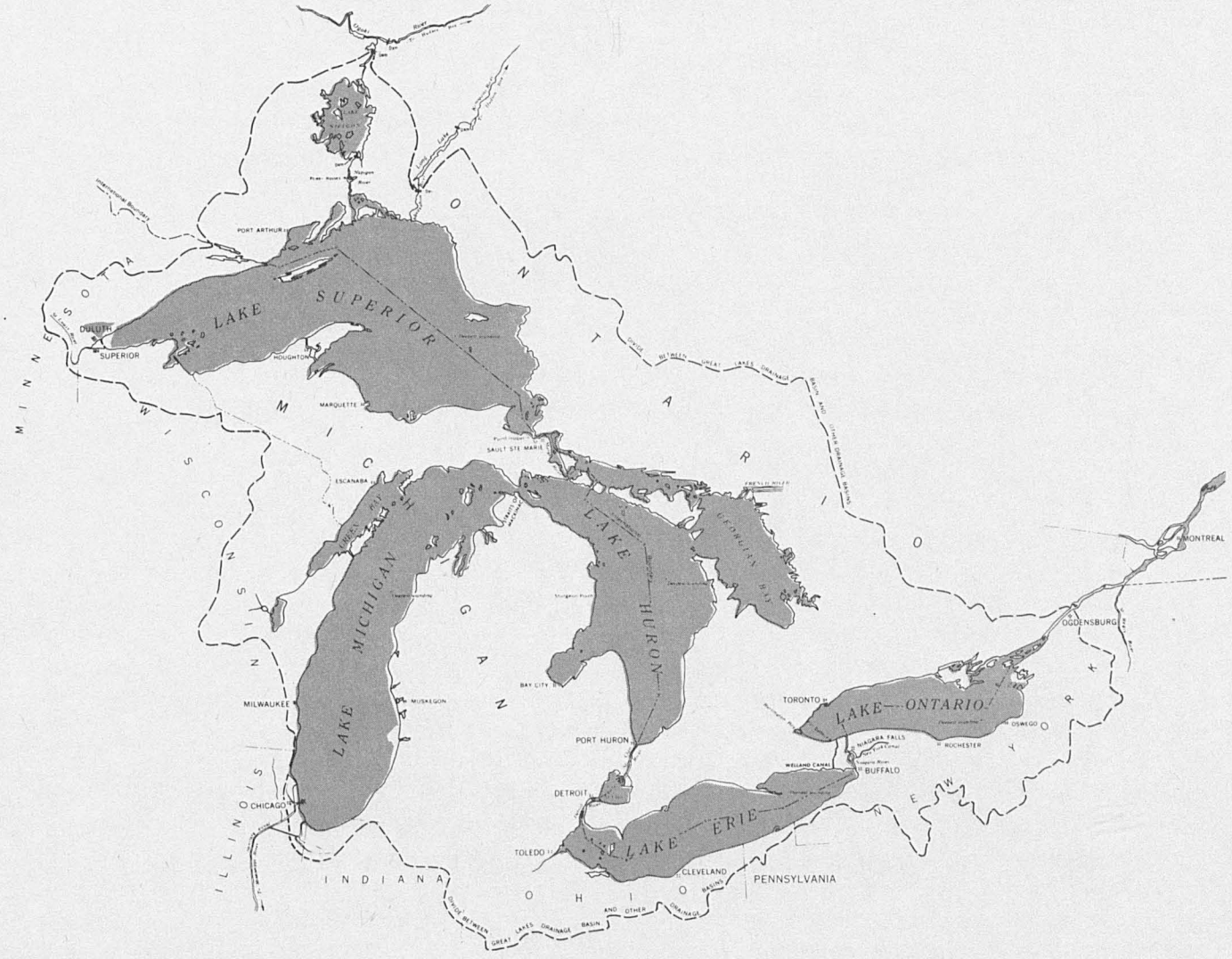
