.23 | 183.18 | 183.02 | 182.97 | 183.14 | 183.15 | 183.29 | 183.37 | 183.31 | 183.39 | 183.43 | 183.42 |
| 5 | 183.18 | 183.04 | 183.03 | 182.92 | 183.12 | 183.19 | 183.33 | 183.33 | 183.23 | 183.33 | 183.42 | 183.41 |
| 6 | 183.24 | 183.06 | 183.01 | 182.90 | 183.07 | 183.20 | 183.30 | 183.30 | 183.36 | 183.35 | 183.39 | 183.43 |
| 7 | 183.20 | 183.11 | 183.08 | 183.03 | 183.08 | 183.22 | 183.25 | 183.26 | 183.33 | 183.36 | 183.34 | 183.41 |
| 8 | 183.08 | 183.12 | 183.07 | 182.95 | 183.09 | 183.23 | 183.25 | 183.34 | 183.43 | 183.35 | 183.32 | 183.29 |
| 9 | 183.25 | 183.06 | 183.14 | 182.94 | 183.11 | 183.22 | 183.30 | 183.31 | 183.30 | 183.33 | 183.26 | 183.17 |
| 10 | 183.24 | 183.10 | 183.12 | 182.88 | 183.08 | 183.20 | 183.32 | 183.34 | 183.43 | 183.40 | 183.33 | 183.25 |
| 11 | 183.13 | 183.13 | 183.09 | 182.96 | 183.07 | 183.20 | 183.30 | 183.37 | 183.35 | 183.43 | 183.38 | 183.31 |
| 12 | 183.19 | 183.07 | 183.12 | 182.99 | 183.15 | 183.21 | 183.29 | 183.35 | 183.32 | 183.53 | 183.41 | 183.28 |
| 13 | 183.29 | 183.09 | 183.08 | 182.85 | 183.23 | 183.22 | 183.31 | 183.33 | 183.26 | 183.49 | 183.60 | 183.25 |
| 14 | 183.24 | 183.05 | 183.08 | 182.87 | 183.14 | 183.22 | 183.33 | 183.33 | 183.34 | 183.40 | 183.40 | 183.23 |
| 15 | 183.20 | 183.05 | 183.06 | 182.85 | 183.12 | 183.19 | 183.28 | 183.30 | 183.35 | 183.40 | 183.38 | 183.20 |
| 16 | 183.14 | 183.06 | 183.03 | 182.91 | 183.09 | 183.14 | 183.28 | 183.29 | 183.32 | 183.59 | 183.37 | 183.38 |
| 17 | 183.42 | 183.03 | 183.09 | 182.94 | 183.22 | 183.08 | 183.31 | 183.28 | 183.36 | 183.49 | 183.33 | 183.37 |
| 18 | 183.25 | 183.03 | 183.04 | 182.89 | 183.18 | 183.24 | 183.33 | 183.38 | 183.48 | 183.48 | 183.31 | 183.28 |
| 19 | 183.13 | 183.08 | 183.04 | 182.91 | 183.14 | 183.27 | 183.28 | 183.35 | 183.42 | 183.38 | 183.31 | 183.35 |
| 20 | 183.11 | 183.01 | 183.06 | 182.99 | 183.15 | 183.26 | 183.42 | 183.29 | 183.33 | 183.36 | 183.18 | 183.46 |
| 21 | 183.13 | 183.04 | 183.01 | 183.04 | 183.16 | 183.27 | 183.33 | 183.31 | 183.37 | 183.36 | 183.44 | 183.27 |
| 22 | 183.00 | 183.05 | 183.01 | 183.07 | 183.17 | 183.20 | 183.30 | 183.29 | 183.60 | 183.29 | 183.39 | 183.33 |
| 23 | 183.14 | 183.04 | 183.00 | 183.11 | 183.33 | 183.18 | 183.33 | 183.26 | 183.38 | 183.40 | 183.35 | 183.50 |
| 24 | 183.18 | 183.02 | 182.93 | 183.15 | 183.25 | 183.22 | 183.29 | 183.28 | 183.28 | 183.42 | 183.34 | 183.31 |
| 25 | 183.12 | 183.07 | 183.01 | 183.12 | 183.20 | 183.22 | 183.28 | 183.35 | 183.28 | 183.32 | 183.36 | 183.60 |
| 26 | 183.08 | 183.09 | 183.04 | 183.13 | 183.23 | 183.25 | 183.35 | 183.41 | 183.30 | 183.46 | 183.40 | 183.35 |
| 27 | 183.10 | 183.11 | 183.05 | 183.14 | 183.23 | 183.23 | 183.39 | 183.34 | 183.51 | 183.38 | 183.37 | 183.25 |
| 28 | 183.07 | 183.10 | 183.02 | 183.07 | 183.19 | 183.18 | 183.32 | 183.35 | 183.62 | 183.37 | 183.34 | 183.31 |
| 29 | 183.09 | 183.09 | 183.03 | 183.10 | 183.19 | 183.23 | 183.35 | 183.32 | 183.44 | 183.38 | 183.37 | 183.24 |
| 30 | 183.14 | | 183.02 | 183.10 | 183.19 | 183.23 | 183.33 | 183.41 | 183.41 | 183.34 | 183.37 | 183.28 |
| 31 | 183.12 | | 183.03 | | 183.23 | | 183.32 | 183.40 | | 183.34 | | 183.36 |
| Mean | 183.17 | 183.07 | 183.05 | 182.99 | 183.16 | 183.21 | 183.30 | 183.33 | 183.37 | 183.40 | 183.35 | 183.33 |
| Max.
Hr.
Day | 183.64
0700
17 | 183.30
1200
4 | 183.26
1500
10 | 183.44
0100
12 | 183.53
0600
23 | 183.40
1500
19 | 183.62
0700
20 | 183.66
2400
9 | 184.14
1500
28 | 183.85
1700
16 | 183.82
0500
13 | 183.97
1200
25 |
| Min.
Hr.
Day | 182.86
1700
22 | 182.83
1800
21 | 182.86
0600
2 | 182.73
0700
5 | 182.52
1700
1 | 182.87
1800
17 | 183.01
2000
2 | 182.82
2200
9 | 182.96
0200
17 | 183.17
0400
8 | 182.68
1600
2 | 183.03
0400
27 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 183.23

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7023 Ludington, Michigan on Lake Michigan

HIGHEST

Monthly mean elevation: 176.57 Jul
Daily mean elevation: 176.75 2 Nov
Instant/hourly elevation: 176.90 1200/2 Nov

LOWEST

Monthly mean elevation: 176.37 Feb
Daily mean elevation: 176.20 18 Jan
Instant/hourly elevation: 176.15 1200/18 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.45 | 176.43 | 176.46 | 176.57 | 176.60 | 176.60 | 176.65 | 176.60 | 176.57 | 176.60 | 176.75 | 176.62 |
| Day | 23 | 25 | 7 | 30 | 1 | 18 | 3 | 8 | 26 | 9 | 2 | 16 |
| Min | 176.20 | 176.32 | 176.36 | 176.37 | 176.50 | 176.50 | 176.52 | 176.44 | 176.43 | 176.41 | 176.43 | 176.30 |
| Day | 18 | 11 | 17 | 2 | 7 | 27 | 27 | 31 | 29 | 17 | 14 | 26 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.70 | | | | | | | | | | | 1 | | 176.70 | 1 |
| 176.65 | | | | | | | | | | | | | 176.65 | 1 |
| 176.60 | | | | | | | 4 | | | | 5 | 1 | 176.60 | 11 |
| 176.55 | | | | 2 | 13 | 9 | 14 | 4 | 9 | 1 | 5 | 11 | 176.55 | 79 |
| 176.50 | | | | 8 | 17 | 19 | 13 | 23 | 15 | 14 | 12 | 8 | 176.50 | 208 |
| 176.45 | | | 1 | 8 | 1 | 2 | | 3 | 5 | 14 | 5 | 6 | 176.45 | 253 |
| 176.40 | 8 | 5 | 10 | 6 | | | | 1 | 1 | 2 | 2 | 4 | 176.40 | 292 |
| 176.35 | 17 | 15 | 20 | 6 | | | | | | | | | 176.35 | 350 |
| 176.30 | 4 | 9 | | | | | | | | | | | 176.30 | 363 |
| 176.25 | 1 | | | | | | | | | | | 1 | 176.25 | 365 |
| 176.20 | | | | | | | | | | | | | 176.20 | 365 |
| 176.15 | 1 | | | | | | | | | | | | 176.15 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7023 Ludington, Michigan on Lake Michigan

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 176.39 | 176.38 | 176.36 | 176.42 | 176.60 | 176.54 | 176.54 | 176.53 | 176.52 | 176.52 | 176.53 | 176.56 |
| 2 | 176.38 | 176.35 | 176.40 | 176.37 | 176.56 | 176.55 | 176.61 | 176.54 | 176.54 | 176.50 | 176.75 | 176.55 |
| 3 | 176.45 | 176.40 | 176.40 | 176.40 | 176.52 | 176.53 | 176.65 | 176.55 | 176.53 | 176.52 | 176.64 | 176.51 |
| 4 | 176.39 | 176.35 | 176.40 | 176.43 | 176.54 | 176.56 | 176.52 | 176.54 | 176.52 | 176.54 | 176.54 | 176.57 |
| 5 | 176.40 | 176.36 | 176.41 | 176.39 | 176.55 | 176.58 | 176.54 | 176.52 | 176.55 | 176.52 | 176.47 | 176.50 |
| 6 | 176.40 | 176.41 | 176.45 | 176.41 | 176.53 | 176.54 | 176.52 | 176.52 | 176.56 | 176.51 | 176.49 | 176.48 |
| 7 | 176.37 | 176.38 | 176.46 | 176.40 | 176.50 | 176.56 | 176.55 | 176.56 | 176.55 | 176.52 | 176.49 | 176.44 |
| 8 | 176.44 | 176.38 | 176.39 | 176.39 | 176.53 | 176.53 | 176.56 | 176.60 | 176.54 | 176.55 | 176.51 | 176.53 |
| 9 | 176.44 | 176.35 | 176.44 | 176.42 | 176.56 | 176.53 | 176.54 | 176.54 | 176.53 | 176.60 | 176.54 | 176.58 |
| 10 | 176.37 | 176.37 | 176.38 | 176.41 | 176.54 | 176.53 | 176.55 | 176.56 | 176.52 | 176.54 | 176.55 | 176.59 |
| 11 | 176.38 | 176.32 | 176.44 | 176.53 | 176.56 | 176.53 | 176.57 | 176.54 | 176.49 | 176.53 | 176.46 | 176.59 |
| 12 | 176.44 | 176.34 | 176.40 | 176.39 | 176.56 | 176.52 | 176.59 | 176.56 | 176.51 | 176.49 | 176.53 | 176.55 |
| 13 | 176.39 | 176.35 | 176.39 | 176.42 | 176.52 | 176.52 | 176.61 | 176.55 | 176.51 | 176.41 | 176.44 | 176.56 |
| 14 | 176.41 | 176.34 | 176.38 | 176.46 | 176.54 | 176.55 | 176.60 | 176.54 | 176.56 | 176.52 | 176.43 | 176.57 |
| 15 | 176.40 | 176.39 | 176.39 | 176.47 | 176.57 | 176.57 | 176.58 | 176.54 | 176.56 | 176.52 | 176.51 | 176.55 |
| 16 | 176.40 | 176.39 | 176.38 | 176.52 | 176.57 | 176.57 | 176.60 | 176.53 | 176.56 | 176.52 | 176.50 | 176.62 |
| 17 | 176.32 | 176.36 | 176.36 | 176.50 | 176.55 | 176.58 | 176.62 | 176.52 | 176.56 | 176.41 | 176.55 | 176.55 |
| 18 | 176.20 | 176.41 | 176.39 | 176.48 | 176.54 | 176.60 | 176.58 | 176.53 | 176.56 | 176.46 | 176.55 | 176.55 |
| 19 | 176.27 | 176.42 | 176.41 | 176.54 | 176.58 | 176.50 | 176.59 | 176.51 | 176.49 | 176.46 | 176.54 | 176.59 |
| 20 | 176.38 | 176.38 | 176.38 | 176.51 | 176.56 | 176.54 | 176.58 | 176.51 | 176.54 | 176.52 | 176.61 | 176.45 |
| 21 | 176.36 | 176.38 | 176.39 | 176.52 | 176.56 | 176.53 | 176.55 | 176.50 | 176.57 | 176.49 | 176.63 | 176.50 |
| 22 | 176.41 | 176.38 | 176.44 | 176.51 | 176.57 | 176.52 | 176.58 | 176.51 | 176.50 | 176.51 | 176.52 | 176.50 |
| 23 | 176.45 | 176.38 | 176.37 | 176.49 | 176.51 | 176.56 | 176.58 | 176.54 | 176.48 | 176.50 | 176.63 | 176.49 |
| 24 | 176.32 | 176.41 | 176.42 | 176.56 | 176.53 | 176.56 | 176.57 | 176.54 | 176.54 | 176.48 | 176.57 | 176.45 |
| 25 | 176.37 | 176.43 | 176.45 | 176.48 | 176.58 | 176.52 | 176.57 | 176.53 | 176.56 | 176.47 | 176.57 | 176.45 |
| 26 | 176.37 | 176.36 | 176.43 | 176.50 | 176.56 | 176.54 | 176.57 | 176.54 | 176.57 | 176.49 | 176.64 | 176.30 |
| 27 | 176.42 | 176.34 | 176.41 | 176.50 | 176.53 | 176.50 | 176.52 | 176.51 | 176.54 | 176.46 | 176.57 | 176.50 |
| 28 | 176.38 | 176.34 | 176.38 | 176.53 | 176.54 | 176.51 | 176.55 | 176.53 | 176.48 | 176.49 | 176.56 | 176.51 |
| 29 | 176.34 | 176.36 | 176.40 | 176.52 | 176.53 | 176.53 | 176.55 | 176.48 | 176.43 | 176.50 | 176.55 | 176.59 |
| 30 | 176.35 | | 176.40 | 176.57 | 176.55 | 176.52 | 176.53 | 176.49 | 176.51 | 176.47 | 176.56 | 176.58 |
| 31 | 176.38 | | 176.39 | | 176.54 | | 176.55 | 176.44 | | 176.47 | | 176.58 |
| Mean | 176.38 | 176.37 | 176.40 | 176.47 | 176.55 | 176.54 | 176.57 | 176.53 | 176.53 | 176.50 | 176.55 | 176.53 |
| Max.
Hr.
Day | 176.52
1000
12 | 176.48
0300
19 | 176.56
1400
9 | 176.69
0800
24 | 176.69
2300
16 | 176.84
2100
17 | 176.84
0700
3 | 176.67
0600
8 | 176.70
1600
14 | 176.70
0800
9 | 176.90
1200
2 | 176.84
0800
16 |
| Min.
Hr.
Day | 176.15
1200
18 | 176.28
2100
4 | 176.26
0800
10 | 176.29
1200
10 | 176.41
2300
23 | 176.36
1800
17 | 176.45
1700
4 | 176.38
0800
31 | 176.36
1000
9 | 176.36
1500
17 | 176.38
0500
14 | 176.24
0800
26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.49

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 908-7031 Holland, Michigan on Lake Michigan

HIGHEST

Monthly mean elevation: 176.57 Jul
Daily mean elevation: 176.71 2 Nov
Instant/hourly elevation: 176.79 1700/2 Nov

LOWEST

Monthly mean elevation: 176.37 Mar
Daily mean elevation: 176.21 8 Mar
Instant/hourly elevation: 176.17 0100/9 Mar

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.47 | 176.46 | 176.48 | 176.57 | 176.59 | 176.59 | 176.63 | 176.59 | 176.58 | 176.57 | 176.71 | 176.62 |
| Day | 23     | 19     | 27     | 16     | 24     | 20     | 14     | 8      | 21     | 15     | 2      | 10     |
| Min | 176.22 | 176.31 | 176.21 | 176.38 | 176.50 | 176.50 | 176.52 | 176.47 | 176.44 | 176.40 | 176.47 | 176.40 |
| Day | 18     | 12     | 8      | 6      | 7      | 28     | 5      | 31     | 29     | 13     | 13     | 21     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.70 | | | | | | | | | | | 1 | | 176.70 | 1 |
| 176.65 | | | | | | | | | | | 1 | | 176.65 | 2 |
| 176.60 | | | | | | | 5 | | | | 2 | | 176.60 | 11 |
| 176.55 | | | | 3 | 15 | 12 | 18 | 11 | 2 | 2 | 10 | 8 | 176.55 | 92 |
| 176.50 | | | | 12 | 15 | 17 | 8 | 13 | 21 | 11 | 9 | 9 | 176.50 | 207 |
| 176.45 | 3 | 1 | 1 | 4 | 1 | 1 | | 7 | 6 | 15 | 7 | 2 | 176.45 | 255 |
| 176.40 | 8 | 8 | 11 | 5 | | | | | 1 | 2 | | 1 | 176.40 | 291 |
| 176.35 | 16 | 14 | 9 | 6 | | | | | | 1 | | 1 | 176.35 | 338 |
| 176.30 | 2 | 6 | 3 | | | | | | | | | | 176.30 | 349 |
| 176.25 | 1 | | 3 | | | | | | | | | | 176.25 | 353 |
| 176.20 | 1 | | 4 | | | | | | | | | | 176.20 | 358 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7031 Holland, Michigan on Lake Michigan

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|---------|
| 1 | 176.39 | 176.38 | 176.35 | 176.45 | 176.56 | 176.54 | 176.57 | 176.50 | 176.53 | 176.49 | 176.50 | 176.52 |
| 2 | 176.40 | 176.37 | 176.30 | 176.40 | 176.56 | 176.54 | 176.62 | 176.54 | 176.54 | 176.47 | 176.71 | 176.58 |
| 3 | 176.45 | 176.40 | 176.22 | 176.39 | 176.52 | 176.53 | 176.63 | 176.58 | 176.55 | 176.54 | 176.64 | 176.51 |
| 4 | 176.41 | 176.40 | 176.22 | 176.47 | 176.55 | 176.57 | 176.53 | 176.56 | 176.52 | 176.55 | 176.54 | 176.61 |
| 5 | 176.39 | 176.33 | 176.24 | 176.39 | 176.58 | 176.58 | 176.52 | 176.52 | 176.53 | 176.52 | 176.50 | 176.52 |
| 6 | 176.40 | 176.42 | 176.28 | 176.38 | 176.53 | 176.55 | 176.53 | 176.53 | 176.54 | 176.50 | 176.53 | 176.44 |
| 7 | 176.38 | 176.42 | 176.28 | 176.41 | 176.50 | 176.55 | 176.54 | 176.55 | 176.54 | 176.51 | 176.53 | 176.46 |
| 8 | 176.42 | 176.40 | 176.21 | 176.39 | 176.54 | 176.53 | 176.57 | 176.59 | 176.52 | 176.54 | 176.51 | 176.53 |
| 9 | 176.47 | 176.35 | 176.31 | 176.41 | 176.55 | 176.54 | 176.53 | 176.55 | 176.52 | 176.55 | 176.51 | 176.52 |
| 10 | 176.38 | 176.34 | 176.38 | 176.43 | 176.54 | 176.54 | 176.56 | 176.57 | 176.54 | 176.51 | 176.50 | 176.62 |
| 11 | 176.41 | 176.36 | 176.42 | 176.54 | 176.54 | 176.54 | 176.57 | 176.56 | 176.49 | 176.52 | 176.47 | 176.59 |
| 12 | 176.41 | 176.31 | 176.44 | 176.42 | 176.54* | 176.52 | 176.60 | 176.58 | 176.50 | 176.48 | 176.58 | 176.54 |
| 13 | 176.43 | 176.36 | 176.40 | 176.40 | 176.55 | 176.51 | 176.61 | 176.58 | 176.49 | 176.40 | 176.47 | 176.56 |
| 14 | 176.47 | 176.35 | 176.41 | 176.47 | 176.54 | 176.56 | 176.63 | 176.56 | 176.53 | 176.51 | 176.48 | 176.54 |
| 15 | 176.44 | 176.42 | 176.40 | 176.46 | 176.56 | 176.58 | 176.60 | 176.55 | 176.53 | 176.57 | 176.52 | 176.52 |
| 16 | 176.40 | 176.37 | 176.34 | 176.57 | 176.54 | 176.56 | 176.59 | 176.54 | 176.52 | 176.56 | 176.50 | 176.57 |
| 17 | 176.38 | 176.37 | 176.40 | 176.51 | 176.57 | 176.56 | 176.61 | 176.52 | 176.54 | 176.42 | 176.60 | 176.56 |
| 18 | 176.22 | 176.44 | 176.39 | 176.51 | 176.56 | 176.56 | 176.60 | 176.53 | 176.56 | 176.52 | 176.54 | 176.51 |
| 19 | 176.30 | 176.46 | 176.42 | 176.54 | 176.58 | 176.55 | 176.58 | 176.52 | 176.48 | 176.47 | 176.53 | 176.56 |
| 20 | 176.38 | 176.37 | 176.41 | 176.52 | 176.57 | 176.59 | 176.59 | 176.51 | 176.52 | 176.50 | 176.58 | 176.46 |
| 21 | 176.36 | 176.41 | 176.40 | 176.52 | 176.58 | 176.56 | 176.57 | 176.50 | 176.58 | 176.50 | 176.60 | 176.40* |
| 22 | 176.38 | 176.40 | 176.43 | 176.48 | 176.56 | 176.53 | 176.58 | 176.52 | 176.52 | 176.46 | 176.56 | / |
| 23 | 176.47 | 176.41 | 176.39 | 176.52 | 176.59 | 176.57 | 176.58 | 176.52 | 176.47 | 176.47 | 176.65 | / |
| 24 | 176.40 | 176.43 | 176.41 | 176.54 | 176.59 | 176.56 | 176.58 | 176.50 | 176.52 | 176.49 | 176.60 | / |
| 25 | 176.38 | 176.45 | 176.42 | 176.51 | 176.57 | 176.53 | 176.56 | 176.50 | 176.54 | 176.46 | 176.60 | / |
| 26 | 176.36 | 176.36 | 176.45 | 176.55 | 176.56 | 176.56 | 176.56 | 176.56 | 176.54 | 176.48 | 176.66 | / |
| 27 | 176.43 | 176.34 | 176.48 | 176.56 | 176.53 | 176.52 | 176.54 | 176.56 | 176.52 | 176.44 | 176.57 | / |
| 28 | 176.38 | 176.40 | 176.38 | 176.51 | 176.52 | 176.50 | 176.54 | 176.57 | 176.48 | 176.50 | 176.56 | / |
| 29 | 176.31 | 176.36 | 176.42 | 176.54 | 176.55 | 176.54 | 176.57 | 176.47 | 176.44 | 176.53 | 176.54 | / |
| 30 | 176.35 | | 176.40 | 176.56 | 176.57 | 176.54 | 176.55 | 176.50 | 176.51 | 176.48 | 176.56 | 176.58* |
| 31 | 176.40 | | 176.41 | | 176.54 | | 176.56 | 176.47 | | 176.49 | | 176.58 |
| Mean | 176.39 | 176.39 | 176.37 | 176.48 | 176.55 | 176.55 | 176.57 | 176.54 | 176.52 | 176.50 | 176.56 | 176.53 |
| Max. | 176.57 | 176.58 | 176.66 | 176.64 | 176.66 | 176.66 | 176.70 | 176.64 | 176.65 | 176.65 | 176.79 | 176.68 |
| Hr. | 0700 | 1500 | 0100 | 1100 | 0800 | 1600 | 2400 | 1000 | 0300 | 0800 | 1700 | 0300 |
| Day | 14 | 28 | 27 | 11 | 23 | 17 | 12 | 26 | 27 | 16 | 2 | 11 |
| Min. | 176.19 | 176.26 | 176.17 | 176.30 | 176.46 | 176.46 | 176.48 | 176.42 | 176.39 | 176.34 | 176.42 | 176.37 |
| Hr. | 0800 | 2300 | 0100 | 0600 | 2300 | 1800 | 0100 | 2200 | 1000 | 1900 | 0900 | 0600 |
| Day | 18 | 29 | 9 | 13 | 2 | 28 | 5 | 29 | 29 | 13 | 11 | 21 |

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

Annual Mean 176.50

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7044 Calumet Harbor, Illinois on Lake Michigan

HIGHEST

Monthly mean elevation: 176.58 Jul
Daily mean elevation: 176.82 10 Mar
Instant/hourly elevation: 177.09 0600/10 Mar

LOWEST

Monthly mean elevation: 176.38 Jan
Daily mean elevation: 176.21 19 Jan
Instant/hourly elevation: 175.89 2200/24 Dec

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.57 | 176.48 | 176.82 | 176.61 | 176.70 | 176.69 | 176.63 | 176.67 | 176.57 | 176.60 | 176.71 | 176.66 |
| Day | 14 | 15 | 10 | 27 | 24 | 20 | 14 | 28 | 22 | 29 | 22 | 11 |
| Min | 176.21 | 176.25 | 176.29 | 176.36 | 176.51 | 176.51 | 176.50 | 176.44 | 176.43 | 176.39 | 176.36 | 176.25 |
| Day | 19 | 10 | 16 | 3 | 7 | 28 | 4 | 29 | 13 | 13 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.80 | | | 1 | | | | | | | | | | 176.80 | 1 |
| 176.75 | | | | | | | | | | | | | 176.75 | 1 |
| 176.70 | | | | | | | | | | | 1 | | 176.70 | 2 |
| 176.65 | | | | | 2 | 1 | | 2 | | | 5 | 1 | 176.65 | 13 |
| 176.60 | | | | 1 | 3 | 3 | 7 | 3 | | | 4 | 5 | 176.60 | 39 |
| 176.55 | 1 | | 1 | 5 | 15 | 10 | 14 | 10 | 2 | 3 | 5 | 6 | 176.55 | 111 |
| 176.50 | 1 | | 3 | 7 | 11 | 16 | 9 | 9 | 11 | 7 | 4 | 6 | 176.50 | 195 |
| 176.45 | 1 | 5 | 9 | 8 | | | 1 | 5 | 15 | 11 | 3 | 5 | 176.45 | 258 |
| 176.40 | 8 | 10 | 10 | 6 | | | | 2 | 2 | 8 | 4 | 3 | 176.40 | 311 |
| 176.35 | 10 | 7 | 5 | 3 | | | | | | 2 | 1 | | 176.35 | 339 |
| 176.30 | 6 | 6 | 1 | | | | | | | | | 2 | 176.30 | 354 |
| 176.25 | 1 | | 1 | | | | | | | | | 2 | 176.25 | 358 |
| 176.20 | 3 | 1 | | | | | | | | | | 1 | 176.20 | 363 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7044 Calumet Harbor, Illinois on Lake Michigan

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1 | 176.40 | 176.44 | 176.32 | 176.50 | 176.51 | 176.55 | 176.60 | 176.49 | 176.56 | 176.48 | 176.65 | 176.53 |
| 2 | 176.41 | 176.33 | 176.46 | 176.43 | 176.53 | 176.55 | 176.62 | 176.51 | 176.50 | 176.43 | 176.61 | 176.58 |
| 3 | 176.44 | 176.38 | 176.46 | 176.36 | 176.53 | 176.55 | 176.62 | 176.58 | 176.52 | 176.53 | 176.55 | 176.55 |
| 4 | 176.42 | 176.46 | 176.43 | 176.48 | 176.56 | 176.59 | 176.50 | 176.60 | 176.50 | 176.60 | 176.46 | 176.64 |
| 5 | 176.40 | 176.34 | 176.47 | 176.41 | 176.63 | 176.58 | 176.52 | 176.56 | 176.51 | 176.54 | 176.48 | 176.59 |
| 6 | 176.39 | 176.38 | 176.50 | 176.37 | 176.56 | 176.57 | 176.51 | 176.55 | 176.50 | 176.49 | 176.55 | 176.42 |
| 7 | 176.38 | 176.43 | 176.47 | 176.41 | 176.51 | 176.55 | 176.54 | 176.54 | 176.54 | 176.49 | 176.54 | 176.46 |
| 8 | 176.42 | 176.45 | 176.40 | 176.39 | 176.56 | 176.55 | 176.54 | 176.56 | 176.52 | 176.50 | 176.45 | 176.57 |
| 9 | 176.41 | 176.37 | 176.54 | 176.44 | 176.59 | 176.57 | 176.51 | 176.54 | 176.43 | 176.43 | 176.43 | 176.52 |
| 10 | 176.35 | 176.25 | 176.82 | 176.48 | 176.57 | 176.55 | 176.54 | 176.56 | 176.47 | 176.45 | 176.43 | 176.63 |
| 11 | 176.36 | 176.43 | 176.53 | 176.56 | 176.54 | 176.55 | 176.56 | 176.56 | 176.50 | 176.49 | 176.48 | 176.66 |
| 12 | 176.32 | 176.37 | 176.49 | 176.48 | 176.54 | 176.52 | 176.58 | 176.60 | 176.48 | 176.42 | 176.56 | 176.64 |
| 13 | 176.47 | 176.34 | 176.40 | 176.44 | 176.57 | 176.51 | 176.60 | 176.63 | 176.43 | 176.39 | 176.36 | 176.64 |
| 14 | 176.57 | 176.37 | 176.44 | 176.50 | 176.56 | 176.58 | 176.63 | 176.62 | 176.48 | 176.52 | 176.44 | 176.54 |
| 15 | 176.51 | 176.48 | 176.44 | 176.51 | 176.57 | 176.61 | 176.62 | 176.63 | 176.49 | 176.58 | / | 176.48 |
| 16 | 176.27 | 176.38 | 176.29 | 176.59 | 176.54 | 176.58 | 176.59 | 176.58 | 176.46 | 176.54 | / | 176.48 |
| 17 | 176.33 | 176.41 | 176.42 | 176.53 | 176.56 | 176.53 | 176.58 | 176.54 | 176.48 | 176.40 | / | 176.59 |
| 18 | 176.23 | 176.47 | 176.51 | 176.55 | 176.61 | 176.54 | 176.60 | 176.54 | 176.53 | 176.51 | 176.59* | 176.48 |
| 19 | 176.21 | 176.45 | 176.48 | 176.53 | 176.60 | 176.63 | 176.55 | 176.56 | 176.49 | 176.47 | 176.62 | 176.53 |
| 20 | 176.32 | 176.32 | 176.42 | 176.50 | 176.58 | 176.69 | 176.58 | 176.53 | 176.48 | 176.43 | 176.66 | 176.41 |
| 21 | 176.36 | 176.42 | 176.44 | 176.49 | 176.58 | 176.62 | 176.60 | 176.49 | 176.54 | 176.50 | 176.59 | 176.35 |
| 22 | 176.39 | 176.42 | 176.50 | 176.43 | 176.54 | 176.55 | 176.60 | 176.53 | 176.57 | 176.45 | 176.71 | 176.42 |
| 23 | 176.40 | 176.47 | 176.41 | 176.53 | 176.67 | 176.58 | 176.62 | 176.52 | 176.51 | 176.44 | 176.70 | 176.53 |
| 24 | 176.43 | 176.46 | 176.40 | 176.56 | 176.70 | 176.59 | 176.60 | 176.49 | 176.52 | 176.49 | 176.67 | 176.30 |
| 25 | 176.39 | 176.43 | 176.39 | 176.52 | 176.62 | 176.55 | 176.58 | 176.49 | 176.55 | 176.47 | 176.69 | 176.25 |
| 26 | 176.34 | 176.32 | 176.47 | 176.57 | 176.58 | 176.58 | 176.57 | 176.59 | 176.54 | 176.48 | 176.70 | 176.28 |
| 27 | 176.43 | 176.31 | 176.57 | 176.61 | 176.55 | 176.53 | 176.55 | 176.66 | 176.49 | 176.45 | 176.63 | 176.32 |
| 28 | 176.38 | 176.41 | 176.40 | 176.52 | 176.55 | 176.51 | 176.52 | 176.67 | 176.49 | 176.48 | 176.58 | 176.49 |
| 29 | 176.24 | 176.37 | 176.43 | 176.50 | 176.58 | 176.55 | 176.58 | 176.44 | 176.48 | 176.60 | 176.52 | 176.58 |
| 30 | 176.32 | | 176.41 | 176.56 | 176.60 | 176.58 | 176.61 | 176.45 | 176.51 | 176.53 | 176.56 | 176.63 |
| 31 | 176.43 | | 176.42 | | 176.54 | | 176.61 | 176.46 | | 176.53 | | 176.60 |
| Mean | 176.38 | 176.40 | 176.46 | 176.49 | 176.57 | 176.57 | 176.58 | 176.55 | 176.50 | 176.49 | 176.56 | 176.51 |
| Max. | 176.77 | 176.74 | 177.09 | 176.80 | 176.78 | 176.76 | 176.83 | 176.80 | 176.72 | 176.72 | 176.86 | 176.85 |
| Hr. | 0200 | 1500 | 0600 | 0200 | 1200 | 1400 | 0400 | 2200 | 0500 | 2200 | 1000 | 1600 |
| Day | 14 | 28 | 10 | 11 | 24 | 20 | 3 | 27 | 22 | 15 | 22 | 30 |
| Min. | 175.97 | 176.08 | 176.17 | 176.23 | 176.41 | 176.29 | 176.40 | 176.27 | 176.21 | 176.21 | 176.28 | 175.89 |
| Hr. | 1500 | 1600 | 0800 | 1800 | 0400 | 0500 | 0900 | 2300 | 1400 | 1000 | 1900 | 2200 |
| Day | 19 | 20 | 1 | 10 | 3 | 18 | 4 | 29 | 9 | 20 | 13 | 24 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.50

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7057 Milwaukee, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 176.58 Jul
Daily mean elevation: 176.76 2 Nov
Instant/hourly elevation: 176.92 1800/17 Jun

LOWEST

Monthly mean elevation: 176.38 Jan
Daily mean elevation: 176.20 18 Jan
Instant/hourly elevation: 176.17 1800/20 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.48 | 176.47 | 176.65 | 176.58 | 176.63 | 176.62 | 176.65 | 176.61 | 176.58 | 176.60 | 176.76 | 176.62 |
| Day | 8      | 18     | 10     | 16     | 24     | 17     | 14     | 28     | 25     | 15     | 2      | 10     |
| Min | 176.20 | 176.34 | 176.36 | 176.39 | 176.52 | 176.52 | 176.52 | 176.46 | 176.44 | 176.40 | 176.37 | 176.31 |
| Day | 18     | 27     | 16     | 8      | 3      | 28     | 9      | 31     | 22     | 13     | 13     | 26     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.75 | | | | | | | | | | | 1 | | 176.75 | 1 |
| 176.70 | | | | | | | | | | | 1 | | 176.70 | 2 |
| 176.65 | | | | | | | | | | | 1 | | 176.65 | 3 |
| 176.60 | | | 1 | | 1 | 3 | 10 | 3 | | | 6 | 1 | 176.60 | 28 |
| 176.55 | | | | 4 | 19 | 13 | 15 | 12 | 2 | 3 | 5 | 8 | 176.55 | 109 |
| 176.50 | | | 1 | 10 | 11 | 14 | 6 | 14 | 18 | 11 | 9 | 11 | 176.50 | 214 |
| 176.45 | 2 | 3 | 5 | 6 | | | | 2 | 9 | 14 | 5 | 3 | 176.45 | 263 |
| 176.40 | 11 | 9 | 19 | 5 | | | | | 1 | 2 | 1 | 4 | 176.40 | 315 |
| 176.35 | 11 | 13 | 5 | 5 | | | | | | 1 | 1 | 2 | 176.35 | 353 |
| 176.30 | 4 | 4 | | | | | | | | | | 2 | 176.30 | 363 |
| 176.25 | 2 | | | | | | | | | | | | 176.25 | 365 |
| 176.20 | | | | | | | | | | | | | 176.20 | 365 |
| 176.15 | 1 | | | | | | | | | | | | 176.15 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 908-7057 Milwaukee, Wisconsin on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 176.42 | 176.41 | 176.36 | 176.45 | 176.58 | 176.56 | 176.59 | 176.51 | 176.54 | 176.51 | 176.72 | 176.51 |
| 2 | 176.42 | 176.37 | 176.44 | 176.40 | 176.55 | 176.55 | 176.65 | 176.54 | 176.54 | 176.47 | 176.76 | 176.54 |
| 3 | 176.45 | 176.42 | 176.42 | 176.40 | 176.52 | 176.55 | 176.63 | 176.56 | 176.51 | 176.54 | 176.60 | 176.51 |
| 4 | 176.41 | 176.41 | 176.41 | 176.46 | 176.56 | 176.59 | 176.52 | 176.57 | 176.52 | 176.57 | 176.48 | 176.55 |
| 5 | 176.41 | 176.37 | 176.45 | 176.40 | 176.59 | 176.59 | 176.52 | 176.54 | 176.53 | 176.54 | 176.47 | 176.49 |
| 6 | 176.40 | 176.40 | 176.50 | 176.41 | 176.54 | 176.56 | 176.53 | 176.56 | 176.53 | 176.51 | 176.50 | 176.40 |
| 7 | 176.38 | 176.40 | 176.47 | 176.40 | 176.53 | 176.55 | 176.57 | 176.59 | 176.53 | 176.53 | 176.53 | 176.44 |
| 8 | 176.48 | 176.40 | 176.42 | 176.39 | 176.55 | 176.55 | 176.56 | 176.59 | 176.50 | 176.57 | 176.52 | 176.53 |
| 9 | 176.43 | 176.36 | 176.54 | 176.42 | 176.57 | 176.55 | 176.52 | 176.55 | 176.53 | 176.52 | 176.52 | 176.56 |
| 10 | 176.35 | 176.34 | 176.65 | 176.49 | 176.56 | 176.55 | 176.56 | 176.56 | 176.48 | 176.47 | 176.50 | 176.62 |
| 11 | 176.40 | 176.38 | 176.48 | 176.55 | 176.57 | 176.55 | 176.57 | 176.56 | 176.49 | 176.49 | 176.47 | 176.59 |
| 12 | 176.40 | 176.36 | 176.44 | 176.42 | 176.55 | 176.52 | 176.61 | 176.60 | 176.49 | 176.43 | 176.51 | 176.57 |
| 13 | 176.44 | 176.35 | 176.40 | 176.44 | 176.55 | 176.52 | 176.62 | 176.61 | 176.49 | 176.40 | 176.37 | 176.60 |
| 14 | 176.47 | 176.37 | 176.42 | 176.48 | 176.56 | 176.57 | 176.65 | 176.60 | 176.52 | 176.51 | 176.44 | 176.56 |
| 15 | 176.43 | 176.46 | 176.42 | 176.50 | 176.58 | 176.61 | 176.62 | 176.60 | 176.52 | 176.60 | 176.51 | 176.57 |
| 16 | 176.36 | 176.38 | 176.36 | 176.58 | 176.58 | 176.59 | 176.61 | 176.58 | 176.51 | 176.50 | 176.52 | 176.54 |
| 17 | 176.31 | 176.40 | 176.40 | 176.51 | 176.56 | 176.62 | 176.61 | 176.55 | 176.51 | 176.41 | 176.61 | 176.54 |
| 18 | 176.20 | 176.47 | 176.45 | 176.53 | 176.57 | 176.56 | 176.60 | 176.54 | 176.51 | 176.49 | 176.57 | 176.54 |
| 19 | 176.26 | 176.44 | 176.44 | 176.56 | 176.59 | 176.56 | 176.58 | 176.54 | 176.47 | 176.48 | 176.59 | 176.53 |
| 20 | 176.34 | 176.37 | 176.41 | 176.54 | 176.57 | 176.61 | 176.58 | 176.53 | 176.54 | 176.49 | 176.64 | 176.43 |
| 21 | 176.36 | 176.42 | 176.45 | 176.54 | 176.58 | 176.58 | 176.58 | 176.51 | 176.53 | 176.51 | 176.60 | 176.44 |
| 22 | 176.43 | 176.41 | 176.46 | 176.47 | 176.57 | 176.56 | 176.62 | 176.53 | 176.44 | 176.49 | 176.64 | 176.48 |
| 23 | 176.41 | 176.43 | 176.41 | 176.50 | 176.59 | 176.60 | 176.63 | 176.54 | 176.46 | 176.47 | 176.68 | 176.47 |
| 24 | 176.36 | 176.46 | 176.44 | 176.53 | 176.63 | 176.57 | 176.60 | 176.52 | 176.55 | 176.48 | 176.62 | 176.40 |
| 25 | 176.40 | 176.42 | 176.44 | 176.51 | 176.59 | 176.55 | 176.59 | 176.51 | 176.58 | 176.49 | 176.65 | 176.32 |
| 26 | 176.39 | 176.35 | 176.45 | 176.54 | 176.57 | 176.56 | 176.57 | 176.57 | 176.57 | 176.48 | 176.64 | 176.31 |
| 27 | 176.44 | 176.34 | 176.48 | 176.56 | 176.54 | 176.52 | 176.55 | 176.61 | 176.51 | 176.46 | 176.57 | 176.43 |
| 28 | 176.37 | 176.41 | 176.40 | 176.52 | 176.54 | 176.52 | 176.55 | 176.61 | 176.47 | 176.51 | 176.55 | 176.54 |
| 29 | 176.30 | 176.37 | 176.43 | 176.54 | 176.55 | 176.55 | 176.57 | 176.51 | 176.46 | 176.54 | 176.52 | 176.57 |
| 30 | 176.34 | | 176.42 | 176.57 | 176.57 | 176.55 | 176.58 | 176.48 | 176.53 | 176.50 | 176.53 | 176.59 |
| 31 | 176.40 | | 176.43 | | 176.54 | | 176.59 | 176.46 | | 176.53 | | 176.55 |
| Mean | 176.38 | 176.40 | 176.44 | 176.49 | 176.56 | 176.56 | 176.58 | 176.55 | 176.51 | 176.50 | 176.56 | 176.51 |
| Max.
Hr.
Day | 176.57
0200
14 | 176.55
1300
28 | 176.79
1100
10 | 176.70
1500
11 | 176.66
0900
24 | 176.92
1800
17 | 176.81
0300
14 | 176.67
0700
28 | 176.73
2000
9 | 176.72
0500
15 | 176.90
2000
1 | 176.70
2400
29 |
| Min.
Hr.
Day | 176.17
1800
20 | 176.24
2200
29 | 176.28
0600
1 | 176.34
2200
7 | 176.46
2000
2 | 176.33
2200
17 | 176.44
1300
4 | 176.38
0800
30 | 176.36
0700
10 | 176.35
0800
13 | 176.30
1700
13 | 176.19
1900
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.50

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7068 Kewaunee, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 176.56 Jul
Daily mean elevation: 176.82 2 Nov
Instant/hourly elevation: 176.97 1100/2 Nov

LOWEST

Monthly mean elevation: 176.37 Feb
Daily mean elevation: 176.16 18 Jan
Instant/hourly elevation: 176.13 1200/18 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.48 | 176.43 | 176.46 | 176.54 | 176.60 | 176.61 | 176.64 | 176.58 | 176.56 | 176.55 | 176.82 | 176.60 |
| Day | 8 | 24 | 6 | 19 | 1 | 17 | 3 | 12 | 26 | 15 | 2 | 15 |
| Min | 176.16 | 176.31 | 176.34 | 176.38 | 176.51 | 176.51 | 176.50 | 176.42 | 176.45 | 176.40 | 176.38 | 176.29 |
| Day | 18 | 11 | 1 | 8 | 3 | 30 | 5 | 31 | 29 | 13 | 13 | 26 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.80 | | | | | | | | | | | 1 | | 176.80 | 1 |
| 176.75 | | | | | | | | | | | | | 176.75 | 1 |
| 176.70 | | | | | | | | | | | | | 176.70 | 1 |
| 176.65 | | | | | | | | | | | | | 176.65 | 1 |
| 176.60 | | | | | | 1 | 3 | | | | 4 | | 176.60 | 9 |
| 176.55 | | | | | 11 | 7 | 14 | 6 | 1 | | 5 | 6 | 176.55 | 59 |
| 176.50 | | | | 13 | 20 | 22 | 13 | 18 | 12 | 8 | 7 | 13 | 176.50 | 185 |
| 176.45 | 1 | | 1 | 4 | | | 1 | 6 | 15 | 17 | 7 | 4 | 176.45 | 241 |
| 176.40 | 6 | 4 | 15 | 7 | | | | 1 | 2 | 5 | 3 | 4 | 176.40 | 288 |
| 176.35 | 16 | 18 | 13 | 6 | | | | | | 1 | 1 | | 176.35 | 343 |
| 176.30 | 5 | 7 | 2 | | | | | | | | | 1 | 176.30 | 358 |
| 176.25 | 1 | | | | | | | | | | | 1 | 176.25 | 360 |
| 176.20 | 1 | | | | | | | | | | | | 176.20 | 361 |
| 176.15 | 1 | | | | | | | | | | | | 176.15 | 362 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 908-7068 Kewaunee, Wisconsin on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| 1 | 176.40 | 176.40 | 176.34 | 176.41 | 176.60 | 176.53 | 176.55 | 176.52 | 176.49 | 176.51 | 176.59 | 176.54 |
| 2 | 176.41 | 176.36 | 176.41 | 176.39 | 176.54 | 176.54 | 176.63 | 176.52 | 176.54 | 176.48 | 176.82 | 176.51 |
| 3 | 176.44 | 176.40 | 176.40 | 176.40 | 176.51 | 176.53 | 176.64 | 176.53 | 176.50 | 176.50 | 176.62 | 176.49 |
| 4 | 176.38 | 176.35 | 176.39 | 176.42 | 176.54 | 176.56 | 176.52 | 176.53 | 176.50 | 176.53 | 176.47 | 176.52 |
| 5 | 176.40 | 176.37 | 176.42 | 176.40 | 176.55 | 176.56 | 176.50 | 176.52 | 176.53 | 176.53 | 176.43 | 176.45* |
| 6 | 176.39 | 176.39 | 176.46 | 176.42 | 176.53 | 176.54 | 176.52 | 176.53 | 176.51 | 176.51 | 176.48* | / |
| 7 | 176.38 | 176.36 | 176.45 | 176.40 | 176.52 | 176.55 | 176.54 | 176.57 | 176.50 | 176.52 | / | / |
| 8 | 176.48 | 176.36 | 176.41 | 176.38 | 176.53 | 176.53 | 176.56 | 176.57 | 176.49 | 176.54 | / | 176.55* |
| 9 | 176.43 | 176.36 | 176.43 | 176.41 | 176.55 | 176.52 | 176.52 | 176.54 | 176.51 | 176.55 | 176.52* | 176.58 |
| 10 | 176.37 | 176.35 | 176.43 | 176.45 | 176.55 | 176.53 | 176.53 | 176.54 | 176.46 | 176.47 | 176.50 | 176.58 |
| 11 | 176.40 | 176.31 | 176.43 | 176.52 | 176.57 | 176.53 | 176.56 | 176.53 | 176.47 | 176.49 | 176.43 | 176.54 |
| 12 | 176.43 | 176.35 | 176.38 | 176.39 | 176.56 | 176.53 | 176.60 | 176.58 | 176.49 | 176.43 | 176.47 | 176.55 |
| 13 | 176.34 | 176.34 | 176.38 | 176.43 | 176.52 | 176.52 | 176.58 | 176.57 | 176.50 | 176.40 | 176.38 | 176.59 |
| 14 | 176.40 | 176.34 | 176.39 | 176.44 | 176.55 | 176.53 | 176.61 | 176.56 | 176.49 | 176.49 | 176.42 | 176.55 |
| 15 | 176.38 | 176.40 | 176.39 | 176.48 | 176.57 | 176.58 | 176.58 | 176.56 | 176.50 | 176.55 | 176.49 | 176.60 |
| 16 | 176.39 | 176.38 | 176.38 | 176.53 | 176.56 | 176.58 | 176.59 | 176.54 | 176.52 | 176.48 | 176.50 | 176.55 |
| 17 | 176.26 | 176.36 | 176.35 | 176.47 | 176.55 | 176.61* | 176.58 | 176.53 | 176.52 | 176.41 | 176.56 | 176.51 |
| 18 | 176.16 | 176.43 | 176.39 | 176.51 | 176.54 | 176.53* | 176.56 | 176.50 | 176.50 | 176.45 | 176.53 | 176.54 |
| 19 | 176.25 | 176.41 | 176.42 | 176.54 | 176.58 | 176.51 | 176.58 | 176.50 | 176.46 | 176.47 | 176.54 | 176.53 |
| 20 | 176.36 | 176.39 | 176.39 | 176.52 | 176.56 | 176.57 | 176.53 | 176.52 | 176.53 | 176.49 | 176.63 | 176.41 |
| 21 | 176.34 | 176.37 | 176.42 | 176.53 | 176.57 | 176.56 | 176.55 | 176.49 | 176.54 | 176.48 | 176.57 | 176.47 |
| 22 | 176.44 | 176.39 | 176.43 | 176.51 | 176.57 | 176.54 | 176.56 | 176.51 | 176.46 | 176.49 | 176.52 | 176.48 |
| 23 | 176.40 | 176.39 | 176.40 | 176.49 | 176.52 | 176.56 | 176.56 | 176.52 | 176.50 | 176.47 | 176.62 | 176.44 |
| 24 | 176.32 | 176.43 | 176.43 | 176.52 | 176.57 | 176.55 | 176.56 | 176.51 | 176.53 | 176.45 | 176.58 | 176.43 |
| 25 | 176.38 | 176.42 | 176.45 | 176.49 | 176.56 | 176.54 | 176.57 | 176.51 | 176.54 | 176.49 | 176.58 | 176.32 |
| 26 | 176.39 | 176.36 | 176.41 | 176.51 | 176.54 | 176.54 | 176.56 | 176.50 | 176.56 | 176.45 | 176.62 | 176.29 |
| 27 | 176.41 | 176.34 | 176.42 | 176.52 | 176.53 | 176.51 | 176.52 | 176.52 | 176.51 | 176.46 | 176.54 | 176.46 |
| 28 | 176.39 | 176.36 | 176.40 | 176.52 | 176.54 | 176.52 | 176.55 | 176.55 | 176.45 | 176.49 | 176.55 | 176.51 |
| 29 | 176.31 | 176.37 | 176.41 | 176.53 | 176.54 | 176.51 | 176.54 | 176.50 | 176.45 | 176.50 | 176.50 | 176.56 |
| 30 | 176.33 | | 176.39 | 176.52 | 176.54 | 176.51 | 176.53 | 176.46 | 176.52 | 176.47 | 176.51 | 176.57 |
| 31 | 176.36 | | 176.38 | | 176.54 | | 176.55 | 176.42 | | 176.50 | | 176.52 |
| Mean | 176.37 | 176.37 | 176.41 | 176.47 | 176.55 | 176.54 | 176.56 | 176.52 | 176.50 | 176.49 | 176.53 | 176.50 |
| Max. | 176.52 | 176.51 | 176.59 | 176.68 | 176.65 | 176.69 | 176.79 | 176.63 | 176.69 | 176.72 | 176.97 | 176.74 |
| Hr. | 1400 | 1800 | 0200 | 1100 | 1400 | 2300 | 0200 | 2200 | 0200 | 2100 | 1100 | 2100 |
| Day | 8 | 24 | 10 | 11 | 1 | 16 | 3 | 12 | 27 | 14 | 2 | 15 |
| Min. | 176.13 | 176.25 | 176.27 | 176.30 | 176.43 | 176.44 | 176.43 | 176.38 | 176.38 | 176.36 | 176.30 | 176.16 |
| Hr. | 1200 | 0300 | 2000 | 0900 | 2400 | 2200 | 0200 | 2400 | 0200 | 0500 | 2200 | 0700 |
| Day | 18 | 11 | 9 | 12 | 13 | 18 | 30 | 30 | 10 | 13 | 13 | 26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.48

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7072 Sturgeon Bay Canal, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 176.58 May
Daily mean elevation: 176.84 8 May
Instant/hourly elevation: 176.96 1000/2 Nov

LOWEST

Monthly mean elevation: 176.37 Jan
Daily mean elevation: 176.16 18 Jan
Instant/hourly elevation: 176.12 1200/18 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.46 | 176.43 | 176.47 | 176.55 | 176.84 | 176.59 | 176.65 | 176.58 | 176.57 | 176.55 | 176.81 | 176.59 |
| Day | 8      | 25     | 6      | 19     | 8      | 17     | 2      | 12     | 26     | 8      | 2      | 30     |
| Min | 176.16 | 176.31 | 176.34 | 176.37 | 176.50 | 176.50 | 176.51 | 176.42 | 176.44 | 176.39 | 176.37 | 176.27 |
| Day | 18     | 11     | 1      | 12     | 4      | 29     | 27     | 31     | 28     | 13     | 13     | 26     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.80 | | | | | 2 | | | | | | 1 | | 176.80 | 3 |
| 176.75 | | | | | | | | | | | | | 176.75 | 3 |
| 176.70 | | | | | 2 | | | | | | | | 176.70 | 5 |
| 176.65 | | | | | | | | | | | | | 176.65 | 5 |
| 176.60 | | | | | | | 2 | | | | 3 | | 176.60 | 10 |
| 176.55 | | | | | 10 | 8 | 16 | 7 | 1 | | 6 | 8 | 176.55 | 66 |
| 176.50 | | | | 12 | 15 | 21 | 13 | 20 | 17 | 10 | 11 | 11 | 176.50 | 196 |
| 176.45 | 1 | | 2 | 5 | 2 | 1 | | 2 | 11 | 15 | 5 | 5 | 176.45 | 245 |
| 176.40 | 7 | 4 | 13 | 6 | | | | 2 | 1 | 4 | 3 | 4 | 176.40 | 289 |
| 176.35 | 14 | 20 | 15 | 7 | | | | | | 2 | 1 | 1 | 176.35 | 349 |
| 176.30 | 6 | 5 | 1 | | | | | | | | | 1 | 176.30 | 362 |
| 176.25 | 1 | | | | | | | | | | | 1 | 176.25 | 364 |
| 176.20 | 1 | | | | | | | | | | | | 176.20 | 365 |
| 176.15 | 1 | | | | | | | | | | | | 176.15 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7072 Sturgeon Bay Canal, Wisconsin on Lake Michigan

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 176.41 | 176.40 | 176.34 | 176.40 | 176.60 | 176.54 | 176.57 | 176.52 | 176.50 | 176.52 | 176.60 | 176.53 |
| 2 | 176.42 | 176.37 | 176.42 | 176.39 | 176.56 | 176.54 | 176.65 | 176.52 | 176.54 | 176.49 | 176.81 | 176.50 |
| 3 | 176.44 | 176.41 | 176.41 | 176.40 | 176.50 | 176.54 | 176.62 | 176.54 | 176.51 | 176.51 | 176.60 | 176.51 |
| 4 | 176.40 | 176.36 | 176.40 | 176.42 | 176.50 | 176.56 | 176.53 | 176.54 | 176.50 | 176.54 | 176.48 | 176.54 |
| 5 | 176.40 | 176.37 | 176.41 | 176.40 | 176.51 | 176.56 | 176.51 | 176.53 | 176.52 | 176.54 | 176.45 | 176.47 |
| 6 | 176.39 | 176.39 | 176.47 | 176.42 | 176.74 | 176.55 | 176.52 | 176.53 | 176.52 | 176.51 | 176.50 | 176.39 |
| 7 | 176.38 | 176.36 | 176.45 | 176.40 | 176.82 | 176.54 | 176.54 | 176.56 | 176.52 | 176.52 | 176.52 | 176.44 |
| 8 | 176.46 | 176.36 | 176.41 | 176.40 | 176.84 | 176.52 | 176.56 | 176.58 | 176.50 | 176.55 | 176.52 | 176.53 |
| 9 | 176.43 | 176.36 | 176.39 | 176.42 | 176.72 | 176.53 | 176.53 | 176.54 | 176.51 | 176.54 | 176.52 | 176.56 |
| 10 | 176.37 | 176.36 | 176.43 | 176.45 | 176.54 | 176.53 | 176.55 | 176.56 | 176.47 | 176.48 | 176.51 | 176.58 |
| 11 | 176.40 | 176.31 | 176.43 | 176.52 | 176.56 | 176.54 | 176.55 | 176.54 | 176.47 | 176.51 | 176.43 | 176.56 |
| 12 | 176.42 | 176.35 | 176.39 | 176.37 | 176.55 | 176.53 | 176.58 | 176.58 | 176.47 | 176.43 | 176.48 | 176.56 |
| 13 | 176.35 | 176.35 | 176.39 | 176.42 | 176.51 | 176.52 | 176.57 | 176.57 | 176.48 | 176.39 | 176.37 | 176.58 |
| 14 | 176.39 | 176.36 | 176.39 | 176.44 | 176.54 | 176.55 | 176.57 | 176.56 | 176.51 | 176.47 | 176.42 | 176.55 |
| 15 | 176.37 | 176.39 | 176.40 | 176.46 | 176.56 | 176.59 | 176.58 | 176.56 | 176.53 | 176.53 | 176.51 | 176.54 |
| 16 | 176.37 | 176.39 | 176.40 | 176.52 | 176.56 | 176.57 | 176.58 | 176.55 | 176.54 | 176.50 | 176.51 | 176.57 |
| 17 | 176.26 | 176.37 | 176.36 | 176.48 | 176.55 | 176.59 | 176.58 | 176.53 | 176.54 | 176.40 | 176.56 | 176.52 |
| 18 | 176.16 | 176.42 | 176.40 | 176.51 | 176.54 | 176.54 | 176.58 | 176.51 | 176.51 | 176.45 | 176.53 | 176.55 |
| 19 | 176.25 | 176.40 | 176.43 | 176.55 | 176.57 | 176.52 | 176.59 | 176.51 | 176.47 | 176.47 | 176.54 | 176.53 |
| 20 | 176.37 | 176.39 | 176.39 | 176.52 | 176.56 | 176.57 | 176.53 | 176.53 | 176.52 | 176.48 | 176.62 | 176.41 |
| 21 | 176.33 | 176.36 | 176.42 | 176.53 | 176.56 | 176.56 | 176.56 | 176.50 | 176.54 | 176.48 | 176.59 | 176.47 |
| 22 | 176.45 | 176.38 | 176.44 | 176.50 | 176.57 | 176.54 | 176.56 | 176.51 | 176.47 | 176.49 | 176.50 | 176.49 |
| 23 | 176.41 | 176.38 | 176.40 | 176.50 | 176.52 | 176.56 | 176.56 | 176.52 | 176.50 | 176.47 | 176.62 | 176.44 |
| 24 | 176.32 | 176.43 | 176.45 | 176.51 | 176.57 | 176.55 | 176.58 | 176.52 | 176.52 | 176.44 | 176.58 | 176.42 |
| 25 | 176.38 | 176.43 | 176.46 | 176.50 | 176.55 | 176.54 | 176.58 | 176.51 | 176.54 | 176.49 | 176.57 | 176.31 |
| 26 | 176.39 | 176.36 | 176.41 | 176.51 | 176.54 | 176.54 | 176.56 | 176.51 | 176.57 | 176.45 | 176.62 | 176.27 |
| 27 | 176.40 | 176.34 | 176.42 | 176.52 | 176.53 | 176.52 | 176.51 | 176.54 | 176.52 | 176.46 | 176.55 | 176.48 |
| 28 | 176.39 | 176.35 | 176.39 | 176.51 | 176.54 | 176.52 | 176.55 | 176.54 | 176.44 | 176.49 | 176.54 | 176.53 |
| 29 | 176.33 | 176.37 | 176.40 | 176.52 | 176.53 | 176.50 | 176.54 | 176.50 | 176.46 | 176.50 | 176.50 | 176.56 |
| 30 | 176.33 | | 176.40 | 176.53 | 176.55 | 176.51 | 176.53 | 176.44 | 176.53 | 176.47 | 176.53 | 176.59 |
| 31 | 176.34 | | 176.40 | | 176.53 | | 176.55 | 176.42 | | 176.49 | | 176.52 |
| Mean | 176.37 | 176.38 | 176.41 | 176.47 | 176.58 | 176.54 | 176.56 | 176.53 | 176.51 | 176.48 | 176.54 | 176.50 |
| Max. | 176.53 | 176.48 | 176.52 | 176.66 | 176.87 | 176.77 | 176.76 | 176.68 | 176.61 | 176.63 | 176.96 | 176.74 |
| Hr. | 2100 | 1400 | 2100 | 2400 | 2300 | 1900 | 2300 | 0800 | 0600 | 1900 | 1000 | 0200 |
| Day | 8 | 20 | 6 | 10 | 8 | 17 | 2 | 10 | 18 | 8 | 2 | 16 |
| Min. | 176.12 | 176.26 | 176.23 | 176.32 | 176.42 | 176.46 | 176.44 | 176.27 | 176.38 | 176.30 | 176.32 | 176.13 |
| Hr. | 1200 | 0800 | 0200 | 1000 | 1500 | 1400 | 1800 | 0500 | 2400 | 0200 | 2200 | 0200 |
| Day | 18 | 11 | 10 | 12 | 5 | 29 | 5 | 28 | 28 | 13 | 13 | 26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.49

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7079 Green Bay, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 176.57 Jul
Daily mean elevation: 176.91 2 Nov
Instant/hourly elevation: 177.13 0400/2 Nov

LOWEST

Monthly mean elevation: 176.37 Feb
Daily mean elevation: 176.13 25 Dec
Instant/hourly elevation: 175.58 1500/25 Dec

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.49 | 176.45 | 176.50 | 176.63 | 176.71 | 176.68 | 176.73 | 176.65 | 176.58 | 176.70 | 176.91 | 176.63 |
| Day | 8      | 24     | 6      | 16     | 23     | 20     | 2      | 27     | 26     | 15     | 2      | 29     |
| Min | 176.14 | 176.29 | 176.36 | 176.39 | 176.46 | 176.46 | 176.45 | 176.34 | 176.38 | 176.31 | 176.24 | 176.13 |
| Day | 18     | 11     | 16     | 13     | 7      | 28     | 4      | 30     | 28     | 13     | 13     | 25     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.90 | | | | | | | | | | | 1 | | 176.90 | 1 |
| 176.85 | | | | | | | | | | | | | 176.85 | 1 |
| 176.80 | | | | | | | | | | | 1 | | 176.80 | 2 |
| 176.75 | | | | | | | | | | | | | 176.75 | 2 |
| 176.70 | | | | | 1 | | 1 | | | | 2 | | 176.70 | 6 |
| 176.65 | | | | | 1 | 1 | 1 | | | 1 | 1 | | 176.65 | 11 |
| 176.60 | | | | 1 | 1 | 3 | 6 | 2 | | | 5 | 3 | 176.60 | 32 |
| 176.55 | | | | 5 | 14 | 9 | 11 | 10 | 3 | 5 | 1 | 5 | 176.55 | 95 |
| 176.50 | | | | 9 | 12 | 15 | 10 | 6 | 9 | 4 | 7 | 8 | 176.50 | 175 |
| 176.45 | 2 | | 2 | 3 | 2 | 2 | 1 | 9 | 11 | 11 | 6 | 4 | 176.45 | 228 |
| 176.40 | 6 | 4 | 14 | 4 | | | 1 | 3 | 6 | 7 | 4 | 4 | 176.40 | 281 |
| 176.35 | 13 | 16 | 15 | 8 | | | | | 1 | 1 | 1 | 1 | 176.35 | 337 |
| 176.30 | 6 | 8 | | | | | | 1 | | 1 | | 3 | 176.30 | 357 |
| 176.25 | 2 | 1 | | | | | | | | 2 | | | 176.25 | 360 |
| 176.20 | 1 | | | | | | | | | | 1 | 2 | 176.20 | 364 |
| 176.15 | | | | | | | | | | | | | 176.15 | 364 |
| 176.10 | 1 | | | | | | | | | | | 1 | 176.10 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 908-7079 Green Bay, Wisconsin on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 176.40 | 176.40 | 176.36 | 176.42 | 176.58 | 176.57 | 176.69 | 176.44 | 176.50 | 176.50 | 176.81 | 176.41 |
| 2 | 176.43 | 176.38 | 176.42 | 176.39 | 176.55 | 176.54 | 176.73 | 176.52 | 176.51 | 176.46 | 176.91 | 176.52 |
| 3 | 176.45 | 176.41 | 176.42 | 176.39 | 176.55 | 176.53 | 176.61 | 176.56 | 176.50 | 176.60 | 176.46 | 176.47 |
| 4 | 176.39 | 176.33 | 176.41 | 176.44 | 176.59 | 176.57 | 176.45 | 176.56 | 176.48 | 176.58 | 176.42 | 176.49 |
| 5 | 176.40 | 176.37 | 176.44 | 176.40 | 176.61 | 176.57 | 176.50 | 176.50 | 176.49 | 176.53 | 176.46 | 176.35 |
| 6 | 176.38 | 176.38 | 176.50 | 176.40 | 176.50 | 176.55 | 176.51 | 176.50 | 176.56 | 176.49 | 176.51 | 176.25 |
| 7 | 176.40 | 176.36 | 176.45 | 176.40 | 176.46 | 176.56 | 176.52 | 176.55 | 176.55 | 176.52 | 176.54 | 176.43 |
| 8 | 176.49 | 176.33 | 176.40 | 176.39 | 176.53 | 176.52 | 176.56 | 176.59 | 176.45 | 176.58 | 176.50 | 176.52 |
| 9 | 176.44 | 176.36 | 176.42 | 176.42 | 176.57 | 176.54 | 176.53 | 176.54 | 176.50 | 176.43 | 176.53 | 176.53 |
| 10 | 176.32 | 176.37 | 176.42 | 176.59 | 176.53 | 176.53 | 176.58 | 176.56 | 176.44 | 176.45 | 176.46 | 176.62 |
| 11 | 176.41 | 176.29 | 176.40 | 176.52 | 176.55 | 176.53 | 176.57 | 176.57 | 176.44 | 176.49 | 176.41 | 176.57 |
| 12 | 176.40 | 176.35 | 176.36 | 176.40 | 176.55 | 176.52 | 176.64 | 176.62 | 176.42 | 176.38 | 176.41 | 176.56 |
| 13 | 176.42 | 176.35 | 176.37 | 176.39 | 176.57 | 176.54 | 176.63 | 176.60 | 176.44 | 176.31 | 176.24 | 176.58 |
| 14 | 176.44 | 176.35 | 176.37 | 176.46 | 176.53 | 176.63 | 176.63 | 176.59 | 176.53 | 176.58 | 176.40 | 176.57 |
| 15 | 176.34 | 176.38 | 176.38 | 176.52 | 176.55 | 176.65 | 176.57 | 176.55 | 176.55 | 176.70 | 176.47 | 176.55 |
| 16 | 176.36 | 176.38 | 176.36 | 176.63 | 176.54 | 176.60 | 176.57 | 176.54 | 176.52 | 176.42 | 176.55 | 176.52 |
| 17 | 176.24 | 176.37 | 176.38 | 176.51 | 176.56 | 176.55 | 176.62 | 176.50 | 176.54 | 176.34 | 176.65 | 176.54 |
| 18 | 176.14 | 176.44 | 176.39 | 176.52 | 176.59 | 176.54 | 176.59 | 176.52 | 176.47 | 176.45 | 176.54 | 176.56 |
| 19 | 176.27 | 176.39 | 176.42 | 176.55 | 176.58 | 176.62 | 176.53 | 176.50 | 176.44 | 176.41 | 176.57 | 176.43 |
| 20 | 176.38 | 176.38 | 176.40 | 176.54 | 176.57 | 176.68 | 176.56 | 176.50 | 176.47 | 176.44 | 176.65 | 176.35 |
| 21 | 176.32 | 176.38 | 176.41 | 176.52 | 176.58 | 176.59 | 176.54 | 176.45 | 176.55 | 176.47 | 176.61 | 176.39 |
| 22 | 176.48 | 176.37 | 176.42 | 176.45 | 176.56 | 176.52 | 176.58 | 176.47 | 176.54 | 176.49 | 176.71 | 176.46 |
| 23 | 176.39 | 176.39 | 176.40 | 176.49 | 176.71 | 176.58 | 176.61 | 176.50 | 176.46 | 176.48 | 176.70 | 176.41 |
| 24 | 176.30 | 176.45 | 176.44 | 176.56 | 176.67 | 176.56 | 176.58 | 176.50 | 176.48 | 176.48 | 176.65 | 176.32 |
| 25 | 176.36 | 176.42 | 176.45 | 176.51 | 176.58 | 176.54 | 176.56 | 176.56 | 176.56 | 176.48 | 176.74 | 176.13 |
| 26 | 176.40 | 176.34 | 176.46 | 176.56 | 176.56 | 176.57 | 176.56 | 176.59 | 176.58 | 176.47 | 176.64 | 176.24 |
| 27 | 176.40 | 176.33 | 176.41 | 176.56 | 176.51 | 176.50 | 176.53 | 176.65 | 176.48 | 176.45 | 176.53 | 176.47 |
| 28 | 176.39 | 176.37 | 176.39 | 176.48 | 176.52 | 176.46 | 176.54 | 176.56 | 176.38 | 176.57 | 176.48 | 176.54 |
| 29 | 176.33 | 176.34 | 176.39 | 176.54 | 176.53 | 176.54 | 176.53 | 176.47 | 176.46 | 176.55 | 176.43 | 176.63 |
| 30 | 176.34 | | 176.39 | 176.57 | 176.57 | 176.53 | 176.55 | 176.34 | 176.53 | 176.48 | 176.52 | 176.61 |
| 31 | 176.35 | | 176.44 | | 176.56 | | 176.55 | 176.41 | | 176.54 | | 176.51 |
| Mean | 176.37 | 176.37 | 176.41 | 176.48 | 176.56 | 176.56 | 176.57 | 176.53 | 176.50 | 176.49 | 176.55 | 176.47 |
| Max. | 176.63 | 176.72 | 176.73 | 176.82 | 176.90 | 177.08 | 176.88 | 176.82 | 176.84 | 176.90 | 177.13 | 176.91 |
| Hr. | 0400 | 0900 | 1900 | 1700 | 1900 | 1900 | 1800 | 1400 | 0300 | 2100 | 0400 | 0300 |
| Day | 14 | 29 | 31 | 11 | 23 | 18 | 1 | 11 | 14 | 28 | 2 | 17 |
| Min. | 175.99 | 175.97 | 176.11 | 176.09 | 176.34 | 176.24 | 176.36 | 175.95 | 176.12 | 175.83 | 176.03 | 175.58 |
| Hr. | 1300 | 2400 | 1600 | 1000 | 2400 | 0100 | 0700 | 0400 | 0200 | 0200 | 0100 | 1500 |
| Day | 18 | 20 | 1 | 12 | 6 | 18 | 4 | 31 | 28 | 13 | 13 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.49

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7096 Port Inland, Michigan on Lake Michigan

HIGHEST

Monthly mean elevation: 176.54 Jul
Daily mean elevation: 176.79 2 Nov
Instant/hourly elevation: 176.98 1600/2 Nov

LOWEST

Monthly mean elevation: 176.35 Feb
Daily mean elevation: 176.18 18 Jan
Instant/hourly elevation: 176.08 1000/10 Mar

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 176.47 | 176.40 | 176.46 | 176.53 | 176.59 | 176.64 | 176.64 | 176.58 | 176.59 | 176.62 | 176.79 | 176.61 |
| Day | 12 | 29 | 25 | 22 | 1 | 17 | 3 | 8 | 26 | 9 | 2 | 9 |
| Min | 176.18 | 176.26 | 176.26 | 176.33 | 176.43 | 176.47 | 176.48 | 176.43 | 176.44 | 176.40 | 176.42 | 176.32 |
| Day | 18 | 11 | 10 | 12 | 23 | 19 | 27 | 31 | 22 | 17 | 5 | 26 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 176.75 | | | | | | | | | | | 1 | | 176.75 | 1 |
| 176.70 | | | | | | | | | | | | | 176.70 | 1 |
| 176.65 | | | | | | | | | | | 1 | | 176.65 | 2 |
| 176.60 | | | | | | 1 | 2 | | | 1 | 1 | 2 | 176.60 | 9 |
| 176.55 | | | | | 5 | 1 | 6 | 1 | 9 | 1 | 6 | 9 | 176.55 | 47 |
| 176.50 | | | | 7 | 19 | 19 | 19 | 21 | 14 | 10 | 5 | 13 | 176.50 | 174 |
| 176.45 | 2 | | 2 | 8 | 6 | 9 | 4 | 8 | 5 | 9 | 10 | 2 | 176.45 | 239 |
| 176.40 | 7 | | 3 | 5 | 1 | | | 1 | 2 | 9 | 4 | 3 | 176.40 | 274 |
| 176.35 | 12 | 12 | 15 | 6 | | | | | | 1 | | | 176.35 | 320 |
| 176.30 | 4 | 14 | 8 | 4 | | | | | | | | 1 | 176.30 | 351 |
| 176.25 | 5 | 2 | 3 | | | | | | | | | | 176.25 | 361 |
| 176.20 | | | | | | | | | | | | | 176.20 | 361 |
| 176.15 | 1 | | | | | | | | | | | | 176.15 | 362 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 908-7096 Port Inland, Michigan on Lake Michigan

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|---------|--------|--------|---------|---------|--------|--------|--------|--------|---------|---------|
| 1 | 176.41 | 176.40 | 176.32 | 176.34 | 176.59 | 176.51 | 176.52 | 176.55 | 176.50 | 176.56 | 176.49 | 176.61 |
| 2 | 176.40 | 176.38 | 176.41 | 176.35 | 176.54 | 176.53 | 176.61 | 176.55 | 176.57 | 176.53 | 176.79 | 176.51 |
| 3 | 176.43 | 176.39 | 176.36 | 176.37 | 176.48 | 176.52 | 176.64 | 176.53 | 176.52 | 176.48 | 176.69 | 176.51 |
| 4 | 176.38 | 176.29 | 176.36 | 176.35 | 176.50 | 176.54 | 176.52 | 176.50 | 176.50 | 176.51 | 176.48 | 176.53 |
| 5 | 176.38 | 176.35 | 176.36 | 176.36 | 176.50 | 176.54 | 176.49 | 176.52 | 176.56 | 176.52 | 176.42 | 176.51 |
| 6 | 176.38 | 176.40* | 176.42 | 176.42 | 176.52 | 176.52 | 176.50 | 176.53 | 176.52 | 176.53 | 176.46* | 176.49 |
| 7 | 176.33 | 176.33 | 176.39 | 176.37 | 176.55 | 176.52 | 176.53 | 176.55 | 176.51 | 176.52 | / | 176.44 |
| 8 | 176.46 | 176.31 | 176.37 | 176.37 | 176.52 | 176.50 | 176.55 | 176.58 | 176.52 | 176.53 | / | 176.54 |
| 9 | 176.42 | 176.34 | 176.30 | 176.40 | 176.53* | 176.50 | 176.52 | 176.52 | 176.55 | 176.62 | 176.56* | 176.61 |
| 10 | 176.36 | 176.39* | 176.26 | 176.38 | 176.52* | 176.52 | 176.52 | 176.54 | 176.49 | 176.51 | 176.58 | 176.59 |
| 11 | 176.40 | 176.26 | 176.34 | 176.52 | 176.57 | 176.52 | 176.53 | 176.50 | 176.51 | 176.52 | 176.46 | 176.54 |
| 12 | 176.47 | 176.34 | 176.30 | 176.33 | 176.54 | 176.53 | 176.55 | 176.53 | 176.55 | 176.45 | 176.49 | 176.52 |
| 13 | 176.29 | 176.35 | 176.35 | 176.41 | 176.47 | 176.50 | 176.53 | 176.52 | 176.55 | 176.41 | 176.44 | 176.56 |
| 14 | 176.31 | 176.32 | 176.35 | 176.43 | 176.51 | 176.50 | 176.55 | 176.51 | 176.55 | 176.47 | 176.43 | 176.58 |
| 15 | 176.34 | 176.32 | 176.36 | 176.43 | 176.56 | 176.54 | 176.56 | 176.52 | 176.52 | 176.47 | 176.50 | 176.58 |
| 16 | 176.41 | 176.38 | 176.46 | 176.47 | 176.56 | 176.54 | 176.57 | 176.53 | 176.58 | 176.48 | 176.48 | 176.60 |
| 17 | 176.28 | 176.33 | 176.34 | 176.44 | 176.54 | 176.64 | 176.57 | 176.54 | 176.54 | 176.40 | 176.50* | 176.52 |
| 18 | 176.18 | 176.36 | 176.37 | 176.46 | 176.51 | 176.56 | 176.55 | 176.50 | 176.56 | 176.43 | 176.49 | 176.56 |
| 19 | 176.27 | 176.35 | 176.40 | 176.52 | 176.55 | 176.47 | 176.59 | 176.48 | 176.50 | 176.47 | 176.51 | 176.59 |
| 20 | 176.39 | 176.38 | 176.35 | 176.48 | 176.54 | 176.50 | 176.50 | 176.53 | 176.58 | 176.52 | 176.63 | 176.44 |
| 21 | 176.30 | 176.34 | 176.38 | 176.52 | 176.54 | 176.51 | 176.53 | 176.52 | 176.58 | 176.48 | 176.59 | 176.58 |
| 22 | 176.43 | 176.38 | 176.40 | 176.53 | 176.56 | 176.51 | 176.56 | 176.53 | 176.44 | 176.52 | 176.43 | 176.55 |
| 23 | 176.41 | 176.34 | 176.38 | 176.49 | 176.43 | 176.53 | 176.54 | 176.54 | 176.51 | 176.49 | 176.56 | 176.43 |
| 24 | 176.27 | 176.39 | 176.42 | 176.50 | 176.50 | 176.53* | 176.54 | 176.54 | 176.56 | 176.42 | 176.54 | 176.53 |
| 25 | 176.36 | / | 176.46 | 176.47 | 176.52 | 176.52 | 176.56 | 176.51 | 176.58 | 176.50 | 176.50 | 176.46 |
| 26 | 176.39 | 176.36* | 176.36 | 176.46 | 176.52 | 176.51 | 176.54 | 176.47 | 176.59 | 176.42 | 176.58 | 176.32 |
| 27 | 176.40 | 176.32 | 176.34 | 176.48 | 176.50 | 176.49 | 176.48 | 176.47 | 176.53 | 176.44 | 176.52 | 176.56 |
| 28 | 176.44 | 176.32 | 176.35 | 176.51 | 176.52 | 176.54 | 176.53 | 176.49 | 176.46 | 176.46 | 176.56 | 176.52 |
| 29 | 176.40 | 176.40 | 176.39 | 176.52 | 176.52 | 176.49 | 176.52 | 176.48 | 176.45 | 176.44 | 176.54 | 176.54 |
| 30 | 176.36 | | 176.38 | 176.51 | 176.53 | 176.50 | 176.51 | 176.51 | 176.54 | 176.44 | 176.51 | 176.55* |
| 31 | 176.34 | | 176.36 | | 176.52 | | 176.54 | 176.43 | | 176.45 | | / |
| Mean | 176.37 | 176.35 | 176.37 | 176.44 | 176.52 | 176.52 | 176.54 | 176.52 | 176.53 | 176.48 | 176.53 | 176.53 |
| Max. | 176.56 | 176.58 | 176.58 | 176.63 | 176.68 | 176.79 | 176.75 | 176.67 | 176.68 | 176.70 | 176.98 | 176.86 |
| Hr. | 1200 | 1700 | 1700 | 1300 | 0800 | 2100 | 0700 | 1000 | 0800 | 0400 | 1600 | 0400 |
| Day | 12 | 20 | 16 | 11 | 15 | 17 | 3 | 30 | 16 | 9 | 2 | 16 |
| Min. | 176.09 | 176.18 | 176.08 | 176.27 | 176.37 | 176.38 | 176.42 | 176.33 | 176.33 | 176.33 | 176.34 | 176.21 |
| Hr. | 0200 | 1300 | 1000 | 0100 | 1900 | 2100 | 2000 | 2400 | 0400 | 2200 | 1600 | 0700 |
| Day | 18 | 28 | 10 | 1 | 23 | 18 | 20 | 30 | 29 | 12 | 22 | 26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 176.47

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 909-9004 Point Iroquois, Michigan on Lake Superior (Whitefish Bay)

HIGHEST

Monthly mean elevation: 183.55 Oct
Daily mean elevation: 183.70 28 Sep
Instant/hourly elevation: 184.02 1500/28 Sep

LOWEST

Monthly mean elevation: 183.22 Apr
Daily mean elevation: 183.11 19 Apr
Instant/hourly elevation: 183.01 0700/1 May

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 183.56 | 183.40 | 183.33 | 183.31 | 183.44 | 183.43 | 183.52 | 183.54 | 183.70 | 183.69 | 183.66 | 183.67 |
| Day | 17     | 4      | 9      | 26     | 23     | 19     | 20     | 30     | 28     | 16     | 13     | 25     |
| Min | 183.24 | 183.24 | 183.16 | 183.11 | 183.18 | 183.25 | 183.33 | 183.41 | 183.39 | 183.46 | 183.32 | 183.35 |
| Day | 22     | 24     | 24     | 19     | 1      | 17     | 2      | 23     | 2      | 22     | 2      | 9      |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 183.65 | | | | | | | | | 2 | 1 | 1 | 1 | 183.65 | 5 |
| 183.60 | | | | | | | | | 1 | 3 | | 1 | 183.60 | 10 |
| 183.55 | 1 | | | | | | | | 5 | 9 | 3 | 2 | 183.55 | 30 |
| 183.50 | | | | | | | 2 | 6 | 7 | 13 | 12 | 8 | 183.50 | 78 |
| 183.45 | 1 | | | | 1 | 2 | 11 | 17 | 11 | 5 | 10 | 6 | 183.45 | 139 |
| 183.40 | 8 | | | | 7 | 15 | 14 | 8 | 2 | | 2 | 10 | 183.40 | 186 |
| 183.35 | 13 | 2 | | | 11 | 11 | 3 | | 2 | | 1 | 2 | 183.35 | 231 |
| 183.30 | 6 | 7 | 3 | 1 | 6 | 1 | 1 | | | | 1 | 1 | 183.30 | 273 |
| 183.25 | 1 | 18 | 10 | 7 | 5 | | | | | | | | 183.25 | 316 |
| 183.20 | 1 | 2 | 16 | 8 | 5 | 1 | | | | | | | 183.20 | 349 |
| 183.15 | | | 2 | 11 | 1 | | | | | | | | 183.15 | 363 |
| 183.10 | | | | 3 | | | | | | | | | 183.10 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 909-9004 Point Iroquois, Michigan on Lake Superior (Whitefish Bay)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 183.36 | 183.29 | 183.27 | 183.24 | 183.18 | 183.35 | 183.36 | 183.46 | 183.48 | 183.52 | 183.44 | 183.44 |
| 2 | 183.36 | 183.31 | 183.22 | 183.22 | 183.30 | 183.35 | 183.33 | 183.48 | 183.39 | 183.56 | 183.32 | 183.56 |
| 3 | 183.37 | 183.29 | 183.24 | 183.19 | 183.33 | 183.34 | 183.39 | 183.50 | 183.52 | 183.56 | 183.48 | 183.49 |
| 4 | 183.41 | 183.40 | 183.24 | 183.23 | 183.31 | 183.31 | 183.43 | 183.51 | 183.46 | 183.54 | 183.56 | 183.55 |
| 5 | 183.36 | 183.27 | 183.24 | 183.18 | 183.31 | 183.34 | 183.46 | 183.47 | 183.40 | 183.50 | 183.58 | 183.53 |
| 6 | 183.42 | 183.29 | 183.22 | 183.15 | 183.25 | 183.36 | 183.45 | 183.45 | 183.51 | 183.51 | 183.54 | 183.54 |
| 7 | 183.39 | 183.34 | 183.27 | 183.24 | 183.24 | 183.38 | 183.40 | 183.42 | 183.48 | 183.52 | 183.49 | 183.54 |
| 8 | 183.30 | 183.35 | 183.26 | 183.19 | 183.25 | 183.37 | 183.42 | 183.48 | 183.56 | 183.52 | 183.48 | 183.45 |
| 9 | 183.43 | 183.28 | 183.33 | 183.21 | 183.27 | 183.36 | 183.44 | 183.46 | 183.47 | 183.51 | 183.43 | 183.35 |
| 10 | 183.40 | 183.33 | 183.31 | 183.17 | 183.23 | 183.35 | 183.47 | 183.50 | 183.56 | 183.56 | 183.48 | 183.43 |
| 11 | 183.33 | 183.36 | 183.28 | 183.22 | 183.24 | 183.35 | 183.44 | 183.52 | 183.50 | 183.57 | 183.52 | 183.46 |
| 12 | 183.36 | 183.29 | 183.31 | 183.29 | 183.31 | 183.36 | 183.44 | 183.49 | 183.47 | 183.64 | 183.54 | 183.43 |
| 13 | 183.45 | 183.32 | 183.28 | 183.18 | 183.36 | 183.37 | 183.44 | 183.48 | 183.43 | 183.61 | 183.66 | 183.41 |
| 14 | 183.42 | 183.29 | 183.28 | 183.18 | 183.29 | 183.36 | 183.45 | 183.48 | 183.51 | 183.56 | 183.55 | 183.40 |
| 15 | 183.41 | 183.29 | 183.26 | 183.17 | 183.29 | 183.34 | 183.43 | 183.46 | 183.50 | 183.57 | 183.53 | 183.39 |
| 16 | 183.34 | 183.28 | 183.24 | 183.19 | 183.26 | 183.30 | 183.43 | 183.45 | 183.49 | 183.69 | 183.51 | 183.52 |
| 17 | 183.56 | 183.27 | 183.28 | 183.18 | 183.37 | 183.25 | 183.46 | 183.44 | 183.52 | 183.60 | 183.50 | 183.51 |
| 18 | 183.50 | 183.26 | 183.24 | 183.13 | 183.33 | 183.39 | 183.46 | 183.51 | 183.60 | 183.62 | 183.47 | 183.43 |
| 19 | 183.40 | 183.31 | 183.25 | 183.11 | 183.30 | 183.43 | 183.42 | 183.50 | 183.57 | 183.54 | 183.46 | 183.49 |
| 20 | 183.38 | 183.24 | 183.26 | 183.17 | 183.31 | 183.41 | 183.52 | 183.45 | 183.49 | 183.52 | 183.38 | 183.56 |
| 21 | 183.37 | 183.26 | 183.22 | 183.20 | 183.31 | 183.40 | 183.46 | 183.46 | 183.53 | 183.52 | 183.56 | 183.43 |
| 22 | 183.24 | 183.28 | 183.22 | 183.23 | 183.33 | 183.35 | 183.45 | 183.43 | 183.68 | 183.46 | 183.53 | 183.48 |
| 23 | 183.42 | 183.26 | 183.22 | 183.26 | 183.44 | 183.34 | 183.46 | 183.41 | 183.53 | 183.55 | 183.51 | 183.61 |
| 24 | 183.44 | 183.24 | 183.16 | 183.28 | 183.38 | 183.36 | 183.44 | 183.44 | 183.45 | 183.56 | 183.50 | 183.46 |
| 25 | 183.37 | 183.29 | 183.21 | 183.29 | 183.36 | 183.36 | 183.44 | 183.50 | 183.46 | 183.49 | 183.52 | 183.67 |
| 26 | 183.33 | 183.30 | 183.24 | 183.31 | 183.37 | 183.39 | 183.49 | 183.54 | 183.47 | 183.59 | 183.55 | 183.51 |
| 27 | 183.34 | 183.31 | 183.26 | 183.29 | 183.36 | 183.37 | 183.51 | 183.50 | 183.61 | 183.53 | 183.52 | 183.41 |
| 28 | 183.31 | 183.30 | 183.20 | 183.22 | 183.34 | 183.33 | 183.47 | 183.50 | 183.70 | 183.54 | 183.49 | 183.46 |
| 29 | 183.33 | 183.26 | 183.21 | 183.27 | 183.34 | 183.38 | 183.48 | 183.46 | 183.57 | 183.54 | 183.50 | 183.42 |
| 30 | 183.36 | | 183.23 | 183.26 | 183.34 | 183.37 | 183.47 | 183.54 | 183.54 | 183.50 | 183.52 | 183.44 |
| 31 | 183.36 | | 183.24 | | 183.37 | | 183.46 | 183.53 | | 183.49 | | 183.51 |
| Mean | 183.38 | 183.30 | 183.25 | 183.22 | 183.31 | 183.36 | 183.44 | 183.48 | 183.51 | 183.55 | 183.50 | 183.48 |
| Max.
Hr.
Day | 183.69
2100
17 | 183.50
0700
4 | 183.42
1400
9 | 183.57
2400
11 | 183.56
0500
23 | 183.51
2400
18 | 183.60
0600
20 | 183.69
2100
30 | 184.02
1500
28 | 183.89
1700
16 | 183.81
0500
13 | 183.88
1100
25 |
| Min.
Hr.
Day | 183.15
1600
22 | 183.12
1800
20 | 183.10
2000
24 | 183.04
1700
19 | 183.01
0700
1 | 183.18
1400
17 | 183.24
1900
2 | 183.25
2100
9 | 183.30
1500
5 | 183.40
1200
20 | 183.17
1500
2 | 183.27
0200
10 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 183.40

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 909-9018 Marquette Coast Guard, Michigan on Lake Superior

HIGHEST

Monthly mean elevation: 183.54 Oct
Daily mean elevation: 183.61 16 Oct
Instant/hourly elevation: 183.69 1200/28 Sep

LOWEST

Monthly mean elevation: 183.22 Apr
Daily mean elevation: 183.18 18 Apr
Instant/hourly elevation: 183.08 1800/18 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 183.44 | 183.37 | 183.34 | 183.29 | 183.39 | 183.40 | 183.47 | 183.51 | 183.58 | 183.61 | 183.56 | 183.52 |
| Day | 13 | 8 | 10 | 26 | 23 | 19 | 31 | 26 | 28 | 16 | 5 | 2 |
| Min | 183.32 | 183.28 | 183.20 | 183.18 | 183.26 | 183.33 | 183.38 | 183.44 | 183.46 | 183.51 | 183.48 | 183.42 |
| Day | 28 | 29 | 24 | 18 | 1 | 17 | 1 | 23 | 2 | 31 | 20 | 9 |

| ~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~ | | | | | | | | | | | | | | Elev.
(ft.) | No. of days
above elev. |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|----------------|----------------------------|
| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | Elev.
(ft.) | |
| 183.60 | | | | | | | | | | 1 | | | | 183.60 | 1 |
| 183.55 | | | | | | | | | 3 | 8 | 1 | | | 183.55 | 13 |
| 183.50 | | | | | | | | 1 | 15 | 22 | 14 | 4 | | 183.50 | 69 |
| 183.45 | | | | | | | 16 | 29 | 12 | | 15 | 22 | | 183.45 | 163 |
| 183.40 | 7 | | | | | | 13 | 1 | | | | 5 | | 183.40 | 189 |
| 183.35 | 19 | 3 | | | 10 | 26 | 2 | | | | | | | 183.35 | 249 |
| 183.30 | 5 | 8 | 2 | | 10 | 4 | | | | | | | | 183.30 | 278 |
| 183.25 | | 18 | 15 | 8 | 11 | | | | | | | | | 183.25 | 330 |
| 183.20 | | | 13 | 9 | | | | | | | | | | 183.20 | 352 |
| 183.15 | | | 1 | 13 | | | | | | | | | | 183.15 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 909-9018 Marquette Coast Guard, Michigan on Lake Superior

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 183.40 | 183.32 | 183.27 | 183.24 | 183.26 | 183.36 | 183.38 | 183.46 | 183.48 | 183.54 | 183.50 | 183.47 |
| 2 | 183.40 | 183.32 | 183.27 | 183.22 | 183.29 | 183.35 | 183.40 | 183.48 | 183.46 | 183.54 | 183.49 | 183.52 |
| 3 | 183.40 | 183.32 | 183.27 | 183.21 | 183.30 | 183.36 | 183.42 | 183.49 | 183.49 | 183.54 | 183.50 | 183.49 |
| 4 | 183.40 | 183.37 | 183.26 | 183.21 | 183.29 | 183.36 | 183.42 | 183.48 | 183.49 | 183.54 | 183.53 | 183.51 |
| 5 | 183.38 | 183.32 | 183.26 | 183.20 | 183.29 | 183.36 | 183.44 | 183.47 | 183.47 | 183.52 | 183.56 | 183.50 |
| 6 | 183.40 | 183.34 | 183.26 | 183.19 | 183.27 | 183.36 | 183.45 | 183.46 | 183.50 | 183.52 | 183.54 | 183.48 |
| 7 | 183.41 | 183.37 | 183.27 | 183.20 | 183.27 | 183.37 | 183.44 | 183.47 | 183.50 | 183.55 | 183.51 | 183.48 |
| 8 | 183.38 | 183.37 | 183.27 | 183.20 | 183.29 | 183.36 | 183.44 | 183.48 | 183.50 | 183.55 | 183.50 | 183.47 |
| 9 | 183.41 | 183.32 | 183.33 | 183.20 | 183.30 | 183.36 | 183.44 | 183.46 | 183.51 | 183.56 | 183.49 | 183.42 |
| 10 | 183.39 | 183.30 | 183.34 | 183.20 | 183.28 | 183.36 | 183.46 | 183.49 | 183.52 | 183.55 | 183.50 | 183.46 |
| 11 | 183.38 | 183.33 | 183.30 | 183.21 | 183.29 | 183.36 | 183.44 | 183.50 | 183.52 | 183.56 | 183.50 | 183.48 |
| 12 | 183.38 | 183.29 | 183.30 | 183.22 | 183.32 | 183.36 | 183.45 | 183.49 | 183.50 | 183.57 | 183.52 | 183.45 |
| 13 | 183.44 | 183.29 | 183.28 | 183.19 | 183.33 | 183.36 | 183.45 | 183.48 | 183.49 | 183.56 | 183.53 | 183.45 |
| 14 | 183.42 | 183.30 | 183.28 | 183.20 | 183.31 | 183.36 | 183.44 | 183.47 | 183.51 | 183.56 | 183.52 | 183.44 |
| 15 | 183.41 | 183.30 | 183.26 | 183.19 | 183.32 | 183.36 | 183.45 | 183.46 | 183.51 | 183.58 | 183.50 | 183.46 |
| 16 | 183.37 | 183.29 | 183.24 | 183.20 | 183.31 | 183.35 | 183.45 | 183.46 | 183.51 | 183.61 | 183.50 | 183.49 |
| 17 | 183.41 | 183.28 | 183.27 | 183.19 | 183.34 | 183.33 | 183.46 | 183.46 | 183.53 | 183.56 | 183.51 | 183.49 |
| 18 | 183.41 | 183.29 | 183.24 | 183.18 | 183.34 | 183.38 | 183.46 | 183.48 | 183.54 | 183.56 | 183.49 | 183.47 |
| 19 | 183.37 | 183.30 | 183.24 | 183.19 | 183.33 | 183.40 | 183.46 | 183.48 | 183.55 | 183.54 | 183.48 | 183.46 |
| 20 | 183.38 | 183.30 | 183.25 | 183.22 | 183.34 | 183.39 | 183.47 | 183.46 | 183.52 | 183.53 | 183.48 | 183.47 |
| 21 | 183.38 | 183.29 | 183.24 | 183.25 | 183.35 | 183.37 | 183.47 | 183.46 | 183.54 | 183.53 | 183.53 | 183.46 |
| 22 | 183.33 | 183.28 | 183.22 | 183.26 | 183.36 | 183.37 | 183.46 | 183.47 | 183.58 | 183.51 | 183.55 | 183.47 |
| 23 | 183.40 | 183.28 | 183.22 | 183.26 | 183.39 | 183.36 | 183.46 | 183.44 | 183.54 | 183.53 | 183.53 | 183.51 |
| 24 | 183.40 | 183.28 | 183.20 | 183.26 | 183.38 | 183.36 | 183.46 | 183.46 | 183.50 | 183.54 | 183.52 | 183.46 |
| 25 | 183.36 | 183.28 | 183.22 | 183.27 | 183.37 | 183.37 | 183.46 | 183.49 | 183.50 | 183.51 | 183.52 | 183.47 |
| 26 | 183.35 | 183.28 | 183.26 | 183.29 | 183.36 | 183.37 | 183.47 | 183.51 | 183.52 | 183.54 | 183.54 | 183.49 |
| 27 | 183.36 | 183.29 | 183.25 | 183.27 | 183.36 | 183.36 | 183.47 | 183.48 | 183.55 | 183.53 | 183.51 | 183.45 |
| 28 | 183.32 | 183.31 | 183.22 | 183.25 | 183.37 | 183.35 | 183.47 | 183.48 | 183.58 | 183.54 | 183.49 | 183.48 |
| 29 | 183.33 | 183.28 | 183.21 | 183.27 | 183.36 | 183.37 | 183.47 | 183.47 | 183.56 | 183.53 | 183.50 | 183.48 |
| 30 | 183.35 | | 183.22 | 183.26 | 183.36 | 183.37 | 183.47 | 183.47 | 183.54 | 183.51 | 183.50 | 183.46 |
| 31 | 183.38 | | 183.24 | | 183.36 | | 183.47 | 183.49 | | 183.51 | | 183.51 |
| Mean | 183.38 | 183.31 | 183.26 | 183.22 | 183.32 | 183.36 | 183.45 | 183.47 | 183.52 | 183.54 | 183.51 | 183.47 |
| Max. | 183.52 | 183.43 | 183.42 | 183.32 | 183.45 | 183.46 | 183.55 | 183.58 | 183.69 | 183.66 | 183.62 | 183.60 |
| Hr. | 2300 | 1400 | 0700 | 1400 | 2300 | 0600 | 1400 | 2400 | 1200 | 0900 | 2000 | 2100 |
| Day | 13 | 4 | 10 | 21 | 22 | 18 | 3 | 29 | 28 | 16 | 22 | 23 |
| Min. | 183.28 | 183.22 | 183.18 | 183.08 | 183.17 | 183.23 | 183.29 | 183.38 | 183.42 | 183.44 | 183.33 | 183.31 |
| Hr. | 2000 | 1700 | 0800 | 1800 | 2000 | 1700 | 1700 | 0400 | 1400 | 0900 | 1600 | 0300 |
| Day | 28 | 29 | 24 | 18 | 1 | 17 | 1 | 30 | 5 | 25 | 2 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 183.40

Annual Summary of Levels, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 909-9044 Ontonagon, Michigan on Lake Superior

HIGHEST

Monthly mean elevation: 183.55 Oct
Daily mean elevation: 183.59 2 Nov
Instant/hourly elevation: 183.62 1500/2 Nov

LOWEST

Monthly mean elevation: 183.24 Apr
Daily mean elevation: 183.19 12 Apr
Instant/hourly elevation: 183.14 1800/12 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 183.42 | 183.35 | 183.38 | 183.32 | 183.37 | 183.39 | 183.50 | 183.50 | 183.56 | 183.57 | 183.59 | 183.51 |
| Day | 11 | 6 | 6 | 21 | 21 | 23 | 3 | 9 | 30 | 22 | 2 | 21 |
| Min | 183.33 | 183.28 | 183.21 | 183.19 | 183.27 | 183.35 | 183.41 | 183.45 | 183.49 | 183.52 | 183.50 | 183.45 |
| Day | 28 | 29 | 27 | 12 | 3 | 20 | 1 | 28 | 8 | 30 | 19 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 183.55 | | | | | | | | | 5 | 6 | 3 | | 183.55 | 14 |
| 183.50 | | | | | | | | | 22 | 25 | 24 | 2 | 183.50 | 87 |
| 183.45 | | | | | | | 24 | 29 | 3 | | 3 | 28 | 183.45 | 174 |
| 183.40 | 7 | | | | | | 7 | 2 | | | | 1 | 183.40 | 191 |
| 183.35 | 19 | | 1 | | 12 | 27 | | | | | | | 183.35 | 250 |
| 183.30 | 5 | 14 | 3 | 1 | 12 | 3 | | | | | | | 183.30 | 288 |
| 183.25 | | 15 | 7 | 10 | 7 | | | | | | | | 183.25 | 327 |
| 183.20 | | | 20 | 14 | | | | | | | | | 183.20 | 361 |
| 183.15 | | | | 5 | | | | | | | | | 183.15 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 909-9044 Ontonagon, Michigan on Lake Superior

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 183.41 | 183.34 | 183.28 | 183.21 | 183.30 | 183.36 | 183.41 | 183.48 | 183.50 | 183.54 | 183.54 | 183.50 |
| 2 | 183.41 | 183.34 | 183.28 | 183.21 | 183.27 | 183.35 | 183.46 | 183.47 | 183.52 | 183.54 | 183.59 | 183.51 |
| 3 | 183.41 | 183.35 | 183.28 | 183.22 | 183.27 | 183.37 | 183.50 | 183.47 | 183.50 | 183.53 | 183.55 | 183.50 |
| 4 | 183.39 | 183.32 | 183.28 | 183.21 | 183.29 | 183.39 | 183.45 | 183.47 | 183.51 | 183.54 | 183.54 | 183.50 |
| 5 | 183.41 | 183.34 | 183.29 | 183.22 | 183.28 | 183.36 | 183.44 | 183.46 | 183.54 | 183.54 | 183.54 | 183.48 |
| 6 | 183.40 | 183.35 | 183.38 | 183.22 | 183.29 | 183.36 | 183.45 | 183.47 | 183.51 | 183.54 | 183.53 | 183.47 |
| 7 | 183.41 | 183.34 | 183.35 | 183.20 | 183.29 | 183.36 | 183.47 | 183.49 | 183.52 | 183.55 | 183.53 | 183.48 |
| 8 | 183.42 | 183.32 | 183.34 | 183.21 | 183.31 | 183.36 | 183.46 | 183.49 | 183.49 | 183.56 | 183.52 | 183.50 |
| 9 | 183.40 | 183.33 | 183.31 | 183.21 | 183.32 | 183.37 | 183.45 | 183.50 | 183.53 | 183.57 | 183.54 | 183.50 |
| 10 | 183.40 | 183.31 | 183.28 | 183.24 | 183.32 | 183.38 | 183.45 | 183.48 | 183.51 | 183.55 | 183.52 | 183.49 |
| 11 | 183.42 | 183.30 | 183.28 | 183.21 | 183.33 | 183.37 | 183.46 | 183.48 | 183.52 | 183.55 | 183.50 | 183.48 |
| 12 | 183.40 | 183.30 | 183.25 | 183.19 | 183.33 | 183.36 | 183.45 | 183.47 | 183.52 | 183.54 | 183.52 | 183.48 |
| 13 | 183.39 | 183.30 | 183.25 | 183.20 | 183.33 | 183.35 | 183.46 | 183.47 | 183.54 | 183.55 | 183.51 | 183.49 |
| 14 | 183.39 | 183.31 | 183.24 | 183.21 | 183.35 | 183.37 | 183.46 | 183.46 | 183.52 | 183.56 | 183.52 | 183.48 |
| 15 | 183.38 | 183.31 | 183.24 | 183.22 | 183.34 | 183.36 | 183.46 | 183.47 | 183.53 | 183.56 | 183.51 | 183.50 |
| 16 | 183.39 | 183.29 | 183.24 | 183.20 | 183.36 | 183.38 | 183.46 | 183.47 | 183.53 | 183.54 | 183.52 | 183.48 |
| 17 | 183.39 | 183.30 | 183.24 | 183.20 | 183.34 | 183.38 | 183.46 | 183.48 | 183.54 | 183.55 | 183.51 | 183.50 |
| 18 | 183.38 | 183.31 | 183.24 | 183.23 | 183.36 | 183.36 | 183.46 | 183.47 | 183.52 | 183.55 | 183.50 | 183.50 |
| 19 | 183.39 | 183.29 | 183.23 | 183.26 | 183.37 | 183.36 | 183.47 | 183.47 | 183.54 | 183.55 | 183.50 | 183.48 |
| 20 | 183.37 | 183.31 | 183.24 | 183.29 | 183.37 | 183.35 | 183.46 | 183.48 | 183.56 | 183.55 | 183.54 | 183.47 |
| 21 | 183.38 | 183.29 | 183.23 | 183.32 | 183.37 | 183.36 | 183.48 | 183.48 | 183.55 | 183.55 | 183.56 | 183.51 |
| 22 | 183.39 | 183.28 | 183.23 | 183.27 | 183.35 | 183.38 | 183.48 | 183.48 | 183.52 | 183.57 | 183.57 | 183.50 |
| 23 | 183.38 | 183.29 | 183.23 | 183.26 | 183.35 | 183.39 | 183.47 | 183.48 | 183.55 | 183.55 | 183.55 | 183.48 |
| 24 | 183.35 | 183.30 | 183.25 | 183.26 | 183.35 | 183.38 | 183.48 | 183.49 | 183.56 | 183.54 | 183.54 | 183.48 |
| 25 | 183.36 | 183.28 | 183.23 | 183.26 | 183.36 | 183.38 | 183.47 | 183.48 | 183.56 | 183.56 | 183.53 | 183.45 |
| 26 | 183.37 | 183.28 | 183.23 | 183.25 | 183.36 | 183.36 | 183.47 | 183.45 | 183.56 | 183.53 | 183.51 | 183.48 |
| 27 | 183.36 | 183.28 | 183.21 | 183.26 | 183.36 | 183.37 | 183.46 | 183.46 | 183.54 | 183.54 | 183.51 | 183.48 |
| 28 | 183.33 | 183.29 | 183.23 | 183.28 | 183.36 | 183.37 | 183.48 | 183.45 | 183.53 | 183.54 | 183.51 | 183.47 |
| 29 | 183.34 | 183.28 | 183.22 | 183.28 | 183.36 | 183.36 | 183.47 | 183.48 | 183.55 | 183.52 | 183.51 | 183.48 |
| 30 | 183.34 | | 183.22 | 183.30 | 183.36 | 183.37 | 183.48 | 183.47 | 183.56 | 183.52 | 183.51 | 183.47 |
| 31 | 183.34 | | 183.23 | | 183.36 | | 183.48 | 183.49 | | 183.53 | | 183.46 |
| Mean | 183.38 | 183.31 | 183.26 | 183.24 | 183.33 | 183.37 | 183.46 | 183.48 | 183.53 | 183.55 | 183.53 | 183.48 |
| Max. | 183.44 | 183.36 | 183.40 | 183.37 | 183.42 | 183.49 | 183.55 | 183.58 | 183.60 | 183.60 | 183.62 | 183.55 |
| Hr. | 1000 | 1100 | 1900 | 1800 | 1800 | 1100 | 0200 | 1700 | 1600 | 0100 | 1500 | 0400 |
| Day | 8 | 6 | 6 | 21 | 22 | 17 | 3 | 29 | 30 | 9 | 2 | 2 |
| Min. | 183.32 | 183.26 | 183.19 | 183.14 | 183.22 | 183.27 | 183.31 | 183.42 | 183.44 | 183.50 | 183.46 | 183.40 |
| Hr. | 2300 | 2400 | 2200 | 1800 | 0900 | 0500 | 0400 | 1100 | 0900 | 2300 | 1700 | 1000 |
| Day | 31 | 29 | 17 | 12 | 2 | 18 | 1 | 30 | 8 | 29 | 10 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 183.41

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 909-9064 Duluth, Minnesota on Lake Superior

HIGHEST

Monthly mean elevation: 183.54 Oct
Daily mean elevation: 183.80 2 Nov
Instant/hourly elevation: 183.93 0800/2 Nov

LOWEST

Monthly mean elevation: 183.25 Apr
Daily mean elevation: 183.14 11 Apr
Instant/hourly elevation: 183.00 2400/11 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 183.47 | 183.35 | 183.36 | 183.38 | 183.40 | 183.45 | 183.55 | 183.52 | 183.59 | 183.62 | 183.80 | 183.58 |
| Day | 7 | 20 | 6 | 30 | 21 | 17 | 2 | 7 | 25 | 8 | 2 | 29 |
| Min | 183.24 | 183.23 | 183.20 | 183.14 | 183.22 | 183.36 | 183.39 | 183.43 | 183.45 | 183.44 | 183.41 | 183.26 |
| Day | 17 | 29 | 30 | 11 | 2 | 12 | 4 | 30 | 3 | 12 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 183.75 | | | | | | | | | | | 1 | | 183.75 | 1 |
| 183.70 | | | | | | | | | | | | | 183.70 | 1 |
| 183.65 | | | | | | | | | | | 1 | | 183.65 | 2 |
| 183.60 | | | | | | | | | | 1 | | | 183.60 | 3 |
| 183.55 | | | | | | | | | 6 | 8 | 4 | 1 | 183.55 | 22 |
| 183.50 | | | | | | | 1 | 3 | 15 | 17 | 10 | 6 | 183.50 | 74 |
| 183.45 | 1 | | | | | | 23 | 21 | 8 | 4 | 11 | 12 | 183.45 | 154 |
| 183.40 | 6 | | | | | 6 | 6 | 7 | 1 | 1 | 3 | 8 | 183.40 | 192 |
| 183.35 | 12 | | 2 | 2 | 17 | 24 | 1 | | | | | 3 | 183.35 | 253 |
| 183.30 | 8 | 13 | 3 | 1 | 7 | | | | | | | | 183.30 | 285 |
| 183.25 | 3 | 13 | 10 | 13 | 6 | | | | | | | 1 | 183.25 | 331 |
| 183.20 | 1 | 3 | 14 | 8 | 1 | | | | | | | | 183.20 | 358 |
| 183.15 | | | 2 | 5 | | | | | | | | | 183.15 | 365 |
| 183.10 | | | | 1 | | | | | | | | | 183.10 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

International
Great Lakes
Datum (1985)

Station: 909-9064 Duluth, Minnesota on Lake Superior

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 183.42 | 183.34 | 183.34 | 183.20 | 183.32 | 183.39 | 183.50 | 183.45 | 183.49 | 183.54 | 183.69 | 183.47 |
| 2 | 183.43 | 183.34 | 183.29 | 183.19 | 183.22 | 183.37 | 183.55 | 183.45 | 183.52 | 183.54 | 183.80 | 183.45 |
| 3 | 183.42 | 183.35 | 183.30 | 183.22 | 183.26 | 183.39 | 183.42 | 183.45 | 183.45 | 183.54 | 183.56 | 183.49 |
| 4 | 183.39 | 183.30 | 183.29 | 183.21 | 183.30 | 183.40 | 183.39 | 183.46 | 183.53 | 183.58 | 183.48 | 183.42 |
| 5 | 183.42 | 183.35 | 183.36 | 183.27 | 183.30 | 183.38 | 183.42 | 183.46 | 183.53 | 183.57 | 183.51 | 183.40 |
| 6 | 183.38 | 183.29 | 183.36 | 183.22 | 183.29 | 183.37 | 183.46 | 183.48 | 183.49 | 183.53 | 183.52 | 183.41 |
| 7 | 183.47 | 183.30 | 183.33 | 183.18 | 183.29 | 183.36 | 183.49 | 183.52 | 183.53 | 183.58 | 183.53 | 183.45 |
| 8 | 183.44 | 183.29 | 183.27 | 183.21 | 183.32 | 183.37 | 183.45 | 183.49 | 183.46 | 183.62 | 183.54 | 183.51 |
| 9 | 183.36 | 183.31 | 183.26 | 183.19 | 183.34 | 183.38 | 183.45 | 183.51 | 183.52 | 183.57 | 183.57 | 183.51 |
| 10 | 183.38 | 183.26 | 183.26 | 183.31 | 183.35 | 183.38 | 183.46 | 183.45 | 183.46 | 183.53 | 183.45 | 183.46 |
| 11 | 183.43 | 183.27 | 183.31 | 183.14 | 183.34 | 183.37 | 183.48 | 183.50 | 183.53 | 183.54 | 183.48 | 183.46 |
| 12 | 183.38 | 183.28 | 183.25 | 183.17 | 183.30 | 183.36 | 183.47 | 183.49 | 183.53 | 183.44 | 183.43 | 183.51 |
| 13 | 183.37 | 183.28 | 183.26 | 183.22 | 183.33 | 183.37 | 183.47 | 183.49 | 183.54 | 183.51 | 183.41 | 183.52 |
| 14 | 183.36 | 183.31 | 183.25 | 183.24 | 183.37 | 183.43 | 183.47 | 183.49 | 183.51 | 183.54 | 183.48 | 183.48 |
| 15 | 183.31 | 183.32 | 183.24 | 183.26 | 183.37 | 183.43 | 183.48 | 183.49 | 183.55 | 183.57 | 183.48 | 183.50 |
| 16 | 183.35 | 183.28 | 183.22 | 183.21 | 183.40 | 183.45 | 183.48 | 183.48 | 183.53 | 183.46 | 183.55 | 183.43 |
| 17 | 183.24 | 183.34 | 183.22 | 183.22 | 183.34 | 183.45 | 183.47 | 183.47 | 183.55 | 183.50 | 183.53 | 183.46 |
| 18 | 183.28 | 183.34 | 183.24 | 183.28 | 183.39 | 183.37 | 183.48 | 183.45 | 183.46 | 183.50 | 183.50 | 183.50 |
| 19 | 183.38 | 183.30 | 183.22 | 183.29 | 183.39 | 183.39 | 183.47 | 183.47 | 183.55 | 183.55 | 183.54 | 183.40 |
| 20 | 183.31 | 183.35 | 183.24 | 183.30 | 183.39 | 183.38 | 183.47 | 183.47 | 183.56 | 183.54 | 183.57 | 183.43 |
| 21 | 183.40 | 183.31 | 183.24 | 183.36 | 183.40 | 183.39 | 183.49 | 183.47 | 183.50 | 183.56 | 183.48 | 183.48 |
| 22 | 183.40 | 183.30 | 183.22 | 183.26 | 183.36 | 183.41 | 183.49 | 183.51 | 183.48 | 183.57 | 183.56 | 183.46 |
| 23 | 183.30 | 183.34 | 183.26 | 183.27 | 183.36 | 183.42 | 183.48 | 183.50 | 183.56 | 183.52 | 183.55 | 183.36 |
| 24 | 183.33 | 183.34 | 183.27 | 183.26 | 183.38 | 183.40 | 183.49 | 183.47 | 183.56 | 183.54 | 183.54 | 183.45 |
| 25 | 183.33 | 183.24 | 183.20 | 183.26 | 183.38 | 183.38 | 183.48 | 183.47 | 183.59 | 183.55 | 183.52 | 183.26 |
| 26 | 183.39 | 183.24 | 183.22 | 183.26 | 183.38 | 183.37 | 183.44 | 183.47 | 183.55 | 183.50 | 183.47 | 183.47 |
| 27 | 183.36 | 183.28 | 183.23 | 183.28 | 183.39 | 183.39 | 183.48 | 183.48 | 183.51 | 183.55 | 183.50 | 183.48 |
| 28 | 183.27 | 183.28 | 183.26 | 183.30 | 183.38 | 183.38 | 183.45 | 183.47 | 183.46 | 183.54 | 183.49 | 183.51 |
| 29 | 183.31 | 183.23 | 183.22 | 183.28 | 183.38 | 183.37 | 183.46 | 183.49 | 183.56 | 183.53 | 183.47 | 183.58 |
| 30 | 183.31 | | 183.20 | 183.38 | 183.38 | 183.38 | 183.48 | 183.43 | 183.57 | 183.52 | 183.47 | 183.54 |
| 31 | 183.35 | | 183.22 | | 183.38 | | 183.48 | 183.45 | | 183.58 | | 183.42 |
| Mean | 183.36 | 183.30 | 183.26 | 183.25 | 183.35 | 183.39 | 183.47 | 183.48 | 183.52 | 183.54 | 183.52 | 183.46 |
| Max.
Hr.
Day | 183.53
1800
7 | 183.46
0200
3 | 183.44
1600
5 | 183.48
1600
30 | 183.51
1400
16 | 183.53
0800
17 | 183.67
1800
2 | 183.59
1400
29 | 183.69
1600
17 | 183.70
1600
8 | 183.93
0800
2 | 183.70
1000
29 |
| Min.
Hr.
Day | 183.15
2000
17 | 183.09
2100
29 | 183.13
1000
25 | 183.00
2400
11 | 183.11
0800
3 | 183.27
1100
18 | 183.28
1300
4 | 183.32
1200
30 | 183.32
0300
8 | 183.39
2200
25 | 183.29
2100
12 | 183.10
0800
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 183.41

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Meters, 1992

Station: 909-9090 Grand Marais, Minnesota on Lake Superior

HIGHEST

Monthly mean elevation: 183.55 Oct
Daily mean elevation: 183.63 2 Nov
Instant/hourly elevation: 183.76 1000/2 Nov

LOWEST

Monthly mean elevation: 183.24 Apr
Daily mean elevation: 183.18 11 Apr
Instant/hourly elevation: 183.06 2200/11 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 183.43 | 183.36 | 183.31 | 183.30 | 183.39 | 183.40 | 183.48 | 183.49 | 183.57 | 183.59 | 183.63 | 183.51 |
| Day | 8 | 5 | 6 | 30 | 28 | 23 | 31 | 23 | 20 | 9 | 2 | 9 |
| Min | 183.30 | 183.27 | 183.22 | 183.18 | 183.26 | 183.37 | 183.41 | 183.45 | 183.48 | 183.50 | 183.46 | 183.36 |
| Day | 17 | 29 | 31 | 11 | 2 | 26 | 1 | 26 | 10 | 16 | 13 | 25 |

| ~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~ | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
| 183.60 | | | | | | | | | | | 1 | | 183.60 | 1 |
| 183.55 | | | | | | | | | 5 | 11 | 2 | | 183.55 | 19 |
| 183.50 | | | | | | | | | 18 | 19 | 18 | 4 | 183.50 | 78 |
| 183.45 | | | | | | | 25 | 29 | 7 | 1 | 9 | 23 | 183.45 | 172 |
| 183.40 | 7 | | | | | | 6 | 2 | | | | 3 | 183.40 | 190 |
| 183.35 | 14 | 2 | | | 17 | 30 | | | | | | 1 | 183.35 | 254 |
| 183.30 | 9 | 10 | 1 | | 8 | | | | | | | | 183.30 | 282 |
| 183.25 | 1 | 17 | 11 | 10 | 6 | | | | | | | | 183.25 | 327 |
| 183.20 | | | 19 | 12 | | | | | | | | | 183.20 | 358 |
| 183.15 | | | | 8 | | | | | | | | | 183.15 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Meters, 1992

Station: 909-9090 Grand Marais, Minnesota on Lake Superior

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 183.43 | 183.36 | 183.30 | 183.20 | 183.29 | 183.38 | 183.41 | 183.47 | 183.49 | 183.55 | 183.60 | 183.51 |
| 2 | 183.43 | 183.34 | 183.29 | 183.21 | 183.26 | 183.38 | 183.45 | 183.46 | 183.52 | 183.54 | 183.63 | 183.48 |
| 3 | 183.42 | 183.34 | 183.28 | 183.22 | 183.28 | 183.38 | 183.44 | 183.45 | 183.48 | 183.54 | 183.56 | 183.51 |
| 4 | 183.40 | 183.32 | 183.29 | 183.20 | 183.29 | 183.39 | 183.43 | 183.46 | 183.54 | 183.56 | 183.51 | 183.46 |
| 5 | 183.42 | 183.36 | 183.30 | 183.23 | 183.29 | 183.38 | 183.44 | 183.46 | 183.53 | 183.56 | 183.52 | 183.47 |
| 6 | 183.39 | 183.32 | 183.31 | 183.25 | 183.30 | 183.38 | 183.45 | 183.47 | 183.49 | 183.55 | 183.52 | 183.46 |
| 7 | 183.43 | 183.31 | 183.29 | 183.20 | 183.31 | 183.37 | 183.47 | 183.49 | 183.53 | 183.56 | 183.54 | 183.47 |
| 8 | 183.43 | 183.30 | 183.28 | 183.22 | 183.32 | 183.37 | 183.46 | 183.49 | 183.49 | 183.58 | 183.54 | 183.51 |
| 9 | 183.38 | 183.32 | 183.25 | 183.20 | 183.32 | 183.38 | 183.46 | 183.49 | 183.51 | 183.59 | 183.55 | 183.51 |
| 10 | 183.40 | 183.28 | 183.26 | 183.23 | 183.33 | 183.39 | 183.46 | 183.47 | 183.48 | 183.57 | 183.50 | 183.48 |
| 11 | 183.42 | 183.28 | 183.28 | 183.18 | 183.32 | 183.37 | 183.47 | 183.48 | 183.52 | 183.56 | 183.51 | 183.47 |
| 12 | 183.40 | 183.29 | 183.25 | 183.19 | 183.32 | 183.37 | 183.46 | 183.47 | 183.52 | 183.51 | 183.49 | 183.49 |
| 13 | 183.38 | 183.29 | 183.26 | 183.21 | 183.33 | 183.37 | 183.47 | 183.47 | 183.54 | 183.54 | 183.46 | 183.50 |
| 14 | 183.36 | 183.30 | 183.24 | 183.21 | 183.36 | 183.37 | 183.46 | 183.47 | 183.52 | 183.56 | 183.50 | 183.49 |
| 15 | 183.35 | 183.31 | 183.25 | 183.22 | 183.36 | 183.38 | 183.48 | 183.48 | 183.52 | 183.55 | 183.50 | 183.50 |
| 16 | 183.38 | 183.29 | 183.24 | 183.20 | 183.39 | 183.40 | 183.48 | 183.47 | 183.55 | 183.50 | 183.52 | 183.46 |
| 17 | 183.30 | 183.30 | 183.23 | 183.20 | 183.34 | 183.40 | 183.46 | 183.47 | 183.53 | 183.54 | 183.51 | 183.48 |
| 18 | 183.32 | 183.30 | 183.24 | 183.23 | 183.38 | 183.38 | 183.46 | 183.46 | 183.51 | 183.53 | 183.51 | 183.50 |
| 19 | 183.38 | 183.29 | 183.23 | 183.25 | 183.38 | 183.37 | 183.48 | 183.47 | 183.55 | 183.56 | 183.51 | 183.45 |
| 20 | 183.36 | 183.32 | 183.23 | 183.26 | 183.38 | 183.37 | 183.46 | 183.48 | 183.57 | 183.55 | 183.54 | 183.46 |
| 21 | 183.38 | 183.30 | 183.24 | 183.28 | 183.38 | 183.37 | 183.48 | 183.46 | 183.54 | 183.56 | 183.50 | 183.50 |
| 22 | 183.40 | 183.29 | 183.23 | 183.25 | 183.37 | 183.40 | 183.48 | 183.49 | 183.50 | 183.57 | 183.54 | 183.47 |
| 23 | 183.32 | 183.31 | 183.24 | 183.26 | 183.36 | 183.40 | 183.48 | 183.49 | 183.55 | 183.54 | 183.52 | 183.42 |
| 24 | 183.34 | 183.31 | 183.26 | 183.26 | 183.37 | 183.38 | 183.48 | 183.48 | 183.56 | 183.54 | 183.53 | 183.47 |
| 25 | 183.33 | 183.28 | 183.23 | 183.26 | 183.38 | 183.38 | 183.48 | 183.46 | 183.56 | 183.55 | 183.52 | 183.36 |
| 26 | 183.37 | 183.27 | 183.22 | 183.27 | 183.37 | 183.37 | 183.46 | 183.45 | 183.56 | 183.53 | 183.50 | 183.48 |
| 27 | 183.36 | 183.29 | 183.22 | 183.28 | 183.38 | 183.39 | 183.47 | 183.47 | 183.53 | 183.55 | 183.51 | 183.48 |
| 28 | 183.33 | 183.27 | 183.24 | 183.29 | 183.39 | 183.39 | 183.47 | 183.46 | 183.50 | 183.53 | 183.52 | 183.47 |
| 29 | 183.33 | 183.27 | 183.23 | 183.28 | 183.38 | 183.38 | 183.46 | 183.46 | 183.55 | 183.53 | 183.50 | 183.49 |
| 30 | 183.33 | | 183.22 | 183.30 | 183.38 | 183.38 | 183.47 | 183.46 | 183.56 | 183.53 | 183.50 | 183.47 |
| 31 | 183.35 | | 183.22 | | 183.37 | | 183.48 | 183.47 | | 183.55 | | 183.43 |
| Mean | 183.38 | 183.30 | 183.25 | 183.24 | 183.34 | 183.38 | 183.46 | 183.47 | 183.53 | 183.55 | 183.52 | 183.47 |
| Max. | 183.48 | 183.44 | 183.35 | 183.36 | 183.45 | 183.48 | 183.54 | 183.60 | 183.67 | 183.64 | 183.76 | 183.63 |
| Hr. | 0400 | 0200 | 1600 | 1400 | 1100 | 0700 | 1900 | 1600 | 2100 | 0100 | 1000 | 0900 |
| Day | 5 | 1 | 6 | 30 | 16 | 17 | 15 | 9 | 5 | 20 | 2 | 29 |
| Min. | 183.23 | 183.17 | 183.16 | 183.06 | 183.18 | 183.28 | 183.35 | 183.34 | 183.35 | 183.45 | 183.38 | 183.27 |
| Hr. | 2000 | 1200 | 2100 | 2200 | 0700 | 0900 | 0600 | 2100 | 0300 | 1400 | 2100 | 0900 |
| Day | 17 | 29 | 17 | 11 | 2 | 17 | 1 | 29 | 18 | 16 | 12 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 183.41

Monthly Water Level Stages, in Meters, 1900 thru Dec 1992

L a k e O n t a r i o a t O s w e g o

International Great
Lakes Datum (1985)

Chart Datum
74.2

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1946 | 1952 | 1952 | 1973 | 1952 | 1952 | 1947 | 1947 | 1947 | 1945 | 1945 | 1945 |
| High | 75.17 | 75.28 | 75.37 | 75.65 | 75.73 | 75.77 | 75.67 | 75.58 | 75.42 | 75.24 | 75.19 | 75.20 |
| Mean | 74.55 | 74.58 | 74.66 | 74.87 | 74.99 | 75.03 | 74.99 | 74.89 | 74.76 | 74.64 | 74.56 | 74.54 |
| | 1935 | 1936 | 1935 | 1935 | 1935 | 1935 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 |
| Low | 73.82 | 73.80 | 73.94 | 74.04 | 74.12 | 74.20 | 74.15 | 74.00 | 73.90 | 73.83 | 73.75 | 73.76 |

M o n t h l y C h a n g e s

| | Dec-Jan | Jan-Feb | Feb-Mar | Mar-Apr | Apr-May | May-Jun | Jun-Jul | Jul-Aug | Aug-Sep | Sep-Oct | Oct-Nov | Nov-Dec |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1991 | 1932 | 1976 | 1936 | 1929 | 1947 | 1917 | 1915 | 1915 | 1945 | 1926 | 1927 |
| Max
Rise | +0.29 | +0.21 | +0.35 | +0.47 | +0.30 | +0.34 | +0.15 | +0.09 | +0.01 | +0.11 | +0.09 | +0.24 |
| Mean | +0.02 | +0.03 | +0.08 | +0.21 | +0.12 | +0.04 | -0.03 | -0.11 | -0.13 | -0.12 | -0.08 | -0.02 |
| | 1918 | 1963 | 1978 | 1915 | 1987 | 1987 | 1978 | 1973 | 1974 | 1974 | 1964 | 1904 |
| Max
Fall | -0.18 | -0.16 | -0.14 | -0.07 | -0.07 | -0.11 | -0.18 | -0.26 | -0.28 | -0.28 | -0.20 | -0.17 |

1900 thru 1992 mean 74.75

Monthly Water Level Stages, in Meters, 1900 thru Dec 1992

L a k e E r i e a t F a i r p o r t

Chart Datum
173.5

International Great
Lakes Datum (1985)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1987 | 1987 | 1986 | 1985 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 |
| High | 174.87 | 174.78 | 174.88 | 174.98 | 174.97 | 175.05 | 175.04 | 174.95 | 174.83 | 174.94 | 174.85 | 174.89 |
| Mean | 173.93 | 173.92 | 174.00 | 174.16 | 174.25 | 174.29 | 174.27 | 174.22 | 174.13 | 174.03 | 173.95 | 173.94 |
| | 1935 | 1936 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 |
| Low | 173.19 | 173.15 | 173.20 | 173.37 | 173.44 | 173.45 | 173.45 | 173.42 | 173.38 | 173.29 | 173.19 | 173.16 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1950 | 1952 | 1976 | 1913 | 1947 | 1989 | 1902 | 1915 | 1926 | 1986 | 1985 | 1927 |
| Max
Rise | +0.24 | +0.20 | +0.34 | +0.48 | +0.29 | +0.20 | +0.19 | +0.08 | +0.04 | +0.11 | +0.17 | +0.16 |
| Mean | +0.00 | +0.00 | +0.08 | +0.16 | +0.09 | +0.04 | -0.01 | -0.06 | -0.09 | -0.10 | -0.08 | -0.02 |
| | 1918 | 1956 | 1931 | 1918 | 1985 | 1977 | 1919 | 1930 | 1937 | 1966 | 1980 | 1917 |
| Max
Fall | -0.20 | -0.17 | -0.10 | +0.01 | -0.06 | -0.07 | -0.10 | -0.14 | -0.17 | -0.20 | -0.20 | -0.13 |

1900 thru 1992 mean 174.09

Monthly Water Level Stages, in Meters, 1900 thru Dec 1992

L a k e S t . C l a i r a t S t . C l a i r S h o r e s

International Great
Lakes Datum (1985)

Chart Datum
174.4

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 |
| High | 175.80 | 175.81 | 175.81 | 175.82 | 175.83 | 175.91 | 175.93 | 175.89 | 175.85 | 175.97 | 175.82 | 175.80 |
| Mean | 174.80 | 174.73 | 174.85 | 175.01 | 175.09 | 175.15 | 175.17 | 175.13 | 175.07 | 174.98 | 174.89 | 174.90 |
| | 1936 | 1926 | 1934 | 1901 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1925 |
| Low | 173.88 | 173.89 | 174.05 | 174.26 | 174.42 | 174.45 | 174.50 | 174.41 | 174.34 | 174.27 | 174.18 | 174.24 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1916 | 1981 | 1956 | 1913 | 1984 | 1901 | 1902 | 1915 | 1912 | 1986 | 1985 | 1914 |
| Max
Rise | +0.17 | +0.30 | +0.54 | +0.47 | +0.43 | +0.25 | +0.19 | +0.07 | +0.02 | +0.12 | +0.13 | +0.19 |
| Mean | -0.10 | -0.07 | +0.12 | +0.16 | +0.09 | +0.05 | +0.02 | -0.03 | -0.07 | -0.09 | -0.09 | +0.00 |
| | 1956 | 1939 | 1932 | 1984 | 1987 | 1977 | 1919 | 1921 | 1913 | 1948 | 1924 | 1919 |
| Max
Fall | -0.57 | -0.51 | -0.25 | -0.47 | -0.04 | -0.05 | -0.06 | -0.10 | -0.15 | -0.17 | -0.20 | -0.15 |

1900 thru 1992 mean 174.98

Monthly Water Level Stages, in Meters, 1900 thru Dec 1992

L a k e H u r o n - M i c h i g a n a t H a r b o r B e a c h

Chart Datum
176.0

International Great
Lakes Datum (1985)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1987 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 |
| High | 177.20 | 177.11 | 177.12 | 177.23 | 177.27 | 177.32 | 177.39 | 177.41 | 177.38 | 177.49 | 177.39 | 177.26 |
| Mean | 176.36 | 176.35 | 176.36 | 176.45 | 176.54 | 176.61 | 176.64 | 176.63 | 176.58 | 176.52 | 176.45 | 176.41 |
| | 1965 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 |
| Low | 175.59 | 175.61 | 175.58 | 175.58 | 175.72 | 175.75 | 175.77 | 175.77 | 175.76 | 175.71 | 175.65 | 175.60 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1960 | 1938 | 1976 | 1929 | 1960 | 1943 | 1917 | 1972 | 1912 | 1986 | 1928 | 1934 |
| Max
Rise | +0.04 | +0.11 | +0.11 | +0.21 | +0.25 | +0.21 | +0.13 | +0.06 | +0.04 | +0.11 | +0.05 | +0.07 |
| Mean | -0.04 | -0.01 | +0.01 | +0.08 | +0.09 | +0.07 | +0.04 | -0.02 | -0.05 | -0.06 | -0.06 | -0.05 |
| | 1944 | 1987 | 1968 | 1915 | 1987 | 1988 | 1988 | 1931 | 1955 | 1948 | 1930 | 1929 |
| Max
Fall | -0.12 | -0.09 | -0.08 | -0.04 | -0.02 | -0.02 | -0.06 | -0.08 | -0.17 | -0.17 | -0.16 | -0.16 |

1900 thru 1992 mean 176.49

Monthly Water Level Stages, in Meters, 1900 thru Dec 1992

L a k e S u p e r i o r a t M a r q u e t t e

International Great
Lakes Datum (1985)

Chart Datum
183.2

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1985 | 1985 | 1985 | 1985 |
| High | 183.72 | 183.64 | 183.62 | 183.68 | 183.75 | 183.76 | 183.81 | 183.85 | 183.85 | 183.91 | 183.91 | 183.83 |
| Mean | 183.34 | 183.28 | 183.24 | 183.25 | 183.35 | 183.44 | 183.50 | 183.54 | 183.54 | 183.52 | 183.49 | 183.42 |
| | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1925 | 1925 | 1925 |
| Low | 182.79 | 182.73 | 182.71 | 182.69 | 182.71 | 182.81 | 182.92 | 182.97 | 183.06 | 183.07 | 182.97 | 182.90 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1939 | 1937 | 1979 | 1945 | 1960 | 1950 | 1952 | 1911 | 1900 | 1941 | 1970 | 1909 |
| Max
Rise | -0.02 | -0.02 | +0.03 | +0.14 | +0.23 | +0.19 | +0.15 | +0.14 | +0.16 | +0.11 | +0.07 | +0.00 |
| Mean | -0.08 | -0.06 | -0.04 | +0.02 | +0.10 | +0.09 | +0.07 | +0.03 | +0.01 | -0.02 | -0.04 | -0.07 |
| | 1908 | 1978 | 1956 | 1975 | 1929 | 1986 | 1910 | 1954 | 1954 | 1952 | 1952 | 1904 |
| Max
Fall | -0.13 | -0.12 | -0.09 | -0.06 | -0.01 | +0.02 | -0.01 | -0.03 | -0.07 | -0.14 | -0.15 | -0.12 |

1900 thru 1992 mean 183.41

W a t e r L e v e l s
i n
F e e t

(I G L D 1 9 8 5)

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 831-1030 Ogdensburg, New York on St. Lawrence River

HIGHEST

Monthly mean elevation: 245.33 May
Daily mean elevation: 245.62 3 May
Instant/hourly elevation: 246.41 0500/13 Nov

LOWEST

Monthly mean elevation: 243.20 Feb
Daily mean elevation: 242.80 1 Jan
Instant/hourly elevation: 242.72 0500/2 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 243.94 | 243.52 | 244.22 | 245.30 | 245.62 | 245.42 | 245.27 | 245.48 | 245.16 | 245.01 | 245.24 | 244.96 |
| Day | 24 | 27 | 31 | 29 | 3 | 13 | 27 | 29 | 1 | 2 | 13 | 25 |
| Min | 242.80 | 242.98 | 243.06 | 243.96 | 245.04 | 244.97 | 244.77 | 244.75 | 244.48 | 244.05 | 243.62 | 243.44 |
| Day | 1 | 6 | 6 | 11 | 24 | 24 | 3 | 28 | 25 | 31 | 2 | 11 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 245.60 | | | | | 1 | | | | | | | | 245.60 | 1 |
| 245.40 | | | | | 5 | 2 | | 2 | | | | | 245.40 | 10 |
| 245.20 | | | | 3 | 19 | 8 | 4 | 8 | | | 1 | | 245.20 | 53 |
| 245.00 | | | | 3 | 6 | 19 | 18 | 12 | 5 | 1 | | | 245.00 | 117 |
| 244.80 | | | | 5 | | 1 | 7 | 7 | 15 | 1 | | 3 | 244.80 | 156 |
| 244.60 | | | | 4 | | | 2 | 2 | 7 | 3 | 1 | 1 | 244.60 | 176 |
| 244.40 | | | | 3 | | | | | 3 | 5 | 3 | 9 | 244.40 | 199 |
| 244.20 | | | 1 | 11 | | | | | | 14 | 9 | 10 | 244.20 | 244 |
| 244.00 | | | 3 | | | | | | | 7 | 12 | 5 | 244.00 | 271 |
| 243.80 | 1 | | 2 | 1 | | | | | | | 2 | 1 | 243.80 | 278 |
| 243.60 | 2 | | 12 | | | | | | | | 2 | 1 | 243.60 | 295 |
| 243.40 | 7 | 1 | 5 | | | | | | | | | 1 | 243.40 | 309 |
| 243.20 | 15 | 11 | 6 | | | | | | | | | | 243.20 | 341 |
| 243.00 | 5 | 16 | 2 | | | | | | | | | | 243.00 | 364 |
| 242.80 | | 1 | | | | | | | | | | | 242.80 | 365 |
| 242.60 | 1 | | | | | | | | | | | | 242.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 831-1030 Ogdensburg, New York on St. Lawrence River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 242.80 | 243.20 | 243.37 | 244.23 | 245.15 | 245.16 | 244.95 | 245.19 | 245.16 | 244.73 | 243.84 | 244.48 |
| 2 | 243.02 | 243.24 | 243.12 | 244.30 | 245.20 | 245.28 | 244.80 | 245.27 | 244.99 | 245.01 | 243.62 | 244.37 |
| 3 | 243.01 | 243.19 | 243.26 | 244.40 | 245.62 | 245.32 | 244.77 | 245.20 | 245.08 | 244.76 | 244.12 | 244.47 |
| 4 | 243.04 | 243.17 | 243.21 | 244.29 | 245.40 | 245.12 | 245.12 | 245.21 | 245.04 | 244.35 | 244.30 | 244.21 |
| 5 | 243.25 | 243.18 | 243.23 | 244.30 | 245.34 | 245.06 | 245.06 | 245.29 | 244.88 | 244.22 | 244.26 | 244.14 |
| 6 | 243.40 | 242.98 | 243.06 | 244.29 | 245.42 | 245.16 | 245.08 | 245.28 | 244.93 | 244.35 | 244.22 | 244.73 |
| 7 | 243.38 | 243.11 | 243.29 | 244.33 | 245.46 | 245.28 | 245.03 | 245.17 | 244.91 | 244.35 | 244.06 | 244.59 |
| 8 | 243.17 | 243.13 | 243.36 | 244.32 | 245.43 | 245.40 | 244.94 | 245.12 | 245.01 | 244.30 | 244.06 | 244.27 |
| 9 | 243.26 | 243.21 | 243.43 | 244.34 | 245.35 | 245.38 | 245.15 | 245.24 | 244.85 | 244.35 | 244.04 | 244.15 |
| 10 | 243.29 | 243.16 | 243.65 | 244.24 | 245.36 | 245.29 | 245.05 | 245.23 | 245.03 | 244.41 | 244.12 | 243.94 |
| 11 | 243.22 | 243.24 | 243.78 | 243.96 | 245.38 | 245.30 | 245.09 | 245.25 | 244.85 | 244.39 | 244.38 | 243.44 |
| 12 | 243.31 | 243.11 | 243.95 | 244.69 | 245.40 | 245.42 | 244.99 | 245.09 | 244.83 | 244.56 | 244.13 | 243.79 |
| 13 | 243.49 | 243.09 | 243.79 | 244.54 | 245.42 | 245.42 | 245.01 | 245.05 | 244.82 | 244.64 | 245.24 | 244.01 |
| 14 | 243.33 | 243.07 | 243.69 | 244.61 | 245.36 | 245.26 | 244.96 | 245.04 | 244.80 | 244.35 | 244.67 | 244.23 |
| 15 | 243.55 | 243.01 | 243.61 | 244.51 | 245.35 | 245.03 | 244.97 | 244.95 | 244.78 | 244.16 | 244.29 | 244.24 |
| 16 | 243.44 | 243.28 | 243.63 | 244.36 | 245.35 | 245.08 | 244.98 | 244.94 | 244.74 | 244.52 | 244.27 | 244.50 |
| 17 | 243.71 | 243.25 | 243.73 | 244.56 | 245.48 | 245.04 | 245.08 | 245.02 | 244.81 | 244.84 | 244.12 | 244.38 |
| 18 | 243.66 | 243.04 | 243.57 | 244.68 | 245.32 | 245.16 | 245.17 | 245.02 | 244.88 | 244.55 | 244.03 | 244.36 |
| 19 | 243.58 | 243.15 | 243.48 | 244.70 | 245.34 | 245.13 | 245.13 | 245.13 | 244.81 | 244.46 | 244.02 | 244.48 |
| 20 | 243.41 | 243.19 | 243.62 | 244.83 | 245.39 | 245.13 | 245.25 | 245.03 | 244.70 | 244.34 | 243.97 | 244.82 |
| 21 | 243.35 | 243.30 | 243.56 | 244.82 | 245.40 | 245.19 | 245.16 | 245.04 | 244.75 | 244.24 | 244.29 | 244.43 |
| 22 | 243.15 | 243.34 | 243.49 | 244.97 | 245.39 | 245.15 | 245.12 | 245.00 | 244.97 | 244.23 | 244.13 | 244.58 |
| 23 | 243.37 | 243.36 | 243.63 | 245.07 | 245.40 | 245.14 | 245.06 | 244.91 | 244.63 | 244.38 | 243.75 | 244.54 |
| 24 | 243.94 | 243.15 | 243.62 | 244.91 | 245.04 | 244.97 | 245.08 | 244.91 | 244.53 | 244.28 | 244.05 | 244.46 |
| 25 | 243.47 | 243.20 | 243.62 | 244.95 | 245.11 | 245.11 | 245.12 | 244.90 | 244.48 | 244.07 | 244.16 | 244.96 |
| 26 | 243.51 | 243.35 | 243.70 | 245.06 | 245.20 | 245.09 | 245.14 | 244.88 | 244.49 | 244.16 | 244.27 | 244.90 |
| 27 | 243.33 | 243.52 | 243.89 | 245.18 | 245.22 | 245.09 | 245.27 | 244.75 | 244.97 | 244.18 | 244.53 | 244.31 |
| 28 | 243.25 | 243.32 | 244.10 | 245.23 | 245.36 | 245.10 | 245.26 | 244.75 | 244.93 | 244.23 | 244.35 | 244.40 |
| 29 | 243.33 | 243.29 | 244.16 | 245.30 | 245.34 | 245.06 | 245.26 | 245.48 | 244.96 | 244.05 | 244.45 | 244.19 |
| 30 | 243.37 | | 244.16 | 245.24 | 245.22 | 245.06 | 245.20 | 245.40 | 244.71 | 244.05 | 244.52 | 244.06 |
| 31 | 243.34 | | 244.22 | | 245.18 | | 244.93 | 245.43 | | 244.05 | | 244.21 |
| Mean | 243.35 | 243.20 | 243.61 | 244.64 | 245.33 | 245.18 | 245.07 | 245.10 | 244.84 | 244.37 | 244.21 | 244.34 |
| Max.
Hr.
Day | 244.50
0900
24 | 243.75
1400
27 | 244.36
0800
31 | 245.38
1100
29 | 245.93
0300
3 | 245.53
1900
8 | 245.42
1700
28 | 245.92
1600
29 | 245.54
1900
27 | 245.54
0300
17 | 246.41
0500
13 | 245.76
2100
25 |
| Min.
Hr.
Day | 242.72
0500
2 | 242.80
2100
6 | 242.85
1800
6 | 243.38
0700
11 | 244.79
0800
24 | 244.85
1400
24 | 244.59
1800
31 | 244.51
0700
28 | 244.36
1700
25 | 243.94
1300
29 | 243.10
0500
23 | 243.24
1900
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 244.44

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 831-1062 Alexandria Bay C.G., New York on St. Lawrence River

HIGHEST

Monthly mean elevation: 245.94 May
Daily mean elevation: 246.08 3 May
Instant/hourly elevation: 246.51 0400/13 Nov