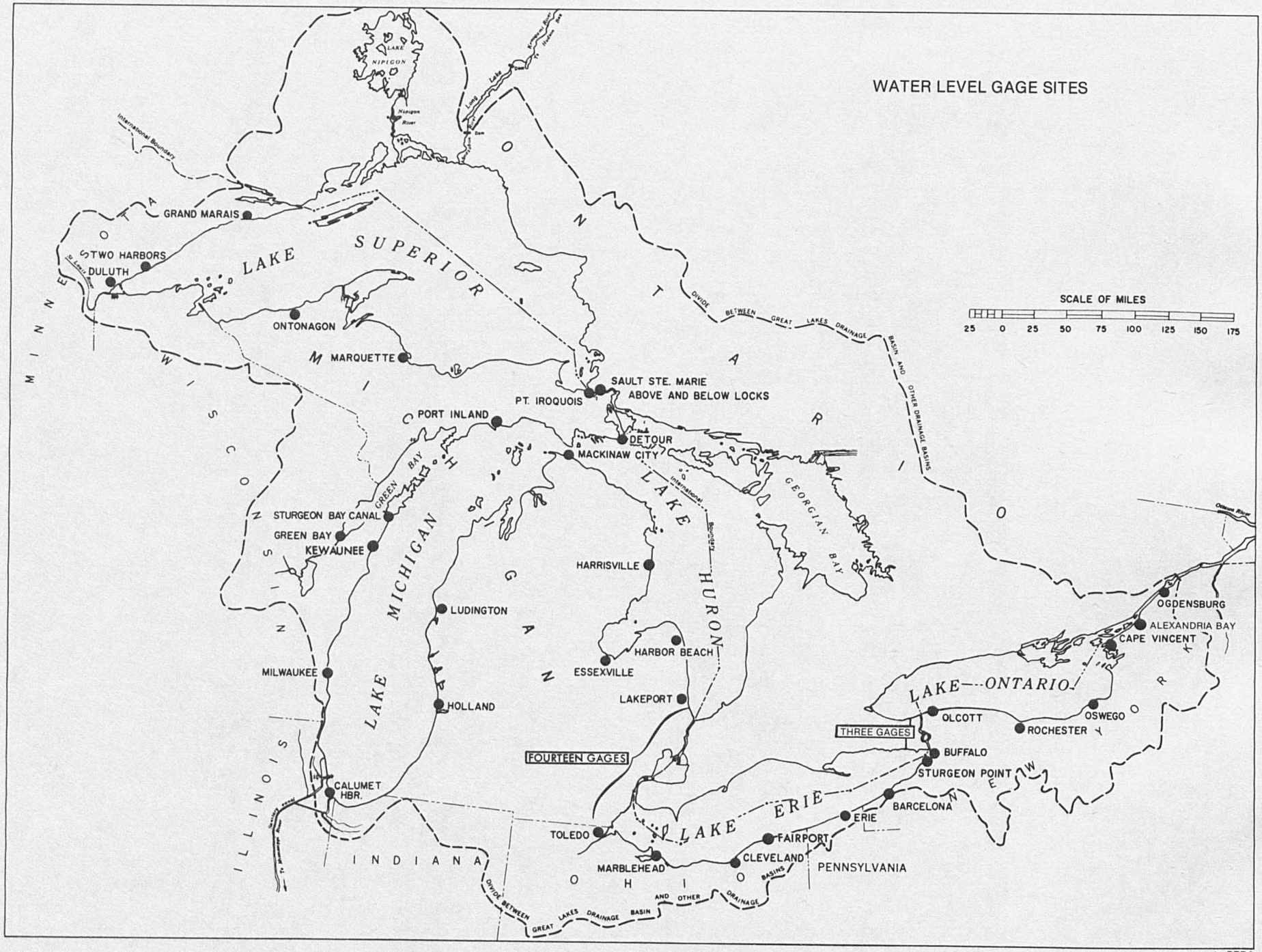
Great Lakes Water Levels, 1987