LOWEST

Monthly mean elevation: 243.84 Feb
Daily mean elevation: 243.64 15 Feb
Instant/hourly elevation: 243.48 0200/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 244.31 | 244.10 | 244.66 | 245.75 | 246.08 | 245.97 | 245.81 | 246.00 | 245.80 | 245.55 | 245.62 | 245.58 |
| Day | 24     | 27     | 31     | 29     | 3      | 9      | 28     | 29     | 1      | 2      | 13     | 25     |
| Min | 243.67 | 243.64 | 243.75 | 244.62 | 245.70 | 245.62 | 245.43 | 245.45 | 245.26 | 244.78 | 244.49 | 244.54 |
| Day | 8      | 15     | 6      | 11     | 1      | 29     | 3      | 27     | 26     | 31     | 2      | 11     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 246.00 | | | | | 3 | | | | | | | | 246.00 | 3 |
| 245.80 | | | | | 25 | 13 | 1 | 10 | | | | | 245.80 | 52 |
| 245.60 | | | | 5 | 3 | 17 | 17 | 15 | 9 | | 1 | | 245.60 | 119 |
| 245.40 | | | | 4 | | | 13 | 6 | 16 | 2 | | 3 | 245.40 | 163 |
| 245.20 | | | | 4 | | | | | 5 | 4 | 1 | 4 | 245.20 | 181 |
| 245.00 | | | | 4 | | | | | | 14 | 7 | 14 | 245.00 | 220 |
| 244.80 | | | | 7 | | | | | | 9 | 16 | 7 | 244.80 | 259 |
| 244.60 | | | 3 | 6 | | | | | | 2 | 4 | 2 | 244.60 | 276 |
| 244.40 | | | 3 | | | | | | | | 1 | 1 | 244.40 | 281 |
| 244.20 | 1 | | 13 | | | | | | | | | | 244.20 | 295 |
| 244.00 | 3 | 1 | 4 | | | | | | | | | | 244.00 | 303 |
| 243.80 | 16 | 18 | 6 | | | | | | | | | | 243.80 | 343 |
| 243.60 | 11 | 10 | 2 | | | | | | | | | | 243.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 831-1062 Alexandria Bay C.G., New York on St. Lawrence River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 243.70 | 243.83 | 243.99 | 244.71 | 245.70 | 245.87 | 245.53 | 245.80 | 245.80 | 245.38 | 244.61 | 245.14 |
| 2 | 243.75 | 243.85 | 243.79 | 244.77 | 245.80 | 245.92 | 245.43 | 245.83 | 245.68 | 245.55 | 244.49 | 245.07 |
| 3 | 243.70 | 243.80 | 243.93 | 244.86 | 246.08 | 245.93 | 245.43 | 245.78 | 245.75 | 245.42 | 244.90 | 245.17 |
| 4 | 243.67 | 243.83 | 243.89 | 244.79 | 245.96 | 245.82 | 245.63 | 245.83 | 245.71 | 245.15 | 245.02 | 244.94 |
| 5 | 243.79 | 243.82 | 243.90 | 244.81 | 245.93 | 245.76 | 245.59 | 245.87 | 245.59 | 245.06 | 244.97 | 244.97 |
| 6 | 243.86 | 243.67 | 243.75 | 244.77 | 245.98 | 245.84 | 245.60 | 245.85 | 245.63 | 245.11 | 244.96 | 245.36 |
| 7 | 243.83 | 243.80 | 243.98 | 244.81 | 245.99 | 245.88 | 245.55 | 245.77 | 245.61 | 245.09 | 244.84 | 245.23 |
| 8 | 243.67 | 243.83 | 244.00 | 244.82 | 245.98 | 245.97 | 245.50 | 245.76 | 245.68 | 245.05 | 244.83 | 244.98 |
| 9 | 243.80 | 243.83 | 244.01 | 244.82 | 245.97 | 245.97 | 245.65 | 245.86 | 245.54 | 245.11 | 244.80 | 244.89 |
| 10 | 243.80 | 243.77 | 244.15 | 244.75 | 246.00 | 245.91 | 245.57 | 245.81 | 245.68 | 245.11 | 244.88 | 244.76 |
| 11 | 243.70 | 243.86 | 244.28 | 244.62 | 246.00 | 245.90 | 245.63 | 245.89 | 245.57 | 245.10 | 245.01 | 244.54 |
| 12 | 243.76 | 243.71 | 244.44 | 245.19 | 246.00 | 245.94 | 245.54 | 245.76 | 245.52 | 245.20 | 244.84 | 244.76 |
| 13 | 243.86 | 243.72 | 244.37 | 245.00 | 246.04 | 245.94 | 245.59 | 245.72 | 245.50 | 245.26 | 245.62 | 244.85 |
| 14 | 243.85 | 243.72 | 244.31 | 245.08 | 245.99 | 245.87 | 245.54 | 245.73 | 245.50 | 245.04 | 245.22 | 245.04 |
| 15 | 243.94 | 243.64 | 244.27 | 245.02 | 245.98 | 245.72 | 245.57 | 245.66 | 245.49 | 244.95 | 244.97 | 245.03 |
| 16 | 243.88 | 243.87 | 244.26 | 244.92 | 245.95 | 245.72 | 245.57 | 245.64 | 245.47 | 245.27 | 244.96 | 245.19 |
| 17 | 244.13 | 243.85 | 244.34 | 245.18 | 246.03 | 245.68 | 245.65 | 245.68 | 245.49 | 245.36 | 244.86 | 245.10 |
| 18 | 244.04 | 243.74 | 244.22 | 245.22 | 245.95 | 245.76 | 245.72 | 245.67 | 245.54 | 245.17 | 244.83 | 245.10 |
| 19 | 244.03 | 243.85 | 244.17 | 245.24 | 245.96 | 245.79 | 245.71 | 245.75 | 245.52 | 245.15 | 244.81 | 245.20 |
| 20 | 243.94 | 243.87 | 244.29 | 245.32 | 245.99 | 245.77 | 245.78 | 245.68 | 245.43 | 245.05 | 244.77 | 245.44 |
| 21 | 243.92 | 243.97 | 244.23 | 245.34 | 245.99 | 245.80 | 245.75 | 245.65 | 245.51 | 244.99 | 245.00 | 245.12 |
| 22 | 243.72 | 243.94 | 244.16 | 245.47 | 245.98 | 245.76 | 245.72 | 245.63 | 245.65 | 244.96 | 244.86 | 245.26 |
| 23 | 243.95 | 243.92 | 244.27 | 245.52 | 245.96 | 245.73 | 245.68 | 245.57 | 245.39 | 245.04 | 244.68 | 245.23 |
| 24 | 244.31 | 243.78 | 244.27 | 245.48 | 245.76 | 245.64 | 245.69 | 245.57 | 245.32 | 245.00 | 244.84 | 245.14 |
| 25 | 243.96 | 243.88 | 244.25 | 245.54 | 245.83 | 245.71 | 245.71 | 245.55 | 245.28 | 244.86 | 244.95 | 245.58 |
| 26 | 244.00 | 243.99 | 244.27 | 245.62 | 245.90 | 245.68 | 245.73 | 245.53 | 245.26 | 244.90 | 245.03 | 245.42 |
| 27 | 243.89 | 244.10 | 244.48 | 245.69 | 245.94 | 245.67 | 245.79 | 245.45 | 245.57 | 244.90 | 245.19 | 245.04 |
| 28 | 243.86 | 243.95 | 244.59 | 245.73 | 245.98 | 245.66 | 245.81 | 245.51 | 245.48 | 244.93 | 245.07 | 245.10 |
| 29 | 243.94 | 243.95 | 244.62 | 245.75 | 245.93 | 245.62 | 245.80 | 246.00 | 245.52 | 244.81 | 245.14 | 244.98 |
| 30 | 243.95 | | 244.61 | 245.74 | 245.86 | 245.63 | 245.76 | 245.94 | 245.34 | 244.80 | 245.17 | 244.90 |
| 31 | 243.93 | | 244.66 | | 245.89 | | 245.62 | 245.97 | | 244.78 | | 245.05 |
| Mean | 243.87 | 243.84 | 244.22 | 245.15 | 245.94 | 245.80 | 245.64 | 245.73 | 245.53 | 245.08 | 244.94 | 245.08 |
| Max.
Hr.
Day | 244.74
1300
24 | 244.30
1700
27 | 244.75
1100
31 | 245.80
0900
29 | 246.24
0300
3 | 246.06
1800
8 | 245.92
2400
31 | 246.36
1500
29 | 245.94
0200
1 | 246.06
0200
17 | 246.51
0400
13 | 246.17
2300
25 |
| Min.
Hr.
Day | 243.48
0200
9 | 243.51
1600
15 | 243.58
1700
6 | 244.12
0600
11 | 245.55
0100
2 | 245.55
1500
29 | 245.26
0700
3 | 245.29
1900
27 | 245.21
1600
26 | 244.70
1600
29 | 244.22
0400
23 | 244.40
0400
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 245.07

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 831-2000 Cape Vincent, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 246.35 May
Daily mean elevation: 246.43 13 May
Instant/hourly elevation: 247.52 0200/13 Nov

LOWEST

Monthly mean elevation: 244.15 Jan
Daily mean elevation: 243.46 1 Jan
Instant/hourly elevation: 243.36 0300/2 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 244.56 | 244.41 | 244.96 | 246.08 | 246.43 | 246.35 | 246.19 | 246.35 | 246.21 | 245.92 | 245.94 | 246.01 |
| Day | 24     | 27     | 31     | 30     | 13     | 8      | 27     | 29     | 1      | 2      | 13     | 25     |
| Min | 243.46 | 243.97 | 244.13 | 245.03 | 246.07 | 246.00 | 245.86 | 245.92 | 245.77 | 245.26 | 245.11 | 245.27 |
| Day | 1      | 15     | 6      | 1      | 1      | 29     | 2      | 27     | 26     | 31     | 2      | 11     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 246.40 | | | | | 3 | | | | | | | | 246.40 | 3 |
| 246.20 | | | | | 27 | 14 | | 10 | 1 | | | | 246.20 | 55 |
| 246.00 | | | | 3 | 1 | 15 | 16 | 17 | 11 | | | 1 | 246.00 | 119 |
| 245.80 | | | | 5 | | 1 | 15 | 4 | 16 | 3 | 1 | 1 | 245.80 | 165 |
| 245.60 | | | | 6 | | | | | 2 | 7 | 3 | 11 | 245.60 | 194 |
| 245.40 | | | | 1 | | | | | | 15 | 11 | 16 | 245.40 | 237 |
| 245.20 | | | | 4 | | | | | | 6 | 13 | 2 | 245.20 | 262 |
| 245.00 | | | | 11 | | | | | | | 2 | | 245.00 | 275 |
| 244.80 | | | 5 | | | | | | | | | | 244.80 | 280 |
| 244.60 | | | 11 | | | | | | | | | | 244.60 | 291 |
| 244.40 | 2 | 1 | 6 | | | | | | | | | | 244.40 | 300 |
| 244.20 | 11 | 7 | 7 | | | | | | | | | | 244.20 | 325 |
| 244.00 | 13 | 20 | 2 | | | | | | | | | | 244.00 | 360 |
| 243.80 | 3 | 1 | | | | | | | | | | | 243.80 | 364 |
| 243.60 | 1 | | | | | | | | | | | | 243.60 | 365 |
| 243.40 | 1 | | | | | | | | | | | | 243.40 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 831-2000 Cape Vincent, New York on Lake Ontario

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 243.46 | 244.17 | 244.32 | 245.03 | 246.07 | 246.33 | 245.94 | 246.20 | 246.21 | 245.83 | 245.12 | 245.60 |
| 2 | 243.80 | 244.19 | 244.15 | 245.08 | 246.22 | 246.34 | 245.86 | 246.20 | 246.12 | 245.92 | 245.11 | 245.55 |
| 3 | 243.93 | 244.15 | 244.27 | 245.14 | 246.37 | 246.32 | 245.94 | 246.16 | 246.19 | 245.82 | 245.40 | 245.65 |
| 4 | 243.98 | 244.19 | 244.25 | 245.10 | 246.31 | 246.24 | 246.00 | 246.22 | 246.14 | 245.66 | 245.49 | 245.47 |
| 5 | 244.08 | 244.15 | 244.25 | 245.14 | 246.31 | 246.22 | 245.96 | 246.24 | 246.05 | 245.61 | 245.43 | 245.54 |
| 6 | 244.12 | 244.04 | 244.13 | 245.10 | 246.34 | 246.28 | 245.97 | 246.23 | 246.09 | 245.61 | 245.44 | 245.79 |
| 7 | 244.09 | 244.19 | 244.33 | 245.13 | 246.35 | 246.28 | 245.93 | 246.17 | 246.06 | 245.57 | 245.35 | 245.64 |
| 8 | 243.97 | 244.20 | 244.34 | 245.14 | 246.33 | 246.35 | 245.89 | 246.20 | 246.10 | 245.54 | 245.34 | 245.49 |
| 9 | 244.13 | 244.16 | 244.34 | 245.14 | 246.37 | 246.34 | 246.00 | 246.25 | 246.01 | 245.60 | 245.28 | 245.42 |
| 10 | 244.10 | 244.12 | 244.50 | 245.10 | 246.41 | 246.28 | 245.96 | 246.22 | 246.12 | 245.58 | 245.38 | 245.33 |
| 11 | 244.02 | 244.18 | 244.58 | 245.11 | 246.39 | 246.29 | 246.01 | 246.30 | 246.03 | 245.58 | 245.42 | 245.27 |
| 12 | 244.07 | 244.05 | 244.67 | 245.48 | 246.40 | 246.30 | 245.95 | 246.21 | 245.99 | 245.65 | 245.33 | 245.43 |
| 13 | 244.10 | 244.06 | 244.67 | 245.31 | 246.43 | 246.29 | 246.00 | 246.16 | 245.96 | 245.64 | 245.94 | 245.46 |
| 14 | 244.22 | 244.06 | 244.63 | 245.39 | 246.40 | 246.25 | 245.97 | 246.18 | 245.97 | 245.50 | 245.59 | 245.53 |
| 15 | 244.18 | 243.97 | 244.61 | 245.35 | 246.38 | 246.17 | 245.99 | 246.12 | 245.96 | 245.47 | 245.43 | 245.53 |
| 16 | 244.17 | 244.18 | 244.61 | 245.31 | 246.37 | 246.14 | 245.98 | 246.10 | 245.94 | 245.78 | 245.45 | 245.64 |
| 17 | 244.43 | 244.14 | 244.69 | 245.62 | 246.42 | 246.10 | 246.05 | 246.12 | 245.94 | 245.69 | 245.38 | 245.60 |
| 18 | 244.30 | 244.07 | 244.59 | 245.65 | 246.39 | 246.15 | 246.11 | 246.10 | 245.97 | 245.59 | 245.37 | 245.59 |
| 19 | 244.30 | 244.20 | 244.55 | 245.69 | 246.38 | 246.18 | 246.12 | 246.14 | 245.98 | 245.60 | 245.35 | 245.69 |
| 20 | 244.23 | 244.21 | 244.66 | 245.74 | 246.38 | 246.16 | 246.17 | 246.09 | 245.93 | 245.52 | 245.34 | 245.85 |
| 21 | 244.25 | 244.30 | 244.58 | 245.71 | 246.38 | 246.18 | 246.14 | 246.06 | 246.00 | 245.50 | 245.49 | 245.61 |
| 22 | 244.07 | 244.26 | 244.52 | 245.78 | 246.37 | 246.14 | 246.11 | 246.05 | 246.09 | 245.46 | 245.33 | 245.71 |
| 23 | 244.32 | 244.19 | 244.63 | 245.82 | 246.35 | 246.11 | 246.10 | 246.02 | 245.88 | 245.51 | 245.32 | 245.73 |
| 24 | 244.56 | 244.10 | 244.63 | 245.83 | 246.30 | 246.07 | 246.10 | 246.01 | 245.84 | 245.46 | 245.40 | 245.63 |
| 25 | 244.18 | 244.25 | 244.61 | 245.91 | 246.31 | 246.09 | 246.12 | 245.99 | 245.82 | 245.39 | 245.48 | 246.01 |
| 26 | 244.24 | 244.32 | 244.61 | 245.88 | 246.33 | 246.06 | 246.13 | 245.98 | 245.77 | 245.41 | 245.56 | 245.71 |
| 27 | 244.19 | 244.41 | 244.83 | 245.93 | 246.36 | 246.07 | 246.19 | 245.92 | 245.96 | 245.39 | 245.62 | 245.56 |
| 28 | 244.22 | 244.31 | 244.90 | 246.05 | 246.36 | 246.03 | 246.16 | 245.99 | 245.86 | 245.40 | 245.56 | 245.57 |
| 29 | 244.30 | 244.31 | 244.92 | 246.06 | 246.31 | 246.00 | 246.17 | 246.35 | 245.88 | 245.32 | 245.61 | 245.49 |
| 30 | 244.28 | | 244.92 | 246.08 | 246.26 | 246.02 | 246.13 | 246.30 | 245.78 | 245.29 | 245.63 | 245.44 |
| 31 | 244.24 | | 244.96 | | 246.33 | | 246.09 | 246.32 | | 245.26 | | 245.62 |
| Mean | 244.15 | 244.18 | 244.56 | 245.49 | 246.35 | 246.19 | 246.04 | 246.15 | 245.99 | 245.55 | 245.43 | 245.59 |
| Max. | 244.92 | 244.68 | 245.07 | 246.16 | 246.62 | 246.46 | 246.37 | 246.66 | 246.34 | 246.28 | 247.52 | 246.43 |
| Hr. | 1100 | 1100 | 2100 | 1900 | 2000 | 1500 | 2400 | 2200 | 1600 | 2000 | 0200 | 2200 |
| Day | 24 | 27 | 10 | 30 | 17 | 8 | 31 | 10 | 8 | 16 | 13 | 25 |
| Min. | 243.36 | 243.81 | 243.93 | 244.64 | 245.77 | 245.91 | 245.72 | 245.77 | 245.65 | 245.20 | 244.82 | 245.10 |
| Hr. | 0300 | 1400 | 1500 | 0400 | 1500 | 1400 | 0600 | 0600 | 1900 | 1900 | 0300 | 0200 |
| Day | 2 | 15 | 6 | 11 | 2 | 29 | 3 | 28 | 30 | 31 | 23 | 11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 245.47

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 905-2030 Oswego, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 246.41 May
Daily mean elevation: 246.49 18 May
Instant/hourly elevation: 246.73 0100/3 May

LOWEST

Monthly mean elevation: 244.25 Jan
Daily mean elevation: 244.05 3 Jan
Instant/hourly elevation: 243.80 0600/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 244.57 | 244.50 | 245.03 | 246.15 | 246.49 | 246.43 | 246.25 | 246.33 | 246.23 | 245.85 | 245.62 | 245.84 |
| Day | 24     | 29     | 28     | 30     | 18     | 1      | 27     | 11     | 1      | 1      | 29     | 20     |
| Min | 244.05 | 244.06 | 244.25 | 245.08 | 246.11 | 246.02 | 245.86 | 245.95 | 245.79 | 245.38 | 245.12 | 245.34 |
| Day | 3      | 15     | 6      | 1      | 1      | 29     | 3      | 27     | 26     | 31     | 2      | 10     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 246.40 | | | | | 18 | 1 | | | | | | | 246.40 | 19 |
| 246.20 | | | | | 11 | 17 | 5 | 11 | 1 | | | | 246.20 | 64 |
| 246.00 | | | | 6 | 2 | 12 | 17 | 17 | 13 | | | | 246.00 | 131 |
| 245.80 | | | | 3 | | | 9 | 3 | 15 | 3 | | 1 | 245.80 | 165 |
| 245.60 | | | | 5 | | | | | 1 | 8 | 2 | 14 | 245.60 | 195 |
| 245.40 | | | | 4 | | | | | | 18 | 18 | 15 | 245.40 | 250 |
| 245.20 | | | | 2 | | | | | | 2 | 9 | 1 | 245.20 | 264 |
| 245.00 | | | 1 | 10 | | | | | | | 1 | | 245.00 | 276 |
| 244.80 | | | 5 | | | | | | | | | | 244.80 | 281 |
| 244.60 | | | 15 | | | | | | | | | | 244.60 | 296 |
| 244.40 | 3 | 2 | 3 | | | | | | | | | | 244.40 | 304 |
| 244.20 | 15 | 19 | 7 | | | | | | | | | | 244.20 | 345 |
| 244.00 | 13 | 8 | | | | | | | | | | | 244.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 905-2030 Oswego, New York on Lake Ontario

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 244.09 | 244.34 | 244.41 | 245.08 | 246.11 | 246.43 | 245.99 | 246.26 | 246.23 | 245.85 | 245.29 | 245.57 |
| 2 | 244.06 | 244.29 | 244.32 | 245.14 | 246.20 | 246.38 | 245.94 | 246.18 | 246.13 | 245.83 | 245.12 | 245.52 |
| 3 | 244.05 | 244.24 | 244.34 | 245.18 | 246.39 | 246.37 | 245.86 | 246.15 | 246.10 | 245.84 | 245.30 | 245.71 |
| 4 | 244.09 | 244.28 | 244.33 | 245.14 | 246.38 | 246.36 | 245.94 | 246.24 | 246.13 | 245.75 | 245.39 | 245.56 |
| 5 | 244.15 | 244.33 | 244.33 | 245.20 | 246.39 | 246.33 | 245.95 | 246.27 | 246.05 | 245.72 | 245.50 | 245.71 |
| 6 | 244.20 | 244.16 | 244.25 | 245.15 | 246.40 | 246.36 | 245.97 | 246.23 | 245.99 | 245.64 | 245.56 | 245.69 |
| 7 | 244.26 | 244.18 | 244.35 | 245.15 | 246.40 | 246.35 | 245.96 | 246.17 | 245.99 | 245.59 | 245.46 | 245.73 |
| 8 | 244.10 | 244.28 | 244.41 | 245.19 | 246.41 | 246.37 | 245.89 | 246.12 | 246.02 | 245.54 | 245.42 | 245.57 |
| 9 | 244.09 | 244.34 | 244.38 | 245.20 | 246.44 | 246.38 | 246.02 | 246.21 | 246.01 | 245.55 | 245.33 | 245.46 |
| 10 | 244.23 | 244.09 | 244.43 | 245.20 | 246.47 | 246.37 | 246.01 | 246.23 | 246.06 | 245.55 | 245.30 | 245.34 |
| 11 | 244.13 | 244.24 | 244.75 | 245.24 | 246.47 | 246.36 | 246.03 | 246.33 | 246.09 | 245.57 | 245.39 | 245.60 |
| 12 | 244.08 | 244.11 | 244.91 | 245.55 | 246.44 | 246.34 | 245.97 | 246.29 | 246.02 | 245.63 | 245.25 | 245.68 |
| 13 | 244.10 | 244.07 | 244.80 | 245.42 | 246.48 | 246.32 | 246.05 | 246.25 | 245.98 | 245.68 | 245.60 | 245.64 |
| 14 | 244.33 | 244.11 | 244.74 | 245.42 | 246.48 | 246.32 | 246.06 | 246.20 | 245.95 | 245.54 | 245.48 | 245.57 |
| 15 | 244.36 | 244.06 | 244.73 | 245.42 | 246.47 | 246.29 | 246.08 | 246.16 | 245.94 | 245.58 | 245.47 | 245.57 |
| 16 | 244.32 | 244.25 | 244.66 | 245.38 | 246.42 | 246.22 | 246.04 | 246.09 | 245.91 | 245.68 | 245.43 | 245.52 |
| 17 | 244.42 | 244.21 | 244.73 | 245.69 | 246.37 | 246.12 | 246.06 | 246.09 | 245.90 | 245.75 | 245.44 | 245.63 |
| 18 | 244.53 | 244.17 | 244.66 | 245.66 | 246.49 | 246.11 | 246.17 | 246.08 | 245.94 | 245.59 | 245.44 | 245.68 |
| 19 | 244.39 | 244.23 | 244.66 | 245.67 | 246.45 | 246.18 | 246.17 | 246.18 | 246.05 | 245.75 | 245.43 | 245.52 |
| 20 | 244.30 | 244.28 | 244.72 | 245.69 | 246.43 | 246.22 | 246.16 | 246.15 | 245.96 | 245.55 | 245.34 | 245.84 |
| 21 | 244.35 | 244.37 | 244.67 | 245.71 | 246.45 | 246.21 | 246.23 | 246.13 | 245.87 | 245.55 | 245.34 | 245.60 |
| 22 | 244.20 | 244.27 | 244.62 | 245.82 | 246.41 | 246.20 | 246.23 | 246.09 | 246.05 | 245.51 | 245.44 | 245.62 |
| 23 | 244.19 | 244.31 | 244.69 | 245.85 | 246.42 | 246.12 | 246.20 | 246.05 | 246.01 | 245.46 | 245.48 | 245.69 |
| 24 | 244.57 | 244.28 | 244.69 | 245.98 | 246.47 | 246.12 | 246.15 | 246.03 | 245.90 | 245.57 | 245.45 | 245.79 |
| 25 | 244.37 | 244.27 | 244.61 | 246.01 | 246.42 | 246.11 | 246.14 | 246.01 | 245.81 | 245.53 | 245.47 | 245.65 |
| 26 | 244.34 | 244.39 | 244.66 | 246.06 | 246.39 | 246.07 | 246.14 | 245.96 | 245.79 | 245.48 | 245.50 | 245.80 |
| 27 | 244.27 | 244.48 | 244.94 | 246.09 | 246.43 | 246.08 | 246.25 | 245.95 | 245.83 | 245.48 | 245.62 | 245.48 |
| 28 | 244.31 | 244.38 | 245.03 | 246.11 | 246.40 | 246.05 | 246.21 | 246.00 | 245.88 | 245.44 | 245.58 | 245.49 |
| 29 | 244.34 | 244.50 | 245.00 | 246.10 | 246.38 | 246.02 | 246.21 | 246.26 | 246.03 | 245.44 | 245.62 | 245.53 |
| 30 | 244.28 | | 244.95 | 246.15 | 246.32 | 246.03 | 246.19 | 246.15 | 245.94 | 245.40 | 245.60 | 245.58 |
| 31 | 244.33 | | 244.98 | | 246.39 | | 246.18 | 246.30 | | 245.38 | | 245.69 |
| Mean | 244.25 | 244.26 | 244.64 | 245.55 | 246.41 | 246.24 | 246.08 | 246.15 | 245.98 | 245.59 | 245.43 | 245.61 |
| Max. | 244.90 | 244.79 | 245.12 | 246.25 | 246.73 | 246.51 | 246.45 | 246.54 | 246.32 | 246.22 | 246.55 | 246.28 |
| Hr. | 2100 | 1500 | 0400 | 2000 | 0100 | 1000 | 0700 | 0100 | 2400 | 1800 | 0100 | 2300 |
| Day | 14 | 27 | 29 | 30 | 3 | 1 | 14 | 11 | 18 | 16 | 13 | 25 |
| Min. | 243.80 | 243.93 | 244.17 | 244.68 | 245.46 | 245.84 | 245.76 | 245.84 | 245.69 | 245.23 | 245.01 | 245.19 |
| Hr. | 0600 | 1200 | 0500 | 0700 | 1900 | 0500 | 0600 | 0500 | 0700 | 2000 | 0300 | 0800 |
| Day | 9 | 15 | 7 | 11 | 1 | 18 | 5 | 28 | 27 | 31 | 3 | 19 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 245.52

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 905-2058 Rochester, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 246.41 May
Daily mean elevation: 246.49 11 May
Instant/hourly elevation: 247.01 2200/2 May

LOWEST

Monthly mean elevation: 244.24 Feb
Daily mean elevation: 244.06 9 Jan
Instant/hourly elevation: 243.88 1100/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 244.37 | 244.41 | 244.98 | 246.16 | 246.49 | 246.39 | 246.23 | 246.35 | 246.18 | 245.83 | 245.57 | 245.74 |
| Day | 25     | 29     | 31     | 30     | 11     | 4      | 21     | 11     | 1      | 1      | 29     | 11     |
| Min | 244.06 | 244.07 | 244.30 | 245.03 | 246.13 | 246.01 | 245.88 | 245.98 | 245.76 | 245.36 | 245.25 | 245.49 |
| Day | 9      | 13     | 5      | 1      | 1      | 29     | 3      | 26     | 27     | 31     | 2      | 10     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 246.40 | | | | | 18 | | | | | | | | 246.40 | 18 |
| 246.20 | | | | | 12 | 16 | 1 | 7 | | | | | 246.20 | 54 |
| 246.00 | | | | 6 | 1 | 14 | 20 | 21 | 14 | | | | 246.00 | 130 |
| 245.80 | | | | 3 | | | 10 | 3 | 14 | | | | 245.80 | 162 |
| 245.60 | | | | 5 | | | | | 2 | 8 | | 13 | 245.60 | 190 |
| 245.40 | | | | 3 | | | | | | 20 | 18 | 18 | 245.40 | 249 |
| 245.20 | | | | 3 | | | | | | 1 | 12 | | 245.20 | 265 |
| 245.00 | | | | 10 | | | | | | | | | 245.00 | 275 |
| 244.80 | | | 5 | | | | | | | | | | 244.80 | 280 |
| 244.60 | | | 16 | | | | | | | | | | 244.60 | 296 |
| 244.40 | | 1 | 2 | | | | | | | | | | 244.40 | 299 |
| 244.20 | 17 | 17 | 8 | | | | | | | | | | 244.20 | 341 |
| 244.00 | 6 | 11 | | | | | | | | | | | 244.00 | 358 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 905-2058 Rochester, New York on Lake Ontario

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | / | 244.30 | 244.35 | 245.03 | 246.13 | 246.39 | 246.01 | 246.17 | 246.18 | 245.83 | 245.33 | 245.55 |
| 2 | / | 244.25 | 244.34 | 245.09 | 246.28 | 246.38 | 245.94 | 246.16 | 246.10 | 245.77 | 245.25 | 245.55 |
| 3 | / | 244.24 | 244.33 | 245.11 | 246.33 | 246.37 | 245.88 | 246.20 | 246.05 | 245.81 | 245.33 | 245.60 |
| 4 | / | 244.25 | 244.33 | 245.13 | 246.38 | 246.39 | 245.91 | 246.22 | 246.12 | 245.78 | 245.36 | 245.58 |
| 5 | / | 244.26 | 244.30 | 245.14 | 246.40 | 246.36 | 245.92 | 246.23 | 246.07 | 245.71 | 245.41 | 245.65 |
| 6 | / | 244.22 | 244.32 | 245.13 | 246.41 | 246.37 | 245.93 | 246.21 | 246.02 | 245.62 | 245.48 | 245.53 |
| 7 | / | 244.20 | 244.35 | 245.15 | 246.41 | 246.34 | 245.95 | 246.20 | 246.01 | 245.60 | 245.46 | 245.57 |
| 8 | / | 244.20 | 244.38 | 245.18 | 246.43 | 246.35 | 245.92 | 246.18 | 246.00 | 245.59 | 245.42 | 245.57 |
| 9 | 244.06* | 244.21 | 244.41 | 245.16 | 246.46 | 246.36 | 245.98 | 246.19 | 246.07 | 245.60 | 245.37 | 245.53 |
| 10 | 244.17 | 244.13 | 244.43 | 245.19 | 246.47 | 246.37 | 246.01 | 246.18 | 246.05 | 245.57 | 245.33 | 245.49 |
| 11 | 244.15 | 244.16 | 244.67 | 245.32 | 246.49 | 246.37 | 245.97 | 246.35 | 246.10 | 245.60 | 245.37 | 245.74 |
| 12 | 244.11 | 244.14 | 244.70 | 245.36 | 246.48 | 246.33 | 245.96 | 246.31 | 246.06 | 245.63 | 245.36 | 245.67 |
| 13 | 244.10 | 244.07 | 244.68 | 245.40 | 246.47 | 246.31 | 246.02 | 246.25 | 246.01 | 245.62 | 245.43 | 245.62 |
| 14 | 244.22 | 244.09 | 244.69 | 245.43 | 246.48 | 246.32 | 246.03 | 246.20 | 245.95 | 245.58 | 245.39 | 245.59 |
| 15 | 244.31 | 244.11 | 244.70 | 245.45 | 246.48 | 246.30 | 246.01 | 246.17 | 245.92 | 245.57 | 245.44 | 245.60 |
| 16 | 244.28 | 244.19 | 244.65 | 245.57 | 246.46 | 246.22 | 246.02 | 246.15 | 245.91 | 245.51 | 245.40 | 245.56 |
| 17 | 244.21 | 244.20 | 244.66 | 245.67 | 246.43 | 246.14 | 246.02 | 246.13 | 245.92 | 245.61 | 245.46 | 245.61 |
| 18 | 244.30 | 244.20 | 244.67 | 245.66 | 246.46 | 246.12 | 246.12 | 246.11 | 245.95 | 245.59 | 245.46 | 245.63 |
| 19 | 244.26 | 244.22 | 244.66 | 245.72 | 246.47 | 246.14 | 246.13 | 246.14 | 246.02 | 245.62 | 245.45 | 245.58 |
| 20 | 244.27 | 244.27 | 244.65 | 245.72 | 246.45 | 246.17 | 246.15 | 246.16 | 245.96 | 245.52 | 245.39 | 245.64 |
| 21 | 244.28 | 244.32 | 244.66 | 245.78 | 246.43 | 246.16 | 246.23 | 246.13 | 245.89 | 245.52 | 245.36 | 245.65 |
| 22 | 244.23 | 244.29 | 244.68 | 245.81 | 246.43 | 246.16 | 246.19 | 246.10 | 245.96 | 245.49 | 245.44 | 245.61 |
| 23 | 244.20 | 244.32 | 244.64 | 245.89 | 246.40 | 246.11 | 246.17 | 246.06 | 246.03 | 245.46 | 245.45 | 245.61 |
| 24 | 244.32 | 244.31 | 244.66 | 245.94 | 246.40 | 246.11 | 246.14 | 246.02 | 245.93 | 245.53 | 245.47 | 245.67 |
| 25 | 244.37 | 244.28 | 244.67 | 246.01 | 246.38 | 246.08 | 246.12 | 245.99 | 245.84 | 245.51 | 245.52 | 245.52 |
| 26 | 244.31 | 244.32 | 244.69 | 246.04 | 246.38 | 246.06 | 246.10 | 245.98 | 245.79 | 245.47 | 245.55 | 245.54 |
| 27 | 244.29 | 244.33 | 244.84 | 246.08 | 246.41 | 246.05 | 246.15 | 246.00 | 245.76 | 245.47 | 245.55 | 245.53 |
| 28 | 244.29 | 244.36 | 244.95 | 246.11 | 246.40 | 246.04 | 246.19 | 246.03 | 245.82 | 245.43 | 245.57 | 245.56 |
| 29 | 244.25 | 244.41 | 244.94 | 246.12 | 246.39 | 246.01 | 246.20 | 246.13 | 245.91 | 245.43 | 245.57 | 245.61 |
| 30 | 244.24 | | 244.95 | 246.16 | 246.35 | 246.02 | 246.18 | 246.16 | 245.91 | 245.41 | 245.56 | 245.61 |
| 31 | 244.30 | | 244.98 | | 246.39 | | 246.14 | 246.23 | | 245.36 | | 245.63 |
| Mean | 244.24 | 244.24 | 244.61 | 245.55 | 246.41 | 246.23 | 246.05 | 246.15 | 245.98 | 245.57 | 245.43 | 245.59 |
| Max. | 244.48 | 244.68 | 245.08 | 246.23 | 247.01 | 246.47 | 246.34 | 246.78 | 246.30 | 245.90 | 245.86 | 245.95 |
| Hr. | 0200 | 2000 | 1800 | 2300 | 2200 | 0800 | 1100 | 0200 | 2300 | 0500 | 2400 | 2000 |
| Day | 25 | 28 | 31 | 30 | 2 | 8 | 29 | 11 | 18 | 1 | 12 | 11 |
| Min. | 243.88 | 243.94 | 244.19 | 244.87 | 245.59 | 245.86 | 245.74 | 245.81 | 245.64 | 245.20 | 245.14 | 245.28 |
| Hr. | 1100 | 2100 | 1500 | 0400 | 1900 | 1700 | 0500 | 1400 | 1900 | 2000 | 0800 | 0500 |
| Day | 9 | 14 | 5 | 1 | 1 | 18 | 3 | 30 | 18 | 31 | 2 | 16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 245.50

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 905-2076 Olcott, New York on Lake Ontario

HIGHEST

Monthly mean elevation: 246.44 May
Daily mean elevation: 246.52 15 May
Instant/hourly elevation: 246.71 0100/11 Aug

LOWEST

Monthly mean elevation: 244.21 Jan
Daily mean elevation: 244.05 6 Jan
Instant/hourly elevation: 243.76 2000/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 244.37 | 244.39 | 244.97 | 246.18 | 246.52 | 246.46 | 246.22 | 246.28 | 246.10 | 245.81 | 245.60 | 245.76 |
| Day | 27 | 24 | 31 | 30 | 15 | 5 | 21 | 11 | 7 | 1 | 28 | 11 |
| Min | 244.05 | 244.10 | 244.34 | 245.01 | 246.24 | 246.00 | 245.93 | 245.99 | 245.83 | 245.38 | 245.23 | 245.44 |
| Day | 6 | 11 | 1 | 1 | 1 | 30 | 4 | 28 | 27 | 31 | 13 | 6 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 246.40 | | | | | 22 | 5 | | | | | | | 246.40 | 27 |
| 246.20 | | | | | 9 | 11 | 1 | 7 | | | | | 246.20 | 55 |
| 246.00 | | | | 6 | | 13 | 15 | 21 | 14 | | | | 246.00 | 124 |
| 245.80 | | | | 5 | | 1 | 15 | 3 | 16 | 1 | | | 245.80 | 165 |
| 245.60 | | | | 4 | | | | | | 10 | | | 245.60 | 191 |
| 245.40 | | | | 3 | | | | | | 19 | 26 | 12 | 245.40 | 258 |
| 245.20 | | | | 4 | | | | | | 1 | 4 | | 245.20 | 267 |
| 245.00 | | | | 8 | | | | | | | | | 245.00 | 275 |
| 244.80 | | | | | | | | | | | | | 244.80 | 279 |
| 244.60 | | | 4 | | | | | | | | | | 244.60 | 293 |
| 244.40 | | | 14 | | | | | | | | | | 244.40 | 302 |
| 244.20 | 14 | 21 | 9 | | | | | | | | | | 244.20 | 341 |
| 244.00 | 17 | 8 | 4 | | | | | | | | | | 244.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 905-2076 Olcott, New York on Lake Ontario

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 244.11 | 244.28 | 244.34 | 245.01 | 246.24 | 246.39 | 245.96 | 246.08 | 246.10 | 245.81 | 245.40 | 245.59 |
| 2 | 244.14 | 244.25 | 244.43 | 245.04 | 246.26 | 246.41 | 245.93 | 246.17 | 246.08 | 245.75 | 245.49 | 245.60 |
| 3 | 244.17 | 244.25 | 244.35 | 245.07 | 246.32 | 246.42 | 245.97 | 246.18 | 246.07 | 245.79 | 245.47 | 245.53 |
| 4 | 244.14 | 244.26 | 244.35 | 245.12 | 246.38 | 246.43 | 245.93 | 246.16 | 246.08 | 245.76 | 245.41 | 245.60 |
| 5 | 244.10 | 244.21 | 244.36 | 245.09 | 246.40 | 246.46 | 245.97 | 246.18 | 246.09 | 245.67 | 245.43 | 245.60 |
| 6 | 244.05 | 244.30 | 244.48 | 245.13 | 246.40 | 246.38 | 245.94 | 246.20 | 246.08 | 245.63 | 245.46 | 245.44 |
| 7 | 244.07 | 244.22 | 244.42 | 245.18 | 246.44 | 246.37 | 245.94 | 246.23 | 246.10 | 245.62 | 245.47 | 245.48 |
| 8 | 244.18 | 244.17 | 244.42 | 245.18 | 246.47 | 246.38 | 245.98 | 246.20 | 246.08 | 245.62 | 245.44 | 245.58 |
| 9 | 244.11 | 244.15 | 244.49 | 245.24 | 246.47 | 246.40 | 245.95 | 246.24 | 246.09 | 245.63 | 245.45 | 245.59 |
| 10 | 244.12 | 244.16 | 244.51 | 245.26 | 246.46 | 246.41 | 246.00 | 246.21 | 246.05 | 245.67 | 245.43 | 245.67 |
| 11 | 244.17 | 244.10 | 244.52 | 245.33 | 246.51 | 246.34 | 245.96 | 246.28 | 246.06 | 245.65 | 245.40 | 245.76 |
| 12 | 244.18 | 244.15 | 244.56 | 245.31 | 246.51 | 246.32 | 245.96 | 246.27 | 246.03 | 245.59 | 245.49 | 245.70 |
| 13 | 244.15 | 244.14 | 244.62 | 245.44 | 246.47 | 246.30 | 245.99 | 246.24 | 246.02 | 245.58 | 245.23 | 245.65 |
| 14 | 244.16 | 244.12 | 244.66 | 245.44 | 246.49 | 246.30 | 245.97 | 246.17 | 245.99 | 245.60 | 245.39 | 245.68 |
| 15 | 244.25 | 244.22 | 244.64 | 245.51 | 246.52 | 246.23 | 246.00 | 246.17 | 245.98 | 245.59 | 245.46 | 245.66 |
| 16 | 244.23 | 244.15 | 244.62 | 245.63 | 246.51 | 246.21 | 246.02 | 246.19 | 245.99 | 245.47 | 245.42 | 245.64 |
| 17 | 244.16 | 244.21 | 244.60 | 245.65 | 246.49 | 246.20 | 246.04 | 246.17 | 245.95 | 245.54 | 245.48 | 245.64 |
| 18 | 244.21 | 244.27 | 244.69 | 245.74 | 246.50 | 246.18 | 246.14 | 246.21 | 245.99 | 245.58 | 245.48 | 245.64 |
| 19 | 244.20 | 244.23 | 244.69 | 245.79 | 246.50 | 246.18 | 246.18 | 246.17 | 246.01 | 245.49 | 245.49 | 245.64 |
| 20 | 244.30 | 244.28 | 244.63 | 245.82 | 246.47 | 246.17 | 246.20 | 246.12 | 245.96 | 245.53 | 245.51 | 245.52 |
| 21 | 244.26 | 244.27 | 244.67 | 245.86 | 246.46 | 246.15 | 246.22 | 246.11 | 245.94 | 245.52 | 245.46 | 245.67 |
| 22 | 244.36 | 244.33 | 244.74 | 245.88 | 246.46 | 246.12 | 246.18 | 246.10 | 245.94 | 245.51 | 245.45 | 245.59 |
| 23 | 244.30 | 244.36 | 244.66 | 245.91 | 246.45 | 246.11 | 246.15 | 246.05 | 245.97 | 245.46 | 245.51 | 245.57 |
| 24 | 244.19 | 244.39 | 244.68 | 245.97 | 246.46 | 246.06 | 246.15 | 246.02 | 245.94 | 245.52 | 245.53 | 245.59 |
| 25 | 244.37 | 244.32 | 244.73 | 246.01 | 246.40 | 246.06 | 246.13 | 246.00 | 245.89 | 245.49 | 245.58 | 245.49 |
| 26 | 244.31 | 244.30 | 244.75 | 246.04 | 246.39 | 246.06 | 246.14 | 246.00 | 245.87 | 245.47 | 245.57 | 245.51 |
| 27 | 244.37 | 244.27 | 244.77 | 246.06 | 246.39 | 246.02 | 246.14 | 246.02 | 245.83 | 245.46 | 245.54 | 245.62 |
| 28 | 244.33 | 244.36 | 244.85 | 246.10 | 246.41 | 246.03 | 246.20 | 245.99 | 245.89 | 245.46 | 245.60 | 245.58 |
| 29 | 244.27 | 244.34 | 244.89 | 246.15 | 246.43 | 246.03 | 246.20 | 246.09 | 245.86 | 245.45 | 245.54 | 245.59 |
| 30 | 244.27 | | 244.95 | 246.18 | 246.44 | 246.00 | 246.13 | 246.15 | 245.85 | 245.44 | 245.56 | 245.58 |
| 31 | 244.27 | | 244.97 | | 246.41 | | 246.14 | 246.13 | | 245.38 | | 245.58 |
| Mean | 244.21 | 244.24 | 244.61 | 245.57 | 246.44 | 246.24 | 246.06 | 246.15 | 245.99 | 245.57 | 245.47 | 245.60 |
| Max.
Hr.
Day | 244.45
1000
27 | 244.60
2200
28 | 245.05
1600
31 | 246.25
2300
30 | 246.65
0800
9 | 246.52
1100
5 | 246.33
0400
21 | 246.71
0100
11 | 246.22
1100
5 | 245.89
1200
1 | 245.78
0300
3 | 245.86
0200
11 |
| Min.
Hr.
Day | 243.76
2000
14 | 243.98
0900
11 | 244.17
0500
1 | 244.95
0200
1 | 245.87
2200
2 | 245.89
2000
30 | 245.71
0400
14 | 245.88
2000
10 | 245.68
1400
27 | 245.16
1800
16 | 244.59
0100
13 | 245.21
2200
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 245.51

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3007 Ashland Avenue, Niagara Falls, New York on Niagara River

HIGHEST

Monthly mean elevation: 322.60 Sep
Daily mean elevation: 329.53 13 Nov
Instant/hourly elevation: 340.03 0500/13 Nov

LOWEST

Monthly mean elevation: 316.58 Feb
Daily mean elevation: 314.86 1 Nov
Instant/hourly elevation: 313.93 1100/7 Feb

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 324.47 | 319.11 | 322.40 | 323.00 | 323.08 | 322.34 | 322.92 | 324.40 | 324.00 | 323.90 | 329.53 | 326.60 |
| Day | 24 | 9 | 12 | 27 | 2 | 5 | 20 | 31 | 28 | 16 | 13 | 25 |
| Min | 315.07 | 314.90 | 315.73 | 322.00 | 321.78 | 321.81 | 321.86 | 322.07 | 321.48 | 321.03 | 314.86 | 317.23 |
| Day | 8 | 6 | 6 | 11 | 5 | 16 | 2 | 14 | 26 | 5 | 1 | 11 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 329.40 | | | | | | | | | | | 1 | | 329.40 | 1 |
| 328.80 | | | | | | | | | | | | | 328.80 | 1 |
| 328.20 | | | | | | | | | | | | | 328.20 | 1 |
| 327.60 | | | | | | | | | | | | | 327.60 | 1 |
| 327.00 | | | | | | | | | | | | | 327.00 | 1 |
| 326.40 | | | | | | | | | | | | 1 | 326.40 | 2 |
| 325.80 | | | | | | | | | | | | | 325.80 | 2 |
| 325.20 | | | | | | | | | | | | | 325.20 | 2 |
| 324.60 | | | | | | | | | | | | | 324.60 | 2 |
| 324.00 | 1 | | | | | | 1 | | | | | | 324.00 | 4 |
| 323.40 | | | | | | | 2 | 4 | 3 | | | 2 | 323.40 | 15 |
| 322.80 | | | | 2 | 2 | | 5 | 5 | 1 | 1 | | 1 | 322.80 | 33 |
| 322.20 | 1 | | 1 | 22 | 16 | 5 | 13 | 17 | 15 | 5 | 1 | 4 | 322.20 | 132 |
| 321.60 | 1 | | | 6 | 13 | 25 | 17 | 6 | 4 | 4 | 3 | 4 | 321.60 | 215 |
| 321.00 | | | 1 | | | | | | 2 | 18 | 5 | 3 | 321.00 | 244 |
| 320.40 | 1 | | 1 | | | | | | | | 6 | 3 | 320.40 | 255 |
| 319.80 | 1 | | 1 | | | | | | | | 1 | 2 | 319.80 | 260 |
| 319.20 | | | 3 | | | | | | | | 3 | 6 | 319.20 | 272 |
| 318.60 | | 2 | 2 | | | | | | | | 4 | 2 | 318.60 | 282 |
| 318.00 | 2 | 1 | 9 | | | | | | | | 1 | 2 | 318.00 | 297 |
| 317.40 | 3 | 2 | 4 | | | | | | | | 2 | | 317.40 | 308 |
| 316.80 | 2 | 4 | 2 | | | | | | | | | 1 | 316.80 | 317 |
| 316.20 | 3 | 8 | 5 | | | | | | | | 2 | | 316.20 | 335 |
| 315.60 | 7 | 7 | 2 | | | | | | | | | | 315.60 | 351 |
| 315.00 | 9 | 4 | | | | | | | | | | | 315.00 | 364 |
| 314.40 | | 1 | | | | | | | | | 1 | | 314.40 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3007 Ashland Avenue, Niagara Falls, New York on Niagara River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 315.31 | 316.30 | 321.26 | 322.65 | 322.22 | 322.11 | 322.00 | 322.35 | 322.96 | 322.25 | 314.86 | 321.71 |
| 2 | 315.26 | 317.22 | 316.54 | 322.68 | 323.08 | 322.12 | 321.86 | 322.63 | 322.47 | 323.53 | 316.48 | 321.31 |
| 3 | 315.22 | 315.88 | 316.51 | 322.60 | 322.98 | 322.18 | 321.99 | 322.64 | 322.79 | 323.13 | 320.69 | 322.14 |
| 4 | 315.44 | 316.04 | 317.01 | 322.54 | 322.49 | 322.34 | 322.26 | 322.68 | 322.65 | 321.11 | 321.35 | 321.56 |
| 5 | 315.57 | 315.67 | 316.55 | 322.33 | 321.78 | 322.34 | 322.36 | 322.82 | 322.33 | 321.03 | 320.72 | 323.81 |
| 6 | 315.93 | 314.90 | 315.73 | 322.34 | 322.28 | 322.26 | 322.35 | 322.87 | 322.59 | 321.22 | 321.21 | 323.72 |
| 7 | 315.77 | 315.53 | 316.66 | 322.11 | 322.39 | 322.13 | 322.07 | 322.92 | 322.42 | 321.04 | 318.67 | 322.65 |
| 8 | 315.07 | 318.70 | 317.67 | 322.22 | 322.01 | 322.24 | 322.07 | 322.28 | 322.70 | 321.22 | 316.70 | 319.95 |
| 9 | 316.49 | 319.11 | 318.12 | 322.13 | 322.18 | 322.21 | 322.15 | 322.48 | 322.31 | 322.57 | 317.87 | 319.69 |
| 10 | 315.53 | 317.05 | 317.49 | 322.14 | 322.34 | 322.12 | 322.14 | 323.16 | 323.59 | 322.63 | 319.35 | 319.64 |
| 11 | 315.74 | 316.20 | 320.92 | 322.00 | 322.24 | 322.05 | 322.13 | 323.00 | 323.35 | 322.17 | 320.53 | 317.23 |
| 12 | 315.38 | 316.08 | 322.40 | 322.20 | 322.30 | 321.93 | 322.24 | 322.37 | 322.49 | 322.40 | 319.62 | 318.01 |
| 13 | 315.63 | 317.10 | 320.30 | 322.17 | 322.26 | 321.91 | 322.55 | 322.40 | 322.51 | 322.69 | 329.53 | 318.14 |
| 14 | 317.42 | 316.05 | 318.21 | 322.27 | 322.16 | 321.86 | 322.28 | 322.07 | 322.85 | 321.51 | 321.55 | 318.82 |
| 15 | 316.84 | 315.10 | 319.72 | 322.39 | 322.01 | 321.82 | 322.37 | 322.17 | 322.80 | 321.15 | 321.37 | 319.52 |
| 16 | 317.88 | 318.00 | 319.59 | 322.24 | 322.14 | 321.81 | 322.35 | 322.26 | 322.09 | 323.90 | 320.63 | 320.52 |
| 17 | 319.95 | 316.24 | 318.70 | 322.65 | 322.32 | 321.85 | 322.58 | 322.30 | 322.68 | 323.82 | 320.43 | 321.33 |
| 18 | 322.15 | 315.59 | 317.46 | 322.52 | 322.19 | 322.02 | 322.64 | 322.21 | 322.82 | 322.09 | 318.86 | 320.52 |
| 19 | 316.97 | 316.78 | 316.75 | 322.31 | 322.34 | 322.02 | 322.61 | 322.65 | 322.52 | 321.50 | 319.06 | 320.34 |
| 20 | 315.18 | 316.77 | 318.31 | 322.39 | 322.26 | 322.00 | 322.92 | 322.28 | 321.58 | 321.50 | 318.57 | 322.60 |
| 21 | 317.86 | 317.42 | 317.29 | 322.30 | 322.28 | 322.14 | 322.61 | 322.30 | 322.21 | 322.16 | 319.52 | 320.53 |
| 22 | 315.78 | 316.59 | 316.12 | 322.48 | 322.20 | 322.12 | 322.09 | 322.20 | 323.44 | 321.42 | 317.72 | 322.54 |
| 23 | 316.48 | 315.72 | 318.31 | 322.69 | 322.18 | 322.10 | 321.91 | 322.15 | 322.38 | 321.38 | 319.87 | 322.38 |
| 24 | 324.47 | 315.25 | 318.75 | 322.89 | 322.09 | 322.03 | 321.95 | 322.19 | 322.08 | 321.66 | 321.62 | 321.77 |
| 25 | 322.73 | 316.55 | 318.14 | 322.59 | 322.42 | 322.11 | 322.10 | 322.25 | 321.66 | 321.40 | 320.44 | 326.60 |
| 26 | 320.70 | 316.42 | 317.82 | 322.55 | 322.47 | 321.99 | 322.11 | 322.19 | 321.48 | 321.46 | 321.77 | 323.26 |
| 27 | 318.22 | 317.18 | 318.35 | 323.00 | 322.30 | 322.03 | 322.50 | 322.25 | 322.90 | 321.29 | 321.55 | 318.81 |
| 28 | 318.04 | 316.79 | 319.48 | 322.46 | 322.30 | 322.02 | 322.10 | 322.46 | 324.00 | 321.22 | 318.94 | 319.22 |
| 29 | 315.73 | 318.58 | 318.60 | 322.32 | 322.09 | 321.95 | 322.20 | 323.94 | 323.42 | 321.18 | 321.82 | 319.71 |
| 30 | 315.94 | | 318.47 | 322.25 | 322.10 | 321.98 | 322.03 | 323.76 | 321.93 | 321.18 | 323.33 | 319.44 |
| 31 | 316.48 | | 318.22 | | 322.07 | | 321.92 | 324.40 | | 321.16 | | 321.94 |
| Mean | 317.14 | 316.58 | 318.24 | 322.41 | 322.27 | 322.06 | 322.24 | 322.60 | 322.60 | 321.87 | 320.15 | 320.95 |
| Max.
Hr.
Day | 328.91
2400
24 | 322.08
2100
8 | 323.87
1500
12 | 327.35
1000
27 | 328.17
1300
7 | 326.99
1000
4 | 327.09
1900
19 | 328.23
0800
31 | 328.36
1900
21 | 328.71
2200
16 | 340.03
0500
13 | 335.12
1900
25 |
| Min.
Hr.
Day | 314.25
0400
29 | 313.93
1100
7 | 314.67
0800
6 | 314.82
0200
11 | 314.72
2400
29 | 314.69
0100
20 | 314.66
0100
23 | 314.72
2400
14 | 315.22
2400
2 | 314.69
2400
29 | 314.66
2300
22 | 316.15
0800
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 320.76

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3009 American Falls, Niagara Falls, New York on Niagara River

HIGHEST

Monthly mean elevation: 559.64 Nov
Daily mean elevation: 560.14 13 Nov
Instant/hourly elevation: 560.41 0800/29 Aug

LOWEST

Monthly mean elevation: 558.61 Feb
Daily mean elevation: 557.82 31 Jan
Instant/hourly elevation: 557.67 1800/31 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 559.80 | 559.11 | 559.49 | 559.38 | 559.32 | 559.44 | 559.89 | 560.04 | 559.84 | 559.67 | 560.14 | 560.05 |
| Day | 18     | 21     | 28     | 27     | 3      | 21     | 20     | 29     | 27     | 17     | 13     | 26     |
| Min | 557.82 | 557.83 | 558.37 | 558.89 | 558.78 | 558.88 | 559.15 | 559.13 | 559.20 | 559.10 | 558.92 | 559.13 |
| Day | 31     | 1      | 13     | 7      | 15     | 1      | 23     | 14     | 3      | 4      | 1      | 11     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 560.00 | | | | | | | | 1 | | | 5 | 1 | 560.00 | 7 |
| 559.80 | | | | | | | 1 | 1 | 1 | | 5 | | 559.80 | 15 |
| 559.60 | 2 | | | | | | | 1 | | 2 | 3 | 1 | 559.60 | 24 |
| 559.40 | | | 1 | | | 1 | 13 | 3 | 9 | 5 | 12 | 24 | 559.40 | 92 |
| 559.20 | 3 | | 6 | 7 | 2 | 10 | 12 | 23 | 19 | 12 | 2 | 4 | 559.20 | 192 |
| 559.00 | 13 | 5 | 8 | 18 | 23 | 15 | 5 | 2 | 1 | 12 | 2 | 1 | 559.00 | 297 |
| 558.80 | 1 | 8 | 8 | 5 | 4 | 4 | | | | | 1 | | 558.80 | 328 |
| 558.60 | 2 | 2 | 4 | | 2 | | | | | | | | 558.60 | 338 |
| 558.40 | 2 | 5 | 3 | | | | | | | | | | 558.40 | 348 |
| 558.20 | 7 | 3 | 1 | | | | | | | | | | 558.20 | 359 |
| 558.00 | | 4 | | | | | | | | | | | 558.00 | 363 |
| 557.80 | 1 | 2 | | | | | | | | | | | 557.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3009 American Falls, Niagara Falls, New York on Niagara River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 559.06 | 557.83 | 558.93 | 559.14 | 559.03 | 558.88 | 559.19 | 559.44 | 559.36 | 559.27 | 558.92 | 559.77 |
| 2 | 559.05 | 558.01 | 558.65 | 559.26 | 559.12 | 558.98 | 559.16 | 559.46 | 559.27 | 559.67 | 559.11 | 559.47 |
| 3 | 559.02 | 558.00 | 558.86 | 559.23 | 559.32 | 559.12 | 559.22 | 559.33 | 559.20 | 559.53 | 560.00 | 559.44 |
| 4 | 559.08 | 558.16 | 558.99 | 559.08 | 559.20 | 559.14 | 559.40 | 559.42 | 559.32 | 559.10 | 559.99 | 559.46 |
| 5 | 559.10 | 558.16 | 559.06 | 559.12 | 559.02 | 559.14 | 559.48 | 559.32 | 559.29 | 559.19 | 560.01 | 559.44 |
| 6 | 559.16 | 558.24 | 558.95 | 559.04 | 558.80 | 559.16 | 559.35 | 559.22 | 559.35 | 559.24 | 560.09 | 559.45 |
| 7 | 559.13 | 558.30 | 559.14 | 558.89 | 558.81 | 559.08 | 559.41 | 559.27 | 559.30 | 559.20 | 559.53 | 559.46 |
| 8 | 559.02 | 558.54 | 559.28 | 558.98 | 558.85 | 559.09 | 559.31 | 559.27 | 559.34 | 559.27 | 559.14 | 559.44 |
| 9 | 559.19 | 558.70 | 559.27 | 558.92 | 559.03 | 559.14 | 559.41 | 559.26 | 559.25 | 559.46 | 559.34 | 559.44 |
| 10 | 558.98 | 558.46 | 558.81 | 559.00 | 559.16 | 559.20 | 559.39 | 559.33 | 559.56 | 559.36 | 559.68 | 559.45 |
| 11 | 559.09 | 558.23 | 558.53 | 558.95 | 558.94 | 559.07 | 559.38 | 559.27 | 559.59 | 559.25 | 559.90 | 559.13 |
| 12 | 559.08 | 558.04 | 558.77 | 559.06 | 559.14 | 559.07 | 559.45 | 559.21 | 559.36 | 559.50 | 559.67 | 559.29 |
| 13 | 559.09 | 558.42 | 558.37 | 559.08 | 559.08 | 559.11 | 559.58 | 559.14 | 559.33 | 559.52 | 560.14 | 559.29 |
| 14 | 559.32 | 558.53 | 558.41 | 559.09 | 559.06 | 559.02 | 559.47 | 559.13 | 559.35 | 559.25 | 560.01 | 559.36 |
| 15 | 559.04 | 558.63 | 558.41 | 559.15 | 558.78 | 558.89 | 559.54 | 559.25 | 559.32 | 559.18 | 560.04 | 559.42 |
| 16 | 559.33 | 558.96 | 558.66 | 559.18 | 559.04 | 559.00 | 559.46 | 559.38 | 559.34 | 559.59 | 559.91 | 559.46 |
| 17 | 559.66 | 558.91 | 558.78 | 559.36 | 559.09 | 559.20 | 559.60 | 559.27 | 559.51 | 559.67 | 559.84 | 559.47 |
| 18 | 559.80 | 558.96 | 558.95 | 559.29 | 559.00 | 559.30 | 559.51 | 559.23 | 559.53 | 559.19 | 559.50 | 559.49 |
| 19 | 558.62 | 559.05 | 558.98 | 559.19 | 559.08 | 559.31 | 559.42 | 559.34 | 559.58 | 559.16 | 559.51 | 559.57 |
| 20 | 558.40 | 558.98 | 559.05 | 559.18 | 559.06 | 559.36 | 559.89 | 559.27 | 559.32 | 559.17 | 559.42 | 559.59 |
| 21 | 558.60 | 559.11 | 559.08 | 559.10 | 559.11 | 559.44 | 559.38 | 559.28 | 559.54 | 559.34 | 559.60 | 559.51 |
| 22 | 558.25 | 559.08 | 558.89 | 559.17 | 559.06 | 559.40 | 559.24 | 559.28 | 559.56 | 559.26 | 559.22 | 559.50 |
| 23 | 558.61 | 559.03 | 559.11 | 559.19 | 559.05 | 559.29 | 559.15 | 559.29 | 559.41 | 559.21 | 559.60 | 559.47 |
| 24 | 559.30 | 558.91 | 559.26 | 559.34 | 559.02 | 559.28 | 559.33 | 559.30 | 559.25 | 559.31 | 559.62 | 559.48 |
| 25 | 558.32 | 558.96 | 559.21 | 559.27 | 559.30 | 559.27 | 559.47 | 559.31 | 559.25 | 559.22 | 559.58 | 559.58 |
| 26 | 558.32 | 558.91 | 559.19 | 559.18 | 559.16 | 559.29 | 559.46 | 559.37 | 559.25 | 559.24 | 559.59 | 560.05 |
| 27 | 558.27 | 559.02 | 559.22 | 559.38 | 559.11 | 559.31 | 559.40 | 559.32 | 559.84 | 559.11 | 559.60 | 559.39 |
| 28 | 558.28 | 558.91 | 559.49 | 559.10 | 559.15 | 559.22 | 559.34 | 559.40 | 559.58 | 559.19 | 559.55 | 559.47 |
| 29 | 558.48 | 558.54 | 559.27 | 559.05 | 559.04 | 559.20 | 559.34 | 560.04 | 559.35 | 559.19 | 559.58 | 559.47 |
| 30 | 558.28 | | 559.20 | 559.03 | 559.07 | 559.19 | 559.18 | 559.80 | 559.22 | 559.19 | 559.59 | 559.44 |
| 31 | 557.82 | | 559.19 | | 559.07 | | 559.17 | 559.87 | | 559.12 | | 559.54 |
| Mean | 558.86 | 558.61 | 558.97 | 559.13 | 559.06 | 559.17 | 559.39 | 559.36 | 559.39 | 559.29 | 559.64 | 559.48 |
| Max.
Hr.
Day | 560.13
1500
18 | 559.36
0800
21 | 559.63
2200
10 | 560.06
0700
27 | 559.84
0700
10 | 560.04
0700
21 | 560.36
0700
20 | 560.41
0800
29 | 560.31
1500
27 | 560.37
0700
17 | 560.39
2100
4 | 560.20
0700
26 |
| Min.
Hr.
Day | 557.67
1800
31 | 557.70
1100
12 | 557.84
1300
14 | 557.91
2100
29 | 557.87
2100
16 | 557.88
2100
2 | 558.11
2100
30 | 558.02
2100
6 | 558.13
2100
3 | 558.06
2000
27 | 558.64
2200
22 | 558.93
0800
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 559.20

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3012 Niagara Intake, Niagara Falls, New York on Niagara River

HIGHEST

Monthly mean elevation: 562.39 Nov
Daily mean elevation: 563.39 13 Nov
Instant/hourly elevation: 563.82 0400/13 Nov

LOWEST

Monthly mean elevation: 561.65 Feb
Daily mean elevation: 561.03 11 Feb
Instant/hourly elevation: 560.58 2200/11 Feb

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 562.85 | 562.43 | 563.36 | 562.23 | 562.17 | 562.24 | 562.76 | 562.95 | 562.75 | 562.52 | 563.39 | 563.02 |
| Day | 18 | 2 | 12 | 27 | 3 | 21 | 20 | 29 | 27 | 17 | 13 | 26 |
| Min | 561.15 | 561.03 | 561.44 | 561.67 | 561.51 | 561.62 | 561.82 | 561.96 | 561.96 | 561.79 | 561.35 | 561.72 |
| Day | 22 | 11 | 22 | 7 | 15 | 15 | 2 | 14 | 30 | 4 | 1 | 11 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 563.20 | | | 1 | | | | | | | | 1 | | 563.20 | 2 |
| 563.00 | | | | | | | | | | | | 1 | 563.00 | 3 |
| 562.80 | 2 | | 1 | | | | | 1 | | | 4 | | 562.80 | 11 |
| 562.60 | | | | | | | 1 | 2 | 1 | | 5 | 1 | 562.60 | 21 |
| 562.40 | 1 | 1 | 1 | | | | 1 | | 3 | 3 | 5 | 2 | 562.40 | 38 |
| 562.20 | 1 | | 2 | 1 | | 1 | 10 | 6 | 5 | 4 | 7 | 16 | 562.20 | 91 |
| 562.00 | 8 | 2 | 4 | 6 | 3 | 8 | 12 | 20 | 15 | 5 | 3 | 8 | 562.00 | 185 |
| 561.80 | 2 | 3 | 10 | 18 | 18 | 16 | 7 | 2 | 6 | 18 | 2 | 2 | 561.80 | 289 |
| 561.60 | 12 | 8 | 7 | 5 | 7 | 5 | | | | 1 | 2 | 1 | 561.60 | 337 |
| 561.40 | 2 | 12 | 5 | | 3 | | | | | | | | 561.40 | 359 |
| 561.20 | 1 | 1 | | | | | | | | | 1 | | 561.20 | 362 |
| 561.00 | 2 | 2 | | | | | | | | | | | 561.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3012 Niagara Intake, Niagara Falls, New York on Niagara River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 561.66 | 562.14 | 562.40 | 561.99 | 561.81 | 561.63 | 561.87 | 562.26 | 562.15 | 562.04 | 561.35 | 562.60 |
| 2 | 561.65 | 562.43 | 561.56 | 562.13 | 561.97 | 561.74 | 561.82 | 562.34 | 562.03 | 562.51 | 561.65 | 562.22 |
| 3 | 561.61 | 561.91 | 561.59 | 562.08 | 562.17 | 561.89 | 561.93 | 562.19 | 561.98 | 562.34 | 562.79 | 562.23 |
| 4 | 561.69 | 561.77 | 561.61 | 561.87 | 562.01 | 561.90 | 562.13 | 562.33 | 562.12 | 561.79 | 562.80 | 562.23 |
| 5 | 561.73 | 561.62 | 561.64 | 561.94 | 561.79 | 561.91 | 562.23 | 562.22 | 562.07 | 561.90 | 562.81 | 562.27 |
| 6 | 561.81 | 561.65 | 561.50 | 561.81 | 561.55 | 561.95 | 562.10 | 562.12 | 562.12 | 561.97 | 562.92 | 562.31 |
| 7 | 561.77 | 561.43 | 561.79 | 561.67 | 561.58 | 561.86 | 562.14 | 562.17 | 562.05 | 561.90 | 562.19 | 562.27 |
| 8 | 561.61 | 561.83 | 561.93 | 561.75 | 561.61 | 561.89 | 562.03 | 562.13 | 562.10 | 561.98 | 561.67 | 562.17 |
| 9 | 561.87 | 562.17 | 561.96 | 561.71 | 561.81 | 561.92 | 562.17 | 562.13 | 561.98 | 562.26 | 561.96 | 562.15 |
| 10 | 561.58 | 561.56 | 561.77 | 561.76 | 561.98 | 561.99 | 562.13 | 562.23 | 562.41 | 562.16 | 562.41 | 562.17 |
| 11 | 561.72 | 561.03 | 562.90 | 561.71 | 561.70 | 561.83 | 562.12 | 562.16 | 562.40 | 562.02 | 562.70 | 561.72 |
| 12 | 561.70 | 561.14 | 563.36 | 561.85 | 561.91 | 561.84 | 562.22 | 562.06 | 562.11 | 562.32 | 562.43 | 561.94 |
| 13 | 561.72 | 561.52 | 562.60 | 561.89 | 561.85 | 561.89 | 562.37 | 561.97 | 562.08 | 562.34 | 563.39 | 561.94 |
| 14 | 562.08 | 561.48 | 562.09 | 561.91 | 561.81 | 561.79 | 562.25 | 561.96 | 562.09 | 561.98 | 562.85 | 562.05 |
| 15 | 561.68 | 561.34 | 562.05 | 561.96 | 561.51 | 561.62 | 562.33 | 562.07 | 562.06 | 561.89 | 562.89 | 562.13 |
| 16 | 562.11 | 561.57 | 562.01 | 561.98 | 561.82 | 561.75 | 562.25 | 562.21 | 562.07 | 562.50 | 562.71 | 562.22 |
| 17 | 562.56 | 561.46 | 562.10 | 562.19 | 561.88 | 561.95 | 562.42 | 562.07 | 562.30 | 562.52 | 562.61 | 562.24 |
| 18 | 562.85 | 561.52 | 561.73 | 562.07 | 561.77 | 562.08 | 562.30 | 562.04 | 562.32 | 561.93 | 562.18 | 562.24 |
| 19 | 561.52 | 561.63 | 561.56 | 561.98 | 561.86 | 562.09 | 562.21 | 562.15 | 562.34 | 561.89 | 562.21 | 562.32 |
| 20 | 561.18 | 561.53 | 561.89 | 561.98 | 561.82 | 562.15 | 562.76 | 562.09 | 562.02 | 561.89 | 562.08 | 562.43 |
| 21 | 561.67 | 561.78 | 561.75 | 561.91 | 561.87 | 562.24 | 562.13 | 562.07 | 562.32 | 562.10 | 562.34 | 562.26 |
| 22 | 561.15 | 561.66 | 561.44 | 562.00 | 561.80 | 562.18 | 561.98 | 562.06 | 562.42 | 561.99 | 561.81 | 562.30 |
| 23 | 561.33 | 561.59 | 561.80 | 562.00 | 561.82 | 562.03 | 561.90 | 562.07 | 562.18 | 561.94 | 562.35 | 562.29 |
| 24 | 562.82 | 561.54 | 561.96 | 562.18 | 561.76 | 562.01 | 562.10 | 562.07 | 561.99 | 562.08 | 562.40 | 562.30 |
| 25 | 562.03 | 561.59 | 561.86 | 562.08 | 562.06 | 562.00 | 562.24 | 562.06 | 561.97 | 561.96 | 562.31 | 562.69 |
| 26 | 562.18 | 561.58 | 561.83 | 561.98 | 561.94 | 562.02 | 562.22 | 562.13 | 561.98 | 561.98 | 562.41 | 563.02 |
| 27 | 562.10 | 561.73 | 561.91 | 562.23 | 561.87 | 562.05 | 562.18 | 562.07 | 562.75 | 561.85 | 562.40 | 562.08 |
| 28 | 562.19 | 561.87 | 562.27 | 561.90 | 561.89 | 561.95 | 562.10 | 562.17 | 562.46 | 561.91 | 562.26 | 562.20 |
| 29 | 562.20 | 561.69 | 561.93 | 561.83 | 561.79 | 561.91 | 562.10 | 562.95 | 562.18 | 561.91 | 562.41 | 562.21 |
| 30 | 562.38 | | 561.84 | 561.82 | 561.84 | 561.89 | 561.94 | 562.67 | 561.96 | 561.91 | 562.44 | 562.17 |
| 31 | 562.17 | | 561.84 | | 561.84 | | 561.93 | 562.79 | | 561.82 | | 562.37 |
| Mean | 561.88 | 561.65 | 561.95 | 561.94 | 561.83 | 561.93 | 562.15 | 562.19 | 562.17 | 562.05 | 562.39 | 562.25 |
| Max.
Hr.
Day | 563.40
1500
18 | 562.83
1600
2 | 563.47
1400
12 | 563.06
0700
27 | 562.82
0700
10 | 562.93
0700
21 | 563.34
0700
20 | 563.62
0700
31 | 563.50
1400
27 | 563.48
2400
16 | 563.82
0400
13 | 563.52
2100
25 |
| Min.
Hr.
Day | 560.76
1100
20 | 560.58
2200
11 | 561.17
1800
22 | 560.64
2100
29 | 560.62
2100
16 | 560.62
2100
12 | 560.78
2100
2 | 560.82
2100
27 | 560.93
2100
13 | 560.81
1900
15 | 561.06
2200
22 | 561.45
1400
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 562.03

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3020 Buffalo Harbor, Buffalo, New York on Lake Erie

HIGHEST

Monthly mean elevation: 572.57 Aug
Daily mean elevation: 574.62 13 Nov
Instant/hourly elevation: 578.61 2400/12 Nov

LOWEST

Monthly mean elevation: 571.23 Feb
Daily mean elevation: 570.66 24 Feb
Instant/hourly elevation: 569.52 0600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 572.74 | 571.72 | 572.53 | 572.22 | 572.54 | 572.37 | 572.70 | 573.33 | 573.31 | 573.57 | 574.62 | 574.13 |
| Day | 24     | 27     | 12     | 27     | 2      | 19     | 29     | 30     | 27     | 16     | 13     | 25     |
| Min | 570.72 | 570.66 | 570.74 | 571.40 | 571.75 | 571.65 | 571.65 | 572.00 | 572.08 | 571.46 | 570.80 | 571.44 |
| Day | 22     | 24     | 2      | 15     | 24     | 15     | 2      | 15     | 24     | 31     | 1      | 11     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 574.60 | | | | | | | | | | | 1 | | 574.60 | 1 |
| 574.40 | | | | | | | | | | | | | 574.40 | 1 |
| 574.20 | | | | | | | | | | | | | 574.20 | 1 |
| 574.00 | | | | | | | | | | | | 1 | 574.00 | 2 |
| 573.80 | | | | | | | | | | | | | 573.80 | 2 |
| 573.60 | | | | | | | | | | | | | 573.60 | 2 |
| 573.40 | | | | | | | | | | 1 | | | 573.40 | 3 |
| 573.20 | | | | | | | | 2 | 1 | | | 2 | 573.20 | 8 |
| 573.00 | | | | | | | | | 1 | 1 | 3 | 1 | 573.00 | 14 |
| 572.80 | | | | | | | | 3 | 3 | 1 | 4 | 4 | 572.80 | 26 |
| 572.60 | 2 | | | | | | 5 | 8 | 4 | 3 | 2 | 4 | 572.60 | 54 |
| 572.40 | | | 1 | | 1 | | 4 | 11 | 11 | 3 | 6 | 4 | 572.40 | 95 |
| 572.20 | 1 | | 1 | 2 | 4 | 10 | 11 | 5 | 9 | 3 | 4 | 4 | 572.20 | 149 |
| 572.00 | | | 1 | 7 | 20 | 17 | 9 | 1 | 1 | 9 | 5 | 7 | 572.00 | 226 |
| 571.80 | 2 | | 4 | 7 | 5 | 1 | 1 | 1 | | 7 | 4 | 3 | 571.80 | 261 |
| 571.60 | 1 | 2 | 9 | 10 | 1 | 2 | 1 | | | 2 | 3 | | 571.60 | 292 |
| 571.40 | 3 | 6 | 5 | 3 | | | | | | 1 | | 1 | 571.40 | 311 |
| 571.20 | 9 | 5 | 2 | 1 | | | | | | | | | 571.20 | 328 |
| 571.00 | 8 | 10 | 6 | | | | | | | | | | 571.00 | 352 |
| 570.80 | 4 | 5 | 1 | | | | | | | | | | 570.80 | 362 |
| 570.60 | 1 | 1 | 1 | | | | | | | | 1 | | 570.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3020 Buffalo Harbor, Buffalo, New York on Lake Erie