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




WATER LEVEL GAGE SITES
SCALE OF MILES
25 0 25 50 75 100 125 150 175
LAKE NIPIGON
Nipigon River
Long Lake
Kenogami River
Hudson Bay
International Boundary
GRAND MARAIS
TWO HARBORS
DULUTH
St. Louis River
LAKE SUPERIOR
ONTONAGON
MARQUETTE
SAULT STE. MARIE
ABOVE AND BELOW LOCKS
PT. IROQUOIS
PORT INLAND
DETOUR
MACKINAW CITY
DIVIDE BETWEEN GREAT LAKES DRAINAGE BASIN AND OTHER DRAINAGE BASINS
MINNESOTA
WISCONSIN
ONTARIO
GREEN BAY
STURGEON BAY CANAL
GREEN BAY
KEWAUNEE
LAKE MICHIGAN
LAKE HURON
International Boundary
GEORGIAN BAY
HARRISVILLE
LUDINGTON
HARBOR BEACH
ESSEXVILLE
MILWAUKEE
HOLLAND
LAKEPORT
FOURTEEN GAGES
CALUMET HBR.
ILLINOIS
INDIANA
TOLEDO
MARBLEHEAD
LAKE ERIE
FAIRPORT
CLEVELAND
PENNSYLVANIA
OHIO
DIVIDE BETWEEN GREAT LAKES DRAINAGE BASIN AND OTHER DRAINAGE BASINS
Ottawa River
OGDENSBURG
ALEXANDRIA BAY
CAPE VINCENT
LAKE ONTARIO
OLCOTT
OSWEGO
ROCHESTER
THREE GAGES
BUFFALO
STURGEON POINT
BARCELONA
ERIE
NEW YORK

A-5772

GREAT LAKES WATER LEVELS

1987

Daily and Monthly Average Water Surface Elevations

I N T R O D U C T I O N

The Office of Oceanography and Marine Assessment (OMA), 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 of 1955 (IGLD 1955). 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)), OMA'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 Lake's 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 resource 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, OMA has provided real-time data for emergency water planning situations by using water-level gages with electronic telemetry units. Presently, 24 water level measurement units are operating in the field; OMA plans to operate 50 field units by 1991 through the use of improved, state-of-the-art electronic telemetry systems.

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

1. Daily and monthly average water levels for each gage 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.

OMA gages record water levels, in either analog or digital form, on strip charts retained by OMA. Recorded hourly values are used to compute daily averages; monthly values are derived form daily averages. Data are recorded in units of feet that are converted later to metric units. The metric data are less precise than the English unit data (0.01 meter vs. 0.01 foot). Reconverting the metric data to English units will often disagree with the original data (recorded in feet) by a small amount.

Locations of gages for recording water levels are shown on the inside cover page. An index on subsequent pages lists gage 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, 1860-1985). A hydrograph, that depicts data for master control gages for each lake, is available for a minimal fee by writing: National Ocean Service, Office of Oceanography and Marine Assessment, N/OMA12, Rockville, Maryland, 20852.

DATUM OF REFERENCE: All tabulated elevations are referred to the International Great Lakes Datum (1955). 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 NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
ST. LAWRENCE RIVER				
1030 Ogdensburg, New York	44 42 10	75 29 40	1	113
1062 Alexandria Bay C.G., New York	44 19 56	75 56 06	3	115
LAKE ONTARIO (CHART DATUM 242.8)				
2000 Cape Vincent, New York	44 07 45	76 20 15	5	117
2030 OSWEGO, NEW YORK	43 27 51	76 30 42	7	119
2058 Rochester, New York	43 16 10	77 37 34	9	121
2076 Olcott, New York	43 20 17	78 43 39	11	123
NIAGARA RIVER				
3007 Ashland Avenue, Niagara Falls, New York	43 06 00	79 03 35	13	125
3009 American Falls, Niagara Falls, New York	43 04 54	79 03 42	15	127
3012 Niagara Intake, Niagara Falls, New York	43 04 40	79 00 55	17	129
LAKE ERIE (CHART DATUM 568.6)				
3020 Buffalo, New York	42 52 39	78 53 27	19	131
3028 Sturgeon Point, New York	42 41 27	79 02 52	21	133
3032 Barcelona, New York	42 20 35	79 35 50	23	135
3038 Erie, Pennsylvania	42 09 15	80 04 32	25	137
3053 Fairport, Ohio	41 45 00	81 17 00	27	139
3063 CLEVELAND, OHIO	41 32 27	81 38 08	29	141
3079 Marblehead, Ohio	41 32 40	82 43 53	31	143
3085 Toledo, Ohio	41 41 36	83 28 20	33	145
3087 Monroe, Michigan	41 53 54	83 21 42	35	147
3090 Fermi Power Plant, Stony Point, Michigan	41 57 35	83 15 30	37	149

NOTE: Locations shown in CAPITAL letters are master gages.