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 571.01 | 571.09 | 571.83 | 571.92 | 572.20 | 572.21 | 571.84 | 572.84 | 572.48 | 572.50 | 570.80 | 572.74 |
| 2 | 570.90 | 571.16 | 570.74 | 572.03 | 572.54 | 572.19 | 571.65 | 572.75 | 572.24 | 573.01 | 571.65 | 572.59 |
| 3 | 570.87 | 570.96 | 571.09 | 571.97 | 572.30 | 572.12 | 572.27 | 572.64 | 572.63 | 572.72 | 572.17 | 572.89 |
| 4 | 571.03 | 571.44 | 571.11 | 571.80 | 572.29 | 572.03 | 572.27 | 572.71 | 572.21 | 572.21 | 571.74 | 572.70 |
| 5 | 571.02 | 571.11 | 571.08 | 571.87 | 572.14 | 572.02 | 572.39 | 572.64 | 572.21 | 571.91 | 572.22 | 573.21 |
| 6 | 571.33 | 571.07 | 570.84 | 571.69 | 572.07 | 572.18 | 572.23 | 572.47 | 572.40 | 572.08 | 572.22 | 573.36 |
| 7 | 571.31 | 571.15 | 571.36 | 571.81 | 572.12 | 572.17 | 572.09 | 572.42 | 572.42 | 572.06 | 571.79 | 573.00 |
| 8 | 570.81 | 571.25 | 571.49 | 571.72 | 571.86 | 572.22 | 572.19 | 572.69 | 572.69 | 572.11 | 571.91 | 572.33 |
| 9 | 571.59 | 571.36 | 571.39 | 571.68 | 572.15 | 572.19 | 572.37 | 572.69 | 572.44 | 572.71 | 571.97 | 572.00 |
| 10 | 571.29 | 571.07 | 571.76 | 571.44 | 572.19 | 572.18 | 572.23 | 572.62 | 573.03 | 572.44 | 572.23 | 572.06 |
| 11 | 571.38 | 571.28 | 572.25 | 571.66 | 572.11 | 572.12 | 572.12 | 572.59 | 572.43 | 572.40 | 572.15 | 571.44 |
| 12 | 571.31 | 570.90 | 572.53 | 571.77 | 572.11 | 572.15 | 572.21 | 572.47 | 572.44 | 572.87 | 572.47 | 571.95 |
| 13 | 571.12 | 571.05 | 572.07 | 571.57 | 572.24 | 572.22 | 572.28 | 572.24 | 572.37 | 572.78 | 574.62 | 571.99 |
| 14 | 571.65 | 571.11 | 571.90 | 571.66 | 572.17 | 572.13 | 572.33 | 572.05 | 572.47 | 571.90 | 572.93 | 572.12 |
| 15 | 571.15 | 570.94 | 571.61 | 571.40 | 572.07 | 571.65 | 572.20 | 572.00 | 572.51 | 572.07 | 572.56 | 572.15 |
| 16 | 571.99 | 571.69 | 571.58 | 571.66 | 572.03 | 571.79 | 572.26 | 572.43 | 572.53 | 573.57 | 572.52 | 572.52 |
| 17 | 572.61 | 571.01 | 571.78 | 571.71 | 572.24 | 572.05 | 572.50 | 572.51 | 572.74 | 572.56 | 572.19 | 572.50 |
| 18 | 572.39 | 570.98 | 571.02 | 571.55 | 572.06 | 572.29 | 572.54 | 572.66 | 572.83 | 572.31 | 572.12 | 572.21 |
| 19 | 571.93 | 571.47 | 571.18 | 571.69 | 571.99 | 572.37 | 572.57 | 572.57 | 572.52 | 572.21 | 571.86 | 572.38 |
| 20 | 571.42 | 571.37 | 571.59 | 571.81 | 572.08 | 572.30 | 572.69 | 572.51 | 572.36 | 572.20 | 571.97 | 573.00 |
| 21 | 571.50 | 571.56 | 571.53 | 571.92 | 572.06 | 572.33 | 572.36 | 572.43 | 572.59 | 572.11 | 572.41 | 572.29 |
| 22 | 570.72 | 571.20 | 571.17 | 572.15 | 572.10 | 572.35 | 572.13 | 572.34 | 572.86 | 571.96 | 571.66 | 572.79 |
| 23 | 571.32 | 570.96 | 571.71 | 571.91 | 572.18 | 571.96 | 572.09 | 572.34 | 572.38 | 572.13 | 572.67 | 573.01 |
| 24 | 572.74 | 570.66 | 571.62 | 572.15 | 571.75 | 572.32 | 572.19 | 572.35 | 572.08 | 572.12 | 572.19 | 572.80 |
| 25 | 570.99 | 571.31 | 571.65 | 572.18 | 571.90 | 572.10 | 572.45 | 572.44 | 572.34 | 571.98 | 572.23 | 574.13 |
| 26 | 571.22 | 571.59 | 571.54 | 572.16 | 572.04 | 572.14 | 572.63 | 572.46 | 572.36 | 572.19 | 573.14 | 572.93 |
| 27 | 571.05 | 571.72 | 571.91 | 572.22 | 572.20 | 572.29 | 572.62 | 572.30 | 573.31 | 572.00 | 572.74 | 572.09 |
| 28 | 571.02 | 571.49 | 571.97 | 572.21 | 572.13 | 572.14 | 572.64 | 572.92 | 572.88 | 571.96 | 572.52 | 572.10 |
| 29 | 571.39 | 571.59 | 571.76 | 572.17 | 571.97 | 572.15 | 572.70 | 573.30 | 572.62 | 571.97 | 573.12 | 572.10 |
| 30 | 571.30 | | 571.64 | 572.20 | 571.98 | 572.06 | 572.09 | 573.33 | 572.42 | 571.75 | 573.17 | 572.09 |
| 31 | 571.15 | | 571.72 | | 572.19 | | 572.18 | 572.88 | | 571.46 | | 572.54 |
| Mean | 571.37 | 571.23 | 571.56 | 571.86 | 572.11 | 572.15 | 572.30 | 572.57 | 572.53 | 572.25 | 572.36 | 572.52 |
| Max.
Hr.
Day | 574.57
0200
24 | 572.80
0600
21 | 573.74
1700
10 | 572.99
0300
22 | 573.37
2000
2 | 573.11
0900
24 | 573.42
0200
13 | 574.24
2100
28 | 576.00
1200
27 | 575.86
1600
16 | 578.61
2400
12 | 576.67
1600
25 |
| Min.
Hr.
Day | 569.52
0600
14 | 570.14
0800
15 | 569.96
0700
2 | 570.54
0100
11 | 571.09
0900
24 | 571.24
2400
23 | 571.03
0200
31 | 571.83
1300
15 | 571.79
2300
8 | 571.22
0500
4 | 570.25
2300
1 | 570.94
1200
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.07

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3028 Sturgeon Point, New York on Lake Erie

HIGHEST

Monthly mean elevation: 572.52 Aug
Daily mean elevation: 574.21 13 Nov
Instant/hourly elevation: 577.81 2400/12 Nov

LOWEST

Monthly mean elevation: 571.23 Feb
Daily mean elevation: 570.74 24 Feb
Instant/hourly elevation: 569.77 0600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 572.55 | 571.69 | 572.31 | 572.20 | 572.47 | 572.30 | 572.65 | 573.12 | 573.12 | 573.36 | 574.21 | 573.74 |
| Day | 24     | 16     | 12     | 27     | 2      | 24     | 29     | 30     | 27     | 16     | 13     | 25     |
| Min | 570.77 | 570.74 | 570.86 | 571.44 | 571.83 | 571.68 | 571.66 | 572.00 | 572.11 | 571.50 | 570.89 | 571.59 |
| Day | 22     | 24     | 2      | 15     | 24     | 15     | 2      | 15     | 24     | 31     | 1      | 11     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 574.20 | | | | | | | | | | | 1 | | 574.20 | 1 |
| 574.00 | | | | | | | | | | | | | 574.00 | 1 |
| 573.80 | | | | | | | | | | | | | 573.80 | 1 |
| 573.60 | | | | | | | | | | | | 1 | 573.60 | 2 |
| 573.40 | | | | | | | | | | | | | 573.40 | 2 |
| 573.20 | | | | | | | | | | 1 | | | 573.20 | 3 |
| 573.00 | | | | | | | | 2 | 1 | | 1 | 2 | 573.00 | 9 |
| 572.80 | | | | | | | | 1 | 3 | 1 | 2 | 4 | 572.80 | 20 |
| 572.60 | | | | | | | 2 | 8 | 2 | 4 | 3 | 5 | 572.60 | 44 |
| 572.40 | 1 | | | | 1 | | 6 | 9 | 12 | 2 | 4 | 4 | 572.40 | 83 |
| 572.20 | 1 | | 2 | | 3 | 6 | 9 | 9 | 10 | 4 | 4 | 4 | 572.20 | 135 |
| 572.00 | 1 | | | 8 | 21 | 20 | 12 | 1 | 2 | 9 | 8 | 8 | 572.00 | 225 |
| 571.80 | 1 | | 5 | 6 | 6 | 2 | 1 | 1 | | 7 | 4 | 2 | 571.80 | 260 |
| 571.60 | 1 | 2 | 10 | 12 | | 2 | 1 | | | 2 | 2 | | 571.60 | 292 |
| 571.40 | 4 | 6 | 4 | 4 | | | | | | 1 | | 1 | 571.40 | 312 |
| 571.20 | 9 | 6 | 4 | | | | | | | | | | 571.20 | 331 |
| 571.00 | 8 | 9 | 4 | | | | | | | | | | 571.00 | 352 |
| 570.80 | 4 | 5 | 2 | | | | | | | | 1 | | 570.80 | 364 |
| 570.60 | 1 | 1 | | | | | | | | | | | 570.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3028 Sturgeon Point, New York on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 570.98 | 571.10 | 571.84 | 571.89 | 572.20 | 572.19 | 571.85 | 572.78 | 572.45 | 572.46 | 570.89 | 572.68 |
| 2 | 570.91 | 571.17 | 570.86 | 571.98 | 572.47 | 572.16 | 571.66 | 572.67 | 572.22 | 572.83 | 571.61 | 572.55 |
| 3 | 570.86 | 570.97 | 571.12 | 571.90 | 572.28 | 572.09 | 572.21 | 572.62 | 572.56 | 572.62 | 572.11 | 572.84 |
| 4 | 571.01 | 571.44 | 571.12 | 571.78 | 572.26 | 572.02 | 572.19 | 572.69 | 572.21 | 571.77 | 572.52 | 572.65 |
| 5 | 571.01 | 571.12 | 571.11 | 571.84 | 572.15 | 572.03 | 572.32 | 572.57 | 572.20 | 571.94 | 572.20 | 573.17 |
| 6 | 571.28 | 571.08 | 570.88 | 571.66 | 572.09 | 572.15 | 572.19 | 572.42 | 572.34 | 572.08 | 572.20 | 573.10 |
| 7 | 571.25 | 571.15 | 571.35 | 571.78 | 572.12 | 572.14 | 572.05 | 572.38 | 572.39 | 572.07 | 571.82 | 572.89 |
| 8 | 570.82 | 571.25 | 571.46 | 571.71 | 571.90 | 572.19 | 572.14 | 572.61 | 572.60 | 572.11 | 571.90 | 572.34 |
| 9 | 571.45 | 571.35 | 571.37 | 571.68 | 572.13 | 572.15 | 572.27 | 572.64 | 572.33 | 572.64 | 571.94 | 572.00 |
| 10 | 571.25 | 571.06 | 571.69 | 571.47 | 572.17 | 572.15 | 572.18 | 572.58 | 572.91 | 572.38 | 572.18 | 572.07 |
| 11 | 571.35 | 571.29 | 572.21 | 571.66 | 572.11 | 572.10 | 572.07 | 572.52 | 572.43 | 572.38 | 572.10 | 571.59 |
| 12 | 571.24 | 570.91 | 572.31 | 571.79 | 572.10 | 572.12 | 572.18 | 572.45 | 572.41 | 572.74 | 572.37 | 572.02 |
| 13 | 571.07 | 571.06 | 572.00 | 571.58 | 572.21 | 572.17 | 572.25 | 572.25 | 572.35 | 572.63 | 574.21 | 572.00 |
| 14 | 571.60 | 571.11 | 571.87 | 571.65 | 572.16 | 572.12 | 572.27 | 572.04 | 572.43 | 571.91 | 572.77 | 572.12 |
| 15 | 571.17 | 570.97 | 571.64 | 571.44 | 572.06 | 571.68 | 572.19 | 572.00 | 572.46 | 572.11 | 572.53 | 572.15 |
| 16 | 571.87 | 571.69 | 571.61 | 571.65 | 572.03 | 571.79 | 572.22 | 572.40 | 572.49 | 573.36 | 572.48 | 572.43 |
| 17 | 572.31 | 571.03 | 571.77 | 571.71 | 572.20 | 571.97 | 572.47 | 572.45 | 572.66 | 572.46 | 572.19 | 572.47 |
| 18 | 572.19 | 570.99 | 571.07 | 571.56 | 572.08 | 572.20 | 572.51 | 572.62 | 572.78 | 572.27 | 572.15 | 572.21 |
| 19 | 571.79 | 571.47 | 571.25 | 571.66 | 571.99 | 572.30 | 572.51 | 572.54 | 572.47 | 572.23 | 571.90 | 572.33 |
| 20 | 571.42 | 571.37 | 571.58 | 571.79 | 572.07 | 572.28 | 572.64 | 572.47 | 572.34 | 572.15 | 572.01 | 572.91 |
| 21 | 571.47 | 571.58 | 571.53 | 571.86 | 572.05 | 572.29 | 572.38 | 572.40 | 572.56 | 572.11 | 572.36 | 572.25 |
| 22 | 570.77 | 571.22 | 571.23 | 572.12 | 572.08 | 572.29 | 572.14 | 572.32 | 572.82 | 571.96 | 571.70 | 572.66 |
| 23 | 571.33 | 570.99 | 571.68 | 571.90 | 572.15 | 571.93 | 572.15 | 572.31 | 572.40 | 572.10 | 572.66 | 572.89 |
| 24 | 572.55 | 570.74 | 571.62 | 572.13 | 571.83 | 572.30 | 572.21 | 572.35 | 572.11 | 572.12 | 572.22 | 572.75 |
| 25 | 571.01 | 571.30 | 571.65 | 572.15 | 571.93 | 572.08 | 572.39 | 572.40 | 572.34 | 572.00 | 572.25 | 573.74 |
| 26 | 571.22 | 571.54 | 571.54 | 572.16 | 572.05 | 572.10 | 572.59 | 572.42 | 572.35 | 572.13 | 573.03 | 572.79 |
| 27 | 571.05 | 571.68 | 571.89 | 572.20 | 572.16 | 572.24 | 572.58 | 572.32 | 573.12 | 571.98 | 572.68 | 572.06 |
| 28 | 571.05 | 571.52 | 571.96 | 572.19 | 572.09 | 572.09 | 572.59 | 572.83 | 572.82 | 571.95 | 572.53 | 572.07 |
| 29 | 571.38 | 571.58 | 571.73 | 572.15 | 571.96 | 572.11 | 572.65 | 573.07 | 572.59 | 571.97 | 572.98 | 572.05 |
| 30 | 571.29 | | 571.65 | 572.19 | 571.97 | 572.04 | 572.08 | 573.12 | 572.42 | 571.78 | 572.96 | 572.10 |
| 31 | 571.15 | | 571.73 | | 572.18 | | 572.19 | 572.77 | | 571.50 | | 572.50 |
| Mean | 571.33 | 571.23 | 571.56 | 571.84 | 572.10 | 572.12 | 572.27 | 572.52 | 572.49 | 572.22 | 572.32 | 572.46 |
| Max.
Hr.
Day | 574.25
1600
14 | 572.67
0600
21 | 573.23
1700
10 | 572.60
0300
22 | 573.11
2000
2 | 573.07
1300
18 | 573.26
0100
13 | 573.78
2200
28 | 575.35
1200
27 | 575.29
1900
16 | 577.81
2400
12 | 575.93
1800
25 |
| Min.
Hr.
Day | 569.77
0600
14 | 570.31
0800
15 | 570.12
0900
2 | 570.59
0100
11 | 571.27
0900
24 | 571.28
0700
15 | 571.23
0200
31 | 571.84
2200
14 | 571.88
2300
8 | 571.32
0500
4 | 570.46
1700
1 | 571.25
1200
11 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.04

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3038 Erie, Pennsylvania on Lake Erie

HIGHEST

Monthly mean elevation: 572.58 Aug
Daily mean elevation: 573.42 13 Nov
Instant/hourly elevation: 575.94 0200/13 Nov

LOWEST

Monthly mean elevation: 571.27 Feb
Daily mean elevation: 570.94 22 Jan
Instant/hourly elevation: 570.36 0600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 572.06 | 571.56 | 572.15 | 572.27 | 572.41 | 572.35 | 572.64 | 572.90 | 572.93 | 572.97 | 573.42 | 573.13 |
| Day | 24 | 29 | 11 | 30 | 2 | 21 | 29 | 29 | 27 | 16 | 13 | 5 |
| Min | 570.94 | 571.04 | 571.15 | 571.63 | 572.08 | 571.90 | 571.92 | 572.29 | 572.30 | 571.75 | 571.29 | 572.08 |
| Day | 22 | 12 | 6 | 15 | 30 | 15 | 2 | 15 | 2 | 31 | 1 | 27 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 573.40 | | | | | | | | | | | 1 | | 573.40 | 1 |
| 573.20 | | | | | | | | | | | | | 573.20 | 1 |
| 573.00 | | | | | | | | | | | | 2 | 573.00 | 3 |
| 572.80 | | | | | | | | 3 | 3 | 1 | 1 | | 572.80 | 11 |
| 572.60 | | | | | | | 5 | 9 | 3 | 1 | 4 | 8 | 572.60 | 41 |
| 572.40 | | | | | 1 | | 8 | 17 | 19 | 6 | 3 | 6 | 572.40 | 101 |
| 572.20 | | | | 6 | 14 | 14 | 11 | 2 | 5 | 6 | 10 | 8 | 572.20 | 177 |
| 572.00 | 1 | | 1 | 3 | 16 | 14 | 5 | | | 14 | 8 | 7 | 572.00 | 246 |
| 571.80 | 2 | | 4 | 10 | | 2 | 2 | | | 2 | 1 | | 571.80 | 269 |
| 571.60 | 1 | | 14 | 11 | | | | | | 1 | 1 | | 571.60 | 297 |
| 571.40 | 3 | 7 | 6 | | | | | | | | | | 571.40 | 313 |
| 571.20 | 12 | 9 | 4 | | | | | | | | 1 | | 571.20 | 339 |
| 571.00 | 8 | 13 | 2 | | | | | | | | | | 571.00 | 362 |
| 570.80 | 4 | | | | | | | | | | | | 570.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3038 Erie, Pennsylvania on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 571.05 | 571.21 | 571.60 | 571.88 | 572.26 | 572.26 | 572.00 | 572.79 | 572.47 | 572.49 | 571.29 | 572.63 |
| 2 | 570.99 | 571.22 | 571.15 | 572.01 | 572.41 | 572.24 | 571.92 | 572.66 | 572.30 | 572.62 | 571.72 | 572.56 |
| 3 | 571.00 | 571.10 | 571.28 | 571.87 | 572.31 | 572.19 | 572.27 | 572.64 | 572.54 | 572.51 | 572.09 | 572.77 |
| 4 | 571.12 | 571.36 | 571.27 | 571.81 | 572.31 | 572.14 | 572.20 | 572.73 | 572.35 | 571.98 | 572.36 | 572.61 |
| 5 | 571.13 | 571.19 | 571.30 | 571.84 | 572.27 | 572.17 | 572.26 | 572.64 | 572.35 | 572.15 | 572.23 | 573.13 |
| 6 | 571.24 | 571.15 | 571.15 | 571.74 | 572.22 | 572.24 | 572.19 | 572.53 | 572.40 | 572.23 | 572.27 | 572.71 |
| 7 | 571.21 | 571.19 | 571.43 | 571.80 | 572.24 | 572.25 | 572.13 | 572.50 | 572.44 | 572.21 | 572.01 | 572.70 |
| 8 | 570.98 | 571.30 | 571.51 | 571.76 | 572.13 | 572.27 | 572.16 | 572.62 | 572.57 | 572.19 | 572.04 | 572.41 |
| 9 | 571.29 | 571.33 | 571.45 | 571.76 | 572.23 | 572.23 | 572.23 | 572.64 | 572.45 | 572.51 | 572.02 | 572.20 |
| 10 | 571.27 | 571.09 | 571.64 | 571.66 | 572.25 | 572.21 | 572.22 | 572.60 | 572.81 | 572.31 | 572.09 | 572.12 |
| 11 | 571.32 | 571.25 | 572.15 | 571.78 | 572.21 | 572.20 | 572.13 | 572.60 | 572.56 | 572.33 | 572.07 | 572.16 |
| 12 | 571.17 | 571.04 | 571.96 | 571.82 | 572.21 | 572.19 | 572.21 | 572.56 | 572.54 | 572.60 | 572.21 | 572.26 |
| 13 | 571.07 | 571.15 | 571.85 | 571.72 | 572.26 | 572.20 | 572.28 | 572.44 | 572.49 | 572.46 | 573.42 | 572.23 |
| 14 | 571.57 | 571.16 | 571.75 | 571.75 | 572.23 | 572.21 | 572.35 | 572.31 | 572.53 | 572.03 | 572.60 | 572.27 |
| 15 | 571.41 | 571.07 | 571.74 | 571.63 | 572.18 | 571.90 | 572.34 | 572.29 | 572.55 | 572.18 | 572.53 | 572.28 |
| 16 | 571.70 | 571.53 | 571.62 | 571.77 | 572.12 | 571.99 | 572.36 | 572.57 | 572.55 | 572.97 | 572.39 | 572.36 |
| 17 | 571.90 | 571.14 | 571.64 | 571.82 | 572.20 | 572.10 | 572.51 | 572.56 | 572.59 | 572.42 | 572.33 | 572.45 |
| 18 | 571.84 | 571.14 | 571.29 | 571.72 | 572.18 | 572.19 | 572.54 | 572.62 | 572.67 | 572.29 | 572.28 | 572.32 |
| 19 | 571.52 | 571.42 | 571.49 | 571.81 | 572.12 | 572.32 | 572.53 | 572.56 | 572.56 | 572.31 | 572.13 | 572.30 |
| 20 | 571.32 | 571.40 | 571.63 | 571.90 | 572.17 | 572.35 | 572.64 | 572.52 | 572.46 | 572.14 | 572.15 | 572.74 |
| 21 | 571.34 | 571.49 | 571.61 | 571.96 | 572.16 | 572.35 | 572.49 | 572.48 | 572.58 | 572.17 | 572.23 | 572.31 |
| 22 | 570.94 | 571.31 | 571.48 | 572.14 | 572.17 | 572.26 | 572.37 | 572.44 | 572.82 | 572.09 | 572.00 | 572.52 |
| 23 | 571.22 | 571.18 | 571.73 | 571.99 | 572.20 | 572.06 | 572.44 | 572.45 | 572.59 | 572.09 | 572.63 | 572.65 |
| 24 | 572.06 | 571.08 | 571.66 | 572.17 | 572.11 | 572.32 | 572.46 | 572.45 | 572.37 | 572.17 | 572.38 | 572.74 |
| 25 | 571.15 | 571.38 | 571.67 | 572.22 | 572.13 | 572.17 | 572.54 | 572.49 | 572.51 | 572.13 | 572.40 | 573.05 |
| 26 | 571.21 | 571.51 | 571.63 | 572.23 | 572.19 | 572.16 | 572.64 | 572.49 | 572.54 | 572.12 | 572.87 | 572.60 |
| 27 | 571.13 | 571.52 | 571.90 | 572.26 | 572.22 | 572.24 | 572.61 | 572.42 | 572.93 | 572.04 | 572.64 | 572.08 |
| 28 | 571.14 | 571.47 | 571.93 | 572.27 | 572.19 | 572.17 | 572.61 | 572.83 | 572.76 | 572.03 | 572.59 | 572.11 |
| 29 | 571.26 | 571.56 | 571.75 | 572.23 | 572.08 | 572.17 | 572.64 | 572.90 | 572.65 | 572.03 | 572.78 | 572.15 |
| 30 | 571.22 | | 571.71 | 572.27 | 572.08 | 572.15 | 572.25 | 572.81 | 572.51 | 571.94 | 572.74 | 572.19 |
| 31 | 571.23 | | 571.77 | | 572.26 | | 572.47 | 572.65 | | 571.75 | | 572.49 |
| Mean | 571.29 | 571.27 | 571.60 | 571.92 | 572.20 | 572.19 | 572.36 | 572.58 | 572.55 | 572.24 | 572.32 | 572.45 |
| Max. | 573.65 | 572.13 | 572.64 | 572.51 | 572.71 | 572.78 | 572.97 | 573.37 | 574.05 | 574.49 | 575.94 | 574.55 |
| Hr. | 1500 | 0500 | 1900 | 1800 | 1300 | 0600 | 1900 | 2300 | 1300 | 1800 | 0200 | 1700 |
| Day | 14 | 21 | 11 | 24 | 3 | 24 | 20 | 28 | 27 | 16 | 13 | 25 |
| Min. | 570.36 | 570.68 | 570.53 | 571.10 | 571.73 | 571.57 | 571.67 | 572.13 | 572.06 | 571.59 | 570.96 | 571.63 |
| Hr. | 0600 | 1000 | 0800 | 0300 | 0800 | 0900 | 2400 | 1000 | 1900 | 2200 | 1700 | 1000 |
| Day | 14 | 15 | 2 | 11 | 24 | 18 | 30 | 15 | 2 | 14 | 1 | 10 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.08

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3053 Fairport, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 572.60 Aug
Daily mean elevation: 572.86 31 Jul
Instant/hourly elevation: 573.41 2100/12 Nov

LOWEST

Monthly mean elevation: 571.18 Jan
Daily mean elevation: 571.06 12 Jan
Instant/hourly elevation: 570.73 1600/9 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 571.57 | 571.53 | 571.82 | 572.33 | 572.41 | 572.34 | 572.86 | 572.72 | 572.78 | 572.47 | 572.58 | 572.65 |
| Day | 14 | 29 | 27 | 30 | 24 | 20 | 31 | 4 | 23 | 1 | 28 | 11 |
| Min | 571.06 | 571.13 | 571.34 | 571.81 | 572.21 | 572.15 | 572.16 | 572.43 | 572.44 | 572.05 | 572.01 | 572.07 |
| Day | 12 | 10 | 1 | 7 | 30 | 18 | 8 | 30 | 2 | 26 | 10 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 572.80 | | | | | | | 1 | | | | | | 572.80 | 1 |
| 572.60 | | | | | | | 9 | 19 | 10 | | | 2 | 572.60 | 41 |
| 572.40 | | | | | 1 | | 7 | 12 | 20 | 2 | 11 | 7 | 572.40 | 101 |
| 572.20 | | | | 6 | 30 | 26 | 9 | | | 15 | 8 | 19 | 572.20 | 214 |
| 572.00 | | | | 7 | | 4 | 5 | | | 14 | 11 | 3 | 572.00 | 258 |
| 571.80 | | | 3 | 17 | | | | | | | | | 571.80 | 278 |
| 571.60 | | | 19 | | | | | | | | | | 571.60 | 297 |
| 571.40 | 1 | 7 | 8 | | | | | | | | | | 571.40 | 313 |
| 571.20 | 8 | 16 | 1 | | | | | | | | | | 571.20 | 338 |
| 571.00 | 22 | 6 | | | | | | | | | | | 571.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3053 Fairport, Ohio on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 571.12 | 571.30 | 571.34 | 571.86 | 572.32 | 572.30 | 572.21 | 572.70 | 572.49 | 572.47 | 572.03 | 572.48 |
| 2 | 571.13 | 571.19 | 571.54 | 571.92 | 572.29 | 572.30 | 572.22 | 572.64 | 572.44 | 572.33 | 572.06 | 572.49 |
| 3 | 571.16 | 571.23 | 571.45 | 571.83 | 572.34 | 572.29 | 572.21 | 572.66 | 572.45 | 572.37 | 572.07 | 572.52 |
| 4 | 571.18 | 571.25 | 571.48 | 571.85 | 572.34 | 572.30 | 572.19 | 572.72 | 572.53 | 572.44 | 572.08 | 572.49 |
| 5 | 571.18 | 571.23 | 571.49 | 571.85 | 572.35 | 572.33 | 572.19 | 572.67 | 572.52 | 572.40 | 572.17 | 572.62 |
| 6 | 571.13 | 571.20 | 571.52 | 571.83 | 572.35 | 572.31 | 572.22 | 572.64 | 572.48 | 572.35 | 572.22 | 572.30 |
| 7 | 571.13 | 571.21 | 571.50 | 571.81 | 572.31 | 572.33 | 572.20 | 572.65 | 572.52 | 572.32 | 572.17 | 572.38 |
| 8 | 571.16 | 571.25 | 571.54 | 571.84 | 572.34 | 572.31 | 572.16 | 572.63 | 572.52 | 572.25 | 572.14 | 572.39 |
| 9 | 571.07 | 571.14 | 571.53 | 571.82 | 572.32 | 572.29 | 572.19 | 572.63 | 572.61 | 572.24 | 572.03 | 572.34 |
| 10 | 571.19 | 571.13 | 571.68 | 571.83 | 572.29 | 572.29 | 572.23 | 572.61 | 572.60 | 572.16 | 572.01 | 572.31 |
| 11 | 571.12 | 571.25 | 571.76 | 571.94 | 572.31 | 572.29 | 572.23 | 572.66 | 572.66 | 572.30 | 572.07 | 572.65 |
| 12 | 571.06 | 571.19 | 571.62 | 571.91 | 572.31 | 572.25 | 572.22 | 572.64 | 572.62 | 572.21 | 572.25 | 572.47 |
| 13 | 571.11 | 571.21 | 571.68 | 571.87 | 572.30 | 572.24 | 572.23 | 572.68 | 572.60 | 572.13 | 572.04 | 572.41 |
| 14 | 571.57 | 571.17 | 571.63 | 571.85 | 572.29 | 572.27 | 572.28 | 572.69 | 572.57 | 572.14 | 572.36 | 572.41 |
| 15 | 571.32 | 571.25 | 571.75 | 571.85 | 572.29 | 572.23 | 572.49 | 572.63 | 572.55 | 572.22 | 572.43 | 572.34 |
| 16 | 571.30 | 571.25 | 571.63 | 571.89 | 572.28 | 572.17 | 572.53 | 572.66 | 572.53 | 572.24 | 572.27 | 572.33 |
| 17 | 571.17 | 571.30 | 571.61 | 571.97 | 572.21 | 572.18 | 572.51 | 572.62 | 572.51 | 572.26 | 572.38 | 572.36 |
| 18 | 571.25 | 571.38 | 571.66 | 572.01 | 572.29 | 572.15 | 572.59 | 572.60 | 572.53 | 572.24 | 572.42 | 572.37 |
| 19 | 571.10 | 571.32 | 571.77 | 572.03 | 572.29 | 572.31 | 572.59 | 572.64 | 572.58 | 572.31 | 572.40 | 572.31 |
| 20 | 571.19 | 571.40 | 571.67 | 572.02 | 572.24 | 572.34 | 572.59 | 572.56 | 572.57 | 572.09 | 572.39 | 572.40 |
| 21 | 571.15 | 571.38 | 571.66 | 572.06 | 572.26 | 572.32 | 572.68 | 572.55 | 572.62 | 572.18 | 572.30 | 572.33 |
| 22 | 571.21 | 571.43 | 571.80 | 572.13 | 572.23 | 572.19 | 572.63 | 572.54 | 572.75 | 572.18 | 572.48 | 572.27 |
| 23 | 571.16 | 571.45 | 571.71 | 572.16 | 572.25 | 572.22 | 572.69 | 572.54 | 572.78 | 572.08 | 572.42 | 572.32 |
| 24 | 571.21 | 571.53 | 571.68 | 572.18 | 572.41 | 572.29 | 572.69 | 572.52 | 572.70 | 572.21 | 572.54 | 572.35 |
| 25 | 571.20 | 571.46 | 571.67 | 572.29 | 572.30 | 572.25 | 572.63 | 572.50 | 572.66 | 572.15 | 572.55 | 572.07 |
| 26 | 571.21 | 571.42 | 571.76 | 572.30 | 572.27 | 572.22 | 572.63 | 572.50 | 572.67 | 572.05 | 572.51 | 572.26 |
| 27 | 571.20 | 571.38 | 571.82 | 572.33 | 572.22 | 572.27 | 572.69 | 572.53 | 572.56 | 572.07 | 572.55 | 572.16 |
| 28 | 571.24 | 571.44 | 571.81 | 572.32 | 572.23 | 572.22 | 572.63 | 572.68 | 572.61 | 572.07 | 572.58 | 572.20 |
| 29 | 571.13 | 571.53 | 571.78 | 572.29 | 572.23 | 572.22 | 572.60 | 572.53 | 572.60 | 572.07 | 572.48 | 572.21 |
| 30 | 571.12 | | 571.81 | 572.33 | 572.21 | 572.23 | 572.63 | 572.43 | 572.54 | 572.06 | 572.42 | 572.27 |
| 31 | 571.22 | | 571.80 | | 572.32 | | 572.86 | 572.50 | | 572.09 | | 572.39 |
| Mean | 571.18 | 571.31 | 571.65 | 572.00 | 572.29 | 572.26 | 572.44 | 572.60 | 572.58 | 572.22 | 572.29 | 572.36 |
| Max. | 572.70 | 571.96 | 572.21 | 572.48 | 572.62 | 572.69 | 573.07 | 572.97 | 573.26 | 572.95 | 573.41 | 572.91 |
| Hr. | 1000 | 2200 | 1500 | 0700 | 0300 | 1000 | 1000 | 1600 | 2400 | 1300 | 2100 | 0100 |
| Day | 14 | 28 | 22 | 25 | 24 | 18 | 31 | 28 | 9 | 16 | 12 | 3 |
| Min. | 570.73 | 571.02 | 571.10 | 571.36 | 571.96 | 571.54 | 571.86 | 572.29 | 572.03 | 571.56 | 571.27 | 571.35 |
| Hr. | 1600 | 2200 | 1000 | 0900 | 0500 | 0500 | 0100 | 1600 | 0500 | 0800 | 0400 | 1700 |
| Day | 9 | 10 | 1 | 11 | 1 | 18 | 13 | 30 | 10 | 14 | 13 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.10

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3063 Cleveland, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 572.53 Aug
Daily mean elevation: 572.88 31 Jul
Instant/hourly elevation: 573.78 2100/12 Nov

LOWEST

Monthly mean elevation: 571.06 Jan
Daily mean elevation: 570.83 19 Jan
Instant/hourly elevation: 570.24 1600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 571.55 | 571.57 | 571.83 | 572.26 | 572.41 | 572.28 | 572.88 | 572.72 | 572.74 | 572.47 | 572.53 | 572.63 |
| Day | 14 | 24 | 22 | 27 | 24 | 20 | 31 | 14 | 23 | 4 | 22 | 11 |
| Min | 570.83 | 571.03 | 571.13 | 571.72 | 572.15 | 572.07 | 572.06 | 572.18 | 572.35 | 571.89 | 571.58 | 571.64 |
| Day | 19 | 10 | 1 | 3 | 30 | 17 | 8 | 30 | 3 | 20 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 572.80 | | | | | | | 1 | | | | | | 572.80 | 1 |
| 572.60 | | | | | | | 6 | 7 | 4 | | | 1 | 572.60 | 19 |
| 572.40 | | | | | 1 | | 10 | 21 | 18 | 1 | 4 | 2 | 572.40 | 76 |
| 572.20 | | | | 5 | 20 | 15 | 3 | 2 | 8 | 5 | 9 | 15 | 572.20 | 158 |
| 572.00 | | | | 6 | 10 | 15 | 11 | 1 | | 13 | 10 | 12 | 572.00 | 236 |
| 571.80 | | | 1 | 9 | | | | | | 12 | 6 | | 571.80 | 264 |
| 571.60 | | | 12 | 10 | | | | | | | | 1 | 571.60 | 287 |
| 571.40 | 1 | 3 | 17 | | | | | | | | 1 | | 571.40 | 309 |
| 571.20 | 1 | 11 | | | | | | | | | | | 571.20 | 321 |
| 571.00 | 18 | 15 | 1 | | | | | | | | | | 571.00 | 355 |
| 570.80 | 11 | | | | | | | | | | | | 570.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3063 Cleveland, Ohio on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 571.07 | 571.23 | 571.13 | 571.77 | 572.21 | 572.23 | 572.22 | 572.57 | 572.40 | 572.35 | 572.20 | 572.27 |
| 2 | 571.08 | 571.06 | 571.56 | 571.83 | 572.15 | 572.23 | 572.29 | 572.52 | 572.36 | 572.14 | 572.00 | 572.33 |
| 3 | 571.14 | 571.15 | 571.45 | 571.72 | 572.28 | 572.24 | 572.13 | 572.56 | 572.35 | 572.22 | 571.90 | 572.40 |
| 4 | 571.14 | 571.09 | 571.45 | 571.76 | 572.27 | 572.23 | 572.12 | 572.63 | 572.50 | 572.47 | 571.87 | 572.33 |
| 5 | 571.12 | 571.13 | 571.47 | 571.76 | 572.30 | 572.27 | 572.12 | 572.61 | 572.47 | 572.35 | 572.04 | 572.43 |
| 6 | 571.03 | 571.10 | 571.56 | 571.77 | 572.30 | 572.22 | 572.17 | 572.60 | 572.41 | 572.28 | 572.13 | 572.03 |
| 7 | 571.03 | 571.13 | 571.45 | 571.74 | 572.25 | 572.23 | 572.15 | 572.58 | 572.44 | 572.25 | 572.13 | 572.19 |
| 8 | 571.15 | 571.16 | 571.46 | 571.77 | 572.32 | 572.26 | 572.06 | 572.51 | 572.40 | 572.14 | 572.09 | 572.30 |
| 9 | 570.91 | 571.03 | 571.45 | 571.78 | 572.23 | 572.25 | 572.11 | 572.56 | 572.46 | 571.95 | 571.90 | 572.27 |
| 10 | 571.10 | 571.03 | 571.61 | 571.80 | 572.23 | 572.23 | 572.13 | 572.55 | 572.38 | 571.97 | 571.81 | 572.23 |
| 11 | 570.97 | 571.14 | 571.67 | 571.84 | 572.25 | 572.22 | 572.16 | 572.64 | 572.62 | 572.17 | 571.96 | 572.63 |
| 12 | 570.91 | 571.18 | 571.52 | 571.85 | 572.24 | 572.19 | 572.14 | 572.59 | 572.54 | 571.96 | 572.12 | 572.41 |
| 13 | 571.00 | 571.12 | 571.58 | 571.83 | 572.21 | 572.16 | 572.15 | 572.64 | 572.54 | 571.92 | 571.58 | 572.37 |
| 14 | 571.55 | 571.11 | 571.55 | 571.80 | 572.23 | 572.19 | 572.31 | 572.72 | 572.47 | 572.06 | 572.07 | 572.32 |
| 15 | 571.24 | 571.20 | 571.66 | 571.85 | 572.24 | 572.27 | 572.45 | 572.68 | 572.47 | 572.15 | 572.32 | 572.25 |
| 16 | 571.01 | 571.10 | 571.52 | 571.84 | 572.24 | 572.18 | 572.45 | 572.64 | 572.46 | 572.00 | 572.10 | 572.19 |
| 17 | 570.87 | 571.28 | 571.49 | 571.86 | 572.16 | 572.07 | 572.41 | 572.56 | 572.37 | 572.15 | 572.28 | 572.23 |
| 18 | 571.05 | 571.33 | 571.70 | 571.99 | 572.25 | 572.09 | 572.51 | 572.48 | 572.39 | 572.14 | 572.36 | 572.27 |
| 19 | 570.83 | 571.26 | 571.75 | 572.03 | 572.25 | 572.27 | 572.50 | 572.55 | 572.54 | 572.20 | 572.39 | 572.18 |
| 20 | 570.99 | 571.29 | 571.59 | 571.97 | 572.20 | 572.28 | 572.46 | 572.49 | 572.49 | 571.89 | 572.31 | 572.21 |
| 21 | 570.96 | 571.26 | 571.58 | 572.03 | 572.19 | 572.25 | 572.61 | 572.48 | 572.41 | 572.06 | 572.16 | 572.23 |
| 22 | 571.19 | 571.38 | 571.83 | 572.02 | 572.17 | 572.13 | 572.63 | 572.48 | 572.68 | 572.08 | 572.53 | 572.13 |
| 23 | 571.01 | 571.48 | 571.63 | 572.11 | 572.19 | 572.17 | 572.66 | 572.46 | 572.74 | 571.96 | 572.25 | 572.10 |
| 24 | 570.97 | 571.57 | 571.59 | 572.15 | 572.41 | 572.17 | 572.67 | 572.44 | 572.70 | 572.10 | 572.49 | 572.17 |
| 25 | 571.15 | 571.36 | 571.54 | 572.20 | 572.28 | 572.19 | 572.57 | 572.41 | 572.60 | 572.05 | 572.50 | 571.64 |
| 26 | 571.10 | 571.30 | 571.68 | 572.23 | 572.22 | 572.19 | 572.56 | 572.39 | 572.60 | 571.92 | 572.25 | 572.08 |
| 27 | 571.09 | 571.26 | 571.77 | 572.26 | 572.17 | 572.17 | 572.62 | 572.45 | 572.37 | 571.99 | 572.40 | 572.03 |
| 28 | 571.14 | 571.31 | 571.70 | 572.24 | 572.18 | 572.17 | 572.57 | 572.57 | 572.47 | 571.96 | 572.47 | 572.12 |
| 29 | 570.98 | 571.42 | 571.70 | 572.21 | 572.20 | 572.15 | 572.53 | 572.42 | 572.51 | 571.98 | 572.27 | 572.07 |
| 30 | 570.99 | | 571.75 | 572.25 | 572.15 | 572.18 | 572.64 | 572.18 | 572.47 | 572.00 | 572.18 | 572.17 |
| 31 | 571.14 | | 571.72 | | 572.27 | | 572.88 | 572.36 | | 572.09 | | 572.29 |
| Mean | 571.06 | 571.22 | 571.58 | 571.94 | 572.23 | 572.20 | 572.39 | 572.53 | 572.49 | 572.10 | 572.17 | 572.22 |
| Max.
Hr.
Day | 573.06
0900
14 | 571.97
1900
28 | 572.37
1300
22 | 573.20
2000
23 | 572.84
1700
17 | 572.82
2400
17 | 573.30
0900
31 | 572.92
1400
28 | 573.33
2400
9 | 572.76
1400
16 | 573.78
2100
12 | 572.83
2400
2 |
| Min.
Hr.
Day | 570.24
1600
14 | 570.83
0900
11 | 570.74
1000
1 | 571.38
0900
11 | 571.89
1900
17 | 571.58
0400
18 | 571.63
0400
5 | 571.93
0700
30 | 571.60
1300
27 | 571.45
1500
12 | 570.25
0300
13 | 570.65
1700
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.01

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3079 Marblehead, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 572.51 Aug
Daily mean elevation: 573.07 30 Jul
Instant/hourly elevation: 573.60 2400/30 Jul

LOWEST

Monthly mean elevation: 571.08 Jan
Daily mean elevation: 570.77 9 Jan
Instant/hourly elevation: 569.26 1500/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 571.86 | 571.78 | 572.13 | 572.31 | 572.57 | 572.62 | 573.07 | 573.02 | 572.96 | 572.94 | 572.88 | 572.62 |
| Day | 16     | 24     | 18     | 27     | 24     | 15     | 30     | 14     | 24     | 4      | 1      | 11     |
| Min | 570.77 | 570.90 | 570.91 | 571.63 | 572.02 | 572.08 | 571.99 | 571.77 | 572.07 | 571.23 | 571.57 | 571.73 |
| Day | 9      | 16     | 1      | 2      | 2      | 24     | 3      | 30     | 27     | 16     | 4      | 5      |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 573.00 | | | | | | | 1 | 1 | | | | | 573.00 | 2 |
| 572.80 | | | | | | | 4 | 1 | 2 | 1 | 2 | | 572.80 | 12 |
| 572.60 | | | | | | 1 | 3 | 7 | 4 | | 1 | 1 | 572.60 | 29 |
| 572.40 | | | | | 3 | | 9 | 15 | 16 | 1 | 4 | 2 | 572.40 | 79 |
| 572.20 | | | | 5 | 23 | 22 | 3 | 4 | 5 | 5 | 7 | 7 | 572.20 | 160 |
| 572.00 | | | 2 | 8 | 5 | 7 | 10 | 2 | 3 | 9 | 3 | 12 | 572.00 | 221 |
| 571.80 | 1 | | 2 | 11 | | | 1 | | | 11 | 8 | 4 | 571.80 | 259 |
| 571.60 | | 2 | 11 | 6 | | | | 1 | | 3 | 1 | 4 | 571.60 | 287 |
| 571.40 | | 3 | 12 | | | | | | | | 1 | | 571.40 | 303 |
| 571.20 | 4 | 8 | 3 | | | | | | | 1 | | | 571.20 | 319 |
| 571.00 | 10 | 9 | | | | | | | | | | | 571.00 | 338 |
| 570.80 | 6 | 2 | 1 | | | | | | | | | | 570.80 | 347 |
| 570.60 | 2 | | | | | | | | | | | | 570.60 | 349 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3079 Marblehead, Ohio on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 571.08 | 571.17 | 570.91 | 571.70 | 572.23 | 572.25 | 572.45 | 572.40 | 572.39 | 572.31 | 572.88 | 572.11 |
| 2 | 571.16 | 571.03 | 571.71 | 571.63 | 572.02 | 572.25 | 572.50 | 572.44 | 572.46 | 571.97 | 572.30 | 572.18 |
| 3 | 571.21 | 571.23 | 571.61 | 571.64 | 572.21 | 572.30 | 571.99 | 572.52 | 572.25 | 572.11 | 571.82 | 572.11 |
| 4 | 571.12 | 570.98 | 571.56 | 571.75 | 572.28 | 572.35 | 572.05 | 572.59 | 572.65 | 572.94 | 571.57 | 572.11 |
| 5 | 571.11 | 571.15 | 571.54 | 571.75 | 572.37 | 572.36 | 572.04 | 572.63 | 572.55 | 572.53 | 571.89 | 571.73 |
| 6 | 570.94 | 571.11 | 571.75 | 571.82 | 572.39 | 572.26 | 572.18 | 572.69 | 572.45 | 572.34 | 571.98 | 571.76 |
| 7 | 570.98 | 571.10 | 571.48 | 571.69* | 572.30 | 572.27 | 572.17 | 572.65 | 572.44 | 572.32 | 572.27 | 571.87 |
| 8 | 571.23 | 571.12 | 571.46 | 571.85* | 572.53 | 572.29 | 572.04 | 572.45 | 572.28 | 572.23 | 572.12 | 572.24 |
| 9 | 570.77 | / | 571.53 | 571.82 | 572.32 | 572.32 | 572.06 | 572.53 | 572.47 | 571.62 | 571.95 | 572.39 |
| 10 | 570.97 | / | 571.52 | 571.90 | 572.26 | 572.29 | 572.08 | 572.54 | 572.19 | 571.88 | 571.77 | 572.38 |
| 11 | 570.80 | / | 571.25 | 571.87 | 572.31 | 572.29 | 572.20 | 572.67 | 572.63 | 571.98 | 571.96 | 572.62 |
| 12 | 570.86 | / | 571.28 | 571.86 | 572.28 | 572.24 | 572.05 | 572.64 | 572.58 | 571.61 | 572.17* | 572.45 |
| 13 | 571.01 | / | 571.35 | 571.99 | 572.27 | 572.19 | 572.19 | 572.77 | 572.59 | 571.75 | / | 572.47 |
| 14 | 571.10 | 571.16* | 571.48 | 571.84 | 572.33 | 572.21 | 572.21 | 573.02 | 572.49 | 572.20 | / | 572.35 |
| 15 | 571.08 | 571.26 | 571.59 | 572.05 | 572.32 | 572.62 | 572.47 | 573.00 | 572.43 | 572.15 | / | 572.32 |
| 16 | 571.86* | 570.90 | 571.49 | 571.89 | 572.31 | 572.40 | 572.49 | 572.65 | 572.47 | 571.23 | 572.23* | 572.08 |
| 17 | / | 571.42 | 571.47 | 571.90 | 572.13 | 572.15 | 572.36 | 572.57 | 572.27 | 571.96 | 572.30 | 572.08 |
| 18 | / | 571.48 | 572.13 | 572.19 | 572.39 | 572.08 | 572.41 | 572.39 | 572.18 | 571.97 | 572.48 | 572.29 |
| 19 | / | 571.20 | 571.89 | 572.12 | 572.36 | 572.24 | 572.53 | 572.55 | 572.53 | 572.01 | 572.63 | 572.16 |
| 20 | / | 571.23 | 571.59 | 572.06 | 572.27 | 572.30 | 572.37 | 572.52 | 572.55 | 571.82 | 572.54 | 571.85 |
| 21 | 571.15* | 571.21 | 571.65 | 572.07 | 572.27 | 572.21 | 572.71 | 572.51 | 572.50 | 571.97 | 572.22 | 572.24 |
| 22 | 571.34 | 571.45 | 572.04 | 571.92 | 572.20 | 572.14 | 572.84 | 572.55 | 572.58 | 572.10 | 572.85 | 571.95 |
| 23 | 571.04 | 571.67 | 571.65 | 572.15 | 572.27 | 572.28 | 572.81 | 572.51 | 572.83 | 571.95 | 572.06 | 571.80 |
| 24 | / | 571.78 | 571.61 | 572.14 | 572.57 | 572.08 | 572.82 | 572.48 | 572.96 | 572.04 | 572.55 | 571.83 |
| 25 | 571.21 | 571.36 | 571.56 | 572.19 | 572.42 | 572.27 | 572.62 | 572.41 | 572.71 | 572.02 | 572.60 | / |
| 26 | / | 571.21 | 571.72 | 572.26 | 572.25 | 572.24 | 572.52 | 572.38 | 572.66 | 571.86 | 571.93 | 571.77 |
| 27 | / | 571.18 | 571.64 | 572.31 | 572.17 | 572.20 | 572.62 | 572.52 | 572.07 | 572.01 | 572.27 | 572.12* |
| 28 | / | 571.25 | 571.63 | 572.27 | 572.19 | 572.26 | 572.55 | 572.31 | 572.27 | 571.96 | 572.37 | 572.15 |
| 29 | 570.92 | 571.30 | 571.73 | 572.21 | 572.32 | 572.18 | 572.44* | 572.10 | 572.43 | 571.98 | 571.97 | 572.15 |
| 30 | 570.89 | | 571.82 | 572.25 | 572.30 | 572.26 | 573.07 | 571.77 | 572.46 | 572.16 | 571.88 | 572.20 |
| 31 | 571.09 | | 571.71 | | 572.26 | | 572.97 | 572.19 | | 572.34 | | 572.13 |
| Mean | 571.08 | 571.25 | 571.59 | 571.97 | 572.29 | 572.26 | 572.41 | 572.51 | 572.48 | 572.04 | 572.20 | 572.13 |
| Max.
Hr.
Day | 572.68
0600
14 | 572.25
2000
28 | 572.92
1200
22 | 572.75
1300
24 | 572.95
0600
24 | 572.91
0800
15 | 573.60
2400
30 | 573.20
1000
15 | 573.14
2100
24 | 573.36
0700
4 | 573.52
2100
22 | 572.94
0900
11 |
| Min.
Hr.
Day | 569.26
1500
14 | 570.39
2400
29 | 570.28
0900
1 | 571.21
1000
11 | 571.69
1300
3 | 571.39
0200
18 | 571.49
0500
5 | 571.48
0400
30 | 571.15
1400
27 | 569.67
2100
16 | 570.90
1700
4 | 571.16
1100
26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.02

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3085 Toledo, Ohio on Lake Erie

HIGHEST

Monthly mean elevation: 572.51 Aug
Daily mean elevation: 573.99 1 Nov
Instant/hourly elevation: 574.77 2100/1 Nov

LOWEST

Monthly mean elevation: 570.89 Jan
Daily mean elevation: 569.34 24 Jan
Instant/hourly elevation: 567.09 0500/13 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 571.54 | 572.02 | 572.76 | 572.54 | 572.70 | 573.04 | 573.66 | 573.30 | 573.38 | 573.46 | 573.99 | 572.64 |
| Day | 22 | 24 | 18 | 18 | 8 | 15 | 30 | 15 | 24 | 4 | 1 | 13 |
| Min | 569.34 | 570.82 | 570.71 | 571.44 | 571.81 | 572.02 | 571.72 | 571.37 | 571.79 | 570.32 | 569.80 | 569.76 |
| Day | 24 | 16 | 1 | 2 | 2 | 24 | 3 | 30 | 27 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 573.80 | | | | | | | | | | | 1 | | 573.80 | 1 |
| 573.60 | | | | | | | 1 | | | | | | 573.60 | 2 |
| 573.40 | | | | | | | | | | 1 | | | 573.40 | 3 |
| 573.20 | | | | | | | | 1 | 1 | | 1 | | 573.20 | 6 |
| 573.00 | | | | | | 1 | 4 | 1 | 1 | | 1 | | 573.00 | 14 |
| 572.80 | | | | | | | 2 | 2 | 2 | | 2 | | 572.80 | 22 |
| 572.60 | | | 1 | | 2 | 1 | 3 | 8 | 7 | 1 | 2 | 1 | 572.60 | 48 |
| 572.40 | | | 1 | 1 | 12 | 5 | 6 | 10 | 12 | 5 | 2 | 6 | 572.40 | 108 |
| 572.20 | | | | 8 | 13 | 15 | 6 | 5 | 1 | 3 | 5 | 8 | 572.20 | 172 |
| 572.00 | | 1 | 2 | 7 | 3 | 8 | 3 | 2 | 3 | 7 | 4 | 3 | 572.00 | 215 |
| 571.80 | | 1 | 5 | 9 | 1 | | 5 | | 2 | 8 | 5 | 5 | 571.80 | 256 |
| 571.60 | | 2 | 9 | 3 | | | 1 | 1 | 1 | 3 | 4 | 2 | 571.60 | 282 |
| 571.40 | 2 | 3 | 9 | 2 | | | | | | 1 | 1 | 3 | 571.40 | 303 |
| 571.20 | 5 | 7 | | | | | | 1 | | | 1 | 1 | 571.20 | 319 |
| 571.00 | 7 | 13 | 2 | | | | | | | 1 | | | 571.00 | 341 |
| 570.80 | 8 | 2 | 1 | | | | | | | | | 1 | 570.80 | 353 |
| 570.60 | 3 | | 1 | | | | | | | | | | 570.60 | 357 |
| 570.40 | 2 | | | | | | | | | | | | 570.40 | 359 |
| 570.20 | 2 | | | | | | | | | 1 | | | 570.20 | 362 |
| 570.00 | | | | | | | | | | | | | 570.00 | 362 |
| 569.80 | | | | | | | | | | | | | 569.80 | 362 |
| 569.60 | 1 | | | | | | | | | | 1 | 1 | 569.60 | 365 |
| 569.40 | | | | | | | | | | | | | 569.40 | 365 |
| 569.20 | 1 | | | | | | | | | | | | 569.20 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3085 Toledo, Ohio on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 571.15 | 571.21 | 570.71 | 571.63 | 572.22 | 572.32 | 572.73 | 572.24 | 572.42 | 572.35 | 573.99 | 572.03 |
| 2 | 571.33 | 571.09 | 571.98 | 571.44 | 571.81 | 572.33 | 572.81 | 572.37 | 572.66 | 571.88 | 572.57 | 572.05 |
| 3 | 571.33 | 571.37 | 571.85 | 571.53 | 572.15 | 572.42 | 571.72 | 572.54 | 572.16 | 572.12 | 571.80 | 571.90 |
| 4 | 571.17 | 570.92 | 571.74 | 571.82 | 572.35 | 572.52 | 571.89 | 572.54 | 572.82 | 573.46 | 571.27 | 571.92 |
| 5 | 571.18 | 571.23 | 571.70 | 571.80 | 572.46 | 572.46 | 571.85 | 572.71 | 572.70 | 572.76 | 571.85 | 571.00 |
| 6 | 570.94 | 571.13 | 572.03 | 571.92 | 572.51 | 572.30 | 572.17 | 572.81 | 572.50 | 572.45 | 571.88 | 571.57 |
| 7 | 571.05 | 571.13 | 571.58 | 571.72 | 572.40 | 572.28 | 572.19 | 572.80 | 572.45 | 572.47 | 572.39 | 571.65 |
| 8 | 571.43 | 571.11 | 571.49 | 571.93 | 572.70 | 572.32 | 571.98 | 572.26 | 572.14 | 572.38 | 572.22 | 572.28 |
| 9 | 570.63 | 571.06 | 571.64 | 571.94 | 572.45 | 572.42 | 572.01 | 572.53 | 572.51 | 571.47 | 572.10 | 572.60 |
| 10 | 570.87 | 571.22 | 571.44 | 572.18 | 572.36 | 572.33 | 572.00 | 572.52 | 571.95 | 571.86 | 571.82 | 572.58 |
| 11 | 570.70 | 571.20 | 570.92 | 571.84 | 572.43 | 572.33 | 572.23 | 572.66 | 572.72 | 571.81 | 572.05 | 572.57 |
| 12 | 570.83 | 571.47 | 571.07 | 572.00 | 572.30 | 572.30 | 571.95 | 572.72 | 572.68 | 571.26 | 571.70 | 572.51 |
| 13 | 571.08 | 571.21 | 571.11 | 572.22 | 572.38 | 572.23 | 572.29 | 572.90 | 572.70 | 571.61 | 569.80 | 572.64 |
| 14 | 570.57 | 571.20 | 571.46 | 571.99 | 572.45 | 572.31 | 572.21 | 573.15 | 572.52 | 572.42 | 571.55 | 572.43 |
| 15 | 570.92 | 571.46 | 571.51 | 572.39 | 572.46 | 573.04 | 572.54 | 573.30 | 572.48 | 572.27 | 571.98 | 572.45 |
| 16 | 570.27 | 570.82 | 571.49 | 571.96 | 572.46 | 572.70 | 572.60 | 572.68 | 572.48 | 570.32 | 572.10 | 571.98 |
| 17 | 569.79 | 571.67 | 571.54 | 572.03 | 572.11 | 572.09 | 572.37 | 572.61 | 572.21 | 571.77 | 572.43 | 571.99 |
| 18 | 570.26 | 571.70 | 572.76 | 572.54 | 572.57 | 572.03 | 572.38 | 572.27 | 571.97 | 571.77 | 572.69 | 572.39 |
| 19 | 570.55 | 571.15 | 572.04 | 572.37 | 572.52 | 572.08 | 572.58 | 572.56 | 572.53 | 571.94 | 573.01 | 572.22 |
| 20 | 570.87 | 571.20 | 571.63 | 572.19 | 572.39 | 572.31 | 572.30 | 572.59 | 572.65 | 571.93 | 572.84 | 571.50 |
| 21 | 570.75 | 571.26 | 571.81 | 572.16 | 572.38 | 572.20 | 572.89 | 572.55 | 572.50 | 571.98 | 572.35 | 572.29 |
| 22 | 571.54 | 571.59 | 572.44 | 571.81 | 572.27 | 572.15 | 573.17 | 572.62 | 572.47 | 572.18 | 573.22 | 571.87 |
| 23 | 570.92 | 571.93 | 571.73 | 572.33 | 572.31 | 572.44 | 573.04 | 572.59 | 573.02 | 572.01 | 572.02 | 571.61 |
| 24 | 569.34 | 572.02 | 571.69 | 572.18 | 572.67 | 572.02 | 573.06 | 572.50 | 573.38 | 572.07 | 572.70 | 571.39 |
| 25 | 571.40 | 571.40 | 571.59 | 572.14 | 572.55 | 572.37 | 572.70 | 572.41 | 572.96 | 572.05 | 572.84 | 569.76 |
| 26 | 571.15 | 571.13 | 571.82 | 572.32 | 572.30 | 572.26 | 572.48 | 572.36 | 572.78 | 571.91 | 571.68 | 571.59 |
| 27 | 571.23 | 571.10 | 571.53 | 572.38 | 572.19 | 572.18 | 572.61 | 572.68 | 571.79 | 572.08 | 572.24 | 572.31 |
| 28 | 571.22 | 571.09 | 571.61 | 572.33 | 572.22 | 572.40 | 572.52 | 572.01 | 572.02 | 571.99 | 572.32 | 572.23 |
| 29 | 570.99 | 571.15 | 571.80 | 572.18 | 572.55 | 572.18 | 572.47 | 571.80 | 572.42 | 572.08 | 571.82 | 572.24 |
| 30 | 570.96 | | 571.96 | 572.33 | 572.53 | 572.37 | 573.66 | 571.37 | 572.50 | 572.44 | 571.69 | 572.33 |
| 31 | 571.15 | | 571.66 | | 572.23 | | 573.09 | 572.01 | | 572.60 | | 572.07 |
| Mean | 570.89 | 571.28 | 571.66 | 572.05 | 572.38 | 572.32 | 572.47 | 572.51 | 572.50 | 572.05 | 572.17 | 572.00 |
| Max.
Hr.
Day | 572.53
0200
14 | 572.56
1400
21 | 574.06
2200
18 | 573.08
1100
18 | 573.55
1500
8 | 573.49
0700
15 | 574.74
2100
30 | 573.67
0900
15 | 573.81
2100
24 | 574.20
0700
4 | 574.77
2100
1 | 573.28
2000
16 |
| Min.
Hr.
Day | 567.84
0500
24 | 569.94
0500
21 | 569.63
0900
1 | 570.88
1400
2 | 570.89
1100
3 | 571.13
0800
24 | 570.93
0500
5 | 570.99
0600
30 | 570.78
1200
27 | 568.15
2100
16 | 567.09
0500
13 | 567.97
1800
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.02

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 906-3090 Fermi Power Plant, Stony Point, Michigan on Lake Erie

HIGHEST

Monthly mean elevation: 572.50 Sep
Daily mean elevation: 573.45 1 Nov
Instant/hourly elevation: 581.85 2100/13 Oct

LOWEST

Monthly mean elevation: 570.90 Jan
Daily mean elevation: 569.53 24 Jan
Instant/hourly elevation: 567.63 0400/13 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 571.45 | 571.81 | 572.31 | 572.35 | 572.53 | 572.77 | 573.32 | 573.00 | 573.21 | 573.03 | 573.45 | 572.58 |
| Day | 22 | 24 | 18 | 18 | 8 | 15 | 30 | 15 | 24 | 4 | 1 | 9 |
| Min | 569.53 | 570.82 | 570.82 | 571.40 | 571.97 | 572.01 | 571.87 | 571.67 | 571.96 | 570.55 | 570.13 | 570.33 |
| Day | 24 | 16 | 11 | 2 | 2 | 24 | 5 | 30 | 27 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 573.40 | | | | | | | | | | | 1 | | 573.40 | 1 |
| 573.20 | | | | | | | 1 | | 1 | | | | 573.20 | 3 |
| 573.00 | | | | | | | | | | 1 | | | 573.00 | 4 |
| 572.80 | | | | | | | 4 | 2 | 1 | | 1 | | 572.80 | 12 |
| 572.60 | | | | | | 1 | 3 | 8 | 9 | | 4 | | 572.60 | 37 |
| 572.40 | | | | | 6 | 4 | 8 | 13 | 10 | 3 | 3 | 6 | 572.40 | 90 |
| 572.20 | | | 1 | 9 | 21 | 18 | 7 | 4 | 5 | 6 | 5 | 7 | 572.20 | 173 |
| 572.00 | | | 1 | 6 | 3 | 7 | 6 | 1 | 3 | 8 | 4 | 6 | 572.00 | 218 |
| 571.80 | | 1 | 3 | 9 | 1 | | 2 | 2 | 1 | 8 | 8 | 4 | 571.80 | 257 |
| 571.60 | | 1 | 11 | 4 | | | | 1 | | 3 | 2 | 3 | 571.60 | 282 |
| 571.40 | 1 | 3 | 8 | 1 | | | | | | 1 | 1 | 3 | 571.40 | 300 |
| 571.20 | 4 | 6 | 2 | 1 | | | | | | | | | 571.20 | 313 |
| 571.00 | 11 | 16 | 3 | | | | | | | | | 1 | 571.00 | 344 |
| 570.80 | 7 | 2 | 2 | | | | | | | | | | 570.80 | 355 |
| 570.60 | 3 | | | | | | | | | | | | 570.60 | 358 |
| 570.40 | 1 | | | | | | | | | 1 | | | 570.40 | 360 |
| 570.20 | 2 | | | | | | | | | | | 1 | 570.20 | 363 |
| 570.00 | | | | | | | | | | | 1 | | 570.00 | 364 |
| 569.80 | 1 | | | | | | | | | | | | 569.80 | 365 |
| 569.60 | | | | | | | | | | | | | 569.60 | 365 |
| 569.40 | 1 | | | | | | | | | | | | 569.40 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 906-3090 Fermi Power Plant, Stony Point, Michigan on Lake Erie

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 571.11 | 571.12 | 570.95 | 571.56 | 572.34 | 572.27 | 572.59 | 572.35 | 572.42* | 572.36 | 573.45 | 572.14 |
| 2 | 571.28 | 571.11 | 571.83 | 571.40 | 571.97 | 572.28 | 572.70 | 572.49 | 572.71 | 571.98 | 572.63 | 572.11 |
| 3 | 571.28 | 571.30 | 571.69 | 571.62 | 572.15 | 572.36 | 571.90 | 572.53 | 572.23 | 572.11 | 571.86 | 571.93 |
| 4 | 571.11 | 570.86 | 571.63 | 571.77 | 572.28 | 572.45 | 572.02 | 572.51 | 572.71 | 573.03 | 571.41 | 571.98 |
| 5 | 571.14 | 571.17 | 571.60 | 571.76 | 572.34 | 572.43 | 571.87 | 572.66 | 572.67 | 572.56 | 571.85 | 571.11 |
| 6 | 570.93 | 571.18 | 571.87 | 571.90 | 572.40 | 572.29 | 572.13 | 572.77 | 572.54 | 572.40 | 571.82 | 571.73 |
| 7 | 571.02 | 571.10 | 571.53 | 571.74 | 572.36 | 572.28 | 572.22 | 572.76 | 572.47 | 572.43 | 572.27 | 571.71 |
| 8 | 571.37 | 571.02 | 571.48 | 571.87 | 572.53 | 572.26 | 572.07 | 572.40 | 572.24 | 572.46 | 572.21 | 572.23 |
| 9 | 570.76 | 571.03 | 571.64 | 571.85 | 572.37 | 572.34 | 572.04 | 572.54 | 572.55 | 571.72 | 572.15 | 572.58 |
| 10 | 570.90 | 571.27 | 571.17 | 572.07 | 572.32 | 572.29 | 572.06 | 572.55 | 572.05 | 571.94 | 571.94 | 572.55 |
| 11 | 570.82 | 571.12 | 570.82 | 571.86 | 572.40 | 572.30 | 572.23 | 572.63 | 572.63 | 571.86 | 572.03 | 572.44 |
| 12 | 571.00 | 571.38 | 571.03 | 571.86 | 572.32 | 572.27 | 572.07 | 572.66 | 572.64 | 571.41 | 571.76 | 572.42 |
| 13 | 571.10 | 571.16 | 571.13 | 572.05 | 572.27 | 572.23 | 572.24 | 572.78 | 572.69 | 572.10 | 570.13 | 572.52 |
| 14 | 570.25 | 571.17 | 571.42 | 571.91 | 572.34 | 572.20 | 572.21 | 572.96 | 572.55 | 572.38 | 571.63 | 572.39 |
| 15 | 570.97 | 571.40 | 571.39 | 572.21 | 572.38 | 572.77 | 572.47 | 573.00 | 572.49 | 572.25 | 571.94 | 572.43 |
| 16 | 570.50 | 570.82 | 571.56 | 571.97 | 572.41 | 572.55 | 572.56 | 572.64 | 572.55 | 570.55 | 572.17 | 572.12 |
| 17 | 569.97 | 571.54 | 571.52 | 571.96 | 572.22 | 572.30 | 572.37 | 572.61 | 572.32 | 571.76 | 572.32 | 572.00 |
| 18 | 570.27 | 571.58 | 572.31 | 572.35 | 572.34 | 572.28 | 572.40 | 572.37 | 572.09 | 571.79 | 572.46 | 572.34 |
| 19 | 570.68 | 571.20 | 571.78 | 572.24 | 572.42 | 572.05 | 572.56 | 572.53 | 572.50 | 571.88 | 572.73 | 572.24 |
| 20 | 570.89 | 571.33 | 571.58 | 572.15 | 572.32 | 572.15 | 572.35 | 572.57 | 572.65 | 572.18 | 572.72 | 571.56 |
| 21 | 570.75 | 571.19 | 571.72 | 572.17 | 572.33 | 572.15 | 572.74 | 572.55 | 572.60 | 571.98 | 572.42 | 572.32 |
| 22 | 571.45 | 571.52 | 572.07 | 571.92 | 572.27 | 572.18 | 572.94 | 572.60 | 572.34 | 572.15 | 572.99 | 571.92 |
| 23 | 570.98 | 571.72 | 571.69 | 572.27 | 572.21 | 572.46 | 572.84 | 572.56 | 572.78 | 572.07 | 572.03 | 571.63 |
| 24 | 569.53 | 571.81 | 571.69 | 572.12 | 572.36 | 572.01 | 572.90 | 572.52 | 573.21 | 572.00 | 572.57 | 571.55 |
| 25 | 571.19 | 571.38 | 571.65 | 572.09 | 572.43 | 572.36 | 572.67 | 572.45 | 572.90 | 572.02 | 572.69 | 570.33 |
| 26 | 571.13 | 571.17 | 571.80 | 572.24 | 572.21 | 572.23 | 572.50 | 572.39 | 572.77 | 571.96 | 571.85 | 571.54 |
| 27 | 571.21 | 571.17 | 571.40 | 572.24 | 572.17 | 572.17 | 572.59 | 572.56 | 571.96 | 572.03 | 572.24 | 572.29 |
| 28 | 571.19 | 571.16 | 571.56 | 572.29 | 572.20 | 572.36 | 572.56 | 571.99 | 572.09 | 572.01 | 572.33 | 572.18 |
| 29 | 571.02 | 571.06 | 571.77 | 572.29 | 572.42 | 572.21 | 572.48 | 571.95 | 572.35 | 572.00 | 571.96 | 572.18 |
| 30 | 571.01 | | 571.84 | 572.29 | 572.46 | 572.29 | 573.32 | 571.67 | 572.45 | 572.22 | 571.85 | 572.25 |
| 31 | 571.11 | | 571.72 | | 572.23 | | 572.86 | 572.07 | | 572.38 | | 572.04 |
| Mean | 570.90 | 571.24 | 571.57 | 572.00 | 572.32 | 572.29 | 572.43 | 572.50 | 572.50 | 572.06 | 572.15 | 572.02 |
| Max.
Hr.
Day | 572.15
0200
16 | 572.33
1400
21 | 573.20
2100
18 | 572.93
2400
10 | 574.34
1900
31 | 573.14
0600
15 | 574.30
2100
30 | 573.27
1100
15 | 573.55
2200
24 | 581.85
2100
13 | 574.39
2100
1 | 573.12
2100
9 |
| Min.
Hr.
Day | 568.18
1600
14 | 570.04
0400
21 | 569.94
0900
11 | 570.84
1100
2 | 571.10
1200
3 | 571.16
0800
24 | 571.19
1900
5 | 571.21
0100
29 | 570.95
1600
27 | 568.48
2200
16 | 567.63
0400
13 | 568.35
1900
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.00

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 904-4020 Gibraltar, Michigan on Detroit River

HIGHEST

Monthly mean elevation: 572.90 Sep
Daily mean elevation: 573.51 1 Nov
Instant/hourly elevation: 574.44 2100/22 Nov

LOWEST

Monthly mean elevation: 571.21 Jan
Daily mean elevation: 570.01 24 Jan
Instant/hourly elevation: 568.92 1600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 571.74 | 571.97 | 572.42 | 572.52 | 572.68 | 572.95 | 573.50 | 573.25 | 573.50 | 573.25 | 573.51 | 572.85 |
| Day | 22     | 24     | 18     | 29     | 30     | 15     | 30     | 15     | 24     | 4      | 1      | 9      |
| Min | 570.01 | 571.09 | 571.06 | 571.58 | 572.18 | 572.29 | 572.18 | 572.24 | 572.46 | 571.20 | 570.83 | 571.05 |
| Day | 24     | 16     | 11     | 2      | 2      | 24     | 5      | 30     | 27     | 16     | 13     | 25     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 573.40 | | | | | | | 1 | | 1 | | 1 | | 573.40 | 3 |
| 573.20 | | | | | | | | 2 | 1 | 1 | | | 573.20 | 7 |
| 573.00 | | | | | | | 5 | 3 | 9 | | 1 | | 573.00 | 25 |
| 572.80 | | | | | | 1 | 8 | 18 | 9 | 2 | 5 | 2 | 572.80 | 70 |
| 572.60 | | | | | 3 | 7 | 5 | 4 | 6 | 4 | 2 | 7 | 572.60 | 108 |
| 572.40 | | | 1 | 6 | 22 | 17 | 5 | 3 | 4 | 7 | 7 | 9 | 572.40 | 189 |
| 572.20 | | | | 9 | 5 | 5 | 6 | 1 | | 12 | 6 | 5 | 572.20 | 238 |
| 572.00 | | | 4 | 8 | 1 | | 1 | | | 3 | 5 | 1 | 572.00 | 261 |
| 571.80 | | 2 | 12 | 5 | | | | | | 1 | 1 | 5 | 571.80 | 287 |
| 571.60 | 2 | 5 | 7 | 1 | | | | | | | 1 | | 571.60 | 303 |
| 571.40 | 5 | 9 | 2 | 1 | | | | | | | | 1 | 571.40 | 321 |
| 571.20 | 14 | 11 | 4 | | | | | | | | | | 571.20 | 350 |
| 571.00 | 5 | 2 | 1 | | | | | | | 1 | | 1 | 571.00 | 360 |
| 570.80 | 1 | | | | | | | | | | 1 | | 570.80 | 362 |
| 570.60 | 1 | | | | | | | | | | | | 570.60 | 363 |
| 570.40 | 2 | | | | | | | | | | | | 570.40 | 365 |
| 570.20 | | | | | | | | | | | | | 570.20 | 365 |
| 570.00 | 1 | | | | | | | | | | | | 570.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 904-4020 Gibraltar, Michigan on Detroit River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 571.37 | 571.32 | 571.29 | 571.75 | 572.55 | 572.46 | 572.81 | 572.71 | 572.78 | 572.74 | 573.51 | 572.45 |
| 2 | 571.52 | 571.38 | 572.01 | 571.58 | 572.18 | 572.49 | 572.95 | 572.83 | 573.11 | 572.41 | 572.97 | 572.44 |
| 3 | 571.52 | 571.52 | 571.89 | 571.84 | 572.35 | 572.56 | 572.22 | 572.83 | 572.64 | 572.50 | 572.19 | 572.21 |
| 4 | 571.35 | 571.09 | 571.83 | 571.96 | 572.45 | 572.65 | 572.34 | 572.81 | 573.03 | 573.25 | 571.79 | 572.32 |
| 5 | 571.38 | 571.40 | 571.79 | 571.95 | 572.49 | 572.64 | 572.18 | 572.97 | 573.02 | 572.86 | 572.15 | 571.44 |
| 6 | 571.21 | 571.46 | 572.05 | 572.11 | 572.57 | 572.50 | 572.40 | 573.06 | 572.90 | 572.73 | 572.08 | 572.09 |
| 7 | 571.27 | 571.35 | 571.75 | 571.94 | 572.53 | 572.48 | 572.49 | 573.06 | 572.86 | 572.75 | 572.48 | 572.00 |
| 8 | 571.64 | 571.23 | 571.70 | 572.04 | 572.68 | 572.47 | 572.41 | 572.76 | 572.68 | 572.84 | 572.48 | 572.49 |
| 9 | 571.09 | 571.30 | 571.89 | 572.03 | 572.54 | 572.53 | 572.34 | 572.86 | 572.97 | 572.25 | 572.48 | 572.85 |
| 10 | 571.16 | 571.62 | 571.33 | 572.24 | 572.52 | 572.50 | 572.37 | 572.89 | 572.56 | 572.34 | 572.29 | 572.83 |
| 11 | 571.14 | 571.33 | 571.06 | 572.07 | 572.60 | 572.52 | 572.51 | 572.92 | 572.99 | 572.24 | 572.28 | 572.64 |
| 12 | 571.35 | 571.58 | 571.25 | 571.97 | 572.52 | 572.49 | 572.40 | 572.98 | 573.02 | 571.88 | 572.18 | 572.65 |
| 13 | 571.35 | 571.41 | 571.37 | 572.22 | 572.43 | 572.47 | 572.54 | 573.06 | 573.07 | 572.07 | 570.83 | 572.74 |
| 14 | 570.50 | 571.39 | 571.64 | 572.08 | 572.51 | 572.41 | 572.52 | 573.22 | 572.94 | 572.70 | 571.97 | 572.65 |
| 15 | 571.24 | 571.63 | 571.56 | 572.35 | 572.57 | 572.95 | 572.73 | 573.25 | 572.91 | 572.59 | 572.22 | 572.71 |
| 16 | 570.97 | 571.09 | 571.84 | 572.16 | 572.60 | 572.76 | 572.88 | 572.96 | 572.96 | 571.20 | 572.55 | 572.44 |
| 17 | 570.54 | 571.72 | 571.72 | 572.12 | 572.42 | 572.61 | 572.70 | 572.95 | 572.77 | 572.10 | 572.58 | 572.28 |
| 18 | 570.67 | 571.77 | 572.42 | 572.48 | 572.48 | 572.63 | 572.74 | 572.74 | 572.59 | 572.13 | 572.69 | 572.60 |
| 19 | 571.10 | 571.46 | 571.94 | 572.40 | 572.60 | 572.30 | 572.88 | 572.85 | 572.87 | 572.23 | 572.94 | 572.55 |
| 20 | 571.27 | 571.59 | 571.78 | 572.34 | 572.51 | 572.38 | 572.70 | 572.92 | 573.04 | 572.57 | 572.97 | 571.86 |
| 21 | 571.19 | 571.39 | 571.92 | 572.37 | 572.52 | 572.39 | 573.01 | 572.90 | 573.02 | 572.29 | 572.70 | 572.63 |
| 22 | 571.74 | 571.69 | 572.19 | 572.17 | 572.47 | 572.44 | 573.18 | 572.93 | 572.73 | 572.47 | 573.18 | 572.24 |
| 23 | 571.32 | 571.86 | 571.88 | 572.45 | 572.38 | 572.73 | 573.08 | 572.90 | 573.10 | 572.40 | 572.37 | 572.00 |
| 24 | 570.01 | 571.97 | 571.89 | 572.28 | 572.45 | 572.29 | 573.16 | 572.87 | 573.50 | 572.29 | 572.81 | 571.88 |
| 25 | 571.53 | 571.56 | 571.86 | 572.28 | 572.59 | 572.60 | 572.97 | 572.82 | 573.27 | 572.34 | 572.91 | 571.05 |
| 26 | 571.37 | 571.42 | 571.98 | 572.42 | 572.40 | 572.49 | 572.82 | 572.77 | 573.13 | 572.31 | 572.24 | 571.94 |
| 27 | 571.48 | 571.39 | 571.55 | 572.40 | 572.37 | 572.40 | 572.89 | 572.90 | 572.46 | 572.32 | 572.50 | 572.61 |
| 28 | 571.42 | 571.42 | 571.74 | 572.48 | 572.41 | 572.63 | 572.88 | 572.42 | 572.51 | 572.32 | 572.60 | 572.45 |
| 29 | 571.29 | 571.28 | 571.97 | 572.52 | 572.61 | 572.48 | 572.79 | 572.41 | 572.71 | 572.27 | 572.31 | 572.46 |
| 30 | 571.27 | | 572.02 | 572.47 | 572.68 | 572.54 | 573.50 | 572.24 | 572.81 | 572.45 | 572.19 | 572.49 |
| 31 | 571.33 | | 571.92 | | 572.34 | | 573.11 | 572.48 | | 572.57 | | 572.30 |
| Mean | 571.21 | 571.47 | 571.77 | 572.18 | 572.49 | 572.53 | 572.73 | 572.85 | 572.90 | 572.40 | 572.45 | 572.33 |
| Max.
Hr.
Day | 572.32
0200
16 | 572.46
1400
21 | 573.25
2200
18 | 573.19
0200
11 | 573.30
1700
8 | 573.37
0500
18 | 574.28
2200
30 | 573.52
0800
11 | 573.77
2100
27 | 573.82
0700
4 | 574.44
2100
22 | 573.39
2100
9 |
| Min.
Hr.
Day | 568.92
1600
14 | 570.36
0400
21 | 570.26
0900
11 | 571.04
1100
2 | 571.28
1200
3 | 571.55
0800
24 | 571.48
1900
5 | 571.75
0100
29 | 571.63
1700
27 | 569.50
2200
16 | 569.07
0500
13 | 569.23
1900
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 572.28

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 904-4030 Wyandotte, Michigan on Detroit River

HIGHEST

Monthly mean elevation: 573.95 Sep
Daily mean elevation: 574.39 24 Sep
Instant/hourly elevation: 574.89 2200/1 Nov

LOWEST

Monthly mean elevation: 572.64 Jan
Daily mean elevation: 572.17 24 Jan
Instant/hourly elevation: 571.78 1600/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 573.01 | 573.04 | 573.43 | 573.74 | 573.74 | 573.87 | 574.35 | 574.20 | 574.39 | 574.11 | 574.27 | 573.78 |
| Day | 22 | 24 | 18 | 27 | 30 | 15 | 30 | 15 | 24 | 4 | 1 | 10 |
| Min | 572.17 | 572.51 | 572.61 | 572.94 | 573.42 | 573.56 | 573.45 | 573.43 | 573.65 | 572.86 | 572.64 | 572.58 |
| Day | 24 | 14 | 1 | 2 | 2 | 24 | 5 | 30 | 27 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 574.20 | | | | | | | 2 | | 2 | | 1 | | 574.20 | 5 |
| 574.00 | | | | | | | 6 | 8 | 9 | 1 | 2 | | 574.00 | 31 |
| 573.80 | | | | | | 1 | 11 | 18 | 14 | 1 | 5 | | 573.80 | 81 |
| 573.60 | | | | 8 | 22 | 25 | 3 | 3 | 5 | 8 | 6 | 10 | 573.60 | 171 |
| 573.40 | | | 1 | 5 | 9 | 4 | 9 | 2 | | 14 | 9 | 13 | 573.40 | 237 |
| 573.20 | | | 2 | 9 | | | | | | 5 | 5 | 3 | 573.20 | 261 |
| 573.00 | 1 | 1 | 14 | 7 | | | | | | 1 | 1 | 3 | 573.00 | 289 |
| 572.80 | 1 | 8 | 12 | 1 | | | | | | 1 | | 1 | 572.80 | 313 |
| 572.60 | 19 | 17 | 2 | | | | | | | | 1 | | 572.60 | 352 |
| 572.40 | 8 | 3 | | | | | | | | | | 1 | 572.40 | 364 |
| 572.20 | 1 | | | | | | | | | | | | 572.20 | 365 |
| 572.00 | 1 | | | | | | | | | | | | 572.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 904-4030 Wyandotte, Michigan on Detroit River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 572.69 | 572.80 | 572.61 | 573.04 | 573.66 | 573.63 | 573.82 | 573.87 | 573.84 | 573.80 | 574.27 | 573.56 |
| 2 | 572.76 | 572.83 | 573.11 | 572.94 | 573.42 | 573.63 | 573.91 | 573.88 | 574.03 | 573.57 | 573.95 | 573.60 |
| 3 | 572.77 | 572.89 | 573.06 | 573.05 | 573.56 | 573.65 | 573.45 | 573.96 | 573.74 | 573.63 | 573.34 | 573.43 |
| 4 | 572.68 | 572.66 | 573.03 | 573.16 | 573.64 | 573.72 | 573.45 | 573.92 | 573.98 | 574.11 | 573.12 | 573.52 |
| 5 | 572.71 | 572.82 | 572.98 | 573.16 | 573.67 | 573.71 | 573.45 | 574.01 | 573.99 | 573.89 | 573.35 | 572.95 |
| 6 | 572.61 | 572.83 | 573.13 | 573.22 | 573.69 | 573.62 | 573.58 | 574.04 | 573.92 | 573.76 | 573.32 | 573.27 |
| 7 | 572.63 | 572.75 | 573.00 | 573.11 | 573.66 | 573.66 | 573.60 | 574.06 | 573.94 | 573.75 | 573.60 | 573.28 |
| 8 | 572.84 | 572.66 | 572.99 | 573.22 | 573.74 | 573.65 | 573.56 | 573.84 | 573.81 | 573.78 | 573.57 | 573.57 |
| 9 | 572.50 | 572.67 | 573.10 | 573.20 | 573.68 | 573.69 | 573.49 | 573.93 | 574.02 | 573.39 | 573.54 | 573.74 |
| 10 | 572.58 | 572.81 | 572.98 | 573.32 | 573.64 | 573.64 | 573.52 | 573.92 | 573.77 | 573.42 | 573.40 | 573.78 |
| 11 | 572.53 | 572.62 | 572.79 | 573.24 | 573.67 | 573.64 | 573.65 | 573.97 | 574.07 | 573.37 | 573.41 | 573.69 |
| 12 | 572.59 | 572.76 | 572.86 | 573.18 | 573.62 | 573.62 | 573.57 | 574.02 | 574.07 | 573.11 | 573.41 | 573.71 |
| 13 | 572.63 | 572.57 | 572.91 | 573.32 | 573.61 | 573.59 | 573.70 | 574.08 | 574.07 | 573.22 | 572.64 | 573.77 |
| 14 | 572.40 | 572.51 | 573.02 | 573.26 | 573.63 | 573.61 | 573.77 | 574.15 | 573.98 | 573.66 | 573.33 | 573.71 |
| 15 | 572.75 | 572.77 | 573.00 | 573.39 | 573.66 | 573.87 | 573.91 | 574.20 | 573.97 | 573.67 | 573.51 | 573.71 |
| 16 | 572.51 | 572.63 | 573.05 | 573.33 | 573.66 | 573.78 | 574.00 | 574.01 | 573.98 | 572.86 | 573.70 | 573.46 |
| 17 | 572.44 | 572.90 | 573.03 | 573.33 | 573.51 | 573.67 | 573.93 | 573.97 | 573.85 | 573.25 | 573.79 | 573.45 |
| 18 | 572.45 | 572.92 | 573.43 | 573.56 | 573.67 | 573.71 | 573.96 | 573.82 | 573.73 | 573.34 | 573.86 | 573.64 |
| 19 | 572.52 | 572.71 | 573.22 | 573.53 | 573.68 | 573.58 | 574.02 | 573.89 | 573.91 | 573.45 | 573.98 | 573.60 |
| 20 | 572.67 | 572.63 | 573.05 | 573.50 | 573.63 | 573.64 | 573.92 | 573.94 | 574.02 | 573.60 | 573.99 | 573.19 |
| 21 | 572.69 | 572.52 | 573.09 | 573.56 | 573.64 | 573.60 | 574.12 | 573.90 | 574.03 | 573.49 | 573.73 | 573.65 |
| 22 | 573.01 | 572.69 | 573.32 | 573.42 | 573.58 | 573.64 | 574.20 | 573.93 | 573.89 | 573.58 | 574.05 | 573.41 |
| 23 | 572.76 | 572.87 | 572.96 | 573.61 | 573.60 | 573.79 | 574.17 | 573.91 | 574.14 | 573.51 | 573.70 | 573.33 |
| 24 | 572.17 | 573.04 | 572.87 | 573.61 | 573.72 | 573.56 | 574.18 | 573.87 | 574.39 | 573.49 | 573.92 | 573.17 |
| 25 | 572.78 | 572.79 | 572.85 | 573.62 | 573.71* | 573.72 | 574.04 | 573.83 | 574.24 | 573.51 | 574.01 | 572.58 |
| 26 | 572.66 | 572.68 | 572.99 | 573.73 | 573.60 | 573.67 | 573.94 | 573.80 | 574.13 | 573.46 | 573.59 | 573.15 |
| 27 | 572.73 | 572.65 | 572.93 | 573.74 | 573.57 | 573.61 | 573.97 | 573.92 | 573.65 | 573.49 | 573.67 | 573.61 |
| 28 | 572.67 | 572.72 | 573.01 | 573.72 | 573.59 | 573.72 | 573.94 | 573.66 | 573.67 | 573.45 | 573.77 | 573.49 |
| 29 | 572.62 | 572.70 | 573.15 | 573.69 | 573.68 | 573.63 | 573.88 | 573.58 | 573.82 | 573.43 | 573.53 | 573.52 |
| 30 | 572.67 | | 573.20 | 573.70 | 573.74 | 573.69 | 574.35 | 573.43 | 573.88 | 573.53 | 573.43 | 573.59 |
| 31 | 572.76 | | 573.09 | | 573.59 | | 574.21 | 573.65 | | 573.61 | | 573.54 |
| Mean | 572.64 | 572.74 | 573.02 | 573.38 | 573.64 | 573.66 | 573.85 | 573.90 | 573.95 | 573.52 | 573.62 | 573.47 |
| Max.
Hr.
Day | 573.20
0300
16 | 573.16
0800
15 | 573.89
2200
18 | 573.91
2300
23 | 574.00
0400
3 | 574.22
2000
23 | 574.84
2300
30 | 574.32
1200
15 | 574.54
2200
24 | 574.43
0800
4 | 574.89
2200
1 | 574.05
2200
9 |
| Min.
Hr.
Day | 571.78
1600
14 | 571.96
0500
21 | 572.27
1000
1 | 572.70
1200
2 | 573.00
1800
2 | 573.20
0900
24 | 573.07
2100
3 | 573.22
1500
30 | 573.20
1300
27 | 571.94
2100
16 | 571.82
0300
13 | 571.79
2000
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 573.45

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 904-4036 Fort Wayne, Detroit, Michigan on Detroit River

HIGHEST

Monthly mean elevation: 574.33 Sep
Daily mean elevation: 574.71 24 Sep
Instant/hourly elevation: 575.38 2000/5 Sep

LOWEST

Monthly mean elevation: 573.15 Jan
Daily mean elevation: 572.81 24 Jan
Instant/hourly elevation: 572.51 2100/25 Dec

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 573.53 | 573.41 | 573.78 | 574.19 | 574.11 | 574.19 | 574.65 | 574.53 | 574.71 | 574.44 | 574.52 | 574.13 |
| Day | 22     | 24     | 18     | 27     | 30     | 15     | 30     | 15     | 24     | 4      | 1      | 13     |
| Min | 572.81 | 572.95 | 573.08 | 573.38 | 573.85 | 573.96 | 573.84 | 573.86 | 574.06 | 573.36 | 573.22 | 573.07 |
| Day | 24     | 21     | 1      | 2      | 2      | 13     | 4      | 30     | 27     | 16     | 13     | 25     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 574.60 | | | | | | | 1 | | 1 | | | | 574.60 | 2 |
| 574.40 | | | | | | | 7 | 4 | 6 | 1 | 1 | | 574.40 | 21 |
| 574.20 | | | | | | | 10 | 20 | 19 | 1 | 8 | | 574.20 | 79 |
| 574.00 | | | | 7 | 21 | 26 | 4 | 6 | 4 | 6 | 6 | 10 | 574.00 | 169 |
| 573.80 | | | | 6 | 10 | 4 | 9 | 1 | | 15 | 7 | 13 | 573.80 | 234 |
| 573.60 | | | 3 | 7 | | | | | | 6 | 6 | 5 | 573.60 | 261 |
| 573.40 | 2 | 2 | 19 | 9 | | | | | | 1 | 1 | 2 | 573.40 | 297 |
| 573.20 | 7 | 13 | 7 | 1 | | | | | | 1 | 1 | | 573.20 | 327 |
| 573.00 | 17 | 13 | 2 | | | | | | | | | 1 | 573.00 | 360 |
| 572.80 | 5 | 1 | | | | | | | | | | | 572.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 904-4036 Fort Wayne, Detroit, Michigan on Detroit River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 573.13 | 573.25 | 573.08 | 573.47 | 574.05 | 574.02 | 574.17 | 574.28 | 574.23 | 574.18 | 574.52 | 573.97 |
| 2 | 573.18 | 573.27 | 573.49 | 573.38 | 573.85 | 574.03 | 574.25 | 574.28 | 574.35 | 573.97 | 574.26 | 574.01 |
| 3 | 573.19 | 573.31 | 573.46 | 573.46 | 573.98 | 574.04 | 573.87 | 574.35 | 574.15 | 574.03 | 573.71 | 573.86 |
| 4 | 573.12 | 573.15 | 573.44 | 573.57 | 574.04 | 574.08 | 573.84 | 574.31 | 574.33 | 574.44 | 573.57 | 573.93 |
| 5 | 573.15 | 573.29 | 573.38 | 573.56 | 574.06 | 574.08 | 573.88 | 574.38 | 574.38 | 574.23 | 573.75 | 573.46 |
| 6 | 573.08 | 573.26 | 573.49 | 573.60 | 574.07 | 574.01 | 573.98 | 574.40 | 574.28 | 574.12 | 573.75 | 573.69 |
| 7 | 573.09 | 573.20 | 573.41 | 573.51 | 574.06 | 574.04 | 573.98 | 574.42 | 574.32 | 574.10 | 573.97 | 573.72 |
| 8 | 573.26 | 573.15 | 573.42 | 573.60 | 574.10 | 574.04 | 573.97 | 574.22 | 574.22 | 574.12 | 573.95 | 573.96 |
| 9 | 572.97 | 573.14 | 573.51 | 573.59 | 574.06 | 574.07 | 573.90 | 574.32 | 574.39 | 573.80 | 573.91 | 574.08 |
| 10 | 573.03 | 573.21 | 573.47 | 573.69 | 574.04 | 574.02 | 573.92 | 574.30 | 574.22 | 573.80 | 573.79 | 574.13 |
| 11 | 572.99 | 573.06 | 573.32 | 573.63 | 574.05 | 574.02 | 574.04 | 574.36 | 574.47 | 573.76 | 573.80 | 574.06 |
| 12 | 573.02 | 573.32 | 573.38 | 573.56 | 574.00 | 574.00 | 573.99 | 574.39 | 574.46 | 573.54 | 573.81 | 574.09 |
| 13 | 573.07 | 573.33 | 573.41 | 573.69 | 574.00 | 573.96 | 574.10 | 574.43 | 574.45 | 573.63 | 573.22 | 574.13 |
| 14 | 572.93 | 573.35 | 573.48 | 573.64 | 574.01 | 574.00 | 574.18 | 574.50 | 574.36 | 574.00 | 573.80 | 574.08 |
| 15 | 573.22 | 573.41 | 573.50 | 573.75 | 574.04 | 574.19 | 574.33 | 574.53 | 574.36 | 574.05 | 573.96 | 574.07 |
| 16 | 573.03 | 573.16 | 573.50 | 573.72 | 574.04 | 574.13 | 574.39 | 574.37 | 574.37 | 573.36 | 574.12 | 573.85 |
| 17 | 572.98 | 573.30 | 573.48 | 573.72 | 573.91 | 574.03 | 574.36 | 574.33 | 574.24 | 573.67 | 574.21 | 573.87 |
| 18 | 573.06 | 573.32 | 573.78 | 573.92 | 574.05 | 574.05 | 574.40 | 574.20 | 574.14 | 573.75 | 574.27 | 574.01 |
| 19 | 573.35 | 573.11 | 573.62 | 573.92 | 574.05 | 574.01 | 574.42 | 574.27 | 574.30 | 573.86 | 574.35 | 573.96 |
| 20 | 573.35 | 573.05 | 573.48 | 573.90 | 574.01 | 574.02 | 574.35 | 574.31 | 574.40 | 573.99 | 574.34 | 573.64 |
| 21 | 573.42 | 572.95 | 573.49 | 573.97 | 574.01 | 574.01 | 574.50 | 574.27 | 574.40 | 573.89 | 574.09 | 574.02 |
| 22 | 573.53 | 573.09 | 573.68 | 573.86 | 573.97 | 574.04 | 574.56 | 574.29 | 574.31 | 573.97 | 574.35 | 573.82 |
| 23 | 573.34 | 573.28 | 573.33 | 574.00 | 574.01 | 574.15 | 574.54 | 574.27 | 574.52 | 573.90 | 574.15 | 573.77 |
| 24 | 572.81 | 573.41 | 573.22 | 574.04 | 574.11 | 573.99 | 574.54 | 574.24 | 574.71 | 573.89 | 574.30 | 573.61 |
| 25 | 573.28 | 573.19 | 573.20 | 574.07 | 574.10 | 574.10 | 574.42 | 574.20 | 574.59 | 573.91 | 574.38 | 573.07 |
| 26 | 573.23 | 573.21 | 573.34 | 574.18 | 573.99 | 574.06 | 574.33 | 574.19 | 574.47 | 573.85 | 574.05 | 573.57 |
| 27 | 573.18 | 573.13 | 573.36 | 574.19 | 573.95 | 574.02 | 574.36 | 574.28 | 574.06 | 573.89 | 574.09 | 573.96 |
| 28 | 573.12 | 573.18 | 573.43 | 574.17 | 573.97 | 574.10 | 574.32 | 574.10 | 574.07 | 573.84 | 574.17 | 573.85 |
| 29 | 573.10 | 573.15 | 573.55 | 574.11 | 574.04 | 574.02 | 574.28 | 574.01 | 574.21 | 573.82 | 573.96 | 573.89 |
| 30 | 573.14 | | 573.59 | 574.12 | 574.11 | 574.08 | 574.65 | 573.86 | 574.26 | 573.91 | 573.87 | 573.98 |
| 31 | 573.20 | | 573.49 | | 573.99 | | 574.59 | 574.06 | | 573.96 | | 573.96 |
| Mean | 573.15 | 573.22 | 573.44 | 573.79 | 574.02 | 574.05 | 574.24 | 574.28 | 574.33 | 573.91 | 574.02 | 573.87 |
| Max. | 573.61 | 573.68 | 574.11 | 574.27 | 574.38 | 574.48 | 575.10 | 574.63 | 575.38 | 574.68 | 575.00 | 574.31 |
| Hr. | 1200 | 0800 | 2200 | 2100 | 1500 | 2000 | 2200 | 1300 | 2000 | 0900 | 2300 | 2200 |
| Day | 22 | 15 | 18 | 30 | 23 | 23 | 30 | 15 | 5 | 4 | 1 | 9 |
| Min. | 572.54 | 572.55 | 572.76 | 573.22 | 573.45 | 573.70 | 573.57 | 573.68 | 573.67 | 572.63 | 572.58 | 572.51 |
| Hr. | 1700 | 0500 | 0900 | 1200 | 1800 | 0900 | 2100 | 1700 | 1200 | 2000 | 0200 | 2100 |
| Day | 14 | 21 | 1 | 2 | 2 | 24 | 3 | 30 | 27 | 16 | 13 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 573.86

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 904-4049 Windmill Point, Detroit, Michigan on the Detroit River

HIGHEST

Monthly mean elevation: 575.05 Sep
Daily mean elevation: 575.36 24 Sep
Instant/hourly elevation: 575.57 0800/31 Jul

LOWEST

Monthly mean elevation: 573.92 Jan
Daily mean elevation: 573.70 21 Feb
Instant/hourly elevation: 573.53 0400/21 Feb

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 574.14 | 574.11 | 574.48 | 575.06 | 574.93 | 574.84 | 575.31 | 575.18 | 575.36 | 575.06 | 575.15 | 574.83 |
| Day | 15 | 17 | 18 | 27 | 24 | 20 | 31 | 15 | 24 | 4 | 25 | 13 |
| Min | 573.75 | 573.70 | 573.84 | 574.24 | 574.65 | 574.69 | 574.56 | 574.67 | 574.88 | 574.31 | 574.28 | 573.99 |
| Day | 28 | 21 | 25 | 2 | 17 | 17 | 4 | 30 | 28 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 575.20 | | | | | | | 6 | | 4 | | | | 575.20 | 10 |
| 575.00 | | | | 2 | | | 11 | 15 | 12 | 1 | 8 | | 575.00 | 59 |
| 574.80 | | | | 5 | 12 | 6 | 4 | 14 | 14 | 5 | 8 | 2 | 574.80 | 129 |
| 574.60 | | | | 6 | 19 | 24 | 9 | 2 | | 15 | 6 | 20 | 574.60 | 230 |
| 574.40 | | | 4 | 6 | | | 1 | | | 8 | 7 | 8 | 574.40 | 264 |
| 574.20 | | | 18 | 11 | | | | | | 2 | 1 | | 574.20 | 296 |
| 574.00 | 5 | 16 | 5 | | | | | | | | | | 574.00 | 322 |
| 573.80 | 22 | 10 | 4 | | | | | | | | | 1 | 573.80 | 359 |
| 573.60 | 4 | 3 | | | | | | | | | | | 573.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 904-4049 Windmill Point, Detroit, Michigan on the Detroit River

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 573.96 | 574.04 | 573.93 | 574.29 | 574.79 | 574.80 | 574.82 | 575.05 | 574.94 | 574.93 | 575.03 | 574.74 |
| 2 | 573.97 | 574.07 | 574.21 | 574.24 | 574.68 | 574.75 | 574.87 | 575.00 | 574.98 | 574.77 | 574.81 | 574.77 |
| 3 | 573.97 | 574.09 | 574.21 | 574.25 | 574.77 | 574.76 | 574.65 | 575.08 | 574.89 | 574.82 | 574.46 | 574.72 |
| 4 | 573.95 | 574.03 | 574.21 | 574.36 | 574.83 | 574.79 | 574.56 | 575.05 | 575.00 | 575.06 | 574.43 | 574.71 |
| 5 | 573.98 | 574.09 | 574.16 | 574.33 | 574.84 | 574.77 | 574.68 | 575.06 | 574.99 | 574.94 | 574.55 | 574.47 |
| 6 | 573.94 | 574.05 | 574.18 | 574.33 | 574.85 | 574.74 | 574.72 | 575.07 | 574.95 | 574.83 | 574.60 | 574.50 |
| 7 | 573.95 | 574.07 | 574.18 | 574.28 | 574.81 | 574.78 | 574.70 | 575.08 | 575.04 | 574.81 | 574.76 | 574.59 |
| 8 | 574.03 | 574.02 | 574.22 | 574.34 | 574.83 | 574.82 | 574.69 | 574.93 | 574.97 | 574.76 | 574.70 | 574.71 |
| 9 | 573.84 | 574.01 | 574.28 | 574.35 | 574.82 | 574.81 | 574.66 | 575.04 | 575.09 | 574.54 | 574.63 | 574.75 |
| 10 | 573.89 | 573.95 | 574.44 | 574.42 | 574.79 | 574.75 | 574.68 | 575.01 | 574.99 | 574.54 | 574.51 | 574.79 |
| 11 | 573.86 | 573.89 | 574.34 | 574.35 | 574.78 | 574.75 | 574.75 | 575.08 | 575.21 | 574.55 | 574.58 | 574.79 |
| 12 | 573.78 | 573.98 | 574.37 | 574.37 | 574.74 | 574.72 | 574.72 | 575.08 | 575.18 | 574.38 | 574.54 | 574.81 |
| 13 | 573.89 | 573.97 | 574.37 | 574.41 | 574.78 | 574.70 | 574.85 | 575.13 | 575.13 | 574.42 | 574.28 | 574.83 |
| 14 | 574.00 | 573.98 | 574.39 | 574.41 | 574.75 | 574.76 | 574.93 | 575.16 | 575.09 | 574.67 | 574.69 | 574.80 |
| 15 | 574.14 | 574.08 | 574.39 | 574.45 | 574.76 | 574.81 | 575.07 | 575.18 | 575.04 | 574.74 | 574.84 | 574.75 |
| 16 | 573.92 | 574.05 | 574.27 | 574.47 | 574.74 | 574.80 | 575.09 | 575.10 | 575.06 | 574.31 | 574.90 | 574.55 |
| 17 | 573.91 | 574.11 | 574.31 | 574.51 | 574.65 | 574.69 | 575.12 | 575.02 | 574.95 | 574.50 | 575.03 | 574.67 |
| 18 | 573.94 | 574.04 | 574.48 | 574.64 | 574.84 | 574.73 | 575.16 | 574.92 | 574.89 | 574.57 | 575.08 | 574.71 |
| 19 | 574.06 | 573.88 | 574.44 | 574.67 | 574.76 | 574.81 | 575.16 | 574.98 | 575.03 | 574.67 | 575.10 | 574.66 |
| 20 | 574.04 | 573.77 | 574.29 | 574.65 | 574.77 | 574.84 | 575.13 | 575.00 | 575.09 | 574.65 | 575.07 | 574.50 |
| 21 | 573.98 | 573.70 | 574.26 | 574.71 | 574.75 | 574.78 | 575.22 | 574.94 | 575.07 | 574.70 | 574.83 | 574.69 |
| 22 | 574.03 | 573.74 | 574.41 | 574.66 | 574.72 | 574.79 | 575.22 | 574.95 | 575.11 | 574.73 | 575.01 | 574.61 |
| 23 | 573.95 | 573.95 | 574.04 | 574.77 | 574.82 | 574.82 | 575.26 | 574.95 | 575.27 | 574.64 | 575.00 | 574.57 |
| 24 | 573.76 | 574.10 | 573.88 | 574.90 | 574.93 | 574.77 | 575.21 | 574.91 | 575.36 | 574.71 | 575.07 | 574.44 |
| 25 | 573.88 | 574.03 | 573.84 | 574.93 | 574.84 | 574.79 | 575.14 | 574.87 | 575.26 | 574.69 | 575.15 | 573.99 |
| 26 | 573.84 | 573.98 | 573.99 | 575.04 | 574.78 | 574.80 | 575.08 | 574.89 | 575.17 | 574.62 | 574.92 | 574.41 |
| 27 | 573.78 | 573.95 | 574.20 | 575.06 | 574.73 | 574.79 | 575.09 | 574.99 | 574.89 | 574.68 | 574.93 | 574.63 |
| 28 | 573.75 | 573.98 | 574.25 | 574.96 | 574.73 | 574.79 | 575.01 | 574.89 | 574.88 | 574.60 | 574.97 | 574.61 |
| 29 | 573.81 | 574.02 | 574.32 | 574.87 | 574.75 | 574.75 | 575.02 | 574.80 | 574.98 | 574.59 | 574.80 | 574.63 |
| 30 | 573.86 | | 574.35 | 574.93 | 574.81 | 574.78 | 575.25 | 574.67 | 575.00 | 574.65 | 574.71 | 574.70 |
| 31 | 573.96 | | 574.27 | | 574.82 | | 575.31 | 574.86 | | 574.68 | | 574.75 |
| Mean | 573.92 | 573.99 | 574.24 | 574.57 | 574.78 | 574.77 | 574.96 | 574.99 | 575.05 | 574.67 | 574.80 | 574.64 |
| Max.
Hr.
Day | 574.54
1900
15 | 574.42
1800
28 | 574.69
0900
10 | 575.15
1700
27 | 575.26
1500
23 | 575.04
1900
23 | 575.57
0800
31 | 575.34
0100
11 | 575.46
0800
24 | 575.19
0700
4 | 575.33
2400
22 | 574.91
0600
13 |
| Min.
Hr.
Day | 573.64
1700
12 | 573.53
0400
21 | 573.63
0400
1 | 574.18
0400
3 | 574.28
1700
17 | 574.41
2100
17 | 574.41
2000
4 | 574.50
1600
30 | 574.61
0800
27 | 573.82
2000
16 | 573.78
0100
13 | 573.73
1500
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 574.62

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 903-4052 St. Clair Shores, Michigan on Lake St. Clair

HIGHEST

Monthly mean elevation: 575.34 Sep
Daily mean elevation: 575.60 24 Sep
Instant/hourly elevation: 575.74 0900/31 Jul

LOWEST

Monthly mean elevation: 574.18 Jan
Daily mean elevation: 573.99 21 Feb
Instant/hourly elevation: 573.71 0900/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 574.36 | 574.45 | 574.63 | 575.22 | 575.03 | 575.07 | 575.51 | 575.43 | 575.60 | 575.21 | 575.37 | 575.08 |
| Day | 15     | 24     | 18     | 27     | 1      | 23     | 31     | 15     | 24     | 4      | 25     | 13     |
| Min | 574.01 | 573.99 | 574.06 | 574.43 | 574.87 | 574.90 | 574.85 | 575.08 | 575.17 | 574.69 | 574.74 | 574.51 |
| Day | 28     | 21     | 25     | 2      | 17     | 13     | 4      | 30     | 28     | 16     | 4      | 25     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 575.40 | | | | | | | 11 | 2 | 7 | | | | 575.40 | 20 |
| 575.20 | | | | 2 | | | 7 | 22 | 21 | 1 | 9 | | 575.20 | 82 |
| 575.00 | | | | 5 | 2 | 10 | 3 | 7 | 2 | 7 | 9 | 7 | 575.00 | 134 |
| 574.80 | | | | 6 | 29 | 20 | 10 | | | 19 | 9 | 19 | 574.80 | 246 |
| 574.60 | | | 3 | 4 | | | | | | 4 | 3 | 4 | 574.60 | 264 |
| 574.40 | | 2 | 18 | 13 | | | | | | | | 1 | 574.40 | 298 |
| 574.20 | 13 | 23 | 7 | | | | | | | | | | 574.20 | 341 |
| 574.00 | 18 | 3 | 3 | | | | | | | | | | 574.00 | 365 |
| 573.80 | | 1 | | | | | | | | | | | 573.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 903-4052 St. Clair Shores, Michigan on Lake St. Clair

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 574.20 | 574.30 | 574.25 | 574.47 | 575.03 | 574.97 | 575.04 | 575.38 | 575.24 | 575.19 | 575.09 | 575.01 |
| 2 | 574.21 | 574.36 | 574.40 | 574.43 | 574.91 | 574.96 | 575.09 | 575.35 | 575.31 | 575.09 | 575.09 | 575.01 |
| 3 | 574.21 | 574.37 | 574.41 | 574.49 | 574.97 | 574.95 | 574.93 | 575.40 | 575.19 | 575.09 | 574.76 | 574.96 |
| 4 | 574.18 | 574.33 | 574.41 | 574.55 | 574.99 | 574.98 | 574.85 | 575.34 | 575.26 | 575.21 | 574.74 | 574.97 |
| 5 | 574.21 | 574.36 | 574.37 | 574.53 | 575.00 | 574.98 | 574.94 | 575.35 | 575.26 | 575.17 | 574.82 | 574.73 |
| 6 | 574.19 | 574.34 | 574.36 | 574.55 | 575.00 | 574.95 | 574.96 | 575.36 | 575.25 | 575.10 | 574.85 | 574.82 |
| 7 | 574.19 | 574.31 | 574.39 | 574.50 | 574.99 | 574.99 | 574.98 | 575.39 | 575.33 | 575.08 | 574.98 | 574.85 |
| 8 | 574.28 | 574.30 | 574.43 | 574.54 | 574.99 | 574.99 | 574.97 | 575.26 | 575.31 | 575.04 | 574.96 | 574.93 |
| 9 | 574.13 | 574.30 | 574.51 | 574.54 | 574.99 | 575.00 | 574.92 | 575.34 | 575.40 | 574.91 | 574.92 | 575.00 |
| 10 | 574.13 | 574.25 | 574.52 | 574.61 | 574.97 | 574.95 | 574.95 | 575.31 | 575.34 | 574.85 | 574.84 | 575.03 |
| 11 | 574.15 | 574.20 | 574.53 | 574.54 | 574.96 | 574.94 | 575.00 | 575.33 | 575.49 | 574.82 | 574.83 | 574.97 |
| 12 | 574.11 | 574.26 | 574.58 | 574.53 | 574.93 | 574.93 | 575.00 | 575.37 | 575.49 | 574.72 | 574.81 | 575.04 |
| 13 | 574.15 | 574.21 | 574.60 | 574.59 | 574.95 | 574.90 | 575.11 | 575.39 | 575.45 | 574.74 | 574.75 | 575.08 |
| 14 | 574.05 | 574.22 | 574.62 | 574.59 | 574.93 | 574.93 | 575.21 | 575.41 | 575.36 | 574.93 | 575.00 | 575.04 |
| 15 | 574.36 | 574.34 | 574.60 | 574.63 | 574.93 | 574.96 | 575.34 | 575.43 | 575.34 | 574.99 | 575.10 | 575.02 |
| 16 | 574.30 | 574.39 | 574.56 | 574.65 | 574.93 | 574.97 | 575.39 | 575.39 | 575.37 | 574.69 | 575.19 | 574.88 |
| 17 | 574.25 | 574.40 | 574.54 | 574.68 | 574.87 | 574.95 | 575.42 | 575.34 | 575.28 | 574.79 | 575.26 | 574.93 |
| 18 | 574.28 | 574.38 | 574.63 | 574.82 | 574.97 | 575.01 | 575.46 | 575.25 | 575.22 | 574.87 | 575.30 | 574.96 |
| 19 | 574.29 | 574.22 | 574.61 | 574.84 | 574.93 | 575.02 | 575.48 | 575.26 | 575.31 | 574.92 | 575.32 | 574.94 |
| 20 | 574.27 | 574.11 | 574.52 | 574.87 | 574.93 | 575.00 | 575.44 | 575.30 | 575.38 | 574.96 | 575.31 | 574.80 |
| 21 | 574.22 | 573.99 | 574.48 | 574.92 | 574.93 | 574.99 | 575.49 | 575.26 | 575.38 | 574.97 | 575.10 | 574.96 |
| 22 | 574.23 | 574.07 | 574.54 | 574.90 | 574.91 | 575.02 | 575.50 | 575.25 | 575.36 | 574.99 | 575.16 | 574.92 |
| 23 | 574.18 | 574.26 | 574.28 | 574.96 | 574.94 | 575.07 | 575.50 | 575.24 | 575.49 | 574.93 | 575.25 | 574.83 |
| 24 | 574.07 | 574.45 | 574.11 | 575.07 | 575.00 | 575.01 | 575.48 | 575.20 | 575.60 | 574.93 | 575.31 | 574.77 |
| 25 | 574.11 | 574.41 | 574.06 | 575.12 | 575.00 | 575.01 | 575.43 | 575.18 | 575.55 | 574.95 | 575.37 | 574.51 |
| 26 | 574.10 | 574.27 | 574.19 | 575.21 | 574.96 | 575.02 | 575.37 | 575.18 | 575.46 | 574.91 | 575.24 | 574.72 |
| 27 | 574.03 | 574.23 | 574.33 | 575.22 | 574.94 | 575.01 | 575.37 | 575.24 | 575.23 | 574.94 | 575.18 | 574.93 |
| 28 | 574.01 | 574.21 | 574.44 | 575.17 | 574.93 | 575.03 | 575.33 | 575.16 | 575.17 | 574.88 | 575.21 | 574.88 |
| 29 | 574.07 | 574.25 | 574.53 | 575.11 | 574.92 | 574.99 | 575.33 | 575.14 | 575.25 | 574.84 | 575.10 | 574.90 |
| 30 | 574.12 | | 574.54 | 575.12 | 575.02 | 575.01 | 575.47 | 575.08 | 575.25 | 574.87 | 575.02 | 574.94 |
| 31 | 574.21 | | 574.46 | | 574.97 | | 575.51 | 575.17 | | 574.89 | | 575.00 |
| Mean | 574.18 | 574.28 | 574.45 | 574.76 | 574.96 | 574.98 | 575.23 | 575.29 | 575.34 | 574.94 | 575.06 | 574.91 |
| Max.
Hr.
Day | 574.48
1900
15 | 574.53
2300
24 | 574.79
0600
22 | 575.31
1700
27 | 575.42
1400
23 | 575.30
0100
18 | 575.74
0900
31 | 575.52
2400
10 | 575.67
0800
24 | 575.31
2400
4 | 575.48
1800
25 | 575.18
0400
10 |
| Min.
Hr.
Day | 573.71
0900
14 | 573.88
0400
21 | 573.96
1400
25 | 574.38
0200
12 | 574.59
1800
2 | 574.51
2100
17 | 574.77
1600
4 | 574.96
1600
30 | 574.96
0800
27 | 574.25
1200
16 | 574.10
2000
12 | 574.23
1800
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 574.86

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 901-4070 Algonac, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 575.83 Sep
Daily mean elevation: 576.14 22 Feb
Instant/hourly elevation: 576.48 0400/22 Feb

LOWEST

Monthly mean elevation: 574.93 Jan
Daily mean elevation: 574.69 3 Jan
Instant/hourly elevation: 574.61 0300/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 575.91 | 576.14 | 575.44 | 575.63 | 575.51 | 575.54 | 575.93 | 575.92 | 576.02 | 575.72 | 575.88 | 575.83 |
| Day | 18     | 22     | 23     | 26     | 1      | 18     | 19     | 2      | 10     | 1      | 26     | 25     |
| Min | 574.69 | 574.90 | 574.78 | 574.98 | 575.31 | 575.33 | 575.45 | 575.66 | 575.67 | 575.27 | 575.19 | 575.35 |
| Day | 3      | 8      | 26     | 9      | 18     | 14     | 7      | 26     | 4      | 31     | 1      | 28     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 576.00 | | 2 | | | | | | | 1 | | | | 576.00 | 3 |
| 575.80 | 1 | 4 | | | | | 14 | 10 | 20 | | 1 | 1 | 575.80 | 54 |
| 575.60 | | 2 | | 1 | | | 4 | 21 | 9 | 6 | 14 | 5 | 575.60 | 116 |
| 575.40 | 1 | 4 | 1 | 7 | 6 | 17 | 13 | | | 20 | 11 | 22 | 575.40 | 218 |
| 575.20 | 1 | 4 | 7 | 5 | 25 | 13 | | | | 5 | 3 | 3 | 575.20 | 284 |
| 575.00 | 7 | 8 | 18 | 12 | | | | | | | 1 | | 575.00 | 330 |
| 574.80 | 4 | 5 | 4 | 5 | | | | | | | | | 574.80 | 348 |
| 574.60 | 14 | | 1 | | | | | | | | | | 574.60 | 363 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 901-4070 Algonac, Michigan on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 574.72 | 575.01 | 575.01 | 575.07 | 575.51 | 575.41 | 575.46 | 575.92 | 575.73 | 575.72 | 575.19 | 575.66 |
| 2 | 574.69 | 575.02 | 574.89 | 575.02 | 575.49 | 575.40 | 575.45 | 575.92 | 575.73 | 575.69 | 575.31 | 575.64 |
| 3 | 574.69 | 575.04 | 574.87 | 575.03 | 575.45 | 575.38 | 575.48 | 575.84 | 575.73 | 575.61 | 575.36 | 575.57 |
| 4 | 574.71 | 575.04 | 574.88 | 574.99 | 575.41 | 575.37 | 575.49 | 575.82 | 575.67 | 575.52 | 575.44 | 575.63 |
| 5 | 574.74 | 574.97 | 575.10 | 575.03 | 575.39 | 575.38 | 575.47 | 575.82 | 575.68 | 575.55 | 575.42 | 575.58 |
| 6 | 574.75 | 574.96 | 575.27 | 574.99 | 575.41 | 575.39 | 575.45 | 575.80 | 575.73 | 575.55 | 575.41 | 575.61 |
| 7 | 574.77 | 574.93 | 575.30 | 574.99 | 575.40 | 575.43 | 575.45 | 575.79 | 575.80 | 575.52 | 575.41 | 575.52 |
| 8 | 574.72 | 574.90 | 575.19 | 574.99 | 575.38 | 575.41 | 575.46 | 575.88 | 575.86 | 575.52 | 575.41 | 575.45 |
| 9 | 574.75 | 575.00 | 575.03 | 574.98 | 575.40 | 575.39 | 575.47 | 575.82 | 575.88 | 575.68 | 575.44 | 575.46 |
| 10 | 574.75 | 575.14 | 575.07 | 575.01 | 575.40 | 575.39 | 575.50 | 575.82 | 576.02 | 575.50 | 575.41 | 575.46 |
| 11 | 574.77 | 575.22 | 575.21 | 575.02 | 575.37 | 575.38 | 575.49 | 575.77 | 575.93 | 575.41 | 575.34 | 575.43 |
| 12 | 574.80 | 575.20 | 575.20 | 575.04 | 575.35 | 575.37 | 575.55 | 575.77 | 575.89 | 575.50 | 575.54 | 575.49 |
| 13 | 574.72 | 575.57 | 575.19 | 575.07 | 575.33 | 575.37 | 575.58 | 575.76 | 575.87 | 575.45 | 575.79 | 575.50 |
| 14 | 574.84 | 575.50 | 575.19 | 575.04 | 575.34 | 575.33 | 575.69 | 575.78 | 575.81 | 575.38 | 575.73 | 575.49 |
| 15 | 574.86 | 575.21 | 575.14 | 575.03 | 575.36 | 575.34 | 575.79 | 575.79 | 575.81 | 575.46 | 575.71 | 575.50 |
| 16 | 575.01 | 575.13 | 575.16 | 575.10 | 575.35 | 575.39 | 575.83 | 575.79 | 575.86 | 575.64 | 575.78 | 575.55 |
| 17 | 575.56 | 575.45 | 575.07 | 575.14 | 575.40 | 575.44 | 575.87 | 575.79 | 575.83 | 575.49 | 575.70 | 575.47 |
| 18 | 575.91* | 575.88 | 575.01 | 575.22 | 575.31 | 575.54 | 575.92 | 575.80 | 575.86 | 575.52 | 575.69 | 575.47 |
| 19 | / | 575.82 | 575.01 | 575.25 | 575.35 | 575.49 | 575.93 | 575.76 | 575.82 | 575.50 | 575.65 | 575.51 |
| 20 | / | 575.86 | 575.36 | 575.27 | 575.37 | 575.46 | 575.91 | 575.73 | 575.82 | 575.65 | 575.59 | 575.57 |
| 21 | / | 576.13 | 575.25 | 575.33 | 575.37 | 575.45 | 575.89 | 575.74 | 575.89 | 575.46 | 575.54 | 575.54 |
| 22 | 575.06* | 576.14 | 575.07 | 575.42 | 575.34 | 575.47 | 575.84 | 575.71 | 575.93 | 575.45 | 575.53 | 575.50 |
| 23 | 575.05 | 575.46 | 575.44 | 575.40 | 575.34 | 575.50 | 575.86 | 575.67 | 575.92 | 575.45 | 575.75 | 575.50 |
| 24 | 575.25 | 575.37 | 575.39 | 575.48 | 575.33 | 575.45 | 575.87 | 575.67 | 575.90 | 575.44 | 575.78 | 575.57 |
| 25 | 575.02 | 575.61 | 575.01 | 575.59 | 575.38 | 575.44 | 575.86 | 575.66 | 575.90 | 575.46 | 575.78 | 575.83 |
| 26 | 574.86 | 575.85 | 574.78 | 575.63 | 575.39 | 575.46 | 575.83 | 575.66 | 575.86 | 575.47 | 575.88 | 575.47 |
| 27 | 574.80 | 575.74 | 574.91 | 575.60 | 575.40 | 575.47 | 575.82 | 575.67 | 575.89 | 575.41 | 575.74 | 575.41 |
| 28 | 574.97 | 575.32 | 575.15 | 575.59 | 575.38 | 575.46 | 575.85 | 575.77 | 575.82 | 575.39 | 575.72 | 575.35 |
| 29 | 575.18 | 575.02 | 575.05 | 575.58 | 575.36 | 575.46 | 575.78 | 575.82 | 575.78 | 575.33 | 575.78 | 575.36 |
| 30 | 575.06 | | 575.17 | 575.50 | 575.41 | 575.44 | 575.77 | 575.90 | 575.73 | 575.32 | 575.71 | 575.40 |
| 31 | 575.03 | | 575.28 | | 575.39 | | 575.83 | 575.77 | | 575.27 | | 575.61 |
| Mean | 574.93 | 575.36 | 575.12 | 575.21 | 575.38 | 575.42 | 575.69 | 575.78 | 575.83 | 575.49 | 575.58 | 575.52 |
| Max.
Hr.
Day | 575.97
0500
18 | 576.48
0400
22 | 575.58
0500
24 | 575.68
0200
27 | 575.94
1700
17 | 575.92
0400
18 | 576.04
0200
20 | 576.04
0400
30 | 576.20
0200
10 | 575.85
2400
8 | 576.03
2300
12 | 576.21
0100
25 |
| Min.
Hr.
Day | 574.61
0300
14 | 574.82
2100
28 | 574.74
1300
26 | 574.84
0500
11 | 575.14
1600
23 | 575.21
1900
4 | 575.18
0500
2 | 575.53
1800
27 | 575.52
1700
4 | 575.22
2000
30 | 575.10
2000
2 | 575.28
0800
29 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 575.44

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 901-4080 St. Clair S.P., St. Clair, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 576.99 Sep
Daily mean elevation: 577.42 21 Feb
Instant/hourly elevation: 578.23 0700/21 Feb

LOWEST

Monthly mean elevation: 576.42 Mar
Daily mean elevation: 576.02 12 Jan
Instant/hourly elevation: 575.85 2000/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 577.41 | 577.42 | 576.99 | 576.90 | 576.81 | 576.90 | 577.12 | 577.07 | 577.23 | 576.90 | 577.01 | 577.01 |
| Day | 19 | 21 | 23 | 26 | 24 | 19 | 20 | 28 | 22 | 3 | 27 | 5 |
| Min | 576.02 | 576.13 | 576.15 | 576.21 | 576.60 | 576.56 | 576.61 | 576.82 | 576.82 | 576.54 | 576.17 | 576.57 |
| Day | 12 | 10 | 26 | 11 | 11 | 17 | 3 | 24 | 2 | 31 | 2 | 27 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 577.40 | 1 | 1 | | | | | | | | | | | 577.40 | 2 |
| 577.20 | 4 | 2 | | | | | | | 1 | | | | 577.20 | 9 |
| 577.00 | 1 | 1 | | | | | 15 | 13 | 8 | | 2 | 1 | 577.00 | 50 |
| 576.80 | 4 | 2 | 2 | 3 | 1 | 2 | 5 | 18 | 21 | 7 | 14 | 13 | 576.80 | 142 |
| 576.60 | 3 | 2 | 2 | 6 | 29 | 27 | 11 | | | 21 | 8 | 15 | 576.60 | 266 |
| 576.40 | 1 | 7 | 12 | 6 | 1 | 1 | | | | 3 | 3 | 2 | 576.40 | 302 |
| 576.20 | 5 | 12 | 11 | 15 | | | | | | | 2 | | 576.20 | 347 |
| 576.00 | 12 | 2 | 4 | | | | | | | | 1 | | 576.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 901-4080 St. Clair S.P., St. Clair, Michigan on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 576.09 | 576.34 | 576.31 | 576.37 | 576.67 | 576.73 | 576.75 | 577.04 | 576.96 | 576.87 | 576.39 | 576.87 |
| 2 | 576.04 | 576.26 | 576.17 | 576.39 | 576.78 | 576.68 | 576.65 | 577.07 | 576.82 | 576.88 | 576.17 | 576.92 |
| 3 | 576.02 | 576.23 | 576.15 | 576.34 | 576.77 | 576.68 | 576.61 | 577.01 | 576.90 | 576.90 | 576.37 | 576.95 |
| 4 | 576.14 | 576.40 | 576.15 | 576.30 | 576.74 | 576.65 | 576.73 | 577.04 | 576.90 | 576.78 | 576.66 | 576.87 |
| 5 | 576.17 | 576.26 | 576.30 | 576.34 | 576.71 | 576.65 | 576.75 | 577.03 | 576.84 | 576.80 | 576.72 | 577.01 |
| 6 | 576.14 | 576.14 | 576.40 | 576.22 | 576.72 | 576.69 | 576.75 | 576.98 | 576.86 | 576.76 | 576.78 | 576.88 |
| 7 | 576.22 | 576.24 | 576.41 | 576.26 | 576.67 | 576.73 | 576.73 | 576.93 | 576.97 | 576.74 | 576.68 | 576.93 |
| 8 | 576.04 | 576.28 | 576.41 | 576.31 | 576.69 | 576.74 | 576.68 | 576.96 | 576.98 | 576.66 | 576.63 | 576.80 |
| 9 | 576.07 | 576.29 | 576.23 | 576.25 | 576.70 | 576.71 | 576.77 | 577.02 | 576.94 | 576.72 | 576.56 | 576.66 |
| 10 | 576.20 | 576.13 | 576.66 | 576.30 | 576.69 | 576.68 | 576.77 | 576.97 | 577.10 | 576.69 | 576.50 | 576.62 |
| 11 | 576.16 | 576.56 | 576.63 | 576.21 | 576.60 | 576.67 | 576.77 | 577.02 | 577.14 | 576.70 | 576.66 | 576.77 |
| 12 | 576.02 | 576.35 | 576.59 | 576.47 | 576.61 | 576.63 | 576.81 | 577.01 | 576.98 | 576.76 | 576.72 | 576.82 |
| 13 | 576.16 | 576.60 | 576.50 | 576.37 | 576.68 | 576.67 | 576.88 | 576.99 | 576.97 | 576.77 | 576.95 | 576.77 |
| 14 | 576.67 | 576.54 | 576.50 | 576.33 | 576.70 | 576.67 | 576.96 | 577.01 | 576.88 | 576.66 | 577.01 | 576.72 |
| 15 | 576.31 | 576.36 | 576.47 | 576.32 | 576.64 | 576.62 | 577.02 | 576.99 | 576.96 | 576.71 | 576.92 | 576.67 |
| 16 | 576.29 | 576.34 | 576.32 | 576.32 | 576.62 | 576.62 | 577.01 | 576.99 | 576.91 | 576.73 | 576.89 | 576.64 |
| 17 | 576.70 | 576.56 | 576.44 | 576.44 | 576.62 | 576.56 | 577.03 | 576.96 | 576.98 | 576.87 | 576.90 | 576.80 |
| 18 | 577.30 | 576.77 | 576.35 | 576.48 | 576.70 | 576.78 | 577.11 | 576.95 | 577.02 | 576.85 | 576.90 | 576.77 |
| 19 | 577.41 | 577.37 | 576.31 | 576.45 | 576.64 | 576.90 | 577.07 | 576.99 | 577.08 | 576.82 | 576.87 | 576.66 |
| 20 | 577.37 | 577.27 | 576.56 | 576.48 | 576.67 | 576.84 | 577.12 | 576.94 | 576.98 | 576.72 | 576.65 | 576.91 |
| 21 | 577.35 | 577.42 | 576.51 | 576.54 | 576.65 | 576.80 | 577.11 | 576.93 | 577.00 | 576.72 | 576.60 | 576.77 |
| 22 | 576.99 | 577.01 | 576.35 | 576.66 | 576.63 | 576.78 | 577.02 | 576.90 | 577.23 | 576.63 | 576.88 | 576.77 |
| 23 | 576.75 | 576.58 | 576.99 | 576.65 | 576.73 | 576.73 | 577.02 | 576.83 | 577.17 | 576.61 | 576.98 | 576.87 |
| 24 | 577.08 | 576.47 | 576.90 | 576.74 | 576.81 | 576.72 | 577.03 | 576.82 | 577.03 | 576.85 | 577.00 | 576.92 |
| 25 | 576.98 | 576.65 | 576.22 | 576.88 | 576.72 | 576.72 | 577.01 | 576.83 | 576.98 | 576.71 | 577.00 | 576.94 |
| 26 | 577.26 | 576.96 | 576.15 | 576.90 | 576.69 | 576.75 | 577.01 | 576.86 | 576.94 | 576.71 | 576.97 | 576.98 |
| 27 | 576.88 | 576.82 | 576.42 | 576.87 | 576.71 | 576.78 | 577.06 | 576.95 | 576.98 | 576.69 | 577.01 | 576.57 |
| 28 | 576.81 | 576.57 | 576.53 | 576.80 | 576.68 | 576.75 | 577.02 | 577.07 | 577.07 | 576.60 | 576.95 | 576.60 |
| 29 | 576.47 | 576.32 | 576.34 | 576.77 | 576.66 | 576.76 | 576.99 | 577.06 | 577.12 | 576.62 | 576.97 | 576.62 |
| 30 | 576.33 | | 576.39 | 576.77 | 576.69 | 576.73 | 576.97 | 577.02 | 576.93 | 576.59 | 576.94 | 576.68 |
| 31 | 576.37 | | 576.48 | | 576.73 | | 577.02 | 577.06 | | 576.54 | | 576.90 |
| Mean | 576.54 | 576.56 | 576.42 | 576.48 | 576.69 | 576.71 | 576.91 | 576.98 | 576.99 | 576.73 | 576.77 | 576.79 |
| Max. | 577.64 | 578.23 | 577.33 | 576.99 | 577.43 | 577.27 | 577.26 | 577.34 | 577.53 | 577.17 | 577.31 | 577.83 |
| Hr. | 1000 | 0700 | 1300 | 1100 | 2000 | 0400 | 1900 | 1500 | 2300 | 2400 | 1900 | 1700 |
| Day | 20 | 21 | 23 | 27 | 2 | 18 | 20 | 30 | 22 | 16 | 13 | 25 |
| Min. | 575.86 | 575.89 | 575.95 | 575.94 | 576.40 | 576.06 | 576.42 | 576.65 | 576.59 | 576.31 | 575.85 | 576.28 |
| Hr. | 2400 | 0900 | 1800 | 2000 | 1300 | 2400 | 1300 | 1400 | 2100 | 2000 | 2000 | 0500 |
| Day | 8 | 10 | 25 | 6 | 2 | 17 | 3 | 24 | 16 | 14 | 2 | 16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 576.71

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 901-4087 Dry Dock, Port Huron, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 578.07 Aug
Daily mean elevation: 578.29 18 Jan
Instant/hourly elevation: 578.90 0800/14 Jan

LOWEST

Monthly mean elevation: 577.54 Feb
Daily mean elevation: 576.97 2 Nov
Instant/hourly elevation: 576.55 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.29 | 578.06 | 578.06 | 578.06 | 578.12 | 578.10 | 578.19 | 578.23 | 578.18 | 578.06 | 578.10 | 578.21 |
| Day | 18     | 21     | 10     | 27     | 24     | 19     | 27     | 28     | 11     | 24     | 14     | 5      |
| Min | 577.11 | 577.04 | 577.19 | 577.36 | 577.63 | 577.64 | 577.69 | 577.88 | 577.83 | 577.63 | 576.97 | 577.61 |
| Day | 12     | 10     | 25     | 6      | 1      | 17     | 3      | 24     | 2      | 23     | 2      | 10     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 578.20 | 2 | | | | | | | 1 | | | | 1 | 578.20 | 4 |
| 578.00 | 3 | 1 | 1 | 3 | 1 | 2 | 19 | 20 | 6 | 3 | 6 | 3 | 578.00 | 72 |
| 577.80 | 3 | 2 | 2 | 4 | 22 | 21 | 9 | 8 | 12 | 13 | 13 | 9 | 577.80 | 190 |
| 577.60 | 4 | 5 | 9 | 7 | 8 | 7 | 3 | | | 15 | 4 | 5 | 577.60 | 257 |
| 577.40 | 10 | 15 | 10 | 12 | | | | | | | 5 | | 577.40 | 309 |
| 577.20 | 7 | 4 | 8 | 4 | | | | | | | 1 | | 577.20 | 333 |
| 577.00 | 2 | 2 | 1 | | | | | | | | | | 577.00 | 338 |
| 576.80 | | | | | | | | | | | 1 | | 576.80 | 339 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 901-4087 Dry Dock, Port Huron, Michigan on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|
| 1 | 577.29 | 577.52 | 577.48 | 577.56 | 577.63 | 577.89 | 577.85 | 578.10 | 578.04 | 577.92 | 577.52 | 577.93 |
| 2 | 577.23 | 577.40 | 577.32 | 577.63 | 577.79 | 577.82 | 577.70 | 578.08 | 577.83 | 577.90 | 576.97 | 578.01 |
| 3 | 577.22 | 577.34 | 577.30 | 577.51 | 577.97 | 577.82 | 577.69 | 578.11 | 577.94 | 578.02 | 577.28 | 578.11 |
| 4 | 577.38 | 577.60 | 577.31 | 577.47 | 577.92 | 577.77 | 577.87 | 578.15 | 577.98 | 577.94 | 577.75 | 577.94 |
| 5 | 577.43 | 577.44 | 577.39 | 577.52 | 577.91 | 577.79 | 577.92 | 578.10 | 577.85 | 577.91 | 577.85 | 578.21 |
| 6 | 577.36 | 577.19 | 577.40 | 577.36 | 577.89 | 577.86 | 577.93 | 578.06 | 577.89 | 577.82 | 577.96 | 577.99 |
| 7 | 577.50 | 577.41 | 577.44 | 577.39 | 577.81 | 577.88 | 577.85 | 577.98 | 578.01 | 577.79 | 577.79 | 578.13 |
| 8 | 577.19 | 577.49 | 577.51 | 577.50 | 577.85 | 577.93 | 577.77 | 577.97 | 578.00 | 577.69 | 577.67 | 577.94 |
| 9 | 577.23 | 577.49 | 577.33 | 577.40 | 577.85 | 577.88 | 577.89 | 578.14 | 577.97 | 577.64 | 577.54 | 577.72 |
| 10 | 577.49 | 577.04 | 578.06 | 577.53 | 577.84 | 577.86 | 577.92 | 578.13 | 578.10 | 577.76 | 577.48 | 577.61 |
| 11 | 577.37 | 577.73 | 577.92 | 577.38 | 577.72 | 577.84 | 577.94 | 578.15 | 578.18 | 577.81 | 577.82 | 577.95 |
| 12 | 577.11 | 577.40 | 577.85 | 577.73 | 577.73 | 577.79 | 577.92 | 578.13 | 577.95 | 577.88 | 577.75 | 577.96 |
| 13 | 577.41 | 577.48 | 577.72 | 577.61 | 577.89 | 577.82 | 578.05 | 578.11 | 577.94 | 577.93 | 577.90 | 577.86 |
| 14 | 578.21 | 577.52 | 577.70 | 577.49 | 577.90 | 577.86 | 578.11 | 578.11 | 577.86 | 577.80 | 578.10 | 577.79 |
| 15 | 577.60 | 577.40 | 577.69 | 577.45 | 577.79 | 577.79 | 578.15 | 578.09 | 577.94 | 577.76 | 578.00 | 577.69 |
| 16 | 577.44 | 577.41 | 577.37 | 577.51 | 577.77 | 577.79 | 578.10 | 578.07 | 577.89* | 577.77 | 577.88 | 577.69 |
| 17 | 577.73 | 577.53 | 577.67 | 577.64 | 577.76 | 577.64 | 578.08 | 578.00 | / | 578.06 | 577.99 | 577.95 |
| 18 | 578.29 | 577.55 | 577.57 | 577.64 | 577.96 | 577.67 | 578.16 | 577.99 | / | 578.00 | 577.97 | 577.92* |
| 19 | 578.12 | 577.95 | 577.48 | 577.51 | 577.81 | 578.10 | 578.07 | 578.10 | / | 577.98 | 577.91 | / |
| 20 | 578.00 | 577.81 | 577.67 | 577.56 | 577.84 | 578.04 | 578.18 | 578.01 | / | 577.65 | 577.53 | / |
| 21 | 578.05 | 578.06 | 577.58 | 577.60 | 577.81 | 577.98 | 578.18 | 577.95* | / | 577.84 | 577.48 | / |
| 22 | 577.66 | 577.76 | 577.41 | 577.74 | 577.77 | 577.92 | 578.09 | / | / | 577.66 | 578.06 | / |
| 23 | 577.47 | 577.59 | 577.72 | 577.76 | 578.00 | 577.83 | 578.11 | / | / | 577.63 | 578.00 | / |
| 24 | 578.05 | 577.43 | 577.67 | 577.85 | 578.12 | 577.85 | 578.11 | 577.88* | / | 578.06 | 578.03 | / |
| 25 | 577.86 | 577.49 | 577.19 | 578.03 | 577.94 | 577.87 | 578.05 | 577.89 | / | 577.82 | 578.04 | / |
| 26 | 577.94 | 577.78 | 577.39 | 578.03 | 577.91 | 577.87 | 578.07 | 577.95 | / | 577.81 | 577.82 | / |
| 27 | 577.61 | 577.77 | 577.74 | 578.06 | 577.89 | 577.92 | 578.19 | 578.08 | / | 577.79 | 578.08 | / |
| 28 | 577.67 | 577.70 | 577.73 | 577.91 | 577.84 | 577.85 | 578.07 | 578.23 | / | 577.67 | 578.02 | / |
| 29 | 577.49 | 577.49 | 577.49 | 577.82 | 577.83 | 577.88 | 578.08 | 578.17 | 578.16* | 577.79 | 578.00 | / |
| 30 | 577.43 | | 577.52 | 577.92 | 577.86 | 577.87 | 578.06 | 578.04 | 578.03 | 577.73 | 578.00 | / |
| 31 | 577.58 | | 577.57 | | 577.93 | | 578.13 | 578.20 | | 577.70 | | / |
| Mean | 577.60 | 577.54 | 577.55 | 577.64 | 577.85 | 577.86 | 578.01 | 578.07 | 577.98 | 577.82 | 577.81 | 577.91 |
| Max.
Hr.
Day | 578.90
0800
14 | 578.63
0600
21 | 578.65
1100
10 | 578.19
1100
27 | 578.39
1300
23 | 578.36
0700
19 | 578.39
0100
21 | 578.66
1900
10 | 578.43
1300
8 | 578.34
0600
17 | 578.38
2200
22 | 578.49
0600
5 |
| Min.
Hr.
Day | 576.92
1800
8 | 576.78
0900
10 | 577.02
1200
25 | 576.76
0400
11 | 577.06
1600
1 | 576.57
0100
18 | 577.51
0200
3 | 577.52
1300
10 | 577.65
2100
2 | 577.22
1200
16 | 576.55
1900
2 | 577.35
0600
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 577.80

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 901-4090 Mouth of the Black River, Port Huron, MI on St. Clair River

HIGHEST

Monthly mean elevation: 578.38 Aug
Daily mean elevation: 578.72 22 Sep
Instant/hourly elevation: 579.42 0800/14 Jan