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STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
DETROIT RIVER				
4020 Gibraltar, Michigan	42 05 30	83 11 10	39	151
4030 Wyandotte, Michigan	42 12 12	83 08 50	41	153
4036 Fort Wayne, Detroit, Michigan	42 17 53	83 05 34	43	155
4049 Windmill Point, Detroit, Michigan	42 21 26	82 55 45	45	157
LAKE ST. CLAIR (CHART DATUM 571.7)				
4052 ST. CLAIR SHORES, MICHIGAN	42 28 24	82 52 45	47	159
ST. CLAIR RIVER				
4070 Algonac, Michigan	42 37 15	82 31 37	49	161
4080 St. Clair S.P., St. Clair, Michigan	42 48 45	82 29 09	51	163
4084 Marysville, Michigan	42 54 22	82 27 58	53	165
4087 Dry Dock, Port Huron, Michigan	42 56 43	82 26 37	55	167
4090 Mouth of the Black River, Port Huron, MI	42 58 25	82 25 16	57	169
4096 Dunn Paper Company, Port Huron, MI	43 00 12	82 25 20	59	171
4098 Fort Gratiot, Port Huron, MI	43 00 23	82 25 21	61	173
LAKE HURON (CHART DATUM 576.8)				
5002 Lakeport, Michigan	43 08 30	82 29 35	63	175
5014 HARBOR BEACH, MICHIGAN	43 50 45	82 38 38	65	177
5035 Essexville, Michigan	43 38 29	83 50 48	67	179
5059 Harrisville, Michigan	44 39 34	83 17 11	69	181
5080 Mackinaw City, Michigan	45 46 40	84 43 10	71	183
5099 DeTour Village, Michigan	45 59 30	83 53 48	73	185

NOTE: Locations shown in CAPITAL letters are master gages.

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STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
ST. MARY'S RIVER				
6060 U.S. Slip below locks, Sault Ste. Marie, MI	46 30 03	84 20 24	75	187
6070 S.W. Pier above locks, Sault Ste. Marie, MI	46 30 05	84 22 21	77	189
LAKE MICHIGAN (CHART DATUM 576.8)				
7023 Ludington, Michigan	43 56 48	86 26 30	79	191
7031 Holland, Michigan	42 46 05	86 12 06	81	193
7044 Calumet Harbor, S. Chicago, Illinois	41 43 48	87 32 18	83	195
7057 Milwaukee, Wisconsin	43 00 05	87 53 13	85	197
7068 Kewaunee, Wisconsin	44 27 48	87 30 00	87	199
7072 Sturgeon Bay Canal, Wisconsin	44 47 40	87 18 48	89	201
7079 Green Bay, Wisconsin	44 32 27	88 00 30	91	203
7096 Port Inland, Michigan	45 58 10	85 52 20	93	205
LAKE SUPERIOR (CHART DATUM 600.0)				
9004 POINT IROQUOIS, Michigan	46 29 06	84 37 52	95	207
9018 Marquette C.G., Michigan	46 32 42	87 22 42	97	209
9044 Ontonagon, Michigan	46 52 40	89 19 15	99	211
9064 Duluth, Minnesota	46 46 32	92 05 34	101	213
9070 Two Harbors, Minnesota	47 01 03	91 40 30	103	215
9090 Grand Marais, Minnesota	47 44 53	90 20 30	105	217
Lake Ontario Stages at Oswego, New York			106	218
Lake Erie Stages at Cleveland, Ohio			107	219
Lake St. Clair Stages at St. Clair Shores, Michigan			108	220
Lakes Huron-Michigan Stages at Harbor Beach, Michigan			109	221
Lake Superior Stages at Marquette, Michigan			110	222

NOTE: Locations shown in CAPITAL letters are master gages.

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	244.96	Apr	Monthly mean elevation:	242.84	Nov
Daily mean elevation:	245.34	9 Apr	Daily mean elevation:	242.37	25 Nov
Instant/hourly Elevation:	245.95	1400/23 Jan	Instant/hourly Elevation:	241.97	2000/25 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.32	24 Jan
244.91	2 Feb
244.90	31 Mar
245.34	9 Apr
245.24	1 May
244.65	12 Jun
244.37	4 Jul
243.96	3 Aug
243.48	1 Sep
243.32	2 Oct
243.49	18 Nov
243.68	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.66	2 Jan
243.98	28 Feb
243.77	9 Mar
244.27	4 Apr
244.40	19 May
244.10	23 Jun
243.79	31 Jul
243.13	28 Aug
242.76	18 Sep
242.77	21 Oct
242.37	25 Nov
242.69	29 Dec

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.
245.20	1			2	1								245.20	4
245.00	2			12	1								245.00	19
244.80	5	4	1	11	5								244.80	45
244.60	3	7	1	2	15	4							244.60	77
244.40	2	4	2	1	8	16							244.40	110
244.20	1	7	16	2	1	6	7						244.20	150
244.00	11	3	8			4	19						244.00	195
243.80	5	1	2				4	2					243.80	209
243.60	1		1				1	17				1	243.60	230
243.40								7	1		1		243.40	239
243.20								2	19	4	1	9	243.20	274
243.00								3	8	8	5	14	243.00	312
242.80									1	16	10	5	242.80	344
242.60									1	3	8	2	242.60	358
242.40											4		242.40	362
242.20											1		242.20	363

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	244.02	244.86	243.83	244.81	245.24	244.59	244.32	243.79	243.48	243.10	242.75	243.08
2	243.66	244.91	244.41	244.83	244.94	244.55	244.12	243.78	243.34	243.32	242.63	243.22
3	243.96	244.86	244.26	245.09	244.77	244.60	244.25	243.96	243.25	243.13	242.88	243.22
4	244.01	244.83	244.22	244.27	244.62	244.59	244.37	243.88	243.25	243.06	243.01	242.99
5	244.03	244.75	244.19	244.29	244.75	244.64	244.20	243.54	243.28	243.15	243.08	243.12
6	244.02	244.68	244.36	244.59	244.86	244.49	244.15	243.62	243.27	243.07	242.89	243.06
7	244.15	244.68	244.39	244.95	244.85	244.49	244.18	243.72	243.24	243.26	242.98	242.94
8	244.05	244.44	244.32	245.17	244.91	244.63	244.20	243.74	243.13	243.17	243.02	242.91
9	244.09	244.32	243.77	245.34	245.03	244.60	244.21	243.61	243.29	243.21	242.89	243.03
10	243.83	244.52	243.97	245.33	244.83	244.59	244.20	243.58	243.24	243.09	242.65	243.30