LOWEST

Monthly mean elevation: 577.82 Feb
Daily mean elevation: 577.08 2 Nov
Instant/hourly elevation: 576.50 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.66 | 578.23 | 578.47 | 578.41 | 578.51 | 578.46 | 578.52 | 578.57 | 578.72 | 578.44 | 578.47 | 578.65 |
| Day | 14     | 21     | 10     | 27     | 24     | 19     | 27     | 28     | 22     | 24     | 14     | 26     |
| Min | 577.43 | 577.32 | 577.46 | 577.64 | 577.95 | 577.92 | 578.01 | 578.18 | 578.13 | 577.91 | 577.08 | 577.86 |
| Day | 12     | 10     | 25     | 11     | 1      | 17     | 3      | 24     | 2      | 9      | 2      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 578.60 | 1 | | | | | | | | 3 | | | 1 | 578.60 | 5 |
| 578.40 | 1 | | 1 | 1 | 1 | 2 | 11 | 15 | 3 | 2 | 3 | 4 | 578.40 | 49 |
| 578.20 | 3 | 1 | 2 | 5 | 13 | 11 | 14 | 13 | 18 | 9 | 13 | 12 | 578.20 | 163 |
| 578.00 | 4 | 5 | 6 | 6 | 16 | 15 | 6 | 3 | 6 | 15 | 7 | 8 | 578.00 | 260 |
| 577.80 | 8 | 8 | 10 | 14 | 1 | 2 | | | | 5 | 3 | 6 | 577.80 | 317 |
| 577.60 | 9 | 13 | 11 | 4 | | | | | | | 2 | | 577.60 | 356 |
| 577.40 | 5 | 1 | 1 | | | | | | | | 1 | | 577.40 | 364 |
| 577.20 | | 1 | | | | | | | | | | | 577.20 | 365 |
| 577.00 | | | | | | | | | | | 1 | | 577.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 901-4090 Mouth of the Black River, Port Huron, MI on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 577.63 | 577.86 | 577.79 | 577.90 | 577.95 | 578.26 | 578.18 | 578.40 | 578.38 | 578.24 | 577.85 | 578.26 |
| 2 | 577.59 | 577.72 | 577.63 | 577.98 | 578.11 | 578.17 | 578.01 | 578.39 | 578.13 | 578.21 | 577.08 | 578.36 |
| 3 | 577.57 | 577.66 | 577.63 | 577.85 | 578.32 | 578.17 | 578.01 | 578.44 | 578.24 | 578.37 | 577.47 | 578.47 |
| 4 | 577.76 | 577.96 | 577.61 | 577.83 | 578.27 | 578.12 | 578.20 | 578.48 | 578.31 | 578.28 | 578.08 | 578.28 |
| 5 | 577.81 | 577.78 | 577.68 | 577.85 | 578.26 | 578.13 | 578.27 | 578.43 | 578.16 | 578.24 | 578.22 | 578.59 |
| 6 | 577.72 | 577.47 | 577.68 | 577.67 | 578.23 | 578.22 | 578.25 | 578.37 | 578.16 | 578.13 | 578.35 | 578.34 |
| 7 | 577.87 | 577.75 | 577.74 | 577.71 | 578.16 | 578.23 | 578.17 | 578.30 | 578.30 | 578.12 | 578.15 | 578.50 |
| 8 | 577.53 | 577.85 | 577.82 | 577.83 | 578.20 | 578.29 | 578.13 | 578.25 | 578.29 | 578.01 | 578.01 | 578.29 |
| 9 | 577.57 | 577.84 | 577.63 | 577.72 | 578.19 | 578.24 | 578.26 | 578.45 | 578.27 | 577.91 | 577.85 | 578.03 |
| 10 | 577.86 | 577.32 | 578.47 | 577.90 | 578.19 | 578.19 | 578.25 | 578.43 | 578.38 | 578.08 | 577.79 | 577.93 |
| 11 | 577.72 | 578.01 | 578.29 | 577.64 | 578.04 | 578.19 | 578.30 | 578.51 | 578.49 | 578.16 | 578.20 | 578.32 |
| 12 | 577.43 | 577.69 | 578.21 | 578.07 | 578.07 | 578.13 | 578.25 | 578.48 | 578.25 | 578.22 | 578.05 | 578.31 |
| 13 | 577.79 | 577.72 | 578.07 | 577.97 | 578.29 | 578.18 | 578.38 | 578.45 | 578.22 | 578.28 | 578.22 | 578.22 |
| 14 | 578.66 | 577.80 | 578.02 | 577.86 | 578.26 | 578.23 | 578.41 | 578.45 | 578.16 | 578.16 | 578.47 | 578.10 |
| 15 | 577.99 | 577.70 | 578.04 | 577.81 | 578.16 | 578.14 | 578.49 | 578.42 | 578.23 | 578.04 | 578.33 | 578.01 |
| 16 | 577.75 | 577.72 | 577.66 | 577.86 | 578.11 | 578.13 | 578.41 | 578.40 | 578.16 | 578.10 | 578.20 | 578.00 |
| 17 | 578.01 | 577.80 | 578.01 | 578.03 | 578.09 | 577.92 | 578.37 | 578.31 | 578.26 | 578.43 | 578.33 | 578.31 |
| 18 | 578.58 | 577.77 | 577.91 | 578.04 | 578.33 | 577.98 | 578.47 | 578.29 | 578.29 | 578.36 | 578.30 | 578.19 |
| 19 | 578.31 | 578.11 | 577.81 | 577.84 | 578.15 | 578.46 | 578.37 | 578.44 | 578.52 | 578.32 | 578.24 | 577.99 |
| 20 | 578.17 | 577.98 | 577.97 | 577.89 | 578.19 | 578.42 | 578.50 | 578.32 | 578.31 | 577.95 | 577.83 | 578.44 |
| 21 | 578.24 | 578.23 | 577.88 | 577.91 | 578.17 | 578.35 | 578.51 | 578.30 | 578.28 | 578.19 | 577.76 | 578.16 |
| 22 | 577.83 | 577.98 | 577.70 | 578.02 | 578.11 | 578.26 | 578.40 | 578.27 | 578.72 | 577.99 | 578.43 | 578.16 |
| 23 | 577.67 | 577.88 | 577.92 | 578.12 | 578.36 | 578.17 | 578.43 | 578.20 | 578.65 | 577.96 | 578.34 | 578.39 |
| 24 | 578.34 | 577.71 | 577.88 | 578.21 | 578.51 | 578.20 | 578.44 | 578.18 | 578.35 | 578.44 | 578.37 | 578.40 |
| 25 | 578.10 | 577.74 | 577.46 | 578.40 | 578.30 | 578.19 | 578.36 | 578.20 | 578.22 | 578.17 | 578.37 | 578.14 |
| 26 | 578.13 | 578.01 | 577.72 | 578.37 | 578.27 | 578.23 | 578.37 | 578.27 | 578.20 | 578.15 | 578.11 | 578.65 |
| 27 | 577.82 | 578.03 | 578.13 | 578.41 | 578.25 | 578.27 | 578.52 | 578.42 | 578.23 | 578.14 | 578.42 | 577.86 |
| 28 | 577.91 | 578.01 | 578.07 | 578.24 | 578.19 | 578.18 | 578.38 | 578.57 | 578.49 | 578.00 | 578.35 | 578.00 |
| 29 | 577.77 | 577.82 | 577.82 | 578.12 | 578.17 | 578.20 | 578.42 | 578.51 | 578.67 | 578.13 | 578.31 | 577.99 |
| 30 | 577.74 | | 577.84 | 578.25 | 578.21 | 578.23 | 578.38 | 578.35 | 578.36 | 578.07 | 578.34 | 578.07 |
| 31 | 577.93 | | 577.88 | | 578.29 | | 578.47 | 578.53 | | 578.01 | | 578.39 |
| Mean | 577.90 | 577.82 | 577.87 | 577.98 | 578.21 | 578.20 | 578.33 | 578.38 | 578.32 | 578.16 | 578.13 | 578.23 |
| Max.
Hr.
Day | 579.42
0800
14 | 578.89
0600
21 | 579.09
1300
10 | 578.58
0800
12 | 578.72
0400
24 | 578.82
2100
17 | 578.74
1800
20 | 579.17
2200
10 | 579.21
2300
18 | 578.82
2400
16 | 578.77
1800
13 | 579.23
2100
23 |
| Min.
Hr.
Day | 577.20
0600
9 | 577.05
0900
10 | 577.27
1200
25 | 577.09
0400
11 | 577.10
1600
1 | 576.99
0100
18 | 577.80
2000
2 | 577.87
1300
10 | 577.74
0800
17 | 577.60
1200
16 | 576.50
1900
2 | 577.36
0800
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 578.13

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 901-4096 Dunn Paper Company, Port Huron, MI on St. Clair River

HIGHEST

Monthly mean elevation: 578.70 Aug
Daily mean elevation: 579.11 14 Jan
Instant/hourly elevation: 579.90 0700/14 Jan

LOWEST

Monthly mean elevation: 578.14 Feb
Daily mean elevation: 577.35 2 Nov
Instant/hourly elevation: 576.82 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.11 | 578.45 | 578.86 | 578.76 | 578.91 | 578.82 | 578.87 | 578.89 | 579.04 | 578.78 | 578.76 | 579.02 |
| Day | 14     | 21     | 10     | 27     | 24     | 19     | 27     | 28     | 22     | 17     | 14     | 26     |
| Min | 577.77 | 577.55 | 577.75 | 577.98 | 578.28 | 578.23 | 578.31 | 578.50 | 578.42 | 578.16 | 577.35 | 578.14 |
| Day | 12     | 10     | 25     | 11     | 1      | 17     | 3      | 24     | 2      | 9      | 2      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.00 | 1 | | | | | | | | 2 | | | 1 | 579.00 | 4 |
| 578.80 | 1 | | 1 | | 1 | 1 | 4 | 6 | 4 | | | 2 | 578.80 | 24 |
| 578.60 | 1 | | 1 | 4 | 12 | 7 | 19 | 19 | 9 | 5 | 11 | 11 | 578.60 | 123 |
| 578.40 | 2 | 2 | 6 | 6 | 17 | 21 | 6 | 6 | 15 | 15 | 8 | 9 | 578.40 | 236 |
| 578.20 | 10 | 8 | 5 | 15 | 1 | 1 | 2 | | | 10 | 4 | 7 | 578.20 | 299 |
| 578.00 | 10 | 12 | 11 | 4 | | | | | | 1 | 4 | 1 | 578.00 | 342 |
| 577.80 | 5 | 6 | 6 | 1 | | | | | | | 2 | | 577.80 | 362 |
| 577.60 | 1 | | 1 | | | | | | | | | | 577.60 | 364 |
| 577.40 | | 1 | | | | | | | | | | | 577.40 | 365 |
| 577.20 | | | | | | | | | | | 1 | | 577.20 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 901-4096 Dunn Paper Company, Port Huron, MI on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.03 | 578.26 | 578.16 | 578.31 | 578.28 | 578.64 | 578.53 | 578.70 | 578.72 | 578.57 | 578.12 | 578.56 |
| 2 | 577.99 | 578.08 | 578.00 | 578.41 | 578.44 | 578.54 | 578.34 | 578.71 | 578.42 | 578.52 | 577.35 | 578.70 |
| 3 | 577.96 | 578.00 | 577.98 | 578.23 | 578.70 | 578.54 | 578.31 | 578.76 | 578.58 | 578.68 | 577.81 | 578.78 |
| 4 | 578.17 | 578.34 | 577.97 | 578.21 | 578.65 | 578.49 | 578.51 | 578.82 | 578.63 | 578.58 | 578.33 | 578.60 |
| 5 | 578.21 | 578.15 | 578.01 | 578.25 | 578.65 | 578.49 | 578.61 | 578.77 | 578.46 | 578.54 | 578.53 | 578.92 |
| 6 | 578.12 | 577.84 | 577.99 | 578.04 | 578.62 | 578.60 | 578.62 | 578.73 | 578.46 | 578.49 | 578.64 | 578.65 |
| 7 | 578.28 | 578.11 | 578.05 | 578.09 | 578.51 | 578.56 | 578.52 | 578.62 | 578.62 | 578.44 | 578.45 | 578.84 |
| 8 | 577.92 | 578.21 | 578.16 | 578.24 | 578.58 | 578.64 | 578.45 | 578.55 | 578.61 | 578.31 | 578.33 | 578.62 |
| 9 | 577.95 | 578.19 | 577.94 | 578.09 | 578.58 | 578.62 | 578.62 | 578.77 | 578.53 | 578.16 | 578.13 | 578.34 |
| 10 | 578.27 | 577.55 | 578.86 | 578.29 | 578.56 | 578.56 | 578.56 | 578.73 | 578.71 | 578.38 | 578.06 | 578.21 |
| 11 | 578.13 | 578.44 | 578.67 | 577.98 | 578.41 | 578.56 | 578.64 | 578.85 | 578.81 | 578.49 | 578.52 | 578.61 |
| 12 | 577.77 | 578.00 | 578.60 | 578.52 | 578.44 | 578.49 | 578.60 | 578.81 | 578.55 | 578.55 | 578.33 | 578.63 |
| 13 | 578.23 | 578.00 | 578.45 | 578.33 | 578.68 | 578.51 | 578.74 | 578.79 | 578.52 | 578.60 | 578.48 | 578.53 |
| 14 | 579.11 | 578.10 | 578.41 | 578.23 | 578.65 | 578.60 | 578.79 | 578.77 | 578.46 | 578.46 | 578.76 | 578.41 |
| 15 | 578.39 | 578.04 | 578.43 | 578.22 | 578.52 | 578.49 | 578.82 | 578.75 | 578.57 | 578.40 | 578.60 | 578.28 |
| 16 | 578.12 | 578.05 | 577.99 | 578.21 | 578.48 | 578.48 | 578.73 | 578.71 | 578.45 | 578.37 | 578.46 | 578.24 |
| 17 | 578.35 | 578.11 | 578.40 | 578.36 | 578.43 | 578.23 | 578.70 | 578.64 | 578.60 | 578.78 | 578.62 | 578.65 |
| 18 | 578.88 | 578.01 | 578.30 | 578.34 | 578.75 | 578.43 | 578.79 | 578.60 | 578.61 | 578.66 | 578.61 | 578.51 |
| 19 | 578.48 | 578.27 | 578.16 | 578.16 | 578.53 | 578.82 | 578.68 | 578.76 | 578.85 | 578.63 | 578.53 | 578.28 |
| 20 | 578.35 | 578.15 | 578.31 | 578.24 | 578.56 | 578.77 | 578.84 | 578.67 | 578.61 | 578.21 | 578.07 | 578.77 |
| 21 | 578.48 | 578.45 | 578.22 | 578.24 | 578.52 | 578.67 | 578.83 | 578.64 | 578.58 | 578.49 | 578.00 | 578.47 |
| 22 | 578.04 | 578.23 | 578.04 | 578.35 | 578.47 | 578.62 | 578.73 | 578.57 | 579.04 | 578.28 | 578.73 | 578.45 |
| 23 | 577.89 | 578.19 | 578.15 | 578.45 | 578.75 | 578.53 | 578.73 | 578.53 | 578.94 | 578.22 | 578.59 | 578.72 |
| 24 | 578.67 | 578.00 | 578.14 | 578.56 | 578.91 | 578.56 | 578.77 | 578.50 | 578.65 | 578.75 | 578.64 | 578.72 |
| 25 | 578.37 | 578.00 | 577.75 | 578.73 | 578.68 | 578.55 | 578.68 | 578.53 | 578.50 | 578.45 | 578.67 | 578.41 |
| 26 | 578.35 | 578.27 | 578.09 | 578.71 | 578.65 | 578.58 | 578.70 | 578.61 | 578.50 | 578.44 | 578.39 | 579.02 |
| 27 | 578.07 | 578.34 | 578.58 | 578.76 | 578.64 | 578.63 | 578.87 | 578.76 | 578.54 | 578.45 | 578.73 | 578.14 |
| 28 | 578.16 | 578.37 | 578.47 | 578.59 | 578.57 | 578.55 | 578.69 | 578.89 | 578.83 | 578.29 | 578.67 | 578.34 |
| 29 | 578.08 | 578.18 | 578.19 | 578.47 | 578.56 | 578.54 | 578.76 | 578.82 | 579.01 | 578.44 | 578.63 | 578.35 |
| 30 | 578.08 | | 578.19 | 578.61 | 578.58 | 578.58 | 578.73 | 578.64 | 578.67 | 578.40 | 578.64 | 578.44 |
| 31 | 578.34 | | 578.22 | | 578.65 | | 578.74 | 578.88 | | 578.32 | | 578.67 |
| Mean | 578.23 | 578.14 | 578.22 | 578.34 | 578.58 | 578.56 | 578.66 | 578.70 | 578.64 | 578.46 | 578.42 | 578.54 |
| Max.
Hr.
Day | 579.90
0700
14 | 579.36
1600
28 | 579.56
1300
10 | 579.11
0800
12 | 579.14
0200
24 | 579.16
2100
17 | 579.21
1800
20 | 579.52
2200
10 | 579.50
2200
22 | 579.21
2400
16 | 579.08
1800
13 | 579.71
2100
23 |
| Min.
Hr.
Day | 577.55
0600
23 | 577.10
1900
20 | 577.54
1200
25 | 577.55
1900
6 | 577.47
1600
1 | 577.42
0700
18 | 578.02
0700
3 | 578.07
0400
30 | 577.94
0100
5 | 577.78
1000
23 | 576.82
1900
2 | 577.44
0400
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 578.46

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 901-4098 Fort Gratiot, Port Huron, Michigan on St. Clair River

HIGHEST

Monthly mean elevation: 579.07 Aug
Daily mean elevation: 579.67 14 Jan
Instant/hourly elevation: 580.58 1100/14 Jan

LOWEST

Monthly mean elevation: 578.45 Feb
Daily mean elevation: 577.68 2 Nov
Instant/hourly elevation: 576.88 0100/18 Jun

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.67 | 578.82 | 579.43 | 579.18 | 579.43 | 579.31 | 579.27 | 579.32 | 579.49 | 579.25 | 579.21 | 579.51 |
| Day | 14     | 11     | 10     | 27     | 24     | 19     | 27     | 28     | 29     | 24     | 22     | 26     |
| Min | 578.09 | 577.80 | 578.03 | 578.37 | 578.62 | 578.62 | 578.68 | 578.84 | 578.78 | 578.48 | 577.68 | 578.49 |
| Day | 12     | 10     | 25     | 11     | 1      | 17     | 3      | 24     | 16     | 9      | 2      | 27     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.60 | 1 | | | | | | | | | | | | 579.60 | 1 |
| 579.40 | | | 1 | | 1 | | | | 2 | | | 1 | 579.40 | 6 |
| 579.20 | | | | | 1 | 2 | 4 | 3 | 3 | 2 | 1 | 3 | 579.20 | 25 |
| 579.00 | 1 | | 3 | 4 | 11 | 7 | 19 | 17 | 6 | 5 | 11 | 10 | 579.00 | 119 |
| 578.80 | 2 | 1 | 4 | 6 | 16 | 19 | 6 | 11 | 16 | 13 | 7 | 7 | 578.80 | 227 |
| 578.60 | 8 | 6 | 3 | 12 | 2 | 2 | 2 | | 3 | 8 | 4 | 7 | 578.60 | 284 |
| 578.40 | 9 | 12 | 8 | 7 | | | | | | 3 | 3 | 3 | 578.40 | 329 |
| 578.20 | 8 | 8 | 11 | 1 | | | | | | | 2 | | 578.20 | 359 |
| 578.00 | 2 | 1 | 1 | | | | | | | | 1 | | 578.00 | 364 |
| 577.80 | | | | | | | | | | | | 1 | 577.80 | 364 |
| 577.60 | | 1 | | | | | | | | | 1 | | 577.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 901-4098 Fort Gratiot, Port Huron, Michigan on St. Clair River

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.40 | 578.64 | 578.51 | 578.69 | 578.62 | 579.04 | 578.95 | 579.05 | 579.09 | 579.00 | 578.58 | 578.93 |
| 2 | 578.34 | 578.43 | 578.37 | 578.82 | 578.84 | 578.94 | 578.72 | 579.03 | 578.78 | 578.98 | 577.68 | 579.09 |
| 3 | 578.30 | 578.34 | 578.36 | 578.62 | 579.12 | 578.93 | 578.68 | 579.13 | 578.93 | 579.18 | 578.13 | 579.23 |
| 4 | 578.55 | 578.74 | 578.36 | 578.62 | 579.06 | 578.88 | 578.93 | 579.20 | 579.02 | 579.08 | 578.71 | 578.98 |
| 5 | 578.61 | 578.54 | 578.39 | 578.65 | 579.06 | 578.88 | 579.01 | 579.13 | 578.85 | 578.98 | 578.93 | 579.38 |
| 6 | 578.48 | 578.18 | 578.34 | 578.42 | 579.02 | 578.99 | 579.01 | 579.07 | 578.81 | 578.83 | 579.10 | 579.04 |
| 7 | 578.67 | 578.49 | 578.40 | 578.48 | 578.91 | 578.98 | 578.91 | 578.97 | 578.96 | 578.71 | 578.87 | 579.27 |
| 8 | 578.26 | 578.61 | 578.52 | 578.64 | 579.00 | 579.07 | 578.83 | 578.87 | 578.95 | 578.59 | 578.70 | 579.01 |
| 9 | 578.29 | 578.55 | 578.29 | 578.49 | 578.98 | 579.03 | 579.01 | 579.16 | 578.87 | 578.48 | 578.48 | 578.70 |
| 10 | 578.66 | 577.80 | 579.43 | 578.71 | 578.95 | 578.96 | 578.96 | 579.08 | 579.03 | 578.75 | 578.40 | 578.57 |
| 11 | 578.48 | 578.82 | 579.13 | 578.37 | 578.80 | 578.95 | 579.04 | 579.25 | 579.20 | 578.88 | 578.95 | 579.08 |
| 12 | 578.09 | 578.32 | 579.02 | 578.93 | 578.81 | 578.85 | 578.96 | 579.19 | 578.89 | 578.93 | 578.71 | 579.04 |
| 13 | 578.59 | 578.27 | 578.86 | 578.78 | 579.12 | 578.92 | 579.14 | 579.17 | 578.84 | 579.01 | 578.82 | 578.92 |
| 14 | 579.67 | 578.41 | 578.79 | 578.64 | 579.08 | 579.02 | 579.14 | 579.16 | 578.79 | 578.88 | 579.14 | 578.78 |
| 15 | 578.81 | 578.39 | 578.85 | 578.59 | 578.93 | 578.91 | 579.22 | 579.13 | 578.89 | 578.77 | 579.01 | 578.64 |
| 16 | 578.44 | 578.41 | 578.31 | 578.59 | 578.86 | 578.89 | 579.08 | 579.09 | 578.78 | 578.71 | 578.83 | 578.57 |
| 17 | 578.68 | 578.44 | 578.82 | 578.77 | 578.81 | 578.62 | 579.05 | 578.99 | 578.92 | 579.21 | 579.03 | 579.05 |
| 18 | 579.18 | 578.26 | 578.73 | 578.70 | 579.20 | 578.69 | 579.16 | 578.95 | 578.95 | 579.09 | 579.02 | 578.90 |
| 19 | 578.71 | 578.47 | 578.58 | 578.52 | 578.94 | 579.31 | 579.02 | 579.15 | 579.25 | 579.06 | 578.92 | 578.62 |
| 20 | 578.55 | 578.34 | 578.68 | 578.60 | 578.97 | 579.24 | 579.20 | 579.02 | 578.97 | 578.55 | 578.43 | 579.19 |
| 21 | 578.71 | 578.65 | 578.57 | 578.61 | 578.92 | 579.14 | 579.23 | 578.97 | 578.91 | 578.89 | 578.32 | 578.84 |
| 22 | 578.25 | 578.48 | 578.40 | 578.70 | 578.86 | 579.02 | 579.10 | 578.95 | 579.49 | 578.65 | 579.21 | 578.82 |
| 23 | 578.11 | 578.56 | 578.34 | 578.83 | 579.22 | 578.91 | 579.14 | 578.87 | 579.37 | 578.61 | 579.01 | 579.15 |
| 24 | 578.97 | 578.33 | 578.35 | 578.96 | 579.43 | 578.95 | 579.13 | 578.84 | 579.01 | 579.25 | 579.04 | 579.15 |
| 25 | 578.64 | 578.26 | 578.03 | 579.13 | 579.11 | 578.95 | 579.04 | 578.87 | 578.86 | 578.88 | 579.07 | 578.73 |
| 26 | 578.56 | 578.53 | 578.49 | 579.10 | 579.07 | 578.98 | 579.05 | 578.98 | 578.83 | 578.87 | 578.70 | 579.51 |
| 27 | 578.29 | 578.63 | 579.02 | 579.18 | 579.05 | 579.04 | 579.27 | 579.18 | 578.87 | 578.87 | 579.12 | 578.49 |
| 28 | 578.44 | 578.73 | 578.87 | 578.97 | 578.97 | 578.93 | 579.05 | 579.32 | 579.23 | 578.69 | 579.05 | 578.70 |
| 29 | 578.38 | 578.58 | 578.60 | 578.85 | 578.95 | 578.95 | 579.14 | 579.19 | 579.49 | 578.89 | 578.98 | 578.72 |
| 30 | 578.42 | | 578.59 | 579.02 | 578.98 | 579.00 | 579.10 | 578.98 | 579.08 | 578.82 | 579.02 | 578.81 |
| 31 | 578.70 | | 578.59 | | 579.10 | | 579.21 | 579.28 | | 578.75 | | 579.07 |
| Mean | 578.56 | 578.45 | 578.60 | 578.73 | 578.99 | 578.97 | 579.05 | 579.07 | 579.00 | 578.87 | 578.80 | 578.93 |
| Max.
Hr.
Day | 580.58
1100
14 | 579.99
1600
28 | 580.26
1300
10 | 579.63
0800
12 | 579.68
1000
24 | 579.78
2100
17 | 579.60
1800
20 | 580.26
2200
10 | 580.05
2300
22 | 579.68
2400
16 | 579.58
2100
22 | 580.28
2100
23 |
| Min.
Hr.
Day | 577.71
0600
23 | 577.18
1900
20 | 577.76
0100
1 | 577.81
0400
11 | 577.59
1600
1 | 576.88
0100
18 | 578.33
0700
3 | 578.31
0400
30 | 578.28
0800
17 | 578.07
1400
9 | 576.99
1900
2 | 577.62
0400
16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 578.84

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 907-5002 Lakeport, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 579.27 Aug
Daily mean elevation: 579.76 26 Dec
Instant/hourly elevation: 580.36 2100/23 Dec

LOWEST

Monthly mean elevation: 578.67 Feb
Daily mean elevation: 577.94 2 Nov
Instant/hourly elevation: 577.26 1900/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.61 | 578.86 | 579.40 | 579.31 | 579.51 | 579.44 | 579.45 | 579.51 | 579.64 | 579.42 | 579.36 | 579.76 |
| Day | 14     | 28     | 10     | 27     | 24     | 19     | 27     | 28     | 29     | 17     | 22     | 26     |
| Min | 578.27 | 578.48 | 578.51 | 578.54 | 578.85 | 578.81 | 578.87 | 579.06 | 578.97 | 578.66 | 577.94 | 578.77 |
| Day | 23     | 25     | 6      | 11     | 1      | 17     | 3      | 25     | 14     | 9      | 2      | 16     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.60 | 1 | | | | | | | | 2 | | | 1 | 579.60 | 4 |
| 579.40 | | | | | 1 | 1 | 2 | 4 | 3 | 1 | | 4 | 579.40 | 20 |
| 579.20 | 1 | | 2 | 3 | 12 | 8 | 20 | 16 | 4 | 6 | 9 | 10 | 579.20 | 111 |
| 579.00 | 2 | | 4 | 5 | 16 | 19 | 7 | 11 | 18 | 15 | 10 | 7 | 579.00 | 225 |
| 578.80 | 7 | 1 | 1 | 11 | 2 | 2 | 2 | | 3 | 7 | 4 | 6 | 578.80 | 271 |
| 578.60 | 6 | 5 | 3 | 7 | | | | | | 2 | 4 | 3 | 578.60 | 301 |
| 578.40 | 5 | 3 | 6 | 1 | | | | | | | 1 | | 578.40 | 317 |
| 578.20 | 2 | | | | | | | | | | 1 | | 578.20 | 320 |
| 578.00 | | | | | | | | | | | | | 578.00 | 320 |
| 577.80 | | | | | | | | | | | 1 | | 577.80 | 321 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 907-5002 Lakeport, Michigan on Lake Huron

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 578.64 | / | 578.68 | / | 578.85 | 579.23 | 579.13 | 579.21 | 579.27 | 579.13 | 578.80 | 579.14 |
| 2 | 578.59 | / | 578.71* | / | 579.09 | 579.12 | 578.96 | 579.24 | 578.98 | 579.15 | 577.94 | 579.29 |
| 3 | 578.54 | / | / | / | 579.33 | 579.14 | 578.87 | 579.30 | 579.10 | 579.29 | 578.34 | 579.46 |
| 4 | 578.78 | / | 578.55* | 578.82* | 579.27 | 579.09 | 579.12 | 579.37 | 579.19 | 579.23 | 578.93 | 579.21 |
| 5 | 578.83 | / | 578.59 | 578.85 | 579.25 | 579.10 | 579.21 | 579.33 | 579.05 | 579.16 | 579.15 | 579.54 |
| 6 | 578.72 | / | 578.51 | 578.63 | 579.24 | 579.20 | 579.23 | 579.27 | 579.03 | 579.07 | 579.27 | 579.27 |
| 7 | 578.90 | / | 578.55 | 578.67 | 579.12 | 579.18 | 579.16 | 579.19 | 579.16 | 579.02 | 579.08 | 579.50 |
| 8 | 578.53 | / | 578.70 | 578.83 | 579.19 | 579.27 | 579.03 | 579.11 | 579.12 | 578.85 | 578.92 | 579.26 |
| 9 | 578.54 | / | 578.52 | 578.69 | 579.17 | 579.22 | 579.20 | 579.32 | 579.02 | 578.66 | 578.72 | 578.94 |
| 10 | 578.90 | / | 579.40 | 578.85 | 579.15 | 579.18 | 579.17 | 579.20 | 579.21 | 578.97 | 578.63 | 578.80 |
| 11 | 578.74 | / | 579.24 | 578.54 | 579.01 | 579.15 | 579.23 | 579.43 | 579.37 | 579.09 | 579.14 | 579.26 |
| 12 | 578.34 | / | 579.18 | 579.15 | 579.03 | 579.09 | 579.18 | 579.36 | 579.07 | 579.17 | 578.92 | 579.28 |
| 13 | 578.81 | / | 579.05 | 578.94 | 579.30 | 579.14 | 579.34 | 579.36 | 579.06 | 579.25 | 579.04 | 579.17 |
| 14 | 579.61 | / | 579.00 | 578.83 | 579.29 | 579.21 | 579.37 | 579.36 | 578.97 | 579.12 | 579.33 | 579.03 |
| 15 | 579.04 | / | 579.04 | 578.79 | 579.11 | 579.11 | 579.40 | 579.33 | 579.11 | 579.04 | 579.19 | 578.89 |
| 16 | 578.68 | / | 578.55 | 578.76 | 579.04 | 579.07 | 579.29 | 579.30 | 578.99 | 578.88 | 579.02 | 578.77 |
| 17 | 578.87 | / | 579.02 | 578.90 | 578.98 | 578.81 | 579.24 | 579.18 | 579.16 | 579.42 | 579.22 | 579.24 |
| 18 | 579.32 | / | / | 578.88 | 579.36 | 578.90 | 579.33 | 579.18 | 579.20 | 579.29 | 579.19 | 579.16 |
| 19 | 578.88 | / | / | 578.69 | 579.14 | 579.44 | 579.24 | 579.36 | 579.44 | 579.24 | 579.12 | 578.86 |
| 20 | 578.71 | / | / | 578.79 | 579.17 | 579.36 | 579.39 | 579.22 | 579.18 | 578.77 | 578.65 | 579.43 |
| 21 | 578.88 | 578.73* | / | 578.83 | 579.11 | 579.30 | 579.41 | 579.20 | 579.13 | 579.10 | 578.57 | 579.08 |
| 22 | 578.42 | 578.57 | / | 578.96 | 579.07 | 579.23 | 579.30 | 579.16 | 579.64 | 578.86 | 579.36 | 579.08 |
| 23 | 578.27 | 578.67 | / | 579.00 | 579.37 | 579.12 | 579.34 | 579.06 | 579.54 | 578.83 | 579.18 | 579.34 |
| 24 | 579.09* | 578.56 | / | 579.10 | 579.51 | 579.16 | 579.29 | 579.06 | 579.20 | 579.38 | 579.22 | 579.37 |
| 25 | / | 578.48 | / | 579.29 | 579.30 | 579.16 | 579.23 | 579.06 | 579.07 | 579.07 | 579.26 | 578.94 |
| 26 | / | 578.63 | / | 579.27 | 579.26 | 579.19 | 579.26 | 579.18 | 579.02 | 579.06 | 578.95 | 579.76 |
| 27 | / | 578.77 | / | 579.31 | 579.25 | 579.27 | 579.45 | 579.35 | 579.07 | 579.08 | 579.34 | 578.78 |
| 28 | / | 578.86 | / | 579.15 | 579.18 | 579.15 | 579.25 | 579.51 | 579.42 | 578.91 | 579.27 | 578.92 |
| 29 | / | 578.79 | / | 579.04 | 579.16 | 579.16 | 579.33 | 579.42 | 579.64 | 579.06 | 579.19 | 578.86 |
| 30 | / | / | / | 579.19 | 579.19 | 579.19 | 579.31 | 579.21 | 579.26 | 579.03 | 579.23 | 579.06 |
| 31 | / | / | / | / | 579.27 | / | 579.32 | 579.48 | / | 578.99 | / | 579.22 |
| Mean | 578.78 | 578.67 | 578.83 | 578.92 | 579.19 | 579.17 | 579.25 | 579.27 | 579.19 | 579.07 | 579.01 | 579.16 |
| Max. | 580.31 | 579.55 | 580.04 | 579.79 | 579.79 | 579.82 | 579.73 | 579.77 | 580.15 | 579.86 | 579.80 | 580.36 |
| Hr. | 1100 | 1600 | 1100 | 0700 | 1300 | 0600 | 0100 | 0900 | 2300 | 0500 | 2100 | 2100 |
| Day | 14 | 28 | 10 | 12 | 23 | 19 | 21 | 10 | 18 | 17 | 22 | 23 |
| Min. | 577.96 | 578.10 | 578.24 | 578.14 | 578.28 | 577.28 | 578.56 | 578.66 | 578.37 | 578.19 | 577.26 | 578.04 |
| Hr. | 0600 | 0800 | 1600 | 0400 | 1600 | 0100 | 0700 | 1000 | 0900 | 1900 | 1900 | 0900 |
| Day | 23 | 28 | 16 | 11 | 1 | 18 | 3 | 10 | 27 | 16 | 2 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.04

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 907-5014 Harbor Beach, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 579.25 Aug
Daily mean elevation: 579.74 26 Dec
Instant/hourly elevation: 579.97 1300/26 Dec

LOWEST

Monthly mean elevation: 578.61 Feb
Daily mean elevation: 578.15 2 Nov
Instant/hourly elevation: 577.62 2000/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.27 | 578.81 | 579.13 | 579.21 | 579.29 | 579.31 | 579.41 | 579.46 | 579.59 | 579.40 | 579.35 | 579.74 |
| Day | 18     | 11     | 10     | 25     | 24     | 19     | 27     | 31     | 29     | 17     | 14     | 26     |
| Min | 578.34 | 578.32 | 578.48 | 578.53 | 578.93 | 578.83 | 578.87 | 579.06 | 578.99 | 578.81 | 578.15 | 578.91 |
| Day | 23     | 10     | 6      | 11     | 1      | 17     | 3      | 24     | 14     | 9      | 2      | 10     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.60 | | | | | | | | | | | | 1 | 579.60 | 1 |
| 579.40 | | | | | | | 1 | 2 | 4 | | | 4 | 579.40 | 12 |
| 579.20 | 1 | | | 1 | 8 | 4 | 19 | 18 | 7 | 4 | 9 | 9 | 579.20 | 92 |
| 579.00 | 1 | | 3 | 8 | 21 | 24 | 9 | 11 | 17 | 16 | 11 | 10 | 579.00 | 223 |
| 578.80 | 7 | 1 | 8 | 6 | 2 | 2 | 2 | | 2 | 11 | 4 | 7 | 578.80 | 275 |
| 578.60 | 13 | 13 | 12 | 14 | | | | | | | 4 | | 578.60 | 331 |
| 578.40 | 8 | 14 | 8 | 1 | | | | | | | 1 | | 578.40 | 363 |
| 578.20 | 1 | 1 | | | | | | | | | | | 578.20 | 365 |
| 578.00 | | | | | | | | | | | 1 | | 578.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 907-5014 Harbor Beach, Michigan on Lake Huron

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 578.61 | 578.68 | 578.76 | 578.79 | 578.93 | 579.17 | 579.06 | 579.24 | 579.26 | 579.13 | 578.80 | 579.21 |
| 2 | 578.58 | 578.64 | 578.56 | 578.91 | 579.09 | 579.10 | 578.92 | 579.32 | 579.01 | 579.16 | 578.15 | 579.28 |
| 3 | 578.53 | 578.52 | 578.53 | 578.80 | 579.28 | 579.12 | 578.87 | 579.30 | 579.04 | 579.24 | 578.41 | 579.42 |
| 4 | 578.71 | 578.75 | 578.56 | 578.72 | 579.21 | 579.06 | 579.13 | 579.32 | 579.15 | 579.13 | 578.98 | 579.23 |
| 5 | 578.76 | 578.71 | 578.58 | 578.79 | 579.18 | 579.08 | 579.18 | 579.31 | 579.01 | 579.10 | 579.15 | 579.47 |
| 6 | 578.71 | 578.44 | 578.48 | 578.64 | 579.17 | 579.13 | 579.19 | 579.25 | 579.04 | 579.06 | 579.17 | 579.35 |
| 7 | 578.84 | 578.63 | 578.53 | 578.69 | 579.10 | 579.15 | 579.12 | 579.18 | 579.14 | 579.01 | 579.02 | 579.49 |
| 8 | 578.52 | 578.69 | 578.70 | 578.79 | 579.13 | 579.21 | 579.03 | 579.15 | 579.14 | 578.90 | 578.91 | 579.27 |
| 9 | 578.55 | 578.70 | 578.58 | 578.67 | 579.12 | 579.18 | 579.19 | 579.33 | 579.14 | 578.81 | 578.81 | 579.02 |
| 10 | 578.85 | 578.32 | 579.13 | 578.78 | 579.12 | 579.15 | 579.19 | 579.26 | 579.22 | 579.03 | 578.79 | 578.91 |
| 11 | 578.75 | 578.81 | 579.01 | 578.53 | 579.00 | 579.11 | 579.21 | 579.36 | 579.33 | 579.08 | 579.11 | 579.14 |
| 12 | 578.45 | 578.58 | 579.05 | 579.02 | 579.06 | 579.11 | 579.17 | 579.28 | 579.09 | 579.19 | 579.03 | 579.23 |
| 13 | 578.76 | 578.47 | 578.98 | 578.90 | 579.25 | 579.16 | 579.27 | 579.26 | 579.05 | 579.29 | 579.10 | 579.12 |
| 14 | 579.15 | 578.58 | 578.94 | 578.76 | 579.23 | 579.14 | 579.31 | 579.26 | 578.99 | 579.06 | 579.35 | 579.02 |
| 15 | 578.90 | 578.60 | 578.91 | 578.75 | 579.06 | 579.02 | 579.29 | 579.24 | 579.10 | 578.96 | 579.16 | 578.96 |
| 16 | 578.74 | 578.60 | 578.64 | 578.72 | 579.05 | 579.01 | 579.28 | 579.23 | 579.04 | 578.94 | 579.09 | 578.92 |
| 17 | 578.86 | 578.60 | 578.93 | 578.86 | 579.04 | 578.83 | 579.25 | 579.17 | 579.13 | 579.40 | 579.11 | 579.26 |
| 18 | 579.27 | 578.47 | 578.85 | 578.85 | 579.25 | 578.98 | 579.33 | 579.20 | 579.24 | 579.21 | 579.11 | 579.20 |
| 19 | 578.94 | 578.52 | 578.73 | 578.69 | 579.10 | 579.31 | 579.24 | 579.33 | 579.46 | 579.18 | 579.09 | 578.96 |
| 20 | 578.68 | 578.58 | 578.85 | 578.80 | 579.12 | 579.23 | 579.34 | 579.17 | 579.22 | 578.86 | 578.76 | 579.39 |
| 21 | 578.83 | 578.65 | 578.79 | 578.84 | 579.08 | 579.18 | 579.36 | 579.17 | 579.14 | 579.04 | 578.65 | 579.18 |
| 22 | 578.45 | 578.56 | 578.71 | 578.99 | 579.09 | 579.19 | 579.24 | 579.16 | 579.51 | 578.92 | 579.32 | 579.13 |
| 23 | 578.34 | 578.62 | 578.76 | 579.01 | 579.28 | 579.10 | 579.24 | 579.07 | 579.46 | 578.90 | 579.25 | 579.30 |
| 24 | 578.99 | 578.50 | 578.67 | 579.06 | 579.29 | 579.11 | 579.24 | 579.06 | 579.16 | 579.20 | 579.21 | 579.43 |
| 25 | 578.76 | 578.48 | 578.49 | 579.21 | 579.18 | 579.15 | 579.21 | 579.09 | 579.03 | 579.01 | 579.21 | 579.15 |
| 26 | 578.67 | 578.65 | 578.73 | 579.17 | 579.18 | 579.13 | 579.26 | 579.11 | 579.00 | 579.04 | 578.99 | 579.74 |
| 27 | 578.51 | 578.78 | 578.87 | 579.16 | 579.22 | 579.24 | 579.41 | 579.27 | 579.08 | 579.05 | 579.34 | 578.96 |
| 28 | 578.60 | 578.79 | 578.92 | 579.11 | 579.16 | 579.14 | 579.29 | 579.37 | 579.37 | 578.92 | 579.24 | 578.95 |
| 29 | 578.68 | 578.69 | 578.74 | 579.04 | 579.14 | 579.11 | 579.28 | 579.41 | 579.59 | 578.98 | 579.25 | 578.95 |
| 30 | 578.69 | | 578.73 | 579.13 | 579.13 | 579.13 | 579.25 | 579.29 | 579.21 | 578.98 | 579.28 | 579.05 |
| 31 | 578.79 | | 578.75 | | 579.18 | | 579.23 | 579.46 | | 578.95 | | 579.17 |
| Mean | 578.73 | 578.61 | 578.76 | 578.87 | 579.14 | 579.12 | 579.21 | 579.25 | 579.18 | 579.06 | 579.03 | 579.19 |
| Max. | 579.51 | 579.04 | 579.50 | 579.33 | 579.56 | 579.45 | 579.58 | 579.56 | 579.91 | 579.65 | 579.81 | 579.97 |
| Hr. | 0700 | 0100 | 0900 | 2100 | 1900 | 1300 | 0500 | 1600 | 0300 | 0400 | 2200 | 1300 |
| Day | 14 | 29 | 10 | 23 | 2 | 19 | 14 | 10 | 29 | 17 | 22 | 26 |
| Min. | 578.07 | 578.05 | 578.29 | 578.23 | 578.65 | 578.21 | 578.62 | 578.73 | 578.74 | 578.56 | 577.62 | 578.44 |
| Hr. | 0600 | 1000 | 2000 | 1100 | 1400 | 2400 | 1400 | 0600 | 0100 | 1400 | 2000 | 0700 |
| Day | 23 | 10 | 6 | 11 | 1 | 17 | 3 | 26 | 10 | 9 | 2 | 16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.01

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 907-5035 Essexville, Michigan on Lake Huron (Saginaw Bay)

HIGHEST

Monthly mean elevation: 579.28 Jul
Daily mean elevation: 580.08 24 May
Instant/hourly elevation: 581.40 0100/23 Nov

LOWEST

Monthly mean elevation: 578.63 Feb
Daily mean elevation: 577.54 25 Dec
Instant/hourly elevation: 576.30 0400/13 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.74 | 578.85 | 579.63 | 579.50 | 580.08 | 579.61 | 579.72 | 579.83 | 579.61 | 579.38 | 580.01 | 579.39 |
| Day | 14 | 15 | 10 | 27 | 24 | 20 | 14 | 27 | 29 | 3 | 23 | 26 |
| Min | 578.25 | 578.27 | 578.35 | 578.60 | 578.83 | 578.69 | 578.79 | 578.66 | 578.76 | 578.16 | 577.96 | 577.54 |
| Day | 12 | 10 | 16 | 6 | 1 | 17 | 3 | 30 | 27 | 9 | 3 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 580.00 | | | | | 1 | | | | | | 1 | | 580.00 | 2 |
| 579.80 | | | | | | | | 1 | | | 1 | | 579.80 | 4 |
| 579.60 | 1 | | 1 | | 2 | 1 | 1 | 2 | 1 | | | | 579.60 | 13 |
| 579.40 | | | | 2 | 5 | 3 | 7 | 4 | 2 | | 2 | | 579.40 | 38 |
| 579.20 | | | | 4 | 10 | 11 | 15 | 10 | 5 | 6 | 5 | 7 | 579.20 | 111 |
| 579.00 | 1 | | 2 | 5 | 11 | 13 | 6 | 11 | 11 | 10 | 7 | 9 | 579.00 | 197 |
| 578.80 | 5 | 1 | 12 | 13 | 2 | 1 | 1 | 2 | 10 | 10 | 4 | 10 | 578.80 | 268 |
| 578.60 | 17 | 15 | 13 | 5 | | 1 | 1 | 1 | 1 | 1 | 5 | 2 | 578.60 | 330 |
| 578.40 | 6 | 12 | 1 | 1 | | | | | | 2 | 3 | 1 | 578.40 | 356 |
| 578.20 | 1 | 1 | 2 | | | | | | | 1 | | 1 | 578.20 | 362 |
| 578.00 | | | | | | | | | | 1 | | | 578.00 | 363 |
| 577.80 | | | | | | | | | | | 2 | | 577.80 | 365 |
| 577.60 | | | | | | | | | | | | | 577.60 | 365 |
| 577.40 | | | | | | | | | | | | 1 | 577.40 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 907-5035 Essexville, Michigan on Lake Huron (Saginaw Bay)

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.62 | 578.71 | 578.71 | 578.83 | 578.83 | 579.42 | 579.50 | 579.00 | 579.27 | 579.09 | 579.46 | 578.94 |
| 2 | 578.65 | 578.63 | 578.77 | 578.91 | 579.17 | 579.14 | 579.13 | 579.08 | 578.93 | 578.83 | 578.47 | 579.22 |
| 3 | 578.64 | 578.60 | 578.65 | 578.75 | 579.38 | 579.17 | 578.79 | 579.31 | 579.03 | 579.38 | 577.96 | 579.31 |
| 4 | 578.76 | 578.65 | 578.63 | 578.85 | 579.46 | 579.20 | 578.91 | 579.39 | 579.26 | 579.35 | 578.62 | 579.08 |
| 5 | 578.80 | 578.74 | 578.73 | 578.86 | 579.67 | 579.16 | 579.21 | 579.27 | 579.00 | 579.27 | 578.96 | 579.20 |
| 6 | 578.65 | 578.42 | 578.64 | 578.60 | 579.29 | 579.29 | 579.23 | 579.25 | 579.05 | 579.03 | 579.24 | 578.50 |
| 7 | 578.91 | 578.74 | 578.61 | 578.69 | 579.05 | 579.22 | 579.15 | 579.21 | 579.31 | 578.98 | 579.07 | 579.27 |
| 8 | 578.64 | 578.67 | 578.69 | 578.87 | 579.26 | 579.32 | 579.02 | 578.96 | 579.00 | 578.87 | 578.78 | 579.17 |
| 9 | 578.52 | 578.68 | 578.60 | 578.69 | 579.30 | 579.26 | 579.20 | 579.35 | 579.06 | 578.16 | 578.71 | 578.92 |
| 10 | 578.80 | 578.27 | 579.63 | 579.47 | 579.19 | 579.22 | 579.18 | 579.23 | 578.84 | 578.57 | 578.60 | 579.00 |
| 11 | 578.73 | 578.79 | 579.01 | 578.66 | 579.01 | 579.18 | 579.26 | 579.46 | 579.35 | 578.99 | 579.06 | 579.35 |
| 12 | 578.25 | 578.58 | 578.93 | 579.11 | 579.03 | 579.01 | 579.25 | 579.49 | 578.92 | 578.81 | 578.87 | 579.37 |
| 13 | 578.82 | 578.45 | 578.89 | 578.99 | 579.45 | 579.14 | 579.47 | 579.62 | 578.93 | 578.98 | 578.00 | 579.21 |
| 14 | 579.74 | 578.60 | 578.90 | 578.88 | 579.36 | 579.46 | 579.72 | 579.52 | 578.92 | 579.26 | 579.12 | 578.99 |
| 15 | 578.96 | 578.85 | 578.91 | 578.92 | 579.09 | 579.29 | 579.44 | 579.47 | 579.14 | 579.31 | 579.07 | 578.93 |
| 16 | 578.47 | 578.58 | 578.35 | 579.02 | 579.06 | 579.19 | 579.28 | 579.30 | 578.89 | 578.29 | 578.88 | 578.25 |
| 17 | 578.54 | 578.66 | 578.90 | 579.04 | 579.00 | 578.69 | 579.24 | 579.10 | 578.94 | 579.13 | 579.38 | 579.19 |
| 18 | 579.06 | 578.62 | 578.98 | 578.94 | 579.63 | 578.83 | 579.45 | 579.04 | 578.89 | 579.14 | 579.23 | 579.16 |
| 19 | 578.80 | 578.55 | 578.81 | 578.81 | 579.24 | 579.53 | 579.19 | 579.36 | 579.36 | 579.12 | 579.20 | 578.67 |
| 20 | 578.63 | 578.59 | 578.87 | 578.88 | 579.19 | 579.61 | 579.31 | 579.10 | 579.13 | 578.43 | 578.92 | 578.95 |
| 21 | 578.80 | 578.67 | 578.84 | 578.86 | 579.17 | 579.28 | 579.47 | 579.09 | 579.16 | 579.09 | 578.44 | 578.85 |
| 22 | 578.64 | 578.56 | 578.89 | 578.68 | 579.05 | 579.24 | 579.34 | 579.18 | 579.54 | 578.82 | 579.88 | 578.92 |
| 23 | 578.41 | 578.74 | 578.70 | 579.03 | 579.45 | 579.20 | 579.43 | 579.07 | 579.54 | 578.72 | 580.01 | 579.14 |
| 24 | 578.86 | 578.64 | 578.80 | 579.21 | 580.08 | 579.21 | 579.38 | 579.05 | 579.18 | 579.31 | 579.48 | 578.91 |
| 25 | 578.78 | 578.49 | 578.36 | 579.40 | 579.55 | 579.20 | 579.22 | 579.03 | 579.12 | 579.01 | 579.33 | 577.54 |
| 26 | 578.69 | 578.56 | 578.87 | 579.32 | 579.31 | 579.23 | 579.28 | 579.10 | 579.03 | 578.92 | 578.68 | 579.39 |
| 27 | 578.58 | 578.68 | 579.05 | 579.50 | 579.29 | 579.28 | 579.43 | 579.83 | 578.76 | 578.98 | 579.25 | 578.78 |
| 28 | 578.62 | 578.79 | 578.91 | 579.10 | 579.21 | 579.14 | 579.21 | 579.74 | 579.09 | 578.95 | 579.06 | 578.91 |
| 29 | 578.57 | 578.60 | 578.73 | 578.98 | 579.19 | 579.18 | 579.36 | 579.16 | 579.61 | 579.17 | 578.77 | 579.03 |
| 30 | 578.66 | | 578.75 | 579.29 | 579.41 | 579.19 | 579.30 | 578.66 | 579.17 | 579.07 | 579.09 | 579.10 |
| 31 | 578.86 | | 578.80 | | 579.36 | | 579.34 | 579.36 | | 579.12 | | 579.15 |
| Mean | 578.72 | 578.63 | 578.80 | 578.97 | 579.28 | 579.22 | 579.28 | 579.25 | 579.11 | 578.97 | 578.99 | 578.98 |
| Max.
Hr.
Day | 580.94
0800
14 | 579.96
1600
28 | 580.59
0900
10 | 579.99
2400
10 | 581.16
0300
24 | 579.92
2100
7 | 580.47
0700
14 | 580.34
0500
28 | 580.19
2400
22 | 580.02
1300
3 | 581.40
0100
23 | 579.95
1500
5 |
| Min.
Hr.
Day | 577.91
2400
16 | 577.74
2400
29 | 577.53
0200
1 | 578.19
0800
11 | 578.41
1100
1 | 577.94
0100
18 | 578.59
0200
20 | 578.33
1400
30 | 577.75
1100
27 | 577.31
1900
16 | 576.30
0400
13 | 576.86
1300
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.02

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 907-5059 Harrisville, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 579.20 Aug
Daily mean elevation: 579.61 26 Dec
Instant/hourly elevation: 579.76 1000/26 Dec

LOWEST

Monthly mean elevation: 578.56 Feb
Daily mean elevation: 578.38 6 Mar
Instant/hourly elevation: 577.92 2200/2 Nov

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.09 | 578.70 | 578.84 | 579.12 | 579.23 | 579.25 | 579.34 | 579.35 | 579.43 | 579.25 | 579.28 | 579.61 |
| Day | 18 | 27 | 13 | 25 | 23 | 19 | 27 | 31 | 29 | 17 | 30 | 26 |
| Min | 578.48 | 578.45 | 578.38 | 578.59 | 579.00 | 578.89 | 578.85 | 579.06 | 579.02 | 578.88 | 578.49 | 578.97 |
| Day | 23 | 25 | 6 | 11 | 11 | 17 | 3 | 24 | 26 | 31 | 3 | 16 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.60 | | | | | | | | | | | | 1 | 579.60 | 1 |
| 579.40 | | | | | | | | | 1 | | | 1 | 579.40 | 3 |
| 579.20 | | | | | 3 | 1 | 14 | 13 | 7 | 1 | 8 | 8 | 579.20 | 58 |
| 579.00 | 1 | | | 8 | 27 | 26 | 15 | 18 | 22 | 15 | 11 | 17 | 579.00 | 218 |
| 578.80 | 1 | | 3 | 7 | 1 | 3 | 2 | | | 15 | 9 | 4 | 578.80 | 263 |
| 578.60 | 21 | 8 | 20 | 14 | | | | | | | | | 578.60 | 326 |
| 578.40 | 8 | 21 | 7 | 1 | | | | | | | 2 | | 578.40 | 365 |
| 578.20 | | | 1 | | | | | | | | | | 578.20 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 907-5059 Harrisville, Michigan on Lake Huron

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 578.65 | 578.61 | 578.74 | 578.67 | 579.04 | 579.13 | 579.03 | 579.27 | 579.21 | 579.14 | 578.85 | 579.22 |
| 2 | 578.59 | 578.62 | 578.50 | 578.78 | 579.13 | 579.09 | 578.86 | 579.28 | 579.08 | 579.18 | 578.55 | 579.22 |
| 3 | 578.53 | 578.55 | 578.48 | 578.78 | 579.20 | 579.11 | 578.85 | 579.22 | 579.11 | 579.13 | 578.49 | 579.32 |
| 4 | 578.69 | 578.55 | 578.51 | 578.67 | 579.14 | 579.03 | 579.16 | 579.24 | 579.15 | 579.08 | 578.96 | 579.18 |
| 5 | 578.71 | 578.66 | 578.48 | 578.75 | 579.11 | 579.05 | 579.15 | 579.27 | 579.03 | 579.06 | 579.07 | 579.31 |
| 6 | 578.68 | 578.49 | 578.38 | 578.68 | 579.14 | 579.12 | 579.16 | 579.23 | 579.06 | 579.06 | 579.02 | 579.35 |
| 7 | 578.78 | 578.58 | 578.48 | 578.70 | 579.14 | 579.12 | 579.06 | 579.13 | 579.09 | 579.01 | 578.98 | 579.42 |
| 8 | 578.58 | 578.56 | 578.64 | 578.78 | 579.07 | 579.16 | 579.04 | 579.16 | 579.12 | 578.94 | 578.93 | 579.20 |
| 9 | 578.53 | 578.64 | 578.60* | 578.69 | 579.07 | 579.16 | 579.21 | 579.30 | 579.16 | 578.89 | 578.90 | 579.06 |
| 10 | 578.79 | 578.45 | 578.61 | 578.78 | 579.10 | 579.13 | 579.14 | 579.18 | 579.14 | 579.08 | 578.90 | 578.99 |
| 11 | 578.76 | 578.59 | 578.72 | 578.59 | 579.00 | 579.10 | 579.16 | 579.33 | 579.24 | 579.05 | 579.11 | 579.10 |
| 12 | 578.55 | 578.56 | 578.80 | 578.86 | 579.09 | 579.13 | 579.13 | 579.23 | 579.09 | 579.11 | 579.00 | 579.15 |
| 13 | 578.76 | 578.46 | 578.84 | 578.86 | 579.23 | 579.14 | 579.19 | 579.20 | 579.08 | 579.20 | 579.06 | 579.08 |
| 14 | 578.73 | 578.55 | 578.80 | 578.73 | 579.18 | 579.08 | 579.20 | 579.19 | 579.04 | 579.03 | 579.28 | 579.03 |
| 15 | 578.76 | 578.56 | 578.78 | 578.75 | 579.08 | 578.96 | 579.24 | 579.15 | 579.08 | 578.96 | 579.09 | 579.02 |
| 16 | 578.72 | 578.52 | 578.71 | 578.70 | 579.07 | 579.00 | 579.21 | 579.15 | 579.09 | 578.91 | 579.09 | 578.97 |
| 17 | 578.72 | 578.57 | 578.82 | 578.84 | 579.14 | 578.89 | 579.23 | 579.17 | 579.17 | 579.25 | 579.06 | 579.18 |
| 18 | 579.09 | 578.45 | 578.77 | 578.81 | 579.21 | 579.17 | 579.29 | 579.17 | 579.16 | 579.07 | 579.07 | 579.19 |
| 19 | 578.92 | 578.47 | 578.66 | 578.72 | 579.07 | 579.25 | 579.26 | 579.22 | 579.40 | 579.06 | 579.06 | 579.02 |
| 20 | 578.66 | 578.60 | 578.77 | 578.82 | 579.11 | 579.11 | 579.31 | 579.18 | 579.22 | 578.92 | 578.85 | 579.29 |
| 21 | 578.79 | 578.54 | 578.74 | 578.85 | 579.08 | 579.13 | 579.31 | 579.19 | 579.14 | 578.97 | 578.81 | 579.22 |
| 22 | 578.54 | 578.51 | 578.63 | 578.94 | 579.10 | 579.17 | 579.19 | 579.15 | 579.29 | 578.92 | 579.22 | 579.13 |
| 23 | 578.48 | 578.60 | 578.72 | 579.02 | 579.23 | 579.06 | 579.18 | 579.06 | 579.36 | 578.96 | 579.22 | 579.16 |
| 24 | 578.73 | 578.47 | 578.66 | 579.01 | 579.16 | 579.06 | 579.21 | 579.06 | 579.17 | 579.06 | 579.22 | 579.35 |
| 25 | 578.72 | 578.45 | 578.58 | 579.12 | 579.16 | 579.10 | 579.20 | 579.08 | 579.06 | 578.97 | 579.20 | 579.16 |
| 26 | 578.67 | 578.63 | 578.69 | 579.07 | 579.15 | 579.08 | 579.22 | 579.07 | 579.02 | 578.95 | 579.02 | 579.61 |
| 27 | 578.53 | 578.70 | 578.64 | 579.07 | 579.20 | 579.20 | 579.34 | 579.15 | 579.12 | 579.00 | 579.27 | 579.07 |
| 28 | 578.61 | 578.68 | 578.82 | 579.10 | 579.14 | 579.15 | 579.28 | 579.18 | 579.26 | 578.90 | 579.22 | 579.00 |
| 29 | 578.79 | 578.62 | 578.71 | 579.06 | 579.11 | 579.08 | 579.26 | 579.32 | 579.43 | 578.88 | 579.28 | 579.02 |
| 30 | 578.72 | | 578.72 | 579.05 | 579.09 | 579.10 | 579.22 | 579.25 | 579.15 | 578.93 | 579.28 | 579.00 |
| 31 | 578.71 | | 578.72 | | 579.15 | | 579.18 | 579.35 | | 578.88 | | 579.09 |
| Mean | 578.69 | 578.56 | 578.67 | 578.84 | 579.13 | 579.10 | 579.18 | 579.20 | 579.16 | 579.02 | 579.04 | 579.17 |
| Max. | 579.19 | 578.82 | 578.95 | 579.17 | 579.61 | 579.48 | 579.49 | 579.50 | 579.60 | 579.34 | 579.65 | 579.76 |
| Hr. | 1600 | 1500 | 0200 | 1300 | 1300 | 2100 | 1400 | 1800 | 0100 | 0400 | 0200 | 1000 |
| Day | 18 | 27 | 13 | 28 | 2 | 18 | 27 | 2 | 23 | 17 | 23 | 26 |
| Min. | 578.24 | 578.25 | 578.25 | 578.41 | 578.66 | 578.41 | 578.52 | 578.91 | 578.81 | 578.57 | 577.92 | 578.56 |
| Hr. | 2300 | 0400 | 1800 | 1100 | 1800 | 2200 | 1000 | 1000 | 1500 | 1700 | 2200 | 0600 |
| Day | 22 | 21 | 10 | 11 | 1 | 17 | 3 | 10 | 27 | 16 | 2 | 16 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 578.98

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 907-5080 Mackinaw City, Michigan on Straits of Mackinac

HIGHEST

Monthly mean elevation: 579.17 Dec
Daily mean elevation: 579.36 1 Dec
Instant/hourly elevation: 580.08 0700/25 Dec

LOWEST

Monthly mean elevation: 578.51 Feb
Daily mean elevation: 578.26 10 Mar
Instant/hourly elevation: 577.91 1000/10 Mar

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.87 | 578.70 | 578.88 | 579.09 | 579.23 | 579.24 | 579.31 | 579.30 | 579.28 | 579.28 | 579.33 | 579.36 |
| Day | 16     | 10     | 16     | 28     | 7      | 18     | 19     | 30     | 18     | 9      | 29     | 1      |
| Min | 578.34 | 578.29 | 578.26 | 578.54 | 579.00 | 579.00 | 578.98 | 578.99 | 579.03 | 578.82 | 578.89 | 578.99 |
| Day | 14     | 11     | 10     | 1      | 5      | 14     | 1      | 27     | 22     | 31     | 6      | 31     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.20 | | | | | 3 | 2 | 7 | 4 | 7 | 3 | 6 | 12 | 579.20 | 44 |
| 579.00 | | | | 4 | 27 | 27 | 23 | 25 | 23 | 13 | 18 | 18 | 579.00 | 222 |
| 578.80 | 3 | | 1 | 9 | 1 | 1 | 1 | 2 | | 15 | 6 | 1 | 578.80 | 262 |
| 578.60 | 19 | 6 | 12 | 13 | | | | | | | | | 578.60 | 312 |
| 578.40 | 7 | 19 | 16 | 4 | | | | | | | | | 578.40 | 358 |
| 578.20 | 2 | 4 | 2 | | | | | | | | | | 578.20 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 907-5080 Mackinaw City, Michigan on Straits of Mackinac

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 578.67 | 578.54 | 578.60 | 578.54 | 579.22 | 579.05 | 578.98 | 579.30 | 579.06 | 579.21 | 578.95 | 579.36 |
| 2 | 578.65 | 578.63 | 578.54 | 578.60 | 579.10 | 579.11 | 579.04 | 579.21 | 579.19 | 579.21 | 579.30 | 579.14 |
| 3 | 578.67 | 578.59 | 578.52 | 578.69 | 579.08 | 579.10 | 579.18 | 579.16 | 579.11 | 578.99 | 579.22 | 579.13 |
| 4 | 578.65 | 578.31 | 578.57 | 578.57 | 579.03 | 579.11 | 579.21 | 579.15 | 579.07 | 579.03 | 579.07 | 579.12 |
| 5 | 578.63 | 578.59 | 578.45 | 578.66 | 579.00 | 579.11 | 579.09 | 579.16 | 579.14 | 579.06 | 578.95 | 579.21 |
| 6 | 578.66 | 578.65 | 578.51 | 578.76 | 579.10 | 579.11 | 579.07 | 579.17 | 579.08 | 579.14 | 578.89 | 579.35 |
| 7 | 578.59 | 578.48 | 578.56 | 578.68 | 579.23 | 579.11 | 579.09 | 579.16 | 579.05 | 579.06 | 578.92 | 579.07 |
| 8 | 578.70 | 578.39 | 578.65 | 578.69 | 579.08 | 579.08 | 579.14 | 579.18 | 579.13 | 579.08 | 579.02 | 579.14 |
| 9 | 578.64 | 578.51 | 578.48 | 578.70 | 579.05 | 579.06 | 579.15 | 579.19 | 579.19 | 579.28 | 579.08 | 579.23 |
| 10 | 578.68 | 578.70 | 578.26 | 578.57 | 579.09 | 579.08 | 579.14 | 579.21 | 579.12 | 579.17 | 579.18 | 579.23 |
| 11 | 578.72 | 578.29 | 578.48 | 578.70 | 579.20 | 579.10 | 579.14 | 579.17 | 579.12 | 579.06 | 579.03 | 579.10 |
| 12 | 578.85 | 578.51 | 578.43 | 578.61 | 579.16 | 579.14 | 579.15 | 579.12 | 579.21 | 579.13 | 578.99 | 579.09 |
| 13 | 578.59 | 578.52 | 578.60 | 578.73 | 579.05 | 579.10 | 579.16 | 579.10 | 579.18 | 579.11 | 579.16 | 579.10 |
| 14 | 578.34 | 578.48 | 578.58 | 578.70 | 579.08 | 579.00 | 579.18 | 579.08 | 579.14 | 578.92 | 579.04 | 579.18 |
| 15 | 578.57 | 578.40 | 578.61 | 578.70 | 579.15 | 579.02 | 579.23 | 579.07 | 579.09 | 578.94 | 579.06 | 579.21 |
| 16 | 578.87 | 578.47 | 578.88 | 578.71 | 579.21 | 579.05 | 579.27 | 579.09 | 579.24 | 579.00 | 579.08 | 579.25 |
| 17 | 578.53 | 578.50 | 578.50 | 578.81 | 579.14 | 579.22 | 579.24 | 579.17 | 579.22 | 579.07 | 578.99 | 579.08 |
| 18 | 578.69 | 578.45 | 578.61 | 578.80 | 579.07 | 579.24 | 579.22 | 579.13 | 579.28 | 578.89 | 579.01 | 579.20 |
| 19 | 578.67 | 578.43 | 578.58 | 578.93 | 579.13 | 579.08 | 579.31 | 579.08 | 579.24 | 578.99 | 579.02 | 579.28 |
| 20 | 578.72 | 578.64 | 578.57 | 578.92 | 579.15 | 579.12 | 579.18 | 579.12 | 579.27 | 579.09 | 579.22 | 579.11 |
| 21 | 578.51 | 578.46 | 578.63 | 578.98 | 579.13 | 579.09 | 579.19 | 579.17 | 579.21 | 578.94 | 579.17 | 579.32 |
| 22 | 578.68 | 578.55 | 578.60 | 579.07 | 579.19 | 579.09 | 579.20 | 579.10 | 579.03 | 579.07 | 579.04 | 579.20 |
| 23 | 578.68 | 578.48 | 578.67 | 578.98 | 579.07 | 579.07 | 579.16 | 579.13 | 579.16 | 579.05 | 579.14 | 579.02 |
| 24 | 578.40 | 578.51 | 578.70 | 578.94 | 579.05 | 579.06 | 579.19 | 579.16 | 579.20 | 578.87 | 579.17 | 579.34 |
| 25 | 578.61 | 578.53 | 578.78 | 578.97 | 579.06 | 579.09 | 579.23 | 579.13 | 579.15 | 578.99 | 579.11 | 579.27 |
| 26 | 578.63 | 578.63 | 578.63 | 578.93 | 579.07 | 579.08 | 579.20 | 579.00 | 579.16 | 578.91 | 579.23 | 579.13 |
| 27 | 578.60 | 578.50 | 578.39 | 578.94 | 579.10 | 579.08 | 579.11 | 578.99 | 579.18 | 578.94 | 579.17 | 579.25 |
| 28 | 578.68 | 578.49 | 578.62 | 579.09 | 579.12 | 579.19 | 579.20 | 579.02 | 579.12 | 578.91 | 579.27 | 579.03 |
| 29 | 578.81 | 578.63 | 578.65 | 579.08 | 579.12 | 579.06 | 579.15 | 579.10 | 579.05 | 578.83 | 579.33 | 579.13 |
| 30 | 578.62 | | 578.66 | 579.01 | 579.07 | 579.07 | 579.11 | 579.30 | 579.09 | 578.87 | 579.18 | 579.07 |
| 31 | 578.49 | | 578.64 | | 579.09 | | 579.14 | 579.09 | | 578.82 | | 578.99 |
| Mean | 578.64 | 578.51 | 578.58 | 578.80 | 579.11 | 579.10 | 579.16 | 579.14 | 579.15 | 579.02 | 579.10 | 579.17 |
| Max. | 579.39 | 579.12 | 579.19 | 579.24 | 579.51 | 579.72 | 579.52 | 579.77 | 579.78 | 579.58 | 579.55 | 580.08 |
| Hr. | 2100 | 1700 | 1800 | 1700 | 0900 | 1400 | 2200 | 0300 | 0900 | 0800 | 0900 | 0700 |
| Day | 20 | 20 | 16 | 28 | 1 | 18 | 19 | 30 | 18 | 12 | 21 | 25 |
| Min. | 578.04 | 577.96 | 577.91 | 578.29 | 578.74 | 578.81 | 578.78 | 578.82 | 578.63 | 578.58 | 578.71 | 578.38 |
| Hr. | 0800 | 1600 | 1000 | 0200 | 2000 | 0200 | 0300 | 1000 | 1900 | 1500 | 2400 | 1400 |
| Day | 24 | 4 | 10 | 16 | 1 | 15 | 2 | 26 | 28 | 12 | 5 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 578.96

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 907-5099 De Tour Village, Michigan on Lake Huron

HIGHEST

Monthly mean elevation: 579.17 Dec
Daily mean elevation: 579.55 26 Dec
Instant/hourly elevation: 579.85 0700/25 Dec

LOWEST

Monthly mean elevation: 578.50 Feb
Daily mean elevation: 578.22 10 Mar
Instant/hourly elevation: 577.93 1300/14 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.97 | 578.72 | 578.84 | 579.11 | 579.23 | 579.21 | 579.29 | 579.26 | 579.32 | 579.22 | 579.33 | 579.55 |
| Day | 18 | 10 | 16 | 28 | 7 | 18 | 19 | 1 | 19 | 2 | 29 | 26 |
| Min | 578.23 | 578.26 | 578.22 | 578.51 | 578.97 | 578.93 | 578.84 | 578.85 | 578.96 | 578.74 | 578.67 | 578.88 |
| Day | 14 | 4 | 10 | 11 | 5 | 15 | 2 | 28 | 22 | 16 | 3 | 31 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.40 | | | | | | | | | | | | 3 | 579.40 | 3 |
| 579.20 | | | | | 1 | 1 | 6 | 3 | 5 | 2 | 4 | 9 | 579.20 | 34 |
| 579.00 | | | | 4 | 26 | 25 | 22 | 25 | 24 | 14 | 13 | 14 | 579.00 | 201 |
| 578.80 | 4 | | 1 | 9 | 4 | 4 | 3 | 3 | 1 | 13 | 10 | 5 | 578.80 | 258 |
| 578.60 | 19 | 5 | 16 | 11 | | | | | | 2 | 3 | | 578.60 | 314 |
| 578.40 | 6 | 16 | 12 | 6 | | | | | | | | | 578.40 | 354 |
| 578.20 | 2 | 8 | 2 | | | | | | | | | | 578.20 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 907-5099 De Tour Village, Michigan on Lake Huron

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.67 | 578.50 | 578.69 | 578.54 | 579.11 | 579.09 | 578.95 | 579.26 | 579.08 | 579.16 | 578.77 | 579.29 |
| 2 | 578.69 | 578.64 | 578.48 | 578.60 | 578.97 | 579.10 | 578.84 | 579.24 | 579.13 | 579.22 | 578.75 | 579.21 |
| 3 | 578.62 | 578.60 | 578.47 | 578.75 | 579.13 | 579.13 | 578.90 | 579.15 | 579.05 | 579.06 | 578.67 | 579.15 |
| 4 | 578.65 | 578.26 | 578.55 | 578.55 | 579.05 | 579.05 | 579.18 | 579.08 | 579.11 | 578.98 | 578.96 | 579.15 |
| 5 | 578.66 | 578.63 | 578.44 | 578.67 | 578.97 | 579.06 | 579.12 | 579.16 | 579.06 | 579.02 | 579.03 | 579.17 |
| 6 | 578.64 | 578.60 | 578.42 | 578.76 | 579.11 | 579.12 | 579.09 | 579.19 | 579.05 | 579.11 | 578.85 | 579.34 |
| 7 | 578.65 | 578.44 | 578.43 | 578.65 | 579.23 | 579.09 | 579.08 | 579.11 | 579.05 | 579.09 | 578.91 | 579.29 |
| 8 | 578.68 | 578.37 | 578.63 | 578.76 | 579.11 | 579.09 | 579.08 | 579.09 | 579.06 | 579.02 | 578.99 | 579.17 |
| 9 | 578.53 | 578.54 | 578.59 | 578.69 | 579.00 | 579.09 | 579.14 | 579.24 | 579.22 | 579.14 | 579.07 | 579.24 |
| 10 | 578.72 | 578.72 | 578.22 | 578.65 | 579.09 | 579.09 | 579.16 | 579.18 | 579.06 | 579.21 | 579.11 | 579.12 |
| 11 | 578.80 | 578.33 | 578.42 | 578.51 | 579.14 | 579.10 | 579.12 | 579.18 | 579.17 | 579.04 | 579.06 | 578.99 |
| 12 | 578.75 | 578.58 | 578.45 | 578.56 | 579.14 | 579.14 | 579.10 | 579.09 | 579.15 | 579.05 | 578.96 | 579.10 |
| 13 | 578.68 | 578.52 | 578.63 | 578.84 | 579.06 | 579.12 | 579.14 | 579.07 | 579.20 | 579.14 | 579.00 | 579.07 |
| 14 | 578.23 | 578.52 | 578.62 | 578.68 | 579.13 | 579.01 | 579.15 | 579.09 | 579.12 | 579.00 | 579.24 | 579.11 |
| 15 | 578.58 | 578.38 | 578.62 | 578.70 | 579.11 | 578.93 | 579.21 | 579.05 | 579.10 | 578.84 | 579.06 | 579.23 |
| 16 | 578.81 | 578.39 | 578.84 | 578.59 | 579.17 | 578.99 | 579.23 | 579.08 | 579.20 | 578.74 | 579.11 | 579.13 |
| 17 | 578.57 | 578.56 | 578.59 | 578.78 | 579.09 | 579.12 | 579.21 | 579.15 | 579.27 | 579.15 | 578.91 | 579.10 |
| 18 | 578.97 | 578.40 | 578.69 | 578.81 | 579.13 | 579.21 | 579.21 | 579.13 | 579.20 | 578.94 | 578.98 | 579.24 |
| 19 | 578.94 | 578.33 | 578.53 | 578.76 | 579.10 | 579.10 | 579.29 | 579.08 | 579.32 | 578.98 | 579.05 | 579.18 |
| 20 | 578.71 | 578.63 | 578.61 | 578.86 | 579.14 | 579.00 | 579.16 | 579.10 | 579.27 | 579.08 | 579.09 | 579.11 |
| 21 | 578.61 | 578.46 | 578.65 | 578.90 | 579.12 | 579.00 | 579.21 | 579.16 | 579.17 | 578.92 | 578.94 | 579.44 |
| 22 | 578.75 | 578.52 | 578.54 | 579.06 | 579.15 | 579.11 | 579.16 | 579.13 | 578.96 | 579.05 | 579.06 | 579.22 |
| 23 | 578.60 | 578.51 | 578.67 | 579.04 | 579.05 | 579.06 | 579.11 | 579.09 | 579.26 | 579.02 | 578.92 | 578.96 |
| 24 | 578.38 | 578.43 | 578.71 | 578.91 | 579.00 | 579.02 | 579.16 | 579.12 | 579.17 | 578.90 | 579.05 | 579.36 |
| 25 | 578.68 | 578.40 | 578.68 | 579.00 | 579.04 | 579.10 | 579.20 | 579.13 | 579.10 | 578.96 | 579.11 | 579.17 |
| 26 | 578.63 | 578.63 | 578.68 | 578.96 | 579.07 | 579.05 | 579.14 | 578.98 | 579.09 | 578.86 | 579.07 | 579.55 |
| 27 | 578.56 | 578.57 | 578.30 | 578.92 | 579.13 | 579.09 | 579.12 | 578.98 | 579.07 | 578.96 | 579.16 | 579.42 |
| 28 | 578.62 | 578.55 | 578.65 | 579.11 | 579.14 | 579.18 | 579.20 | 578.85 | 579.11 | 578.88 | 579.26 | 579.04 |
| 29 | 578.86 | 578.58 | 578.68 | 579.09 | 579.12 | 579.07 | 579.10 | 579.13 | 579.18 | 578.76 | 579.33 | 579.00 |
| 30 | 578.71 | | 578.66 | 579.00 | 579.05 | 579.08 | 579.15 | 579.18 | 579.06 | 578.88 | 579.26 | 578.93 |
| 31 | 578.54 | | 578.70 | | 579.06 | | 579.06 | 579.18 | | 578.82 | | 578.88 |
| Mean | 578.66 | 578.50 | 578.58 | 578.79 | 579.09 | 579.08 | 579.13 | 579.12 | 579.13 | 579.00 | 579.03 | 579.17 |
| Max.
Hr.
Day | 579.10
1900
18 | 578.96
0600
28 | 579.04
1700
16 | 579.24
1600
28 | 579.34
0500
3 | 579.48
0100
18 | 579.44
2200
19 | 579.49
0500
30 | 579.56
0600
28 | 579.40
0900
12 | 579.39
0800
30 | 579.85
0700
25 |
| Min.
Hr.
Day | 577.93
1300
14 | 578.01
1200
4 | 578.06
0900
10 | 578.18
0600
12 | 578.74
0100
2 | 578.84
1200
15 | 578.67
1500
2 | 578.76
1100
28 | 578.53
1900
28 | 578.33
1500
16 | 578.28
2400
2 | 578.35
1500
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 578.94

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 907-6060 US Slip, Sault St Marie, Michigan below locks on St Marys R

HIGHEST

Monthly mean elevation: 580.58 Feb
Daily mean elevation: 581.21 19 Jan
Instant/hourly elevation: 581.32 2300/19 Jan

LOWEST

Monthly mean elevation: 580.09 Apr
Daily mean elevation: 579.53 12 Apr
Instant/hourly elevation: 579.21 2300/28 Sep

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 581.21 | 580.70 | 580.70 | 580.59 | 580.58 | 580.43 | 580.39 | 580.55 | 580.60 | 580.64 | 580.74 | 580.73 |
| Day | 19     | 3      | 18     | 3      | 1      | 18     | 19     | 30     | 20     | 9      | 2      | 27     |
| Min | 579.66 | 579.96 | 580.04 | 579.53 | 579.91 | 579.98 | 579.88 | 580.15 | 579.91 | 580.00 | 579.91 | 579.74 |
| Day | 14     | 29     | 29     | 12     | 23     | 21     | 31     | 26     | 22     | 16     | 7      | 5      |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 581.20 | 1 | | | | | | | | | | | | 581.20 | 1 |
| 581.00 | 2 | | | | | | | | | | | | 581.00 | 3 |
| 580.80 | 9 | | | | | | | | | | | | 580.80 | 12 |
| 580.60 | 2 | 16 | 3 | | | | | | | 1 | 1 | 3 | 580.60 | 38 |
| 580.40 | | 12 | 16 | 5 | 3 | 1 | | 9 | 14 | 5 | 3 | 12 | 580.40 | 118 |
| 580.20 | 2 | | 8 | 8 | 19 | 13 | 12 | 19 | 12 | 15 | 18 | 7 | 580.20 | 251 |
| 580.00 | 6 | | 4 | 5 | 6 | 15 | 16 | 3 | 1 | 9 | 6 | 6 | 580.00 | 328 |
| 579.80 | 8 | 1 | | 7 | 3 | 1 | 3 | | 3 | 1 | 2 | 2 | 579.80 | 359 |
| 579.60 | 1 | | | 4 | | | | | | | | 1 | 579.60 | 365 |
| 579.40 | | | | 1 | | | | | | | | | 579.40 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 907-6060 US Slip, Sault St Marie, Michigan below locks on St Marys R

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|
| 1 | 579.97 | 580.61 | 580.55 | 580.31 | 580.58 | 580.18 | 580.15 | 580.41 | 580.34 | 580.30 | 580.21 | 580.45 |
| 2 | 580.07 | 580.70 | 580.48 | 580.42 | 580.13 | 580.22 | 580.18 | 580.42 | 580.60 | 580.42 | 580.74 | 580.48 |
| 3 | 580.02 | 580.70 | 580.40 | 580.59 | 580.26 | 580.27 | 580.31 | 580.28 | 580.35 | 580.21 | 580.22 | 580.11 |
| 4 | 579.97 | 580.61 | 580.46 | 580.49 | 580.29 | 580.30 | 580.23 | 580.20 | 580.39 | 580.15 | 580.22 | 580.41 |
| 5 | 579.96 | 580.69 | 580.44 | 580.48 | 580.20 | 580.25 | 580.18 | 580.31 | 580.42 | 580.31 | 580.30 | 579.74 |
| 6 | 579.93 | 580.66 | 580.37 | 580.42 | 580.35 | 580.25 | 580.15 | 580.46 | 580.32 | 580.42 | 580.05 | 580.09 |
| 7 | 579.89 | 580.63 | 580.29 | 580.15 | 580.44 | 580.21 | 580.25 | 580.44 | 580.25 | 580.45 | 579.91 | 580.29 |
| 8 | 580.05 | 580.55 | 580.32 | 580.06 | 580.43 | 580.08 | 580.33 | 580.23 | 580.29 | 580.40 | 580.13 | 580.34 |
| 9 | 579.89 | 580.53 | 580.40 | 579.97 | 580.28 | 580.07 | 580.21 | 580.31 | 580.58 | 580.64 | 580.44 | 580.52 |
| 10 | 579.88 | 580.69 | 580.16 | 579.89 | 580.24 | 580.19 | 580.31 | 580.34 | 580.34 | 580.52 | 580.45 | 580.47 |
| 11 | 580.05 | 580.62 | 580.22 | 579.81 | 580.31 | 580.22 | 580.22 | 580.32 | 580.41 | 580.28 | 580.28 | 580.05 |
| 12 | 580.02 | 580.64 | 580.30 | 579.53 | 580.29 | 580.23 | 580.24 | 580.39 | 580.42 | 580.22 | 580.31 | 579.86 |
| 13 | 579.94 | 580.68 | 580.53 | 579.94 | 579.97 | 580.15 | 580.02 | 580.36 | 580.52 | 580.29 | 580.00 | 579.91 |
| 14 | 579.66 | 580.64 | 580.58 | 579.74 | 580.23 | 580.11 | 579.95 | 580.37 | 580.46 | 580.32 | 580.36 | 580.28 |
| 15 | 580.08 | 580.58 | 580.53 | 579.77 | 580.29 | 580.16 | 580.06 | 580.34 | 580.36 | 580.14 | 580.25 | 580.43 |
| 16 | 580.24 | 580.52 | 580.62 | 579.67 | 580.36 | 580.19 | 580.16 | 580.34 | 580.50 | 580.00 | 580.30 | 580.43 |
| 17 | 580.35 | 580.63 | 580.68 | 579.70 | 580.22 | 580.37 | 580.15 | 580.44 | 580.42 | 580.15 | 580.14 | 580.22 |
| 18 | 580.64 | 580.53 | 580.70 | 579.88 | 580.24 | 580.43 | 580.23 | 580.38 | 580.39 | 580.26 | 580.15 | 580.35 |
| 19 | 581.21 | 580.49 | 580.55 | 579.82 | 580.30 | 580.10 | 580.39 | 580.23 | 580.39 | 580.24 | 580.26 | 580.47 |
| 20 | 581.08 | 580.54 | 580.58 | 579.90 | 580.31 | 580.07 | 579.89 | 580.39 | 580.60 | 580.53 | 580.52 | 580.17 |
| 21 | 580.86 | 580.53 | 580.57 | 580.05 | 580.26 | 579.98 | 580.02 | 580.36 | 580.56 | 580.21 | 580.29 | 580.61 |
| 22 | 580.61 | 580.57 | 580.51 | 580.34 | 580.29 | 580.20 | 580.13 | 580.24 | 579.91 | 580.37 | 580.21 | 580.33 |
| 23 | 580.99 | 580.59 | 580.55 | 580.31 | 579.91 | 580.33 | 580.06 | 580.42 | 580.47 | 580.31 | 580.18 | 580.06 |
| 24 | 580.85 | 580.54 | 580.58 | 580.10 | 579.99 | 580.18 | 580.14 | 580.41 | 580.56 | 580.06 | 580.25 | 580.33 |
| 25 | 580.81 | 580.55 | 580.50 | 580.26 | 580.11 | 580.24 | 580.36 | 580.44 | 580.52 | 580.22 | 580.27 | 580.47 |
| 26 | 580.89 | 580.66 | 580.37 | 580.21 | 580.09 | 580.20 | 580.19 | 580.15 | 580.38 | 580.10 | 580.21 | 580.61 |
| 27 | 580.92 | 580.64 | 580.15 | 580.11 | 580.06 | 580.12 | 580.05 | 580.26 | 580.04 | 580.20 | 580.22 | 580.73 |
| 28 | 580.87 | 580.64 | 580.09 | 580.28 | 580.23 | 580.32 | 580.37 | 580.16 | 580.26 | 580.23 | 580.35 | 580.43 |
| 29 | 581.02 | 579.96 | 580.04 | 580.30 | 580.25 | 580.18 | 580.15 | 580.21 | 579.97 | 580.05 | 580.10 | 580.50 |
| 30 | 580.97 | | 580.46 | 580.21 | 580.25 | 580.22 | 580.12 | 580.55 | 579.92 | 580.18 | 580.31 | 580.41 |
| 31 | 580.82 | | 580.52 | | 580.16 | | 579.88 | 580.33 | | 580.13 | | 580.14 |
| Mean | 580.40 | 580.58 | 580.44 | 580.09 | 580.24 | 580.20 | 580.16 | 580.34 | 580.36 | 580.27 | 580.26 | 580.31 |
| Max.
Hr.
Day | 581.32
2300
19 | 580.78
1400
6 | 580.78
2400
24 | 580.68
0100
3 | 580.87
1400
1 | 580.63
1300
17 | 580.65
1600
28 | 580.91
1200
21 | 580.90
1100
18 | 580.85
1100
9 | 581.14
1500
2 | 580.99
1500
21 |
| Min.
Hr.
Day | 579.50
1700
14 | 579.75
2000
29 | 579.93
1400
29 | 579.27
1300
12 | 579.50
2000
23 | 579.76
2000
21 | 579.51
1600
20 | 579.90
1900
26 | 579.21
2300
28 | 579.38
0100
17 | 579.34
1600
7 | 579.39
1600
5 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 580.30

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 907-6070 SW Pier, Sault St Marie, Michigan above locks, St Marys R

HIGHEST

Monthly mean elevation: 601.70 Oct
Daily mean elevation: 602.42 28 Sep
Instant/hourly elevation: 604.15 1500/28 Sep

LOWEST

Monthly mean elevation: 600.37 Apr
Daily mean elevation: 599.89 15 Apr
Instant/hourly elevation: 598.82 1700/1 May

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 601.79 | 601.00 | 600.85 | 600.87 | 601.48 | 601.28 | 601.77 | 601.75 | 602.42 | 602.32 | 602.35 | 602.36 |
| Day | 17 | 4 | 9 | 24 | 23 | 21 | 20 | 30 | 28 | 16 | 13 | 25 |
| Min | 600.38 | 600.42 | 600.17 | 599.89 | 600.28 | 600.66 | 600.86 | 601.26 | 601.08 | 601.36 | 600.56 | 600.95 |
| Day | 22 | 20 | 24 | 15 | 1 | 17 | 2 | 23 | 2 | 22 | 2 | 9 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 602.40 | | | | | | | | | 1 | | | | 602.40 | 1 |
| 602.20 | | | | | | | | | 1 | 1 | 1 | 1 | 602.20 | 5 |
| 602.00 | | | | | | | | | 1 | 1 | | 1 | 602.00 | 8 |
| 601.80 | | | | | | | | | 3 | 4 | 1 | 3 | 601.80 | 19 |
| 601.60 | 1 | | | | | | 2 | 5 | 5 | 13 | 9 | 4 | 601.60 | 58 |
| 601.40 | | | | | 1 | | 13 | 15 | 11 | 11 | 13 | 8 | 601.40 | 130 |
| 601.20 | 3 | | | | 1 | 4 | 12 | 11 | 6 | 1 | 3 | 10 | 601.20 | 181 |
| 601.00 | 7 | | | | 10 | 20 | 3 | | 2 | | 1 | 3 | 601.00 | 227 |
| 600.80 | 11 | 2 | 1 | 3 | 9 | 5 | 1 | | | | 1 | 1 | 600.80 | 261 |
| 600.60 | 8 | 12 | 8 | 6 | 9 | 1 | | | | | | | 600.60 | 305 |
| 600.40 | | 15 | 20 | 4 | | | | | | | 1 | | 600.40 | 345 |
| 600.20 | 1 | | 1 | 7 | 1 | | | | | | | | 600.20 | 355 |
| 600.00 | | | 1 | 6 | | | | | | | | | 600.00 | 362 |
| 599.80 | | | | 4 | | | | | | | | | 599.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 907-6070 SW Pier, Sault St Marie, Michigan above locks, St Marys R

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 600.94 | 600.57 | 600.60 | 600.54 | 600.28 | 601.03 | 601.04 | 601.36 | 601.45 | 601.57 | 601.19 | 601.29 |
| 2 | 600.94 | 600.67 | 600.41 | 600.43 | 600.87 | 601.00 | 600.86 | 601.53 | 601.08 | 601.72 | 600.56 | 601.84 |
| 3 | 600.99 | 600.58 | 600.50 | 600.24 | 601.01 | 601.01 | 601.10 | 601.57 | 601.67 | 601.79 | 601.41 | 601.52 |
| 4 | 601.16 | 601.00 | 600.47 | 600.31 | 600.87 | 600.89 | 601.34 | 601.62 | 601.40 | 601.67 | 601.80 | 601.77 |
| 5 | 601.00 | 600.53 | 600.51 | 600.12 | 600.79 | 601.01 | 601.46 | 601.47 | 601.14 | 601.49 | 601.77 | 601.73 |
| 6 | 601.20 | 600.58 | 600.43 | 600.06 | 600.64 | 601.04 | 601.39 | 601.37 | 601.58 | 601.54 | 601.67 | 601.82 |
| 7 | 601.04 | 600.76 | 600.64 | 600.50 | 600.65 | 601.12 | 601.20 | 601.26 | 601.47 | 601.58 | 601.51 | 601.73 |
| 8 | 600.65 | 600.80 | 600.63 | 600.22 | 600.70 | 601.15 | 601.22 | 601.51 | 601.81 | 601.55 | 601.44 | 601.35 |
| 9 | 601.22 | 600.59 | 600.85 | 600.21 | 600.77 | 601.11 | 601.36 | 601.42 | 601.38 | 601.49 | 601.26 | 600.95 |
| 10 | 601.18 | 600.72 | 600.78 | 599.98 | 600.64 | 601.06 | 601.46 | 601.51 | 601.79 | 601.72 | 601.46 | 601.23 |
| 11 | 600.82 | 600.83 | 600.70 | 600.26 | 600.64 | 601.06 | 601.37 | 601.60 | 601.55 | 601.79 | 601.65 | 601.40 |
| 12 | 601.01 | 600.62 | 600.79 | 600.37 | 600.88 | 601.09 | 601.34 | 601.53 | 601.44 | 602.13 | 601.73 | 601.33 |
| 13 | 601.34 | 600.69 | 600.66 | 599.91 | 601.15 | 601.12 | 601.42 | 601.48 | 601.24 | 602.00 | 602.35 | 601.23 |
| 14 | 601.18 | 600.57 | 600.67 | 599.96 | 600.84 | 601.10 | 601.46 | 601.47 | 601.52 | 601.72 | 601.72 | 601.14 |
| 15 | 601.07 | 600.56 | 600.60 | 599.89 | 600.77 | 601.01 | 601.33 | 601.38 | 601.54 | 601.72 | 601.65 | 601.06 |
| 16 | 600.85 | 600.58 | 600.50 | 600.09 | 600.68 | 600.87 | 601.32 | 601.35 | 601.44 | 602.32 | 601.60 | 601.66 |
| 17 | 601.79 | 600.51 | 600.68 | 600.18 | 601.12 | 600.66 | 601.42 | 601.31 | 601.57 | 601.99 | 601.47 | 601.60 |
| 18 | 601.23 | 600.49 | 600.52 | 600.02 | 600.99 | 601.20 | 601.46 | 601.63 | 601.97 | 601.96 | 601.40 | 601.30 |
| 19 | 600.83 | 600.64 | 600.53 | 600.09 | 600.86 | 601.28 | 601.31 | 601.55 | 601.79 | 601.64 | 601.40 | 601.53 |
| 20 | 600.74 | 600.42 | 600.57 | 600.36 | 600.88 | 601.26 | 601.77 | 601.36 | 601.47 | 601.57 | 600.97 | 601.89 |
| 21 | 600.81 | 600.53 | 600.41 | 600.53 | 600.93 | 601.28 | 601.47 | 601.40 | 601.60 | 601.58 | 601.82 | 601.29 |
| 22 | 600.38 | 600.56 | 600.42 | 600.62 | 600.95 | 601.07 | 601.39 | 601.34 | 602.35 | 601.36 | 601.66 | 601.47 |
| 23 | 600.86 | 600.53 | 600.40 | 600.76 | 601.48 | 601.00 | 601.49 | 601.26 | 601.62 | 601.70 | 601.54 | 602.04 |
| 24 | 600.99 | 600.46 | 600.17 | 600.87 | 601.21 | 601.10 | 601.35 | 601.31 | 601.32 | 601.76 | 601.52 | 601.41 |
| 25 | 600.80 | 600.63 | 600.42 | 600.77 | 601.05 | 601.11 | 601.33 | 601.55 | 601.31 | 601.43 | 601.58 | 602.36 |
| 26 | 600.66 | 600.68 | 600.52 | 600.81 | 601.15 | 601.22 | 601.54 | 601.74 | 601.38 | 601.91 | 601.70 | 601.55 |
| 27 | 600.72 | 600.75 | 600.56 | 600.85 | 601.14 | 601.15 | 601.67 | 601.50 | 602.06 | 601.64 | 601.59 | 601.21 |
| 28 | 600.62 | 600.72 | 600.46 | 600.63 | 601.02 | 600.97 | 601.45 | 601.54 | 602.42 | 601.61 | 601.50 | 601.42 |
| 29 | 600.69 | 600.70 | 600.49 | 600.72 | 601.02 | 601.16 | 601.53 | 601.44 | 601.83 | 601.63 | 601.60 | 601.17 |
| 30 | 600.84 | | 600.47 | 600.73 | 601.01 | 601.15 | 601.49 | 601.75 | 601.73 | 601.50 | 601.60 | 601.30 |
| 31 | 600.80 | | 600.51 | | 601.16 | | 601.46 | 601.72 | | 601.50 | | 601.56 |
| Mean | 600.95 | 600.63 | 600.54 | 600.37 | 600.91 | 601.08 | 601.38 | 601.48 | 601.60 | 601.70 | 601.54 | 601.49 |
| Max.
Hr.
Day | 602.50
0700
17 | 601.37
1200
4 | 601.24
1500
10 | 601.84
0100
12 | 602.13
0600
23 | 601.72
1500
19 | 602.42
0700
20 | 602.58
2400
9 | 604.15
1500
28 | 603.19
1700
16 | 603.08
0500
13 | 603.59
1200
25 |
| Min.
Hr.
Day | 599.95
1700
22 | 599.84
1800
21 | 599.95
0600
2 | 599.50
0700
5 | 598.82
1700
1 | 599.97
1800
17 | 600.44
2000
2 | 599.80
2200
9 | 600.25
0200
17 | 600.96
0400
8 | 599.35
1600
2 | 600.50
0400
27 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 601.14

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7023 Ludington, Michigan on Lake Michigan

HIGHEST

Monthly mean elevation: 579.29 Jul
Daily mean elevation: 579.88 2 Nov
Instant/hourly elevation: 580.37 1200/2 Nov

LOWEST

Monthly mean elevation: 578.65 Feb
Daily mean elevation: 578.07 18 Jan
Instant/hourly elevation: 577.93 1200/18 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.90 | 578.84 | 578.94 | 579.29 | 579.38 | 579.38 | 579.55 | 579.38 | 579.31 | 579.41 | 579.88 | 579.48 |
| Day | 3      | 25     | 7      | 30     | 1      | 18     | 3      | 8      | 26     | 9      | 2      | 16     |
| Min | 578.07 | 578.47 | 578.60 | 578.64 | 579.08 | 579.06 | 579.12 | 578.89 | 578.84 | 578.78 | 578.85 | 578.43 |
| Day | 18     | 11     | 17     | 2      | 7      | 19     | 4      | 31     | 29     | 17     | 14     | 26     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.80 | | | | | | | | | | | 1 | | 579.80 | 1 |
| 579.60 | | | | | | | | | | | | | 579.60 | 1 |
| 579.40 | | | | | | | 5 | | | 1 | 5 | 1 | 579.40 | 13 |
| 579.20 | | | | 2 | 17 | 12 | 20 | 9 | 13 | 1 | 9 | 16 | 579.20 | 112 |
| 579.00 | | | | 13 | 14 | 18 | 6 | 20 | 15 | 21 | 11 | 9 | 579.00 | 239 |
| 578.80 | 6 | 2 | 7 | 5 | | | | 2 | 2 | 6 | 4 | 4 | 578.80 | 277 |
| 578.60 | 18 | 15 | 22 | 10 | | | | | | 2 | | | 578.60 | 344 |
| 578.40 | 5 | 12 | 2 | | | | | | | | | 1 | 578.40 | 364 |
| 578.20 | 1 | | | | | | | | | | | | 578.20 | 365 |
| 578.00 | 1 | | | | | | | | | | | | 578.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 908-7023 Ludington, Michigan on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.71 | 578.69 | 578.60 | 578.79 | 579.38 | 579.20 | 579.21 | 579.16 | 579.12 | 579.14 | 579.17 | 579.26 |
| 2 | 578.69 | 578.59 | 578.75 | 578.64 | 579.26 | 579.22 | 579.44 | 579.21 | 579.22 | 579.06 | 579.88 | 579.23 |
| 3 | 578.90 | 578.75 | 578.74 | 578.75 | 579.12 | 579.16 | 579.55 | 579.24 | 579.18 | 579.14 | 579.53 | 579.10 |
| 4 | 578.70 | 578.58 | 578.73 | 578.83 | 579.21 | 579.28 | 579.12 | 579.21 | 579.14 | 579.18 | 579.20 | 579.29 |
| 5 | 578.72 | 578.60 | 578.77 | 578.71 | 579.22 | 579.32 | 579.19 | 579.12 | 579.23 | 579.15 | 578.97 | 579.07 |
| 6 | 578.74 | 578.77 | 578.92 | 578.77 | 579.17 | 579.20 | 579.14 | 579.13 | 579.28 | 579.09 | 579.03 | 579.01 |
| 7 | 578.65 | 578.68 | 578.94 | 578.72 | 579.08 | 579.27 | 579.24 | 579.26 | 579.22 | 579.13 | 579.05 | 578.87 |
| 8 | 578.87 | 578.69 | 578.71 | 578.70 | 579.17 | 579.16 | 579.27 | 579.38 | 579.22 | 579.23 | 579.10 | 579.16 |
| 9 | 578.86 | 578.57 | 578.88 | 578.80 | 579.28 | 579.15 | 579.20 | 579.18 | 579.17 | 579.41 | 579.20 | 579.35 |
| 10 | 578.65 | 578.63 | 578.66 | 578.77 | 579.20 | 579.17 | 579.25 | 579.26 | 579.14 | 579.19 | 579.23 | 579.37 |
| 11 | 578.68 | 578.47 | 578.86 | 579.18 | 579.27 | 579.17 | 579.31 | 579.19 | 579.03 | 579.15 | 578.94 | 579.36 |
| 12 | 578.86 | 578.55 | 578.75 | 578.70 | 579.27 | 579.14 | 579.36 | 579.27 | 579.09 | 579.03 | 579.16 | 579.22 |
| 13 | 578.72 | 578.57 | 578.70 | 578.81 | 579.14 | 579.14 | 579.42 | 579.24 | 579.11 | 578.78 | 578.86 | 579.26 |
| 14 | 578.76 | 578.56 | 578.68 | 578.93 | 579.20 | 579.24 | 579.40 | 579.19 | 579.27 | 579.12 | 578.85 | 579.30 |
| 15 | 578.72 | 578.72 | 578.69 | 578.96 | 579.31 | 579.31 | 579.35 | 579.21 | 579.27 | 579.14 | 579.11 | 579.24 |
| 16 | 578.75 | 578.69 | 578.68 | 579.13 | 579.30 | 579.30 | 579.41 | 579.16 | 579.27 | 579.14 | 579.05 | 579.48 |
| 17 | 578.48 | 578.59 | 578.60 | 579.08 | 579.25 | 579.33 | 579.46 | 579.12 | 579.25 | 578.78 | 579.23 | 579.24 |
| 18 | 578.07 | 578.78 | 578.70 | 579.00 | 579.19 | 579.38 | 579.35 | 579.16 | 579.27 | 578.95 | 579.23 | 579.23 |
| 19 | 578.32 | 578.81 | 578.79 | 579.20 | 579.32 | 579.06 | 579.37 | 579.11 | 579.03 | 578.94 | 579.19 | 579.38 |
| 20 | 578.67 | 578.66 | 578.69 | 579.11 | 579.26 | 579.22 | 579.32 | 579.10 | 579.20 | 579.15 | 579.43 | 578.90 |
| 21 | 578.60 | 578.69 | 578.72 | 579.15 | 579.28 | 579.18 | 579.23 | 579.07 | 579.30 | 579.03 | 579.49 | 579.06 |
| 22 | 578.79 | 578.68 | 578.86 | 579.11 | 579.28 | 579.12 | 579.31 | 579.10 | 579.08 | 579.11 | 579.14 | 579.08 |
| 23 | 578.89 | 578.66 | 578.65 | 579.03 | 579.09 | 579.27 | 579.31 | 579.20 | 578.99 | 579.08 | 579.51 | 579.05 |
| 24 | 578.48 | 578.78 | 578.80 | 579.25 | 579.18 | 579.26 | 579.30 | 579.18 | 579.20 | 579.01 | 579.28 | 578.91 |
| 25 | 578.65 | 578.84 | 578.89 | 579.01 | 579.31 | 579.15 | 579.31 | 579.16 | 579.26 | 578.98 | 579.31 | 578.90 |
| 26 | 578.64 | 578.62 | 578.83 | 579.06 | 579.25 | 579.18 | 579.28 | 579.20 | 579.31 | 579.03 | 579.54 | 578.43 |
| 27 | 578.82 | 578.54 | 578.77 | 579.08 | 579.15 | 579.07 | 579.14 | 579.11 | 579.19 | 578.94 | 579.29 | 579.07 |
| 28 | 578.68 | 578.56 | 578.69 | 579.16 | 579.18 | 579.09 | 579.24 | 579.16 | 579.01 | 579.04 | 579.28 | 579.11 |
| 29 | 578.55 | 578.60 | 578.75 | 579.14 | 579.18 | 579.16 | 579.25 | 579.00 | 578.84 | 579.06 | 579.24 | 579.37 |
| 30 | 578.58 | | 578.73 | 579.29 | 579.24 | 579.12 | 579.15 | 579.03 | 579.11 | 578.98 | 579.25 | 579.34 |
| 31 | 578.66 | | 578.70 | | 579.18 | | 579.22 | 578.89 | | 578.96 | | 579.32 |
| Mean | 578.67 | 578.65 | 578.75 | 578.96 | 579.22 | 579.20 | 579.29 | 579.16 | 579.17 | 579.07 | 579.23 | 579.16 |
| Max.
Hr.
Day | 579.14
1000
12 | 578.99
0300
19 | 579.26
1400
9 | 579.68
0800
24 | 579.68
2300
16 | 580.19
2100
17 | 580.19
0700
3 | 579.62
0600
8 | 579.71
1600
14 | 579.74
0800
9 | 580.37
1200
2 | 580.17
0800
16 |
| Min.
Hr.
Day | 577.93
1200
18 | 578.36
2100
4 | 578.28
0800
10 | 578.37
1200
10 | 578.76
2300
23 | 578.62
1800
17 | 578.89
1700
4 | 578.68
0800
31 | 578.62
1000
9 | 578.61
1500
17 | 578.66
0500
14 | 578.22
0800
26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.04

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7031 Holland, Michigan on Lake Michigan

HIGHEST

Monthly mean elevation: 579.31 Jul
Daily mean elevation: 579.75 2 Nov
Instant/hourly elevation: 580.01 1700/2 Nov

LOWEST

Monthly mean elevation: 578.64 Mar
Daily mean elevation: 578.13 8 Mar
Instant/hourly elevation: 577.98 0100/9 Mar

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.97 | 578.94 | 579.01 | 579.28 | 579.37 | 579.37 | 579.50 | 579.36 | 579.32 | 579.30 | 579.75 | 579.46 |
| Day | 14 | 19 | 27 | 16 | 23 | 20 | 14 | 8 | 21 | 15 | 2 | 10 |
| Min | 578.16 | 578.43 | 578.13 | 578.68 | 579.08 | 579.07 | 579.14 | 578.96 | 578.86 | 578.74 | 578.97 | 578.73 |
| Day | 18 | 12 | 8 | 6 | 7 | 28 | 5 | 31 | 29 | 13 | 13 | 21 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.60 | | | | | | | | | | | 2 | | 579.60 | 2 |
| 579.40 | | | | | | | 6 | | | | 3 | 2 | 579.40 | 13 |
| 579.20 | | | | 7 | 21 | 17 | 18 | 14 | 5 | 4 | 9 | 8 | 579.20 | 116 |
| 579.00 | | | 1 | 9 | 10 | 13 | 7 | 15 | 23 | 18 | 14 | 9 | 579.00 | 235 |
| 578.80 | 7 | 7 | 6 | 5 | | | | 2 | 2 | 8 | 2 | 3 | 578.80 | 277 |
| 578.60 | 20 | 13 | 14 | 9 | | | | | | 1 | | 1 | 578.60 | 335 |
| 578.40 | 3 | 9 | 4 | | | | | | | | | | 578.40 | 351 |
| 578.20 | | | 3 | | | | | | | | | | 578.20 | 354 |
| 578.00 | 1 | | 3 | | | | | | | | | | 578.00 | 358 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 908-7031 Holland, Michigan on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.71 | 578.68 | 578.59 | 578.91 | 579.25 | 579.22 | 579.29 | 579.06 | 579.18 | 579.04 | 579.06 | 579.15 |
| 2 | 578.73 | 578.65 | 578.43 | 578.75 | 579.27 | 579.20 | 579.46 | 579.19 | 579.20 | 578.97 | 579.75 | 579.35 |
| 3 | 578.90 | 578.73 | 578.17 | 578.72 | 579.12 | 579.16 | 579.50 | 579.31 | 579.23 | 579.18 | 579.52 | 579.09 |
| 4 | 578.76 | 578.75 | 578.14 | 578.96 | 579.22 | 579.28 | 579.15 | 579.28 | 579.13 | 579.23 | 579.18 | 579.42 |
| 5 | 578.70 | 578.50 | 578.23 | 578.72 | 579.34 | 579.34 | 579.14 | 579.15 | 579.17 | 579.15 | 579.06 | 579.13 |
| 6 | 578.73 | 578.81 | 578.36 | 578.68 | 579.18 | 579.22 | 579.15 | 579.17 | 579.22 | 579.06 | 579.16 | 578.86 |
| 7 | 578.68 | 578.81 | 578.36 | 578.78 | 579.08 | 579.22 | 579.19 | 579.23 | 579.19 | 579.09 | 579.18 | 578.95 |
| 8 | 578.80 | 578.76 | 578.13 | 578.69 | 579.20 | 579.16 | 579.28 | 579.36 | 579.14 | 579.19 | 579.11 | 579.16 |
| 9 | 578.96 | 578.58 | 578.45 | 578.77 | 579.25 | 579.18 | 579.17 | 579.23 | 579.13 | 579.23 | 579.09 | 579.15 |
| 10 | 578.68 | 578.56 | 578.67 | 578.84 | 579.18 | 579.19 | 579.26 | 579.31 | 579.19 | 579.10 | 579.08 | 579.46 |
| 11 | 578.76 | 578.62 | 578.79 | 579.21 | 579.21 | 579.20 | 579.30 | 579.26 | 579.03 | 579.13 | 578.98 | 579.38 |
| 12 | 578.76 | 578.43 | 578.86 | 578.80 | 579.20* | 579.12 | 579.39 | 579.33 | 579.06 | 579.01 | 579.32 | 579.20 |
| 13 | 578.84 | 578.59 | 578.72 | 578.75 | 579.24 | 579.11 | 579.42 | 579.33 | 579.02 | 578.74 | 578.97 | 579.28 |
| 14 | 578.97 | 578.58 | 578.76 | 578.96 | 579.19 | 579.28 | 579.50 | 579.26 | 579.17 | 579.11 | 579.01 | 579.19 |
| 15 | 578.89 | 578.82 | 578.75 | 578.95 | 579.26 | 579.33 | 579.38 | 579.24 | 579.18 | 579.30 | 579.13 | 579.12 |
| 16 | 578.72 | 578.63 | 578.54 | 579.28 | 579.22 | 579.27 | 579.37 | 579.19 | 579.13 | 579.25 | 579.08 | 579.30 |
| 17 | 578.68 | 578.65 | 578.74 | 579.09 | 579.28 | 579.26 | 579.43 | 579.13 | 579.19 | 578.82 | 579.39 | 579.28 |
| 18 | 578.16 | 578.87 | 578.71 | 579.09 | 579.27 | 579.25 | 579.41 | 579.16 | 579.27 | 579.13 | 579.20 | 579.09 |
| 19 | 578.41 | 578.94 | 578.81 | 579.21 | 579.33 | 579.25 | 579.34 | 579.13 | 579.02 | 578.97 | 579.16 | 579.28 |
| 20 | 578.67 | 578.65 | 578.77 | 579.15 | 579.29 | 579.37 | 579.37 | 579.11 | 579.15 | 579.06 | 579.32 | 578.93 |
| 21 | 578.61 | 578.78 | 578.75 | 579.15 | 579.33 | 579.28 | 579.30 | 579.06 | 579.32 | 579.07 | 579.40 | 578.73* |
| 22 | 578.69 | 578.74 | 578.84 | 579.01 | 579.25 | 579.16 | 579.33 | 579.12 | 579.13 | 578.95 | 579.27 | / |
| 23 | 578.96 | 578.77 | 578.70 | 579.13 | 579.37 | 579.28 | 579.33 | 579.15 | 578.96 | 578.97 | 579.56 | / |
| 24 | 578.74 | 578.84 | 578.78 | 579.22 | 579.35 | 579.27 | 579.31 | 579.08 | 579.12 | 579.04 | 579.40 | / |
| 25 | 578.69 | 578.89 | 578.82 | 579.11 | 579.29 | 579.17 | 579.28 | 579.08 | 579.20 | 578.95 | 579.41 | / |
| 26 | 578.63 | 578.60 | 578.92 | 579.23 | 579.27 | 579.25 | 579.27 | 579.26 | 579.21 | 579.01 | 579.61 | / |
| 27 | 578.85 | 578.55 | 579.01 | 579.27 | 579.18 | 579.12 | 579.18 | 579.27 | 579.15 | 578.89 | 579.31 | / |
| 28 | 578.68 | 578.73 | 578.68 | 579.09 | 579.15 | 579.07 | 579.19 | 579.29 | 579.01 | 579.06 | 579.27 | / |
| 29 | 578.45 | 578.59 | 578.81 | 579.19 | 579.24 | 579.20 | 579.30 | 578.96 | 578.86 | 579.17 | 579.20 | / |
| 30 | 578.57 | | 578.75 | 579.27 | 579.30 | 579.21 | 579.24 | 579.06 | 579.09 | 579.00 | 579.28 | 579.32* |
| 31 | 578.73 | | 578.78 | | 579.20 | | 579.26 | 578.96 | | 579.04 | | 579.33 |
| Mean | 578.71 | 578.69 | 578.64 | 579.00 | 579.24 | 579.22 | 579.31 | 579.18 | 579.13 | 579.06 | 579.25 | 579.18 |
| Max.
Hr.
Day | 579.31
0700
14 | 579.35
1500
28 | 579.58
0100
27 | 579.53
1100
11 | 579.60
0800
23 | 579.60
1600
17 | 579.72
2400
12 | 579.52
1000
26 | 579.55
0300
27 | 579.55
0800
16 | 580.01
1700
2 | 579.66
0300
11 |
| Min.
Hr.
Day | 578.04
0800
18 | 578.29
2300
29 | 577.98
0100
9 | 578.43
0600
13 | 578.95
2300
2 | 578.92
1800
28 | 579.00
0100
5 | 578.81
2200
29 | 578.70
1000
29 | 578.56
1900
13 | 578.80
0900
11 | 578.63
0600
21 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.05

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7044 Calumet Harbor, Illinois on Lake Michigan

HIGHEST

Monthly mean elevation: 579.32 Jul
Daily mean elevation: 580.11 10 Mar
Instant/hourly elevation: 580.99 0600/10 Mar

LOWEST

Monthly mean elevation: 578.67 Jan
Daily mean elevation: 578.11 19 Jan
Instant/hourly elevation: 577.07 2200/24 Dec

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.29 | 579.00 | 580.11 | 579.42 | 579.74 | 579.68 | 579.50 | 579.63 | 579.29 | 579.39 | 579.75 | 579.59 |
| Day | 14     | 15     | 10     | 27     | 24     | 20     | 14     | 28     | 22     | 29     | 22     | 11     |
| Min | 578.11 | 578.23 | 578.38 | 578.63 | 579.09 | 579.09 | 579.08 | 578.86 | 578.84 | 578.69 | 578.62 | 578.26 |
| Day | 19     | 10     | 16     | 3      | 1      | 28     | 4      | 29     | 13     | 13     | 13     | 25     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 580.00 | | | 1 | | | | | | | | | | 580.00 | 1 |
| 579.80 | | | | | | | | | | | | | 579.80 | 1 |
| 579.60 | | | | | 2 | 1 | | 1 | | | 5 | | 579.60 | 10 |
| 579.40 | | | | 1 | 3 | 3 | 10 | 5 | | | 5 | 7 | 579.40 | 44 |
| 579.20 | 1 | | 2 | 6 | 19 | 20 | 14 | 12 | 4 | 4 | 8 | 7 | 579.20 | 141 |
| 579.00 | 1 | | 5 | 13 | 7 | 6 | 7 | 10 | 18 | 14 | 2 | 6 | 579.00 | 230 |
| 578.80 | 6 | 12 | 13 | 5 | | | | 3 | 8 | 10 | 6 | 5 | 578.80 | 298 |
| 578.60 | 12 | 10 | 8 | 5 | | | | | | 3 | 1 | 1 | 578.60 | 338 |
| 578.40 | 7 | 6 | 1 | | | | | | | | | 3 | 578.40 | 355 |
| 578.20 | 2 | 1 | 1 | | | | | | | | | 2 | 578.20 | 361 |
| 578.00 | 2 | | | | | | | | | | | | 578.00 | 363 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7044 Calumet Harbor, Illinois on Lake Michigan

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.74 | 578.86 | 578.48 | 579.06 | 579.09 | 579.23 | 579.41 | 579.04 | 579.26 | 579.00 | 579.56 | 579.17 |
| 2 | 578.78 | 578.52 | 578.93 | 578.85 | 579.17 | 579.23 | 579.46 | 579.10 | 579.06 | 578.85 | 579.44 | 579.31 |
| 3 | 578.88 | 578.69 | 578.92 | 578.63 | 579.17 | 579.24 | 579.45 | 579.34 | 579.14 | 579.18 | 579.23 | 579.23 |
| 4 | 578.81 | 578.95 | 578.84 | 579.01 | 579.28 | 579.37 | 579.08 | 579.40 | 579.08 | 579.38 | 578.94 | 579.53 |
| 5 | 578.76 | 578.56 | 578.96 | 578.78 | 579.49 | 579.34 | 579.15 | 579.26 | 579.11 | 579.21 | 579.01 | 579.35 |
| 6 | 578.72 | 578.66 | 579.06 | 578.64 | 579.26 | 579.29 | 579.11 | 579.22 | 579.08 | 579.03 | 579.23 | 578.81 |
| 7 | 578.66 | 578.85 | 578.96 | 578.78 | 579.11 | 579.24 | 579.21 | 579.21 | 579.19 | 579.04 | 579.21 | 578.95 |
| 8 | 578.80 | 578.91 | 578.75 | 578.71 | 579.25 | 579.25 | 579.19 | 579.28 | 579.13 | 579.06 | 578.91 | 579.29 |
| 9 | 578.78 | 578.64 | 579.21 | 578.86 | 579.35 | 579.30 | 579.11 | 579.20 | 578.84 | 578.84 | 578.83 | 579.14 |
| 10 | 578.59 | 578.23 | 580.11 | 579.00 | 579.30 | 579.24 | 579.19 | 579.27 | 578.96 | 578.91 | 578.84 | 579.48 |
| 11 | 578.60 | 578.85 | 579.16 | 579.27 | 579.22 | 579.22 | 579.27 | 579.27 | 579.08 | 579.03 | 579.00 | 579.59 |
| 12 | 578.49 | 578.63 | 579.03 | 579.01 | 579.20 | 579.13 | 579.33 | 579.41 | 579.00 | 578.79 | 579.25 | 579.52 |
| 13 | 578.98 | 578.56 | 578.74 | 578.87 | 579.31 | 579.10 | 579.41 | 579.49 | 578.84 | 578.69 | 578.62 | 579.51 |
| 14 | 579.29 | 578.65 | 578.86 | 579.07 | 579.26 | 579.33 | 579.50 | 579.47 | 579.00 | 579.12 | 578.87 | 579.21 |
| 15 | 579.09 | 579.00 | 578.88 | 579.10 | 579.29 | 579.43 | 579.48 | 579.50 | 579.03 | 579.35 | / | 579.00 |
| 16 | 578.31 | 578.69 | 578.38 | 579.37 | 579.19 | 579.34 | 579.36 | 579.34 | 578.92 | 579.18 | / | 579.01 |
| 17 | 578.51 | 578.76 | 578.79 | 579.16 | 579.27 | 579.17 | 579.34 | 579.21 | 578.99 | 578.75 | / | 579.37 |
| 18 | 578.19 | 578.97 | 579.09 | 579.22 | 579.43 | 579.20 | 579.40 | 579.19 | 579.18 | 579.10 | 579.38* | 579.00 |
| 19 | 578.11 | 578.90 | 579.00 | 579.17 | 579.40 | 579.48 | 579.23 | 579.25 | 579.04 | 578.97 | 579.48 | 579.15 |
| 20 | 578.49 | 578.46 | 578.82 | 579.08 | 579.32 | 579.68 | 579.34 | 579.18 | 579.02 | 578.84 | 579.59 | 578.77 |
| 21 | 578.63 | 578.82 | 578.88 | 579.04 | 579.33 | 579.47 | 579.38 | 579.05 | 579.22 | 579.07 | 579.37 | 578.58 |
| 22 | 578.71 | 578.80 | 579.07 | 578.85 | 579.22 | 579.22 | 579.41 | 579.16 | 579.29 | 578.90 | 579.75 | 578.82 |
| 23 | 578.73 | 578.96 | 578.76 | 579.16 | 579.63 | 579.33 | 579.47 | 579.14 | 579.10 | 578.86 | 579.72 | 579.17 |
| 24 | 578.83 | 578.93 | 578.75 | 579.26 | 579.74 | 579.37 | 579.39 | 579.04 | 579.15 | 579.05 | 579.62 | 578.41 |
| 25 | 578.72 | 578.84 | 578.70 | 579.13 | 579.47 | 579.24 | 579.33 | 579.04 | 579.24 | 578.96 | 579.70 | 578.26 |
| 26 | 578.55 | 578.49 | 578.96 | 579.30 | 579.32 | 579.33 | 579.29 | 579.35 | 579.19 | 579.01 | 579.72 | 578.35 |
| 27 | 578.83 | 578.44 | 579.29 | 579.42 | 579.23 | 579.15 | 579.23 | 579.59 | 579.04 | 578.90 | 579.48 | 578.47 |
| 28 | 578.68 | 578.77 | 578.75 | 579.13 | 579.23 | 579.09 | 579.14 | 579.63 | 579.05 | 579.02 | 579.33 | 579.05 |
| 29 | 578.21 | 578.65 | 578.84 | 579.07 | 579.32 | 579.23 | 579.34 | 578.86 | 578.99 | 579.39 | 579.15 | 579.31 |
| 30 | 578.49 | | 578.76 | 579.26 | 579.39 | 579.32 | 579.42 | 578.90 | 579.09 | 579.17 | 579.26 | 579.50 |
| 31 | 578.85 | | 578.82 | | 579.20 | | 579.44 | 578.95 | | 579.17 | | 579.41 |
| Mean | 578.67 | 578.73 | 578.92 | 579.04 | 579.30 | 579.28 | 579.32 | 579.24 | 579.07 | 579.03 | 579.27 | 579.09 |
| Max.
Hr.
Day | 579.95
0200
14 | 579.87
1500
28 | 580.99
0600
10 | 580.05
0200
11 | 579.98
1200
24 | 579.92
1400
20 | 580.14
0400
3 | 580.05
2200
27 | 579.79
0500
22 | 579.80
2200
15 | 580.25
1000
22 | 580.20
1600
30 |
| Min.
Hr.
Day | 577.34
1500
19 | 577.70
1600
20 | 577.99
0800
1 | 578.19
1800
10 | 578.79
0400
3 | 578.39
0500
18 | 578.72
0900
4 | 578.32
2300
29 | 578.11
1400
9 | 578.11
1000
20 | 578.34
1900
13 | 577.07
2200
24 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.08

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7057 Milwaukee, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 579.35 Jul
Daily mean elevation: 579.92 2 Nov
Instant/hourly elevation: 580.43 1800/17 Jun

LOWEST

Monthly mean elevation: 578.69 Jan
Daily mean elevation: 578.08 18 Jan
Instant/hourly elevation: 577.97 1800/20 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.99 | 578.98 | 579.55 | 579.33 | 579.50 | 579.48 | 579.56 | 579.43 | 579.32 | 579.41 | 579.92 | 579.45 |
| Day | 8      | 18     | 10     | 16     | 24     | 17     | 14     | 13     | 25     | 15     | 2      | 10     |
| Min | 578.08 | 578.53 | 578.61 | 578.72 | 579.14 | 579.12 | 579.12 | 578.95 | 578.88 | 578.73 | 578.65 | 578.44 |
| Day | 18     | 27     | 1      | 8      | 3      | 27     | 4      | 31     | 22     | 13     | 13     | 26     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 579.80 | | | | | | | | | | | 1 | | 579.80 | 1 |
| 579.60 | | | | | | | | | | | 2 | | 579.60 | 3 |
| 579.40 | | | 1 | | 1 | 4 | 10 | 5 | | 1 | 6 | 1 | 579.40 | 32 |
| 579.20 | | | | 6 | 27 | 22 | 17 | 14 | 3 | 3 | 6 | 13 | 579.20 | 143 |
| 579.00 | | | 3 | 12 | 3 | 4 | 4 | 10 | 21 | 19 | 10 | 7 | 579.00 | 236 |
| 578.80 | 9 | 6 | 17 | 5 | | | | 2 | 6 | 6 | 4 | 6 | 578.80 | 297 |
| 578.60 | 15 | 19 | 10 | 7 | | | | | | 2 | 1 | 2 | 578.60 | 353 |
| 578.40 | 4 | 4 | | | | | | | | | | 2 | 578.40 | 363 |
| 578.20 | 2 | | | | | | | | | | | | 578.20 | 365 |
| 578.00 | 1 | | | | | | | | | | | | 578.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 908-7057 Milwaukee, Wisconsin on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 578.80 | 578.78 | 578.61 | 578.92 | 579.32 | 579.25 | 579.36 | 579.11 | 579.19 | 579.09 | 579.79 | 579.10 |
| 2 | 578.81 | 578.63 | 578.88 | 578.75 | 579.24 | 579.23 | 579.56 | 579.21 | 579.18 | 578.98 | 579.92 | 579.21 |
| 3 | 578.89 | 578.79 | 578.82 | 578.75 | 579.14 | 579.24 | 579.50 | 579.27 | 579.10 | 579.21 | 579.40 | 579.11 |
| 4 | 578.76 | 578.78 | 578.78 | 578.93 | 579.25 | 579.36 | 579.12 | 579.29 | 579.12 | 579.29 | 579.00 | 579.24 |
| 5 | 578.78 | 578.64 | 578.92 | 578.75 | 579.36 | 579.36 | 579.13 | 579.21 | 579.18 | 579.20 | 578.96 | 579.03 |
| 6 | 578.72 | 578.73 | 579.08 | 578.77 | 579.21 | 579.25 | 579.18 | 579.26 | 579.16 | 579.10 | 579.08 | 578.73 |
| 7 | 578.68 | 578.74 | 578.97 | 578.76 | 579.15 | 579.23 | 579.31 | 579.36 | 579.18 | 579.18 | 579.17 | 578.87 |
| 8 | 578.99 | 578.75 | 578.80 | 578.72 | 579.24 | 579.23 | 579.27 | 579.36 | 579.06 | 579.30 | 579.14 | 579.15 |
| 9 | 578.85 | 578.62 | 579.19 | 578.80 | 579.29 | 579.23 | 579.14 | 579.24 | 579.15 | 579.12 | 579.12 | 579.27 |
| 10 | 578.59 | 578.54 | 579.55 | 579.03 | 579.27 | 579.24 | 579.26 | 579.26 | 578.99 | 578.97 | 579.07 | 579.45 |
| 11 | 578.76 | 578.69 | 579.01 | 579.23 | 579.31 | 579.23 | 579.28 | 579.26 | 579.05 | 579.03 | 578.96 | 579.36 |
| 12 | 578.73 | 578.61 | 578.85 | 578.82 | 579.24 | 579.15 | 579.44 | 579.41 | 579.03 | 578.83 | 579.09 | 579.28 |
| 13 | 578.87 | 578.59 | 578.75 | 578.88 | 579.22 | 579.15 | 579.47 | 579.43 | 579.04 | 578.73 | 578.65 | 579.38 |
| 14 | 578.98 | 578.65 | 578.81 | 579.02 | 579.26 | 579.31 | 579.56 | 579.41 | 579.14 | 579.11 | 578.88 | 579.27 |
| 15 | 578.83 | 578.94 | 578.81 | 579.06 | 579.33 | 579.43 | 579.46 | 579.39 | 579.13 | 579.41 | 579.11 | 579.30 |
| 16 | 578.61 | 578.67 | 578.63 | 579.33 | 579.32 | 579.37 | 579.44 | 579.32 | 579.10 | 579.07 | 579.14 | 579.21 |
| 17 | 578.44 | 578.73 | 578.73 | 579.09 | 579.28 | 579.48 | 579.44 | 579.23 | 579.11 | 578.78 | 579.43 | 579.21 |
| 18 | 578.08 | 578.98 | 578.89 | 579.17 | 579.29 | 579.26 | 579.39 | 579.20 | 579.10 | 579.03 | 579.31 | 579.19 |
| 19 | 578.28 | 578.88 | 578.86 | 579.28 | 579.35 | 579.26 | 579.33 | 579.19 | 578.98 | 579.02 | 579.37 | 579.17 |
| 20 | 578.55 | 578.65 | 578.79 | 579.20 | 579.31 | 579.44 | 579.32 | 579.16 | 579.19 | 579.04 | 579.54 | 578.83 |
| 21 | 578.62 | 578.81 | 578.91 | 579.18 | 579.34 | 579.34 | 579.33 | 579.09 | 579.15 | 579.09 | 579.40 | 578.86 |
| 22 | 578.84 | 578.77 | 578.94 | 578.98 | 579.29 | 579.26 | 579.46 | 579.18 | 578.88 | 579.03 | 579.52 | 579.00 |
| 23 | 578.76 | 578.84 | 578.76 | 579.08 | 579.37 | 579.41 | 579.49 | 579.19 | 578.94 | 578.98 | 579.64 | 578.97 |
| 24 | 578.62 | 578.93 | 578.85 | 579.16 | 579.50 | 579.31 | 579.40 | 579.12 | 579.23 | 579.00 | 579.46 | 578.73 |
| 25 | 578.72 | 578.80 | 578.85 | 579.09 | 579.36 | 579.23 | 579.37 | 579.11 | 579.32 | 579.04 | 579.57 | 578.47 |
| 26 | 578.71 | 578.57 | 578.91 | 579.20 | 579.29 | 579.27 | 579.30 | 579.29 | 579.30 | 579.01 | 579.52 | 578.44 |
| 27 | 578.85 | 578.53 | 579.00 | 579.28 | 579.21 | 579.12 | 579.22 | 579.42 | 579.09 | 578.95 | 579.29 | 578.84 |
| 28 | 578.65 | 578.78 | 578.75 | 579.14 | 579.22 | 579.13 | 579.23 | 579.42 | 578.97 | 579.11 | 579.24 | 579.19 |
| 29 | 578.40 | 578.65 | 578.85 | 579.21 | 579.24 | 579.24 | 579.29 | 579.09 | 578.95 | 579.20 | 579.12 | 579.30 |
| 30 | 578.54 | | 578.79 | 579.29 | 579.28 | 579.23 | 579.34 | 578.99 | 579.17 | 579.08 | 579.17 | 579.35 |
| 31 | 578.73 | | 578.84 | | 579.20 | | 579.37 | 578.95 | | 579.18 | | 579.24 |
| Mean | 578.69 | 578.73 | 578.88 | 579.03 | 579.28 | 579.27 | 579.35 | 579.24 | 579.10 | 579.07 | 579.27 | 579.09 |
| Max. | 579.30 | 579.24 | 580.01 | 579.71 | 579.59 | 580.43 | 580.07 | 579.61 | 579.81 | 579.77 | 580.39 | 579.73 |
| Hr. | 0200 | 1300 | 1100 | 1500 | 0900 | 1800 | 0300 | 0700 | 2000 | 0500 | 2000 | 2400 |
| Day | 14 | 28 | 10 | 11 | 24 | 17 | 14 | 28 | 9 | 15 | 1 | 29 |
| Min. | 577.97 | 578.23 | 578.33 | 578.54 | 578.94 | 578.52 | 578.87 | 578.69 | 578.60 | 578.56 | 578.42 | 578.06 |
| Hr. | 1800 | 2200 | 0600 | 2200 | 2000 | 2200 | 1300 | 0800 | 0700 | 0800 | 1700 | 1900 |
| Day | 20 | 29 | 1 | 7 | 2 | 17 | 4 | 30 | 10 | 13 | 13 | 25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.08

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7068 Kewaunee, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 579.26 Jul
Daily mean elevation: 580.10 2 Nov
Instant/hourly elevation: 580.61 1100/2 Nov

LOWEST

Monthly mean elevation: 578.65 Feb
Daily mean elevation: 577.95 18 Jan
Instant/hourly elevation: 577.86 1200/18 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.99 | 578.85 | 578.95 | 579.21 | 579.39 | 579.43 | 579.53 | 579.32 | 579.27 | 579.24 | 580.10 | 579.40 |
| Day | 8      | 24     | 6      | 19     | 1      | 17     | 3      | 12     | 26     | 9      | 2      | 15     |
| Min | 577.95 | 578.44 | 578.56 | 578.68 | 579.09 | 579.10 | 579.07 | 578.82 | 578.90 | 578.73 | 578.66 | 578.39 |
| Day | 18     | 11     | 1      | 8      | 3      | 30     | 5      | 31     | 29     | 13     | 13     | 26     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 580.00 | | | | | | | | | | | 1 | | 580.00 | 1 |
| 579.80 | | | | | | | | | | | | | 579.80 | 1 |
| 579.60 | | | | | | | | | | | | | 579.60 | 1 |
| 579.40 | | | | | | 1 | 3 | | | | 4 | | 579.40 | 9 |
| 579.20 | | | | 1 | 19 | 11 | 19 | 9 | 1 | 3 | 7 | 11 | 579.20 | 90 |
| 579.00 | | | | 14 | 12 | 18 | 9 | 20 | 23 | 17 | 9 | 9 | 579.00 | 221 |
| 578.80 | 5 | 3 | 10 | 6 | | | | 2 | 6 | 9 | 5 | 6 | 578.80 | 273 |
| 578.60 | 18 | 18 | 19 | 9 | | | | | | 2 | 2 | 1 | 578.60 | 342 |
| 578.40 | 5 | 8 | 2 | | | | | | | | | 1 | 578.40 | 358 |
| 578.20 | 2 | | | | | | | | | | | 1 | 578.20 | 361 |
| 578.00 | | | | | | | | | | | | | 578.00 | 361 |
| 577.80 | 1 | | | | | | | | | | | | 577.80 | 362 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 908-7068 Kewaunee, Wisconsin on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| 1 | 578.74 | 578.76 | 578.56 | 578.76 | 579.39 | 579.18 | 579.23 | 579.14 | 579.04 | 579.09 | 579.36 | 579.19 |
| 2 | 578.78 | 578.62 | 578.78 | 578.70 | 579.22 | 579.21 | 579.50 | 579.15 | 579.20 | 579.02 | 580.10 | 579.09 |
| 3 | 578.86 | 578.73 | 578.75 | 578.75 | 579.09 | 579.16 | 579.53 | 579.17 | 579.06 | 579.08 | 579.45 | 579.05 |
| 4 | 578.68 | 578.57 | 578.72 | 578.80 | 579.19 | 579.25 | 579.14 | 579.16 | 579.06 | 579.16 | 578.96 | 579.14 |
| 5 | 578.75 | 578.65 | 578.82 | 578.74 | 579.23 | 579.27 | 579.07 | 579.13 | 579.18 | 579.16 | 578.84 | 578.91* |
| 6 | 578.71 | 578.71 | 578.95 | 578.82 | 579.17 | 579.20 | 579.12 | 579.15 | 579.09 | 579.11 | 579.00* | / |
| 7 | 578.67 | 578.61 | 578.89 | 578.75 | 579.12 | 579.25 | 579.22 | 579.30 | 579.08 | 579.12 | / | / |
| 8 | 578.99 | 578.61 | 578.78 | 578.68 | 579.16 | 579.18 | 579.28 | 579.30 | 579.04 | 579.21 | / | 579.22* |
| 9 | 578.83 | 578.61 | 578.83 | 578.76 | 579.23 | 579.14 | 579.13 | 579.20 | 579.11 | 579.24 | 579.13* | 579.31 |
| 10 | 578.63 | 578.59 | 578.84 | 578.89 | 579.24 | 579.16 | 579.18 | 579.21 | 578.94 | 578.97 | 579.06 | 579.33 |
| 11 | 578.75 | 578.44 | 578.85 | 579.14 | 579.30 | 579.17 | 579.25 | 579.18 | 578.97 | 579.04 | 578.85 | 579.22 |
| 12 | 578.84 | 578.57 | 578.68 | 578.69 | 579.27 | 579.16 | 579.38 | 579.32 | 579.05 | 578.85 | 578.96 | 579.22 |
| 13 | 578.56 | 578.55 | 578.68 | 578.83 | 579.12 | 579.13 | 579.34 | 579.31 | 579.06 | 578.73 | 578.66 | 579.35 |
| 14 | 578.76 | 578.56 | 578.70 | 578.87 | 579.22 | 579.17 | 579.43 | 579.27 | 579.03 | 579.04 | 578.80 | 579.24 |
| 15 | 578.66 | 578.73 | 578.71 | 578.99 | 579.28 | 579.33 | 579.34 | 579.26 | 579.07 | 579.23 | 579.03 | 579.40 |
| 16 | 578.71 | 578.69 | 578.69 | 579.16 | 579.27 | 579.32 | 579.36 | 579.21 | 579.12 | 579.02 | 579.07 | 579.22 |
| 17 | 578.29 | 578.62 | 578.57 | 578.98 | 579.24 | 579.43* | 579.33 | 579.16 | 579.14 | 578.77 | 579.26 | 579.11 |
| 18 | 577.95 | 578.83 | 578.71 | 579.09 | 579.20 | 579.17* | 579.27 | 579.08 | 579.06 | 578.91 | 579.17 | 579.20 |
| 19 | 578.25 | 578.76 | 578.79 | 579.21 | 579.32 | 579.11 | 579.34 | 579.07 | 578.94 | 578.97 | 579.20 | 579.17 |
| 20 | 578.61 | 578.71 | 578.71 | 579.13 | 579.27 | 579.29 | 579.15 | 579.12 | 579.17 | 579.03 | 579.49 | 578.78 |
| 21 | 578.55 | 578.65 | 578.80 | 579.17 | 579.28 | 579.25 | 579.24 | 579.05 | 579.19 | 579.01 | 579.31 | 578.96 |
| 22 | 578.85 | 578.70 | 578.84 | 579.09 | 579.30 | 579.21 | 579.27 | 579.09 | 578.93 | 579.04 | 579.12 | 578.99 |
| 23 | 578.74 | 578.70 | 578.74 | 579.03 | 579.15 | 579.26 | 579.28 | 579.14 | 579.05 | 578.97 | 579.46 | 578.87 |
| 24 | 578.49 | 578.85 | 578.84 | 579.12 | 579.29 | 579.24 | 579.28 | 579.09 | 579.18 | 578.91 | 579.31 | 578.83 |
| 25 | 578.67 | 578.82 | 578.89 | 579.04 | 579.26 | 579.18 | 579.30 | 579.10 | 579.20 | 579.03 | 579.34 | 578.49 |
| 26 | 578.69 | 578.60 | 578.76 | 579.09 | 579.19 | 579.20 | 579.25 | 579.06 | 579.27 | 578.90 | 579.45 | 578.39 |
| 27 | 578.76 | 578.55 | 578.81 | 579.13 | 579.16 | 579.10 | 579.12 | 579.15 | 579.11 | 578.94 | 579.22 | 578.94 |
| 28 | 578.70 | 578.61 | 578.72 | 579.15 | 579.21 | 579.12 | 579.22 | 579.22 | 578.90 | 579.03 | 579.23 | 579.10 |
| 29 | 578.46 | 578.63 | 578.77 | 579.16 | 579.19 | 579.10 | 579.19 | 579.08 | 578.90 | 579.06 | 579.08 | 579.27 |
| 30 | 578.50 | | 578.70 | 579.15 | 579.22 | 579.10 | 579.15 | 578.92 | 579.12 | 578.98 | 579.11 | 579.30 |
| 31 | 578.61 | | 578.69 | | 579.20 | | 579.24 | 578.82 | | 579.07 | | 579.15 |
| Mean | 578.65 | 578.65 | 578.76 | 578.96 | 579.23 | 579.20 | 579.26 | 579.15 | 579.07 | 579.02 | 579.18 | 579.08 |
| Max. | 579.14 | 579.10 | 579.37 | 579.66 | 579.57 | 579.68 | 580.01 | 579.51 | 579.70 | 579.81 | 580.61 | 579.85 |
| Hr. | 1400 | 1800 | 0200 | 1100 | 1400 | 2300 | 0200 | 2200 | 0200 | 2100 | 1100 | 2100 |
| Day | 8 | 24 | 10 | 11 | 1 | 16 | 3 | 12 | 27 | 14 | 2 | 15 |
| Min. | 577.86 | 578.26 | 578.32 | 578.41 | 578.85 | 578.87 | 578.84 | 578.67 | 578.66 | 578.60 | 578.41 | 577.97 |
| Hr. | 1200 | 0300 | 2000 | 0900 | 2400 | 2200 | 0200 | 2400 | 0200 | 0500 | 2200 | 0700 |
| Day | 18 | 11 | 9 | 12 | 13 | 18 | 30 | 30 | 10 | 13 | 13 | 26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.02

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7072 Sturgeon Bay Canal, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 579.32 May
Daily mean elevation: 580.18 8 May
Instant/hourly elevation: 580.56 1000/2 Nov

LOWEST

Monthly mean elevation: 578.65 Jan
Daily mean elevation: 577.94 18 Jan
Instant/hourly elevation: 577.83 1200/18 Jan

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.94 | 578.85 | 578.98 | 579.24 | 580.18 | 579.37 | 579.55 | 579.34 | 579.29 | 579.22 | 580.07 | 579.35 |
| Day | 8 | 24 | 6 | 19 | 8 | 17 | 2 | 8 | 26 | 8 | 2 | 30 |
| Min | 577.94 | 578.44 | 578.54 | 578.64 | 579.06 | 579.07 | 579.09 | 578.82 | 578.86 | 578.69 | 578.65 | 578.32 |
| Day | 18 | 11 | 1 | 12 | 4 | 29 | 5 | 31 | 28 | 13 | 13 | 26 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 580.00 | | | | | 2 | | | | | | 1 | | 580.00 | 3 |
| 579.80 | | | | | 1 | | | | | | | | 579.80 | 4 |
| 579.60 | | | | | 1 | | | | | | | | 579.60 | 5 |
| 579.40 | | | | | | | 2 | | | | 4 | | 579.40 | 11 |
| 579.20 | | | | 1 | 16 | 13 | 20 | 8 | 4 | 2 | 7 | 11 | 579.20 | 93 |
| 579.00 | | | | 14 | 11 | 17 | 9 | 21 | 18 | 15 | 13 | 11 | 579.00 | 222 |
| 578.80 | 5 | 3 | 9 | 7 | | | | 2 | 8 | 12 | 4 | 5 | 578.80 | 277 |
| 578.60 | 17 | 19 | 20 | 8 | | | | | | 2 | 1 | 2 | 578.60 | 346 |
| 578.40 | 6 | 7 | 2 | | | | | | | | | 1 | 578.40 | 362 |
| 578.20 | 2 | | | | | | | | | | | 1 | 578.20 | 365 |
| 578.00 | | | | | | | | | | | | | 578.00 | 365 |
| 577.80 | 1 | | | | | | | | | | | | 577.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 908-7072 Sturgeon Bay Canal, Wisconsin on Lake Michigan

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 578.77 | 578.74 | 578.54 | 578.73 | 579.38 | 579.18 | 579.29 | 579.14 | 579.06 | 579.12 | 579.40 | 579.15 |
| 2 | 578.80 | 578.65 | 578.81 | 578.72 | 579.27 | 579.20 | 579.55 | 579.14 | 579.19 | 579.05 | 580.07 | 579.08 |
| 3 | 578.86 | 578.78 | 578.76 | 578.74 | 579.06 | 579.18 | 579.48 | 579.18 | 579.10 | 579.09 | 579.41 | 579.09 |
| 4 | 578.74 | 578.62 | 578.74 | 578.80 | 579.06 | 579.27 | 579.17 | 579.20 | 579.08 | 579.19 | 579.01 | 579.19 |
| 5 | 578.74 | 578.65 | 578.78 | 578.75 | 579.10 | 579.28 | 579.09 | 579.17 | 579.13 | 579.19 | 578.90 | 578.97 |
| 6 | 578.72 | 578.70 | 578.98 | 578.82 | 579.87 | 579.24 | 579.12 | 579.16 | 579.12 | 579.11 | 579.05 | 578.71 |
| 7 | 578.66 | 578.62 | 578.89 | 578.74 | 580.12 | 579.22 | 579.20 | 579.27 | 579.12 | 579.13 | 579.13 | 578.86 |
| 8 | 578.94 | 578.61 | 578.77 | 578.75 | 580.18 | 579.14 | 579.28 | 579.34 | 579.06 | 579.22 | 579.12 | 579.17 |
| 9 | 578.84 | 578.62 | 578.70 | 578.82 | 579.80 | 579.18 | 579.18 | 579.20 | 579.11 | 579.21 | 579.15 | 579.27 |
| 10 | 578.63 | 578.62 | 578.85 | 578.90 | 579.21 | 579.16 | 579.24 | 579.28 | 578.97 | 578.99 | 579.09 | 579.34 |
| 11 | 578.74 | 578.44 | 578.84 | 579.12 | 579.27 | 579.19 | 579.23 | 579.20 | 578.97 | 579.09 | 578.84 | 579.27 |
| 12 | 578.82 | 578.59 | 578.69 | 578.64 | 579.24 | 579.18 | 579.34 | 579.32 | 578.98 | 578.84 | 578.99 | 579.26 |
| 13 | 578.58 | 578.57 | 578.70 | 578.81 | 579.11 | 579.14 | 579.30 | 579.29 | 579.00 | 578.69 | 578.65 | 579.32 |
| 14 | 578.72 | 578.59 | 578.71 | 578.86 | 579.20 | 579.22 | 579.31 | 579.26 | 579.10 | 578.98 | 578.81 | 579.23 |
| 15 | 578.64 | 578.69 | 578.74 | 578.95 | 579.26 | 579.37 | 579.34 | 579.26 | 579.17 | 579.18 | 579.09 | 579.21 |
| 16 | 578.65 | 578.70 | 578.76 | 579.14 | 579.27 | 579.30 | 579.34 | 579.24 | 579.21 | 579.06 | 579.09 | 579.29 |
| 17 | 578.28 | 578.63 | 578.60 | 578.99 | 579.23 | 579.37 | 579.34 | 579.18 | 579.19 | 578.74 | 579.27 | 579.13 |
| 18 | 577.94 | 578.82 | 578.73 | 579.09 | 579.20 | 579.19 | 579.32 | 579.11 | 579.11 | 578.90 | 579.16 | 579.23 |
| 19 | 578.26 | 578.74 | 578.84 | 579.24 | 579.30 | 579.15 | 579.35 | 579.10 | 578.98 | 578.98 | 579.20 | 579.17 |
| 20 | 578.63 | 578.70 | 578.70 | 579.14 | 579.27 | 579.29 | 579.16 | 579.17 | 579.13 | 578.99 | 579.48 | 578.77 |
| 21 | 578.50 | 578.60 | 578.79 | 579.18 | 579.28 | 579.25 | 579.25 | 579.06 | 579.21 | 579.00 | 579.36 | 578.96 |
| 22 | 578.90 | 578.69 | 578.86 | 579.08 | 579.30 | 579.20 | 579.26 | 579.09 | 578.98 | 579.03 | 579.07 | 579.04 |
| 23 | 578.78 | 578.68 | 578.75 | 579.07 | 579.12 | 579.27 | 579.27 | 579.14 | 579.06 | 578.98 | 579.47 | 578.88 |
| 24 | 578.48 | 578.85 | 578.89 | 579.09 | 579.28 | 579.25 | 579.31 | 579.14 | 579.14 | 578.89 | 579.32 | 578.82 |
| 25 | 578.66 | 578.83 | 578.94 | 579.06 | 579.25 | 579.20 | 579.32 | 579.11 | 579.21 | 579.03 | 579.31 | 578.45 |
| 26 | 578.70 | 578.62 | 578.76 | 579.11 | 579.21 | 579.21 | 579.28 | 579.11 | 579.29 | 578.91 | 579.45 | 578.32 |
| 27 | 578.73 | 578.55 | 578.80 | 579.14 | 579.16 | 579.13 | 579.11 | 579.19 | 579.13 | 578.94 | 579.23 | 579.01 |
| 28 | 578.71 | 578.59 | 578.72 | 579.10 | 579.20 | 579.12 | 579.25 | 579.19 | 578.86 | 579.04 | 579.21 | 579.16 |
| 29 | 578.51 | 578.65 | 578.75 | 579.15 | 579.17 | 579.07 | 579.20 | 579.06 | 578.93 | 579.06 | 579.08 | 579.27 |
| 30 | 578.52 | | 578.75 | 579.16 | 579.24 | 579.10 | 579.18 | 578.87 | 579.17 | 578.97 | 579.16 | 579.35 |
| 31 | 578.54 | | 578.73 | | 579.18 | | 579.23 | 578.82 | | 579.03 | | 579.14 |
| Mean | 578.65 | 578.66 | 578.77 | 578.96 | 579.32 | 579.21 | 579.27 | 579.16 | 579.09 | 579.02 | 579.19 | 579.07 |
| Max. | 579.15 | 579.00 | 579.14 | 579.61 | 580.28 | 579.96 | 579.90 | 579.65 | 579.44 | 579.50 | 580.56 | 579.87 |
| Hr. | 2100 | 1400 | 2100 | 2400 | 2300 | 1900 | 2300 | 0800 | 0600 | 1900 | 1000 | 0200 |
| Day | 8 | 20 | 6 | 10 | 8 | 17 | 2 | 10 | 18 | 8 | 2 | 16 |
| Min. | 577.83 | 578.29 | 578.17 | 578.46 | 578.82 | 578.93 | 578.86 | 578.32 | 578.66 | 578.42 | 578.46 | 577.85 |
| Hr. | 1200 | 0800 | 0200 | 1000 | 1500 | 1400 | 1800 | 0500 | 2400 | 0200 | 2200 | 0200 |
| Day | 18 | 11 | 10 | 12 | 5 | 29 | 5 | 28 | 28 | 13 | 13 | 26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.03