11	243.94	244.42	244.08	245.14	244.74	244.62	244.19	243.50	243.14	242.94	242.56	243.01
12	244.09	244.29	244.14	245.14	244.74	244.65	244.16	243.51	243.27	242.94	242.79	243.03
13	244.01	244.37*	244.15	244.92	244.65	244.53	244.15	243.55	243.28	242.93	242.94	243.17
14	244.02	/	244.20	244.99	244.74	244.57	244.21	243.60	243.36	242.99	242.89	243.10
15	243.94	/	244.23	244.99	244.71	244.53	244.14	243.62	243.32	242.92	242.66	242.79
16	243.90	244.75*	244.26	245.08	244.77	244.46	244.13	243.69	243.31	242.81	242.68	243.15
17	244.20	244.71	244.32	245.10	244.70	244.40	244.15	243.71	242.98	242.93	242.84	243.02
18	244.54	244.67	244.26	245.14	244.49	244.41	244.25	243.74	242.76	243.10	243.49	243.07
19	244.31	244.62	244.24	245.12	244.40	244.39	243.96	243.78	243.02	242.90	243.29	243.18
20	244.49	244.48	244.22	245.08	244.53	244.19	244.14	243.69	243.14	242.78	242.97	243.32
21	244.91	244.37	244.22	245.01	244.60	244.18	244.12	243.62	243.08	242.77	242.78	243.68
22	244.64	244.26	244.14	244.67	244.66	244.11	244.11	243.78	243.12	242.80	242.81	243.39
23	245.20	244.22	244.22	245.00	244.46	244.10	244.17	243.67	243.36	242.93	242.91	243.36
24	245.32	244.27	244.16	244.79	244.58	244.28	244.25	243.65	243.14	242.85	243.06	243.07
25	245.03	244.19	244.16	244.89	244.51	244.23	244.12	243.74	243.22	243.29	242.37	243.28
26	244.79	244.10	244.38	244.82	244.46	244.33	244.08	243.34	243.36	242.85	242.55	243.12
27	244.90	244.02	244.37	244.94	244.57	244.34	244.12	243.15	243.12	242.99	242.60	243.31
28	244.94	243.98	244.39	245.16	244.65	244.53	243.94	243.13	243.21	242.86	242.50	242.86
29	244.92		244.46	245.00	244.67	244.41	243.96	243.15	243.25	242.83	242.62	242.69
30	244.79		244.74	245.18	244.67	244.48	243.92	243.32	243.27	242.91	243.09	242.96
31	244.97		244.90		244.66		243.79	243.45		242.81		243.33
MEAN	244.38	244.48	244.26	244.96	244.70	244.45	244.14	243.60	243.22	242.99	242.84	243.12
MAX.	245.95	245.00	245.28	245.43	245.38	244.82	244.57	244.09	243.64	243.90	244.04	243.89
	1400/23	1700/02	2000/31	0900/10	1500/01	1200/12	1700/04	0600/03	1300/26	0500/25	1300/18	2400/20
MIN.	243.55	243.88	243.48	243.81	244.28	243.95	243.59	242.93	242.59	242.66	241.97	242.35
	1100/02	0100/09	1200/09	0100/05	1100/19	0300/23	2400/30	1100/29	0700/18	0400/20	2000/25	1700/15