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 908-7079 Green Bay, Wisconsin on Lake Michigan

HIGHEST

Monthly mean elevation: 579.30 Jul
Daily mean elevation: 580.40 2 Nov
Instant/hourly elevation: 581.15 0400/2 Nov

LOWEST

Monthly mean elevation: 578.65 Feb
Daily mean elevation: 577.86 25 Dec
Instant/hourly elevation: 576.06 1500/25 Dec

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 579.03 | 578.91 | 579.06 | 579.50 | 579.76 | 579.67 | 579.82 | 579.56 | 579.33 | 579.72 | 580.40 | 579.48 |
| Day | 8 | 24 | 6 | 16 | 23 | 20 | 2 | 27 | 26 | 15 | 2 | 29 |
| Min | 577.88 | 578.38 | 578.60 | 578.69 | 578.93 | 578.93 | 578.90 | 578.53 | 578.68 | 578.45 | 578.23 | 577.86 |
| Day | 18 | 11 | 12 | 8 | 7 | 28 | 4 | 30 | 28 | 13 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 580.20 | | | | | | | | | | | 1 | | 580.20 | 1 |
| 580.00 | | | | | | | | | | | 1 | | 580.00 | 2 |
| 579.80 | | | | | | | 1 | | | | 1 | | 579.80 | 4 |
| 579.60 | | | | | 2 | 1 | 1 | | | 1 | 2 | | 579.60 | 11 |
| 579.40 | | | | 1 | 1 | 3 | 6 | 2 | | 1 | 5 | 3 | 579.40 | 33 |
| 579.20 | | | | 7 | 20 | 11 | 13 | 13 | 8 | 6 | 3 | 6 | 579.20 | 120 |
| 579.00 | 1 | | 1 | 8 | 7 | 14 | 9 | 10 | 11 | 8 | 7 | 8 | 579.00 | 204 |
| 578.80 | 6 | 3 | 9 | 5 | 1 | 1 | 1 | 4 | 10 | 11 | 6 | 5 | 578.80 | 266 |
| 578.60 | 14 | 15 | 19 | 9 | | | | 1 | 1 | 2 | 3 | 3 | 578.60 | 333 |
| 578.40 | 7 | 10 | 2 | | | | | 1 | | 2 | 3 | 3 | 578.40 | 358 |
| 578.20 | 2 | 1 | | | | | | | | | 1 | 2 | 578.20 | 364 |
| 578.00 | | | | | | | | | | | | | 578.00 | 364 |
| 577.80 | 1 | | | | | | | | | | | 1 | 577.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 908-7079 Green Bay, Wisconsin on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.75 | 578.74 | 578.60 | 578.79 | 579.34 | 579.29 | 579.69 | 578.88 | 579.08 | 579.07 | 580.08 | 578.76 |
| 2 | 578.84 | 578.66 | 578.82 | 578.70 | 579.24 | 579.20 | 579.82 | 579.14 | 579.10 | 578.95 | 580.40 | 579.12 |
| 3 | 578.90 | 578.78 | 578.79 | 578.71 | 579.24 | 579.16 | 579.43 | 579.27 | 579.06 | 579.41 | 578.93 | 578.96 |
| 4 | 578.72 | 578.51 | 578.76 | 578.88 | 579.38 | 579.28 | 578.90 | 579.27 | 579.02 | 579.34 | 578.81 | 579.05 |
| 5 | 578.74 | 578.65 | 578.86 | 578.73 | 579.44 | 579.30 | 579.08 | 579.06 | 579.03 | 579.17 | 578.94 | 578.59 |
| 6 | 578.69 | 578.67 | 579.06 | 578.76 | 579.08 | 579.24 | 579.11 | 579.08 | 579.26 | 579.03 | 579.09 | 578.26 |
| 7 | 578.75 | 578.60 | 578.90 | 578.74 | 578.93 | 579.25 | 579.14 | 579.25 | 579.22 | 579.12 | 579.20 | 578.83 |
| 8 | 579.03 | 578.51 | 578.73 | 578.69 | 579.18 | 579.15 | 579.27 | 579.37 | 578.90 | 579.31 | 579.08 | 579.12 |
| 9 | 578.86 | 578.60 | 578.82 | 578.82 | 579.28 | 579.20 | 579.16 | 579.21 | 579.08 | 578.85 | 579.17 | 579.18 |
| 10 | 578.49 | 578.64 | 578.80 | 579.38 | 579.17 | 579.18 | 579.35 | 579.26 | 578.87 | 578.92 | 578.92 | 579.45 |
| 11 | 578.78 | 578.38 | 578.72 | 579.12 | 579.24 | 579.18 | 579.29 | 579.30 | 578.86 | 579.04 | 578.78 | 579.30 |
| 12 | 578.74 | 578.57 | 578.60 | 578.75 | 579.23 | 579.15 | 579.51 | 579.46 | 578.82 | 578.67 | 578.79 | 579.27 |
| 13 | 578.81 | 578.58 | 578.64 | 578.72 | 579.30 | 579.19 | 579.48 | 579.40 | 578.88 | 578.45 | 578.23 | 579.33 |
| 14 | 578.85 | 578.58 | 578.64 | 578.95 | 579.17 | 579.49 | 579.48 | 579.36 | 579.17 | 579.34 | 578.75 | 579.29 |
| 15 | 578.55 | 578.68 | 578.68 | 579.15 | 579.24 | 579.55 | 579.29 | 579.24 | 579.24 | 579.72 | 578.98 | 579.25 |
| 16 | 578.62 | 578.69 | 578.63 | 579.50 | 579.21 | 579.39 | 579.30 | 579.19 | 579.14 | 578.81 | 579.24 | 579.14 |
| 17 | 578.22 | 578.63 | 578.66 | 579.09 | 579.27 | 579.25 | 579.45 | 579.06 | 579.22 | 578.53 | 579.57 | 579.20 |
| 18 | 577.88 | 578.85 | 578.70 | 579.12 | 579.37 | 579.20 | 579.36 | 579.14 | 578.97 | 578.89 | 579.21 | 579.26 |
| 19 | 578.32 | 578.71 | 578.79 | 579.24 | 579.32 | 579.47 | 579.17 | 579.08 | 578.88 | 578.78 | 579.28 | 578.84 |
| 20 | 578.67 | 578.66 | 578.74 | 579.21 | 579.28 | 579.67 | 579.28 | 579.07 | 578.96 | 578.88 | 579.55 | 578.57 |
| 21 | 578.48 | 578.68 | 578.78 | 579.12 | 579.32 | 579.35 | 579.19 | 578.91 | 579.24 | 578.97 | 579.42 | 578.70 |
| 22 | 579.00 | 578.65 | 578.82 | 578.90 | 579.25 | 579.13 | 579.33 | 578.98 | 579.21 | 579.03 | 579.75 | 578.93 |
| 23 | 578.72 | 578.71 | 578.73 | 579.05 | 579.76 | 579.34 | 579.43 | 579.07 | 578.93 | 579.01 | 579.74 | 578.77 |
| 24 | 578.41 | 578.91 | 578.86 | 579.26 | 579.62 | 579.25 | 579.32 | 579.06 | 579.02 | 579.00 | 579.55 | 578.49 |
| 25 | 578.61 | 578.82 | 578.89 | 579.11 | 579.34 | 579.20 | 579.26 | 579.27 | 579.27 | 579.01 | 579.84 | 577.86 |
| 26 | 578.75 | 578.55 | 578.92 | 579.26 | 579.27 | 579.30 | 579.28 | 579.35 | 579.33 | 578.96 | 579.54 | 578.22 |
| 27 | 578.75 | 578.50 | 578.78 | 579.27 | 579.11 | 579.05 | 579.18 | 579.56 | 579.02 | 578.91 | 579.18 | 578.98 |
| 28 | 578.70 | 578.65 | 578.69 | 578.99 | 579.12 | 578.93 | 579.19 | 579.28 | 578.68 | 579.29 | 579.01 | 579.20 |
| 29 | 578.50 | 578.54 | 578.72 | 579.19 | 579.18 | 579.20 | 579.17 | 578.97 | 578.92 | 579.23 | 578.84 | 579.48 |
| 30 | 578.54 | | 578.72 | 579.31 | 579.29 | 579.16 | 579.23 | 578.53 | 579.18 | 578.99 | 579.12 | 579.43 |
| 31 | 578.57 | | 578.87 | | 579.25 | | 579.24 | 578.76 | | 579.21 | | 579.10 |
| Mean | 578.65 | 578.65 | 578.77 | 579.02 | 579.27 | 579.26 | 579.30 | 579.16 | 579.05 | 579.03 | 579.23 | 578.96 |
| Max.
Hr.
Day | 579.49
0400
14 | 579.79
0900
29 | 579.83
1900
31 | 580.13
1700
11 | 580.38
1900
23 | 580.98
1900
18 | 580.31
1800
1 | 580.12
1400
11 | 580.17
0300
14 | 580.38
2100
28 | 581.15
0400
2 | 580.42
0300
17 |
| Min.
Hr.
Day | 577.41
1300
18 | 577.34
2400
20 | 577.80
1600
1 | 577.74
1000
12 | 578.53
2400
6 | 578.21
0100
18 | 578.61
0700
4 | 577.28
0400
31 | 577.84
0200
28 | 576.88
0200
13 | 577.54
0100
13 | 576.06
1500
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 579.03

International
Great Lakes
Datum (1985)

Annual Summary of Levels, in Feet, 1992

Station: 908-7096 Port Inland, Michigan on Lake Michigan

HIGHEST

Monthly mean elevation: 579.20 Jul
Daily mean elevation: 580.02 2 Nov
Instant/hourly elevation: 580.64 1600/2 Nov

LOWEST

Monthly mean elevation: 578.58 Feb
Daily mean elevation: 578.01 18 Jan
Instant/hourly elevation: 577.68 1000/10 Mar

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 578.98 | 578.75 | 578.95 | 579.16 | 579.37 | 579.53 | 579.52 | 579.33 | 579.36 | 579.45 | 580.02 | 579.44 |
| Day | 12     | 1      | 16     | 22     | 1      | 17     | 3      | 8      | 26     | 9      | 2      | 1      |
| Min | 578.01 | 578.28 | 578.29 | 578.51 | 578.83 | 578.97 | 579.00 | 578.84 | 578.87 | 578.74 | 578.82 | 578.49 |
| Day | 18     | 11     | 10     | 12     | 23     | 19     | 27     | 31     | 22     | 17     | 5      | 26     |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 580.00 | | | | | | | | | | | 1 | | 580.00 | 1 |
| 579.80 | | | | | | | | | | | | | 579.80 | 1 |
| 579.60 | | | | | | | | | | | 1 | | 579.60 | 2 |
| 579.40 | | | | | | 1 | 2 | | | 1 | 1 | 2 | 579.40 | 9 |
| 579.20 | | | | | 9 | 2 | 11 | 5 | 13 | 1 | 7 | 12 | 579.20 | 69 |
| 579.00 | | | | 10 | 19 | 26 | 17 | 22 | 14 | 13 | 11 | 11 | 579.00 | 212 |
| 578.80 | 5 | | 2 | 9 | 3 | 1 | 1 | 4 | 3 | 14 | 7 | 4 | 578.80 | 265 |
| 578.60 | 15 | 12 | 16 | 6 | | | | | | 2 | | | 578.60 | 316 |
| 578.40 | 6 | 14 | 12 | 5 | | | | | | | | 1 | 578.40 | 354 |
| 578.20 | 4 | 2 | 1 | | | | | | | | | | 578.20 | 361 |
| 578.00 | 1 | | | | | | | | | | | | 578.00 | 362 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 908-7096 Port Inland, Michigan on Lake Michigan

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 578.78 | 578.75 | 578.49 | 578.56 | 579.37 | 579.09 | 579.12 | 579.22 | 579.07 | 579.25 | 579.03 | 579.44 |
| 2 | 578.74 | 578.67 | 578.77 | 578.56 | 579.21 | 579.15 | 579.43 | 579.24 | 579.31 | 579.16 | 580.02 | 579.10 |
| 3 | 578.83 | 578.70 | 578.62 | 578.65 | 579.00 | 579.13 | 579.52 | 579.17 | 579.15 | 579.00 | 579.70 | 579.09 |
| 4 | 578.66 | 578.38 | 578.61 | 578.59 | 579.05 | 579.19 | 579.14 | 579.07 | 579.07 | 579.11 | 579.02 | 579.16 |
| 5 | 578.67 | 578.58 | 578.60 | 578.59 | 579.06 | 579.20 | 579.04 | 579.12 | 579.26 | 579.15 | 578.82 | 579.09 |
| 6 | 578.67 | 578.73* | 578.80 | 578.81 | 579.12 | 579.13 | 579.07 | 579.16 | 579.14 | 579.17 | 578.92* | 579.04 |
| 7 | 578.50 | 578.51 | 578.70 | 578.65 | 579.23 | 579.15 | 579.16 | 579.22 | 579.10 | 579.13 | / | 578.88 |
| 8 | 578.93 | 578.45 | 578.65 | 578.65 | 579.14 | 579.06 | 579.22 | 579.33 | 579.12 | 579.18 | / | 579.20 |
| 9 | 578.80 | 578.56 | 578.41 | 578.75 | 579.17* | 579.07 | 579.13 | 579.12 | 579.24 | 579.45 | 579.28* | 579.43 |
| 10 | 578.61 | 578.70* | 578.29 | 578.67 | 579.14* | 579.13 | 579.13 | 579.18 | 579.03 | 579.11 | 579.32 | 579.36 |
| 11 | 578.74 | 578.28 | 578.55 | 579.14 | 579.28 | 579.13 | 579.18 | 579.08 | 579.09 | 579.12 | 578.93 | 579.19 |
| 12 | 578.98 | 578.55 | 578.43 | 578.51 | 579.20 | 579.16 | 579.22 | 579.16 | 579.22 | 578.91 | 579.04 | 579.13 |
| 13 | 578.38 | 578.58 | 578.59 | 578.77 | 578.97 | 579.06 | 579.17 | 579.13 | 579.24 | 578.78 | 578.87 | 579.25 |
| 14 | 578.44 | 578.49 | 578.57 | 578.85 | 579.09 | 579.06 | 579.24 | 579.09 | 579.22 | 578.96 | 578.84 | 579.33 |
| 15 | 578.56 | 578.46 | 578.62 | 578.85 | 579.27 | 579.21 | 579.26 | 579.14 | 579.15 | 578.96 | 579.06 | 579.35 |
| 16 | 578.79 | 578.67 | 578.95 | 578.98 | 579.27 | 579.18 | 579.30 | 579.16 | 579.33 | 579.00 | 578.99 | 579.40 |
| 17 | 578.35 | 578.50 | 578.53 | 578.88 | 579.19 | 579.53 | 579.28 | 579.21 | 579.20 | 578.74 | 579.05* | 579.12 |
| 18 | 578.01 | 578.61 | 578.63 | 578.92 | 579.10 | 579.28 | 579.22 | 579.07 | 579.26 | 578.83 | 579.03 | 579.27 |
| 19 | 578.31 | 578.57 | 578.73 | 579.14 | 579.24 | 578.97 | 579.36 | 579.02 | 579.06 | 578.97 | 579.11 | 579.38 |
| 20 | 578.69 | 578.67 | 578.56 | 579.02 | 579.19 | 579.07 | 579.06 | 579.16 | 579.34 | 579.13 | 579.48 | 578.87 |
| 21 | 578.41 | 578.53 | 578.69 | 579.13 | 579.21 | 579.09 | 579.18 | 579.13 | 579.32 | 579.01 | 579.37 | 579.34 |
| 22 | 578.84 | 578.66 | 578.74 | 579.16 | 579.27 | 579.10 | 579.26 | 579.15 | 578.87 | 579.14 | 578.85 | 579.23 |
| 23 | 578.78 | 578.56 | 578.67 | 579.03 | 578.83 | 579.17 | 579.19 | 579.20 | 579.10 | 579.03 | 579.26 | 578.85 |
| 24 | 578.30 | 578.70 | 578.79 | 579.06 | 579.07 | 579.16* | 579.20 | 579.19 | 579.27 | 578.81 | 579.20 | 579.16 |
| 25 | 578.59 | / | 578.92 | 578.96 | 579.14 | 579.12 | 579.25 | 579.11 | 579.32 | 579.05 | 579.08 | 578.93 |
| 26 | 578.70 | 578.62* | 578.62 | 578.94 | 579.12 | 579.10 | 579.21 | 578.98 | 579.36 | 578.82 | 579.33 | 578.49 |
| 27 | 578.74 | 578.46 | 578.54 | 579.00 | 579.07 | 579.05 | 579.00 | 578.98 | 579.16 | 578.88 | 579.14 | 579.27 |
| 28 | 578.86 | 578.48 | 578.59 | 579.11 | 579.15 | 579.19 | 579.17 | 579.04 | 578.95 | 578.93 | 579.27 | 579.13 |
| 29 | 578.75 | 578.74 | 578.71 | 579.15 | 579.15 | 579.04 | 579.13 | 578.99 | 578.89 | 578.87 | 579.22 | 579.21 |
| 30 | 578.62 | | 578.67 | 579.09 | 579.18 | 579.07 | 579.10 | 579.11 | 579.20 | 578.87 | 579.10 | 579.24* |
| 31 | 578.54 | | 578.60 | | 579.12 | | 579.19 | 578.84 | | 578.91 | | / |
| Mean | 578.63 | 578.58 | 578.63 | 578.87 | 579.15 | 579.13 | 579.20 | 579.12 | 579.17 | 579.01 | 579.15 | 579.16 |
| Max.
Hr.
Day | 579.28
1200
12 | 579.34
1700
20 | 579.32
1700
16 | 579.51
1300
11 | 579.66
0800
15 | 580.01
2100
17 | 579.89
0700
3 | 579.64
1000
30 | 579.67
0800
16 | 579.72
0400
9 | 580.64
1600
2 | 580.24
0400
16 |
| Min.
Hr.
Day | 577.74
0200
18 | 578.03
1300
28 | 577.68
1000
10 | 578.33
0100
1 | 578.64
1900
23 | 578.66
2100
18 | 578.82
2000
20 | 578.51
2400
30 | 578.51
0400
29 | 578.50
2200
12 | 578.54
1600
22 | 578.13
0700
26 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 578.98

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9004 Point Iroquois, Michigan on Lake Superior (Whitefish Bay)

HIGHEST

Monthly mean elevation: 602.19 Oct
Daily mean elevation: 602.70 28 Sep
Instant/hourly elevation: 603.74 1500/28 Sep

LOWEST

Monthly mean elevation: 601.10 Apr
Daily mean elevation: 600.76 19 Apr
Instant/hourly elevation: 600.42 0700/1 May

~~~~~ Extreme Daily Means by Month ~~~~~

|     | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov    | Dec    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 602.24 | 601.72 | 601.49 | 601.40 | 601.84 | 601.79 | 602.10 | 602.16 | 602.70 | 602.67 | 602.56 | 602.60 |
| Day | 17     | 4      | 9      | 26     | 23     | 19     | 20     | 30     | 28     | 16     | 13     | 25     |
| Min | 601.19 | 601.18 | 600.91 | 600.76 | 600.97 | 601.22 | 601.47 | 601.75 | 601.67 | 601.91 | 601.44 | 601.56 |
| Day | 22     | 24     | 24     | 19     | 1      | 17     | 2      | 23     | 2      | 22     | 2      | 9      |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 602.60 | | | | | | | | | 2 | 1 | | | 602.60 | 3 |
| 602.40 | | | | | | | | | | 2 | 1 | 1 | 602.40 | 7 |
| 602.20 | 1 | | | | | | | | 6 | 10 | 3 | 4 | 602.20 | 31 |
| 602.00 | 1 | | | | | | 2 | 13 | 9 | 15 | 15 | 7 | 602.00 | 93 |
| 601.80 | 2 | | | | 1 | | 21 | 16 | 11 | 3 | 9 | 13 | 601.80 | 169 |
| 601.60 | 12 | 1 | | | 4 | 9 | 6 | 2 | 2 | | 1 | 5 | 601.60 | 211 |
| 601.40 | 13 | 7 | 3 | | 11 | 19 | 2 | | | | 1 | 1 | 601.40 | 268 |
| 601.20 | 1 | 19 | 10 | 8 | 11 | 2 | | | | | | | 601.20 | 319 |
| 601.00 | 1 | 2 | 17 | 12 | 3 | | | | | | | | 601.00 | 354 |
| 600.80 | | | 1 | 9 | 1 | | | | | | | | 600.80 | 365 |
| 600.60 | | | | 1 | | | | | | | | | 600.60 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

Station: 909-9004 Point Iroquois, Michigan on Lake Superior (Whitefish Bay)

International
Great Lakes
Datum (1985)

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 601.59 | 601.34 | 601.27 | 601.20 | 600.97 | 601.56 | 601.57 | 601.90 | 601.95 | 602.11 | 601.82 | 601.83 |
| 2 | 601.57 | 601.41 | 601.11 | 601.13 | 601.38 | 601.53 | 601.47 | 601.98 | 601.67 | 602.21 | 601.44 | 602.24 |
| 3 | 601.60 | 601.35 | 601.19 | 601.03 | 601.47 | 601.52 | 601.67 | 602.03 | 602.11 | 602.24 | 601.96 | 602.00 |
| 4 | 601.73 | 601.72 | 601.17 | 601.15 | 601.41 | 601.42 | 601.81 | 602.08 | 601.92 | 602.16 | 602.24 | 602.21 |
| 5 | 601.58 | 601.28 | 601.17 | 600.98 | 601.40 | 601.52 | 601.92 | 601.94 | 601.70 | 602.02 | 602.28 | 602.13 |
| 6 | 601.76 | 601.35 | 601.11 | 600.87 | 601.21 | 601.56 | 601.86 | 601.88 | 602.05 | 602.06 | 602.18 | 602.16 |
| 7 | 601.67 | 601.51 | 601.27 | 601.18 | 601.17 | 601.62 | 601.72 | 601.78 | 601.98 | 602.11 | 602.00 | 602.16 |
| 8 | 601.36 | 601.53 | 601.25 | 601.01 | 601.22 | 601.62 | 601.76 | 601.98 | 602.24 | 602.11 | 601.96 | 601.88 |
| 9 | 601.79 | 601.33 | 601.49 | 601.07 | 601.29 | 601.56 | 601.85 | 601.90 | 601.94 | 602.05 | 601.81 | 601.56 |
| 10 | 601.72 | 601.47 | 601.41 | 600.94 | 601.15 | 601.55 | 601.92 | 602.04 | 602.25 | 602.21 | 601.98 | 601.81 |
| 11 | 601.46 | 601.56 | 601.31 | 601.13 | 601.18 | 601.54 | 601.84 | 602.08 | 602.05 | 602.25 | 602.08 | 601.90 |
| 12 | 601.59 | 601.35 | 601.41 | 601.34 | 601.40 | 601.58 | 601.83 | 602.01 | 601.92 | 602.48 | 602.18 | 601.81 |
| 13 | 601.87 | 601.43 | 601.31 | 600.97 | 601.57 | 601.60 | 601.84 | 601.98 | 601.81 | 602.40 | 602.56 | 601.74 |
| 14 | 601.77 | 601.33 | 601.32 | 600.98 | 601.34 | 601.58 | 601.87 | 601.98 | 602.07 | 602.24 | 602.20 | 601.70 |
| 15 | 601.73 | 601.34 | 601.24 | 600.94 | 601.35 | 601.52 | 601.80 | 601.90 | 602.02 | 602.25 | 602.12 | 601.68 |
| 16 | 601.51 | 601.33 | 601.16 | 601.02 | 601.26 | 601.39 | 601.79 | 601.88 | 601.99 | 602.67 | 602.08 | 602.11 |
| 17 | 602.24 | 601.27 | 601.33 | 601.00 | 601.61 | 601.22 | 601.91 | 601.83 | 602.11 | 602.37 | 602.03 | 602.06 |
| 18 | 602.02 | 601.26 | 601.19 | 600.83 | 601.47 | 601.67 | 601.90 | 602.07 | 602.35 | 602.42 | 601.94 | 601.81 |
| 19 | 601.72 | 601.40 | 601.20 | 600.76 | 601.37 | 601.79 | 601.78 | 602.03 | 602.26 | 602.16 | 601.92 | 602.00 |
| 20 | 601.66 | 601.19 | 601.24 | 600.95 | 601.40 | 601.75 | 602.10 | 601.86 | 601.99 | 602.09 | 601.63 | 602.23 |
| 21 | 601.62 | 601.26 | 601.11 | 601.07 | 601.42 | 601.72 | 601.89 | 601.90 | 602.13 | 602.08 | 602.24 | 601.82 |
| 22 | 601.19 | 601.31 | 601.12 | 601.14 | 601.48 | 601.55 | 601.87 | 601.81 | 602.62 | 601.91 | 602.13 | 601.97 |
| 23 | 601.77 | 601.25 | 601.12 | 601.23 | 601.84 | 601.53 | 601.89 | 601.75 | 602.12 | 602.19 | 602.07 | 602.40 |
| 24 | 601.83 | 601.18 | 600.91 | 601.31 | 601.64 | 601.58 | 601.85 | 601.84 | 601.87 | 602.23 | 602.05 | 601.90 |
| 25 | 601.61 | 601.34 | 601.08 | 601.35 | 601.57 | 601.58 | 601.82 | 602.05 | 601.89 | 601.99 | 602.10 | 602.60 |
| 26 | 601.47 | 601.36 | 601.19 | 601.40 | 601.61 | 601.68 | 601.99 | 602.15 | 601.93 | 602.32 | 602.20 | 602.05 |
| 27 | 601.51 | 601.41 | 601.24 | 601.34 | 601.59 | 601.59 | 602.08 | 602.02 | 602.39 | 602.14 | 602.10 | 601.75 |
| 28 | 601.41 | 601.38 | 601.05 | 601.13 | 601.51 | 601.48 | 601.94 | 602.03 | 602.70 | 602.15 | 601.99 | 601.91 |
| 29 | 601.47 | 601.24 | 601.08 | 601.27 | 601.52 | 601.63 | 601.98 | 601.92 | 602.27 | 602.15 | 602.04 | 601.76 |
| 30 | 601.59 | | 601.14 | 601.23 | 601.52 | 601.61 | 601.93 | 602.16 | 602.15 | 602.03 | 602.11 | 601.83 |
| 31 | 601.56 | | 601.18 | | 601.61 | | 601.91 | 602.14 | | 602.00 | | 602.07 |
| Mean | 601.64 | 601.36 | 601.21 | 601.10 | 601.42 | 601.57 | 601.85 | 601.97 | 602.08 | 602.19 | 602.05 | 601.97 |
| Max.
Hr.
Day | 602.66
2100
17 | 602.03
0700
4 | 601.78
1400
9 | 602.26
2400
11 | 602.22
0500
23 | 602.06
2400
18 | 602.35
0600
20 | 602.66
2100
30 | 603.74
1500
28 | 603.31
1700
16 | 603.04
0500
13 | 603.27
1100
25 |
| Min.
Hr.
Day | 600.89
1600
22 | 600.78
1800
20 | 600.72
2000
24 | 600.52
1700
19 | 600.42
0700
1 | 600.97
1400
17 | 601.17
1900
2 | 601.22
2100
9 | 601.37
1500
5 | 601.71
1200
20 | 600.94
1500
2 | 601.29
0200
10 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 601.70

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9018 Marquette Coast Guard, Michigan on Lake Superior

HIGHEST

Monthly mean elevation: 602.18 Oct
Daily mean elevation: 602.40 16 Oct
Instant/hourly elevation: 602.65 1200/28 Sep

LOWEST

Monthly mean elevation: 601.13 Apr
Daily mean elevation: 600.98 18 Apr
Instant/hourly elevation: 600.66 1800/18 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 601.82 | 601.61 | 601.50 | 601.33 | 601.69 | 601.70 | 601.95 | 602.06 | 602.29 | 602.40 | 602.25 | 602.12 |
| Day | 13 | 7 | 10 | 26 | 23 | 19 | 30 | 26 | 28 | 16 | 5 | 2 |
| Min | 601.45 | 601.30 | 601.06 | 600.98 | 601.26 | 601.48 | 601.62 | 601.83 | 601.89 | 602.06 | 601.98 | 601.76 |
| Day | 28 | 29 | 24 | 18 | 1 | 17 | 1 | 23 | 2 | 31 | 20 | 9 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 602.20 | | | | | | | | | 4 | 11 | 1 | | 602.20 | 16 |
| 602.00 | | | | | | | | 4 | 20 | 20 | 24 | 6 | 602.00 | 90 |
| 601.80 | 1 | | | | | | 27 | 27 | 6 | | 5 | 24 | 601.80 | 180 |
| 601.60 | 22 | 1 | | | 2 | 5 | 4 | | | | | 1 | 601.60 | 215 |
| 601.40 | 8 | 10 | 2 | | 18 | 25 | | | | | | | 601.40 | 278 |
| 601.20 | | 18 | 17 | 10 | 11 | | | | | | | | 601.20 | 334 |
| 601.00 | | | 12 | 19 | | | | | | | | | 601.00 | 365 |
| 600.80 | | | | 1 | | | | | | | | | 600.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9018 Marquette Coast Guard, Michigan on Lake Superior

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 601.71 | 601.45 | 601.29 | 601.20 | 601.26 | 601.56 | 601.62 | 601.92 | 601.97 | 602.17 | 602.04 | 601.94 |
| 2 | 601.70 | 601.46 | 601.29 | 601.12 | 601.34 | 601.56 | 601.72 | 601.97 | 601.89 | 602.17 | 602.00 | 602.12 |
| 3 | 601.71 | 601.45 | 601.28 | 601.07 | 601.36 | 601.56 | 601.76 | 601.99 | 601.99 | 602.18 | 602.03 | 602.00 |
| 4 | 601.71 | 601.60 | 601.25 | 601.09 | 601.35 | 601.57 | 601.76 | 601.97 | 602.00 | 602.17 | 602.14 | 602.07 |
| 5 | 601.64 | 601.45 | 601.25 | 601.04 | 601.33 | 601.56 | 601.85 | 601.92 | 601.93 | 602.11 | 602.25 | 602.05 |
| 6 | 601.70 | 601.51 | 601.26 | 601.02 | 601.27 | 601.59 | 601.86 | 601.92 | 602.02 | 602.11 | 602.17 | 601.98 |
| 7 | 601.73 | 601.61 | 601.28 | 601.06 | 601.28 | 601.62 | 601.84 | 601.93 | 602.04 | 602.20 | 602.07 | 601.98 |
| 8 | 601.63 | 601.60 | 601.29 | 601.05 | 601.35 | 601.58 | 601.85 | 601.95 | 602.05 | 602.21 | 602.02 | 601.95 |
| 9 | 601.73 | 601.43 | 601.48 | 601.07 | 601.36 | 601.56 | 601.85 | 601.91 | 602.07 | 602.21 | 602.01 | 601.76 |
| 10 | 601.68 | 601.39 | 601.50 | 601.06 | 601.30 | 601.58 | 601.90 | 601.99 | 602.09 | 602.21 | 602.05 | 601.92 |
| 11 | 601.65 | 601.49 | 601.37 | 601.09 | 601.33 | 601.58 | 601.85 | 602.03 | 602.09 | 602.21 | 602.03 | 601.96 |
| 12 | 601.63 | 601.34 | 601.37 | 601.13 | 601.46 | 601.57 | 601.87 | 601.99 | 602.02 | 602.26 | 602.09 | 601.88 |
| 13 | 601.82 | 601.36 | 601.32 | 601.02 | 601.47 | 601.57 | 601.86 | 601.96 | 601.99 | 602.24 | 602.14 | 601.87 |
| 14 | 601.78 | 601.37 | 601.30 | 601.04 | 601.42 | 601.58 | 601.85 | 601.94 | 602.08 | 602.24 | 602.12 | 601.83 |
| 15 | 601.74 | 601.38 | 601.26 | 601.02 | 601.46 | 601.57 | 601.86 | 601.92 | 602.07 | 602.29 | 602.05 | 601.89 |
| 16 | 601.60 | 601.34 | 601.16 | 601.06 | 601.42 | 601.53 | 601.88 | 601.91 | 602.08 | 602.40 | 602.03 | 601.99 |
| 17 | 601.74 | 601.33 | 601.28 | 601.02 | 601.53 | 601.48 | 601.90 | 601.90 | 602.12 | 602.23 | 602.08 | 602.01 |
| 18 | 601.73 | 601.35 | 601.20 | 600.98 | 601.51 | 601.64 | 601.89 | 601.98 | 602.18 | 602.23 | 601.99 | 601.92 |
| 19 | 601.62 | 601.38 | 601.18 | 601.02 | 601.49 | 601.70 | 601.89 | 601.95 | 602.21 | 602.16 | 601.98 | 601.90 |
| 20 | 601.62 | 601.38 | 601.22 | 601.12 | 601.51 | 601.67 | 601.94 | 601.89 | 602.10 | 602.15 | 601.98 | 601.93 |
| 21 | 601.63 | 601.35 | 601.17 | 601.22 | 601.53 | 601.61 | 601.92 | 601.92 | 602.16 | 602.14 | 602.14 | 601.91 |
| 22 | 601.48 | 601.31 | 601.13 | 601.26 | 601.58 | 601.60 | 601.91 | 601.92 | 602.29 | 602.07 | 602.19 | 601.94 |
| 23 | 601.71 | 601.32 | 601.13 | 601.26 | 601.69 | 601.58 | 601.89 | 601.83 | 602.15 | 602.13 | 602.13 | 602.07 |
| 24 | 601.72 | 601.31 | 601.06 | 601.25 | 601.63 | 601.59 | 601.89 | 601.90 | 602.02 | 602.16 | 602.10 | 601.89 |
| 25 | 601.57 | 601.33 | 601.13 | 601.29 | 601.59 | 601.60 | 601.89 | 602.01 | 602.03 | 602.06 | 602.12 | 601.94 |
| 26 | 601.54 | 601.31 | 601.23 | 601.33 | 601.57 | 601.59 | 601.94 | 602.06 | 602.10 | 602.15 | 602.17 | 601.99 |
| 27 | 601.58 | 601.34 | 601.21 | 601.29 | 601.58 | 601.56 | 601.95 | 601.96 | 602.19 | 602.13 | 602.06 | 601.87 |
| 28 | 601.45 | 601.42 | 601.10 | 601.23 | 601.60 | 601.55 | 601.93 | 601.96 | 602.29 | 602.18 | 602.00 | 601.95 |
| 29 | 601.48 | 601.30 | 601.09 | 601.28 | 601.58 | 601.60 | 601.94 | 601.95 | 602.24 | 602.14 | 602.02 | 601.98 |
| 30 | 601.54 | | 601.10 | 601.25 | 601.57 | 601.59 | 601.95 | 601.95 | 602.17 | 602.06 | 602.04 | 601.92 |
| 31 | 601.63 | | 601.17 | | 601.58 | | 601.93 | 602.01 | | 602.06 | | 602.06 |
| Mean | 601.65 | 601.40 | 601.24 | 601.13 | 601.46 | 601.58 | 601.87 | 601.95 | 602.09 | 602.18 | 602.07 | 601.95 |
| Max.
Hr.
Day | 602.10
2300
13 | 601.79
1400
4 | 601.78
0700
10 | 601.44
1400
21 | 601.87
2300
22 | 601.90
0600
18 | 602.21
1400
3 | 602.31
2400
29 | 602.65
1200
28 | 602.57
0900
16 | 602.42
2000
22 | 602.36
2100
23 |
| Min.
Hr.
Day | 601.30
2000
28 | 601.11
1700
29 | 601.00
0800
24 | 600.66
1800
18 | 600.94
2000
1 | 601.16
1700
17 | 601.34
1700
1 | 601.63
0400
30 | 601.76
1400
5 | 601.83
0900
25 | 601.49
1600
2 | 601.42
0300
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 601.71

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9044 Ontonagon, Michigan on Lake Superior

HIGHEST

Monthly mean elevation: 602.19 Oct
Daily mean elevation: 602.34 2 Nov
Instant/hourly elevation: 602.42 1500/2 Nov

LOWEST

Monthly mean elevation: 601.17 Apr
Daily mean elevation: 601.01 12 Apr
Instant/hourly elevation: 600.84 1800/12 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 601.78 | 601.56 | 601.62 | 601.44 | 601.61 | 601.67 | 602.04 | 602.04 | 602.25 | 602.28 | 602.34 | 602.06 |
| Day | 8 | 6 | 6 | 21 | 21 | 23 | 3 | 9 | 25 | 9 | 2 | 2 |
| Min | 601.48 | 601.30 | 601.09 | 601.01 | 601.27 | 601.55 | 601.73 | 601.87 | 602.01 | 602.08 | 602.03 | 601.86 |
| Day | 28 | 29 | 27 | 12 | 2 | 20 | 1 | 28 | 8 | 30 | 18 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 602.20 | | | | | | | | | 5 | 8 | 3 | | 602.20 | 16 |
| 602.00 | | | | | | | 1 | 2 | 25 | 23 | 27 | 11 | 602.00 | 105 |
| 601.80 | | | | | | | 29 | 29 | | | | 20 | 601.80 | 183 |
| 601.60 | 23 | | 1 | | 1 | 12 | 1 | | | | | | 601.60 | 221 |
| 601.40 | 8 | 12 | 3 | 1 | 22 | 18 | | | | | | | 601.40 | 285 |
| 601.20 | | 17 | 10 | 11 | 8 | | | | | | | | 601.20 | 331 |
| 601.00 | | | 17 | 18 | | | | | | | | | 601.00 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9044 Ontonagon, Michigan on Lake Superior

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 601.75 | 601.51 | 601.33 | 601.10 | 601.38 | 601.59 | 601.73 | 601.96 | 602.03 | 602.18 | 602.18 | 602.03 |
| 2 | 601.75 | 601.50 | 601.31 | 601.08 | 601.27 | 601.55 | 601.91 | 601.94 | 602.10 | 602.17 | 602.34 | 602.06 |
| 3 | 601.74 | 601.54 | 601.30 | 601.12 | 601.28 | 601.61 | 602.04 | 601.93 | 602.03 | 602.15 | 602.19 | 602.04 |
| 4 | 601.69 | 601.44 | 601.30 | 601.09 | 601.34 | 601.66 | 601.87 | 601.93 | 602.07 | 602.17 | 602.16 | 602.04 |
| 5 | 601.74 | 601.51 | 601.35 | 601.12 | 601.32 | 601.59 | 601.85 | 601.91 | 602.16 | 602.17 | 602.17 | 601.96 |
| 6 | 601.70 | 601.56 | 601.62 | 601.12 | 601.34 | 601.59 | 601.87 | 601.94 | 602.07 | 602.15 | 602.13 | 601.93 |
| 7 | 601.74 | 601.51 | 601.55 | 601.06 | 601.34 | 601.58 | 601.94 | 602.01 | 602.11 | 602.20 | 602.13 | 601.98 |
| 8 | 601.78 | 601.46 | 601.51 | 601.09 | 601.40 | 601.57 | 601.89 | 602.00 | 602.01 | 602.21 | 602.11 | 602.02 |
| 9 | 601.71 | 601.46 | 601.41 | 601.07 | 601.45 | 601.61 | 601.87 | 602.04 | 602.14 | 602.28 | 602.16 | 602.05 |
| 10 | 601.70 | 601.40 | 601.32 | 601.18 | 601.45 | 601.63 | 601.88 | 601.96 | 602.05 | 602.21 | 602.09 | 602.00 |
| 11 | 601.76 | 601.37 | 601.30 | 601.07 | 601.47 | 601.60 | 601.90 | 601.97 | 602.11 | 602.20 | 602.04 | 601.95 |
| 12 | 601.72 | 601.37 | 601.22 | 601.01 | 601.47 | 601.58 | 601.87 | 601.95 | 602.11 | 602.16 | 602.09 | 601.98 |
| 13 | 601.67 | 601.37 | 601.21 | 601.05 | 601.46 | 601.56 | 601.92 | 601.93 | 602.15 | 602.19 | 602.06 | 601.99 |
| 14 | 601.67 | 601.40 | 601.18 | 601.08 | 601.53 | 601.60 | 601.89 | 601.92 | 602.09 | 602.24 | 602.11 | 601.98 |
| 15 | 601.65 | 601.41 | 601.18 | 601.11 | 601.51 | 601.59 | 601.91 | 601.94 | 602.14 | 602.23 | 602.07 | 602.02 |
| 16 | 601.67 | 601.35 | 601.17 | 601.05 | 601.59 | 601.63 | 601.89 | 601.94 | 602.14 | 602.17 | 602.09 | 601.98 |
| 17 | 601.66 | 601.37 | 601.17 | 601.04 | 601.50 | 601.62 | 601.89 | 601.96 | 602.15 | 602.20 | 602.06 | 602.02 |
| 18 | 601.64 | 601.42 | 601.18 | 601.14 | 601.58 | 601.58 | 601.89 | 601.94 | 602.12 | 602.19 | 602.03 | 602.04 |
| 19 | 601.66 | 601.34 | 601.16 | 601.23 | 601.60 | 601.58 | 601.95 | 601.95 | 602.18 | 602.20 | 602.04 | 601.98 |
| 20 | 601.61 | 601.41 | 601.17 | 601.35 | 601.59 | 601.55 | 601.89 | 601.96 | 602.24 | 602.21 | 602.16 | 601.94 |
| 21 | 601.62 | 601.34 | 601.15 | 601.44 | 601.61 | 601.58 | 601.96 | 601.96 | 602.19 | 602.19 | 602.21 | 602.05 |
| 22 | 601.67 | 601.32 | 601.14 | 601.28 | 601.56 | 601.64 | 601.97 | 601.97 | 602.10 | 602.25 | 602.25 | 602.02 |
| 23 | 601.64 | 601.34 | 601.15 | 601.23 | 601.54 | 601.67 | 601.93 | 601.98 | 602.19 | 602.19 | 602.19 | 601.96 |
| 24 | 601.56 | 601.37 | 601.21 | 601.25 | 601.55 | 601.65 | 601.95 | 602.00 | 602.24 | 602.18 | 602.17 | 601.97 |
| 25 | 601.58 | 601.32 | 601.15 | 601.25 | 601.57 | 601.63 | 601.94 | 601.96 | 602.25 | 602.24 | 602.13 | 601.86 |
| 26 | 601.59 | 601.31 | 601.16 | 601.23 | 601.56 | 601.57 | 601.93 | 601.88 | 602.23 | 602.14 | 602.08 | 601.96 |
| 27 | 601.57 | 601.32 | 601.09 | 601.25 | 601.58 | 601.61 | 601.92 | 601.90 | 602.18 | 602.17 | 602.08 | 601.98 |
| 28 | 601.48 | 601.36 | 601.15 | 601.31 | 601.59 | 601.61 | 601.96 | 601.87 | 602.13 | 602.17 | 602.07 | 601.95 |
| 29 | 601.50 | 601.30 | 601.12 | 601.31 | 601.57 | 601.57 | 601.94 | 601.96 | 602.19 | 602.11 | 602.06 | 601.98 |
| 30 | 601.51 | | 601.10 | 601.37 | 601.56 | 601.60 | 601.97 | 601.95 | 602.23 | 602.08 | 602.06 | 601.94 |
| 31 | 601.51 | | 601.15 | | 601.57 | | 601.97 | 602.00 | | 602.13 | | 601.89 |
| Mean | 601.65 | 601.40 | 601.24 | 601.17 | 601.49 | 601.60 | 601.91 | 601.95 | 602.14 | 602.19 | 602.12 | 601.98 |
| Max.
Hr.
Day | 601.82
1000
8 | 601.59
1100
6 | 601.72
1900
6 | 601.60
1800
21 | 601.78
1800
22 | 602.01
1100
17 | 602.20
0200
3 | 602.31
1700
29 | 602.37
1600
30 | 602.36
0100
9 | 602.42
1500
2 | 602.19
0400
2 |
| Min.
Hr.
Day | 601.44
2300
31 | 601.23
2400
29 | 601.02
2200
17 | 600.84
1800
12 | 601.12
0900
2 | 601.29
0500
18 | 601.40
0400
1 | 601.78
1100
30 | 601.83
0900
8 | 602.04
2300
29 | 601.92
1700
10 | 601.69
1000
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 601.74

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9064 Duluth, Minnesota on Lake Superior

HIGHEST

Monthly mean elevation: 602.17 Oct
Daily mean elevation: 603.01 2 Nov
Instant/hourly elevation: 603.43 0800/2 Nov

LOWEST

Monthly mean elevation: 601.21 Apr
Daily mean elevation: 600.84 11 Apr
Instant/hourly elevation: 600.40 2400/11 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Max Day | 601.95
7 | 601.55
5 | 601.58
5 | 601.62
30 | 601.72
16 | 601.88
17 | 602.19
2 | 602.09
7 | 602.32
25 | 602.44
8 | 603.01
2 | 602.28
29 |
| Min Day | 601.20
17 | 601.14
29 | 601.04
30 | 600.84
11 | 601.11
2 | 601.57
12 | 601.66
4 | 601.80
30 | 601.88
3 | 601.85
12 | 601.74
13 | 601.24
25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 603.00 | | | | | | | | | | | 1 | | 603.00 | 1 |
| 602.80 | | | | | | | | | | | | | 602.80 | 1 |
| 602.60 | | | | | | | | | | | 1 | | 602.60 | 2 |
| 602.40 | | | | | | | | | | 1 | | | 602.40 | 3 |
| 602.20 | | | | | | | | 6 | 8 | 6 | 1 | | 602.20 | 24 |
| 602.00 | | | | | | 3 | 8 | 17 | 20 | 10 | 8 | | 602.00 | 90 |
| 601.80 | 2 | | | | 2 | 25 | 22 | 7 | 2 | 11 | 14 | | 601.80 | 175 |
| 601.60 | 14 | | | 1 | 15 | 22 | 3 | 1 | | 1 | 6 | | 601.60 | 238 |
| 601.40 | 10 | 12 | 4 | 2 | 9 | 6 | | | | | 1 | | 601.40 | 282 |
| 601.20 | 4 | 14 | 13 | 13 | 6 | | | | | | | 1 | 601.20 | 333 |
| 601.00 | 1 | 3 | 14 | 11 | 1 | | | | | | | | 601.00 | 363 |
| 600.80 | | | | 3 | | | | | | | | | 600.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9064 Duluth, Minnesota on Lake Superior

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 601.77 | 601.51 | 601.50 | 601.04 | 601.45 | 601.66 | 602.02 | 601.87 | 602.01 | 602.16 | 602.66 | 601.95 |
| 2 | 601.80 | 601.51 | 601.34 | 601.02 | 601.11 | 601.60 | 602.19 | 601.86 | 602.09 | 602.15 | 603.01 | 601.87 |
| 3 | 601.76 | 601.53 | 601.37 | 601.11 | 601.26 | 601.69 | 601.76 | 601.88 | 601.88 | 602.18 | 602.24 | 601.99 |
| 4 | 601.69 | 601.38 | 601.34 | 601.10 | 601.37 | 601.70 | 601.66 | 601.91 | 602.13 | 602.29 | 601.98 | 601.78 |
| 5 | 601.77 | 601.55 | 601.58 | 601.29 | 601.36 | 601.63 | 601.78 | 601.91 | 602.14 | 602.28 | 602.06 | 601.70 |
| 6 | 601.63 | 601.33 | 601.56 | 601.13 | 601.35 | 601.61 | 601.92 | 601.95 | 602.00 | 602.14 | 602.08 | 601.74 |
| 7 | 601.95 | 601.37 | 601.46 | 601.00 | 601.35 | 601.57 | 601.99 | 602.09 | 602.13 | 602.31 | 602.13 | 601.88 |
| 8 | 601.85 | 601.34 | 601.29 | 601.09 | 601.45 | 601.61 | 601.87 | 602.01 | 601.89 | 602.44 | 602.18 | 602.06 |
| 9 | 601.59 | 601.41 | 601.25 | 601.02 | 601.51 | 601.65 | 601.88 | 602.07 | 602.12 | 602.27 | 602.26 | 602.07 |
| 10 | 601.63 | 601.25 | 601.26 | 601.42 | 601.55 | 601.65 | 601.91 | 601.86 | 601.92 | 602.14 | 601.86 | 601.90 |
| 11 | 601.80 | 601.28 | 601.40 | 600.84 | 601.52 | 601.61 | 601.96 | 602.02 | 602.12 | 602.18 | 601.95 | 601.91 |
| 12 | 601.64 | 601.31 | 601.23 | 600.95 | 601.39 | 601.57 | 601.94 | 602.01 | 602.13 | 601.85 | 601.82 | 602.07 |
| 13 | 601.62 | 601.30 | 601.26 | 601.13 | 601.48 | 601.60 | 601.95 | 602.00 | 602.18 | 602.05 | 601.74 | 602.11 |
| 14 | 601.56 | 601.42 | 601.22 | 601.17 | 601.61 | 601.79 | 601.92 | 601.99 | 602.07 | 602.16 | 601.96 | 601.98 |
| 15 | 601.42 | 601.43 | 601.18 | 601.24 | 601.61 | 601.79 | 601.97 | 601.99 | 602.20 | 602.26 | 601.98 | 602.03 |
| 16 | 601.54 | 601.31 | 601.10 | 601.10 | 601.72 | 601.88 | 601.96 | 601.97 | 602.14 | 601.92 | 602.21 | 601.79 |
| 17 | 601.20 | 601.49 | 601.12 | 601.13 | 601.53 | 601.88 | 601.94 | 601.92 | 602.20 | 602.02 | 602.12 | 601.89 |
| 18 | 601.30 | 601.52 | 601.20 | 601.30 | 601.67 | 601.61 | 601.97 | 601.86 | 601.89 | 602.02 | 602.04 | 602.03 |
| 19 | 601.62 | 601.37 | 601.10 | 601.35 | 601.66 | 601.68 | 601.93 | 601.93 | 602.19 | 602.19 | 602.16 | 601.69 |
| 20 | 601.41 | 601.53 | 601.16 | 601.37 | 601.66 | 601.65 | 601.93 | 601.93 | 602.25 | 602.16 | 602.26 | 601.82 |
| 21 | 601.71 | 601.40 | 601.19 | 601.58 | 601.69 | 601.67 | 601.99 | 601.93 | 602.05 | 602.25 | 601.96 | 601.98 |
| 22 | 601.72 | 601.36 | 601.13 | 601.26 | 601.57 | 601.75 | 601.99 | 602.06 | 601.96 | 602.28 | 602.24 | 601.90 |
| 23 | 601.38 | 601.51 | 601.23 | 601.27 | 601.59 | 601.77 | 601.95 | 602.05 | 602.22 | 602.09 | 602.21 | 601.58 |
| 24 | 601.47 | 601.50 | 601.27 | 601.25 | 601.64 | 601.70 | 602.01 | 601.95 | 602.25 | 602.17 | 602.17 | 601.87 |
| 25 | 601.47 | 601.20 | 601.06 | 601.25 | 601.64 | 601.66 | 601.97 | 601.94 | 602.32 | 602.20 | 602.11 | 601.24 |
| 26 | 601.67 | 601.18 | 601.13 | 601.26 | 601.64 | 601.59 | 601.85 | 601.92 | 602.19 | 602.05 | 601.95 | 601.95 |
| 27 | 601.56 | 601.30 | 601.15 | 601.31 | 601.67 | 601.67 | 601.98 | 601.97 | 602.07 | 602.20 | 602.03 | 601.96 |
| 28 | 601.27 | 601.31 | 601.24 | 601.38 | 601.64 | 601.63 | 601.87 | 601.95 | 601.90 | 602.18 | 601.99 | 602.06 |
| 29 | 601.41 | 601.14 | 601.13 | 601.33 | 601.64 | 601.60 | 601.89 | 602.01 | 602.22 | 602.13 | 601.94 | 602.28 |
| 30 | 601.40 | | 601.04 | 601.62 | 601.64 | 601.65 | 601.96 | 601.80 | 602.26 | 602.10 | 601.94 | 602.16 |
| 31 | 601.56 | | 601.11 | | 601.65 | | 601.95 | 601.88 | | 602.31 | | 601.76 |
| Mean | 601.58 | 601.38 | 601.25 | 601.21 | 601.54 | 601.67 | 601.93 | 601.95 | 602.10 | 602.17 | 602.11 | 601.90 |
| Max.
Hr.
Day | 602.13
1800
7 | 601.89
0200
3 | 601.85
1600
5 | 601.95
1600
30 | 602.06
1400
16 | 602.13
0800
17 | 602.58
1800
2 | 602.32
1400
29 | 602.64
1600
17 | 602.67
1600
8 | 603.43
0800
2 | 602.70
1000
29 |
| Min.
Hr.
Day | 600.88
2000
17 | 600.69
2100
29 | 600.81
1000
25 | 600.40
2400
11 | 600.75
0800
3 | 601.28
1100
18 | 601.30
1300
4 | 601.44
1200
30 | 601.44
0300
8 | 601.67
2200
25 | 601.33
2100
12 | 600.73
0800
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 601.73

Annual Summary of Levels, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9090 Grand Marais, Minnesota on Lake Superior

HIGHEST

Monthly mean elevation: 602.19 Oct
Daily mean elevation: 602.46 2 Nov
Instant/hourly elevation: 602.90 1000/2 Nov

LOWEST

Monthly mean elevation: 601.16 Apr
Daily mean elevation: 600.97 11 Apr
Instant/hourly elevation: 600.59 2200/11 Apr

~~~~~ Extreme Daily Means by Month ~~~~~

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Max | 601.80 | 601.57 | 601.41 | 601.38 | 601.66 | 601.72 | 601.98 | 602.01 | 602.26 | 602.34 | 602.46 | 602.08 |
| Day | 8 | 1 | 6 | 30 | 28 | 17 | 24 | 23 | 20 | 9 | 2 | 9 |
| Min | 601.37 | 601.28 | 601.10 | 600.97 | 601.25 | 601.59 | 601.73 | 601.88 | 601.95 | 602.04 | 601.92 | 601.57 |
| Day | 17 | 29 | 30 | 11 | 2 | 8 | 1 | 26 | 3 | 16 | 13 | 25 |

~~~~~ Frequency Distribution of Daily Mean Levels ~~~~~

| Elev.
(ft.) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Elev.
(ft.) | No. of days
above elev. |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------------------|
| 602.40 | | | | | | | | | | | 1 | | 602.40 | 1 |
| 602.20 | | | | | | | | | 7 | 11 | 2 | | 602.20 | 21 |
| 602.00 | | | | | | | | 3 | 19 | 20 | 25 | 9 | 602.00 | 97 |
| 601.80 | | | | | | | 30 | 28 | 4 | | 2 | 19 | 601.80 | 180 |
| 601.60 | 17 | | | | 13 | 26 | 1 | | | | | 2 | 601.60 | 239 |
| 601.40 | 13 | 9 | 1 | | 12 | 4 | | | | | | 1 | 601.40 | 279 |
| 601.20 | 1 | 20 | 13 | 12 | 6 | | | | | | | | 601.20 | 331 |
| 601.00 | | | 17 | 17 | | | | | | | | | 601.00 | 365 |
| 600.80 | | | | 1 | | | | | | | | | 600.80 | 366 |

Daily Mean Water Levels, Monthly Means and Extremes, in Feet, 1992

International
Great Lakes
Datum (1985)

Station: 909-9090 Grand Marais, Minnesota on Lake Superior

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1 | 601.79 | 601.57 | 601.36 | 601.06 | 601.33 | 601.63 | 601.73 | 601.94 | 601.99 | 602.20 | 602.35 | 602.06 |
| 2 | 601.80 | 601.49 | 601.33 | 601.07 | 601.25 | 601.64 | 601.87 | 601.90 | 602.10 | 602.17 | 602.46 | 601.96 |
| 3 | 601.78 | 601.53 | 601.33 | 601.11 | 601.30 | 601.65 | 601.85 | 601.88 | 601.95 | 602.17 | 602.24 | 602.06 |
| 4 | 601.72 | 601.43 | 601.33 | 601.07 | 601.36 | 601.67 | 601.81 | 601.89 | 602.15 | 602.22 | 602.08 | 601.89 |
| 5 | 601.79 | 601.56 | 601.36 | 601.15 | 601.35 | 601.65 | 601.83 | 601.91 | 602.13 | 602.25 | 602.09 | 601.93 |
| 6 | 601.68 | 601.44 | 601.41 | 601.21 | 601.39 | 601.64 | 601.87 | 601.94 | 602.01 | 602.20 | 602.11 | 601.89 |
| 7 | 601.79 | 601.40 | 601.35 | 601.05 | 601.41 | 601.62 | 601.93 | 602.01 | 602.13 | 602.23 | 602.18 | 601.94 |
| 8 | 601.80 | 601.36 | 601.33 | 601.12 | 601.43 | 601.59 | 601.89 | 601.99 | 601.99 | 602.29 | 602.16 | 602.06 |
| 9 | 601.66 | 601.45 | 601.20 | 601.06 | 601.45 | 601.63 | 601.89 | 602.00 | 602.07 | 602.34 | 602.20 | 602.08 |
| 10 | 601.69 | 601.33 | 601.26 | 601.14 | 601.48 | 601.67 | 601.89 | 601.92 | 601.98 | 602.26 | 602.03 | 601.97 |
| 11 | 601.77 | 601.32 | 601.30 | 600.97 | 601.45 | 601.62 | 601.94 | 601.96 | 602.11 | 602.24 | 602.07 | 601.94 |
| 12 | 601.71 | 601.36 | 601.22 | 601.01 | 601.43 | 601.60 | 601.89 | 601.94 | 602.09 | 602.08 | 601.99 | 602.01 |
| 13 | 601.62 | 601.34 | 601.23 | 601.09 | 601.47 | 601.60 | 601.93 | 601.95 | 602.17 | 602.18 | 601.92 | 602.02 |
| 14 | 601.59 | 601.38 | 601.19 | 601.08 | 601.57 | 601.61 | 601.92 | 601.95 | 602.11 | 602.23 | 602.03 | 601.99 |
| 15 | 601.55 | 601.40 | 601.23 | 601.12 | 601.57 | 601.62 | 601.95 | 601.96 | 602.10 | 602.20 | 602.03 | 602.02 |
| 16 | 601.64 | 601.35 | 601.19 | 601.06 | 601.66 | 601.70 | 601.95 | 601.95 | 602.21 | 602.04 | 602.09 | 601.91 |
| 17 | 601.37 | 601.39 | 601.14 | 601.07 | 601.53 | 601.72 | 601.90 | 601.94 | 602.15 | 602.15 | 602.07 | 601.95 |
| 18 | 601.44 | 601.39 | 601.18 | 601.14 | 601.62 | 601.62 | 601.92 | 601.90 | 602.06 | 602.13 | 602.07 | 602.05 |
| 19 | 601.64 | 601.34 | 601.16 | 601.20 | 601.64 | 601.62 | 601.96 | 601.93 | 602.21 | 602.22 | 602.06 | 601.88 |
| 20 | 601.59 | 601.44 | 601.15 | 601.24 | 601.64 | 601.60 | 601.92 | 601.97 | 602.26 | 602.20 | 602.18 | 601.91 |
| 21 | 601.63 | 601.37 | 601.19 | 601.32 | 601.65 | 601.61 | 601.97 | 601.92 | 602.17 | 602.22 | 602.03 | 602.03 |
| 22 | 601.71 | 601.36 | 601.16 | 601.22 | 601.62 | 601.69 | 601.96 | 602.01 | 602.05 | 602.28 | 602.15 | 601.95 |
| 23 | 601.45 | 601.40 | 601.18 | 601.25 | 601.58 | 601.69 | 601.95 | 602.01 | 602.19 | 602.18 | 602.11 | 601.77 |
| 24 | 601.50 | 601.41 | 601.25 | 601.25 | 601.61 | 601.65 | 601.98 | 601.98 | 602.24 | 602.16 | 602.13 | 601.93 |
| 25 | 601.49 | 601.30 | 601.14 | 601.26 | 601.62 | 601.65 | 601.97 | 601.92 | 602.24 | 602.19 | 602.09 | 601.57 |
| 26 | 601.60 | 601.29 | 601.12 | 601.27 | 601.62 | 601.62 | 601.90 | 601.88 | 602.22 | 602.13 | 602.02 | 601.96 |
| 27 | 601.57 | 601.35 | 601.11 | 601.30 | 601.64 | 601.66 | 601.94 | 601.93 | 602.14 | 602.19 | 602.08 | 601.97 |
| 28 | 601.46 | 601.28 | 601.18 | 601.35 | 601.66 | 601.67 | 601.94 | 601.90 | 602.03 | 602.15 | 602.10 | 601.94 |
| 29 | 601.49 | 601.28 | 601.14 | 601.30 | 601.65 | 601.64 | 601.91 | 601.91 | 602.19 | 602.14 | 602.04 | 602.00 |
| 30 | 601.47 | | 601.10 | 601.38 | 601.64 | 601.64 | 601.93 | 601.92 | 602.21 | 602.13 | 602.02 | 601.93 |
| 31 | 601.55 | | 601.11 | | 601.60 | | 601.96 | 601.94 | | 602.20 | | 601.79 |
| Mean | 601.62 | 601.39 | 601.22 | 601.16 | 601.53 | 601.64 | 601.91 | 601.94 | 602.12 | 602.19 | 602.11 | 601.95 |
| Max.
Hr.
Day | 601.97
0400
5 | 601.83
0200
1 | 601.56
1600
6 | 601.56
1400
30 | 601.87
1100
16 | 601.98
0700
17 | 602.16
1900
15 | 602.38
1600
9 | 602.60
2100
5 | 602.48
0100
20 | 602.90
1000
2 | 602.47
0900
29 |
| Min.
Hr.
Day | 601.15
2000
17 | 600.96
1200
29 | 600.93
2100
17 | 600.59
2200
11 | 600.98
0700
2 | 601.33
0900
17 | 601.54
0600
1 | 601.53
2100
29 | 601.55
0300
18 | 601.87
1400
16 | 601.65
2100
12 | 601.29
0900
25 |

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

Annual Mean 601.73

Monthly Water Level Stages, in Feet, 1900 thru Dec 1992

L a k e O n t a r i o a t O s w e g o

International Great
Lakes Datum (1985)

Chart Datum
243.3

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1946 | 1952 | 1952 | 1973 | 1952 | 1952 | 1947 | 1947 | 1947 | 1945 | 1945 | 1945 |
| High | 246.62 | 246.98 | 247.29 | 248.21 | 248.47 | 248.58 | 248.26 | 247.97 | 247.43 | 246.85 | 246.70 | 246.71 |
| Mean | 244.60 | 244.69 | 244.95 | 245.63 | 246.03 | 246.16 | 246.04 | 245.70 | 245.26 | 244.88 | 244.63 | 244.57 |
| | 1935 | 1936 | 1935 | 1935 | 1935 | 1935 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 |
| Low | 242.19 | 242.11 | 242.60 | 242.90 | 243.19 | 243.43 | 243.27 | 242.78 | 242.46 | 242.24 | 241.97 | 242.00 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1991 | 1932 | 1976 | 1936 | 1929 | 1947 | 1917 | 1915 | 1915 | 1945 | 1926 | 1927 |
| Max
Rise | +0.94 | +0.70 | +1.15 | +1.54 | +0.99 | +1.12 | +0.48 | +0.30 | +0.03 | +0.36 | +0.31 | +0.80 |
| Mean | +0.06 | +0.09 | +0.26 | +0.68 | +0.40 | +0.12 | -0.11 | -0.35 | -0.44 | -0.39 | -0.25 | -0.06 |
| | 1918 | 1963 | 1978 | 1915 | 1987 | 1987 | 1978 | 1973 | 1974 | 1974 | 1964 | 1904 |
| Max
Fall | -0.58 | -0.51 | -0.48 | -0.23 | -0.24 | -0.35 | -0.60 | -0.84 | -0.93 | -0.91 | -0.67 | -0.55 |

1900 thru 1992 mean 245.25

Monthly Water Level Stages, in Feet, 1900 thru Dec 1992

L a k e E r i e a t F a i r p o r t

Chart Datum
569.2

International Great
Lakes Datum (1985)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1987 | 1987 | 1986 | 1985 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 |
| High | 573.71 | 573.44 | 573.77 | 574.07 | 574.05 | 574.30 | 574.27 | 573.97 | 573.58 | 573.95 | 573.66 | 573.78 |
| Mean | 570.62 | 570.61 | 570.87 | 571.40 | 571.68 | 571.81 | 571.76 | 571.57 | 571.29 | 570.97 | 570.71 | 570.66 |
| | 1935 | 1936 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 |
| Low | 568.22 | 568.09 | 568.25 | 568.80 | 569.03 | 569.06 | 569.06 | 568.96 | 568.83 | 568.55 | 568.20 | 568.13 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1950 | 1952 | 1976 | 1913 | 1947 | 1989 | 1902 | 1915 | 1926 | 1986 | 1985 | 1927 |
| Max
Rise | +0.78 | +0.67 | +1.12 | +1.58 | +0.95 | +0.66 | +0.63 | +0.26 | +0.13 | +0.37 | +0.55 | +0.52 |
| Mean | -0.01 | -0.02 | +0.26 | +0.54 | +0.28 | +0.12 | -0.04 | -0.19 | -0.28 | -0.32 | -0.26 | -0.05 |
| | 1918 | 1956 | 1931 | 1918 | 1985 | 1977 | 1919 | 1930 | 1937 | 1966 | 1980 | 1917 |
| Max
Fall | -0.67 | -0.56 | -0.31 | +0.02 | -0.21 | -0.24 | -0.33 | -0.46 | -0.57 | -0.64 | -0.67 | -0.42 |

1900 thru 1992 mean 571.16

Monthly Water Level Stages, in Feet, 1900 thru Dec 1992

L a k e S t . C l a i r a t S t . C l a i r S h o r e s

International Great
Lakes Datum (1985)

Chart Datum
572.3

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 |
| High | 576.76 | 576.79 | 576.80 | 576.84 | 576.88 | 577.14 | 577.19 | 577.07 | 576.94 | 577.32 | 576.83 | 576.76 |
| Mean | 573.48 | 573.25 | 573.65 | 574.17 | 574.45 | 574.62 | 574.69 | 574.58 | 574.37 | 574.08 | 573.80 | 573.81 |
| | 1936 | 1926 | 1934 | 1901 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1934 | 1925 |
| Low | 570.48 | 570.50 | 571.03 | 571.71 | 572.26 | 572.36 | 572.50 | 572.22 | 571.98 | 571.75 | 571.45 | 571.67 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1916 | 1981 | 1956 | 1913 | 1984 | 1901 | 1902 | 1915 | 1912 | 1986 | 1985 | 1914 |
| Max
Rise | +0.57 | +0.98 | +1.79 | +1.53 | +1.42 | +0.81 | +0.62 | +0.22 | +0.08 | +0.38 | +0.42 | +0.63 |
| Mean | -0.31 | -0.23 | +0.40 | +0.52 | +0.28 | +0.17 | +0.07 | -0.11 | -0.21 | -0.28 | -0.28 | +0.01 |
| | 1956 | 1939 | 1932 | 1984 | 1987 | 1977 | 1919 | 1921 | 1913 | 1948 | 1924 | 1919 |
| Max
Fall | -1.86 | -1.68 | -0.82 | -1.55 | -0.14 | -0.16 | -0.21 | -0.32 | -0.49 | -0.56 | -0.65 | -0.48 |

1900 thru 1992 mean 574.08

Monthly Water Level Stages, in Feet, 1900 thru Dec 1992

L a k e H u r o n - M i c h i g a n a t H a r b o r B e a c h

Chart Datum
577.5

International Great
Lakes Datum (1985)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1987 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 |
| High | 581.35 | 581.06 | 581.10 | 581.45 | 581.60 | 581.77 | 581.98 | 582.05 | 581.96 | 582.33 | 581.99 | 581.57 |
| Mean | 578.62 | 578.58 | 578.62 | 578.89 | 579.19 | 579.41 | 579.54 | 579.49 | 579.33 | 579.12 | 578.92 | 578.76 |
| | 1965 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 |
| Low | 576.09 | 576.14 | 576.05 | 576.06 | 576.49 | 576.60 | 576.66 | 576.67 | 576.64 | 576.47 | 576.27 | 576.10 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1960 | 1938 | 1976 | 1929 | 1960 | 1943 | 1917 | 1972 | 1912 | 1986 | 1928 | 1934 |
| Max
Rise | +0.13 | +0.37 | +0.35 | +0.70 | +0.83 | +0.68 | +0.43 | +0.18 | +0.13 | +0.36 | +0.16 | +0.23 |
| Mean | -0.14 | -0.04 | +0.05 | +0.27 | +0.30 | +0.22 | +0.13 | -0.05 | -0.16 | -0.21 | -0.20 | -0.16 |
| | 1944 | 1987 | 1968 | 1915 | 1987 | 1988 | 1988 | 1931 | 1955 | 1948 | 1930 | 1929 |
| Max
Fall | -0.39 | -0.30 | -0.26 | -0.12 | -0.07 | -0.08 | -0.20 | -0.27 | -0.55 | -0.55 | -0.53 | -0.51 |

1900 thru 1992 mean 579.04

Monthly Water Level Stages, in Feet, 1900 thru Dec 1992

L a k e S u p e r i o r a t M a r q u e t t e

International Great
Lakes Datum (1985)

Chart Datum
601.1

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1986 | 1985 | 1985 | 1985 | 1985 |
| High | 602.77 | 602.51 | 602.44 | 602.62 | 602.85 | 602.90 | 603.04 | 603.17 | 603.19 | 603.38 | 603.37 | 603.12 |
| Mean | 601.52 | 601.31 | 601.17 | 601.22 | 601.55 | 601.83 | 602.05 | 602.15 | 602.18 | 602.12 | 601.99 | 601.77 |
| | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1926 | 1925 | 1925 | 1925 |
| Low | 599.71 | 599.50 | 599.45 | 599.36 | 599.43 | 599.76 | 600.12 | 600.28 | 600.59 | 600.62 | 600.30 | 600.07 |

M o n t h l y C h a n g e s

Dec-Jan Jan-Feb Feb-Mar Mar-Apr Apr-May May-Jun Jun-Jul Jul-Aug Aug-Sep Sep-Oct Oct-Nov Nov-Dec

| | 1939 | 1937 | 1979 | 1945 | 1960 | 1950 | 1952 | 1911 | 1900 | 1941 | 1970 | 1909 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Max
Rise | -0.08 | -0.05 | +0.09 | +0.45 | +0.75 | +0.61 | +0.49 | +0.47 | +0.52 | +0.35 | +0.22 | +0.00 |
| Mean | -0.25 | -0.21 | -0.14 | +0.05 | +0.33 | +0.28 | +0.22 | +0.10 | +0.03 | -0.06 | -0.13 | -0.22 |
| | 1908 | 1978 | 1956 | 1975 | 1929 | 1986 | 1910 | 1954 | 1954 | 1952 | 1952 | 1904 |
| Max
Fall | -0.44 | -0.38 | -0.31 | -0.20 | -0.02 | +0.05 | -0.02 | -0.09 | -0.23 | -0.47 | -0.48 | -0.40 |

1900 thru 1992 mean 601.74