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

/ Indicates No Data.

ANNUAL MEAN: 243.93

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	245.62	Apr	243.29	Nov
Daily mean elevation:	245.87	30 Apr	242.94	25 Nov
Instant/hourly Elevation:	245.98	1600/1 May	242.72	2000/25 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.52	24 Jan
245.40	2 Feb
245.35	31 Mar
245.87	30 Apr
245.86	1 May
245.29	8 Jun
244.99	4 Jul
244.55	3 Aug
244.01	1 Sep
243.88	2 Oct
243.72	18 Nov
244.06	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.68	2 Jan
244.84	28 Feb
244.62	9 Mar
244.97	4 Apr
245.17	26 May
244.88	23 Jun
244.46	31 Jul
243.81	28 Aug
243.47	18 Sep
243.30	31 Oct
242.94	25 Nov
243.38	29 Dec

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.
245.80				3	1								245.80	4
245.60				17	2								245.60	23
245.40	3			5	12								245.40	43
245.20	6	14	1	3	14	9							245.20	90
245.00	4	11	7	1	2	12							245.00	127
244.80	15	3	20	1		9	18						244.80	193
244.60	3		3				10						244.60	209
244.40							3	4					244.40	216
244.20								17					244.20	233
244.00								4	1			1	244.00	239
243.80								6	17	1		6	243.80	269
243.60									11	10	1	11	243.60	302
243.40									1	12	5	11	243.40	331
243.20										8	15	2	243.20	356
243.00											8		243.00	364
242.80											1		242.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 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	244.91	245.31	244.76	245.27	245.86	245.23	244.97	244.42	244.01	243.72	243.25	243.53
2	244.68	245.40	245.18	245.34	245.68	245.20	244.83	244.44	243.91	243.88	243.18	243.66
3	244.89	245.37	245.04	245.47	245.54	245.25	244.94	244.55	243.86	243.73	243.36	243.62
4	244.89	245.37	245.01	244.97	245.46	245.26	244.99	244.47	243.82	243.68	243.42	243.49
5	244.90	245.32	244.97	245.10	245.54	245.26	244.88	244.25	243.84	243.71	243.50	243.59
6	244.90	245.32	245.03	245.32	245.60	245.18	244.83	244.30	243.82	243.66	243.36	243.56
7	245.01	245.31	245.04	245.57	245.57	245.18	244.85	244.33	243.78	243.80	243.38	243.47
8	244.88	245.13	245.02	245.68	245.57	245.29	244.86	244.36	243.74	243.73	243.41	243.49
9	244.93	245.11	244.62	245.81	245.62	245.26	244.85	244.24	243.87	243.75	243.36	243.58
10	244.74	245.26	244.78	245.80	245.51	245.25	244.85	244.27	243.82	243.66	243.16	243.72
11	244.85	245.21	244.86	245.71	245.46	245.22	244.83	244.17	243.74	243.54	243.11	243.52
12	244.94	245.13	244.94	245.74	245.47	245.28	244.80	244.17	243.85	243.52	243.25	243.62
13	244.88	245.12	244.94	245.67	245.38	245.20	244.71	244.18	243.86	243.51	243.35	243.70
14	244.86	245.16	244.91	245.68	245.44	245.19	244.85	244.21	243.89	243.52	243.32	243.61
15	244.84	245.28	244.90	245.69	245.43	245.18	244.81	244.21	243.84	243.48	243.15	243.38
16	244.76	245.25	244.93	245.75	245.42	245.14	244.81	244.24	243.83	243.40	243.21	243.75
17	244.83	245.23	244.96	245.76	245.37	245.11	244.81	244.26	243.62	243.49	243.28	243.59
18	245.05	245.24	244.91	245.80	245.25	245.08	244.85	244.31	243.47	243.55	243.72	243.63
19	244.81	245.25	244.91	245.80	245.20	245.06	244.66	244.31	243.65	243.43	243.59	243.72
20	244.99	245.18	244.91	245.78	245.25	244.93	244.81	244.29	243.76	243.37	243.37	243.84
21	245.28	245.14	244.91	245.72	245.30	244.90	244.78	244.20	243.72	243.35	243.22	244.06
22	245.08	245.06	244.84	245.54	245.33	244.88	244.77	244.34	243.75	243.37	243.21	243.83
23	245.45	245.08	244.89	245.72	245.22	244.88	244.79	244.25	243.92	243.49	243.31	243.85
24	245.52	245.10	244.85	245.59	245.28	244.94	244.83	244.21	243.74	243.41	243.40	243.65
25	245.33	245.03	244.83	245.64	245.22	244.90	244.77	244.26	243.81	243.67	242.94	243.83
26	245.19	244.98	244.99	245.59	245.17	244.99	244.73	243.97	243.91	243.34	243.13	243.68
27	245.30	244.91	244.96	245.65	245.24	244.98	244.78	243.83	243.72	243.48	243.12	243.82
28	245.33	244.84	244.99	245.83	245.30	245.09	244.61	243.81	243.78	243.37	243.02	243.46
29	245.31		244.99	245.70	245.28	245.00	244.59	243.84	243.81	243.34	243.19	243.38
30	245.27		245.15	245.87	245.28	245.07	244.56	243.88	243.84	243.42	243.57	243.54
31	245.42		245.35		245.27		244.46	244.00		243.30		243.86
MEAN	245.03	245.18	244.95	245.62	245.40	245.11	244.79	244.21	243.80	243.54	243.29	243.65
MAX.	245.86	245.52	245.59	245.97	245.98	245.42	245.16	244.66	244.17	244.15	244.02	244.27
	1400/23	1900/04	1900/31	0900/28	1600/01	2000/08	1600/04	0400/03	1200/26	0300/25	1300/18	2300/20
MIN.	244.40	244.75	244.47	244.74	245.12	244.82	244.32	243.71	243.39	243.21	242.72	242.95
	1800/19	2400/28	1100/09	2300/04	0200/26	0900/23	2100/30	0900/29	0600/18	1200/31	2000/25	1600/15

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

/ Indicates No Data.

ANNUAL MEAN: 244.55

ANNUAL SUMMARY OF LEVELS, 1987

Station 2000: Cape Vincent, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	246.12	Apr	Monthly mean elevation:	243.58	Nov
Daily mean elevation:	246.32	19 Apr	Daily mean elevation:	243.30	25 Nov
Instant/hourly Elevation:	246.39	1900/23 Apr	Instant/hourly Elevation:	243.16	1300/25 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.69	23 Jan
245.72	7 Feb
245.70	31 Mar
246.32	19 Apr
246.11	6 May
245.66	9 Jun
245.42	4 Jul
244.97	3 Aug
244.34	1 Sep
244.24	2 Oct
243.82	18 Nov
244.20	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.26	17 Jan
245.41	27 Feb
245.20	9 Mar
245.57	1 Apr
245.65	31 May
245.36	25 Jun
244.95	31 Jul
244.27	28 Aug
243.98	18 Sep
243.62	31 Oct
243.30	25 Nov
243.76	15 Dec

~~~~~~~~~~~~ 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.
246.20				8									246.20	8
246.00				13	6								246.00	27
245.80				2	10								245.80	39
245.60	2	9	1	1	12	4							245.60	68
245.40	20	8	9	1		11	2						245.40	119
245.20	6		18			6	24						245.20	173
245.00			1				4						245.00	178
244.80							1	4					244.80	183
244.60								19					244.60	202
244.40								2					244.40	204
244.20								6	12	1			244.20	223
244.00									17	8		8	244.00	256
243.80									1	11	1	16	243.80	285
243.60										11	11	7	243.60	314
243.40											16		243.40	330
243.20											2		243.20	332
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2000: Cape Vincent, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	245.50	245.59	/	245.57	/	245.61	245.41	244.90	244.34	244.13	243.57	243.76
2	245.36	245.70	/	245.72	/	245.60	245.33	244.92	244.30	244.24	243.54	243.86
3	245.55	245.70	245.54	245.81*	/	245.66*	245.40	244.97	244.25	244.09	243.65	243.79
4	245.50	245.71	245.52	/	246.09*	/	245.42	244.87	244.22	244.07	243.68	243.77
5	245.49	245.70	245.49	/	246.08	/	245.35	244.76	244.23	244.07	243.78	243.81
6	245.49	245.71	245.53	245.94*	246.11	/	245.31	244.78	244.19	244.01	243.67	243.82
7	245.56	245.72	245.52	246.04	246.07	/	245.33	244.79	244.16	244.17	243.66	243.77
8	245.46	245.56	245.47	246.08	246.08	/	245.35	244.78	244.15	244.08	243.67	243.78
9	245.45	245.59	245.20	246.16	246.07	245.66*	245.33	244.68	244.26	244.10	243.64	243.86
10	245.36	245.69	245.36	246.15	245.99	245.64	245.31	244.76	244.20	244.00	243.49	243.90
11	245.47	245.64	245.37	246.11	245.98	245.59*	245.29	244.66	244.15	243.93	243.47	243.78
12	245.50	245.61	245.47	246.15	245.99	/	245.27	244.64	244.25	243.90	243.56	243.90
13	245.44	245.57	245.44	246.20	245.92	/	245.27	244.65	244.26	243.89	243.61	243.97
14	245.43	245.49*	245.39	246.19	245.96	/	245.36	244.65	244.24	243.89	243.57	243.86
15	245.43	/	245.37	246.20	245.94	/	245.29	244.65	244.21	243.84	243.45	243.76
16	245.34	/	245.38	246.23	245.93	245.45*	245.29	244.65	244.20	243.79	243.51	244.05
17	245.26	/	245.40	246.26	245.87	245.55	245.28	244.65	244.03	243.87	243.57	243.92
18	245.42	/	245.38	246.30	245.81	245.50	245.30	244.68	243.98	243.84	243.82	243.92
19	245.33*	/	245.37	246.32	245.76	245.50	245.17	244.70	244.08	243.77	243.74	243.97
20	/	/	245.37	246.29	245.76	245.39	245.29	244.68	244.16	243.75	243.61	244.13
21	245.41*	/	245.38	246.25	245.79	245.37	245.25	244.61	244.13	243.74	243.51	244.20
22	245.40	/	245.33	246.19	245.81	245.37	245.24	244.71	244.16	243.74	243.47	244.03
23	245.69*	/	245.34	246.26	245.77	245.39	245.25	244.65	244.27	243.83	243.57	244.05
24	/	/	245.31	246.17	245.80	245.40	245.26	244.60	244.14	243.79	243.58	243.92
25	/	245.51	245.30	246.21	245.72	245.36	245.23	244.60	244.20	243.88	243.30	244.07
26	245.50*	245.47	245.40	246.16	245.66	245.44	245.21	244.40	244.26	243.68	243.49	243.97
27	245.54	245.41	245.38	246.16*	245.68	245.43	245.22	244.30	244.12	243.81	243.45	244.03
28	245.57	/	245.40	/	245.70	245.48	245.10	244.27	244.16	243.68	243.39	243.81
29	245.53		245.36	/	245.69	245.42	245.05	244.30	244.17	243.68	243.53	243.81
30	245.58		245.48	/	245.67	245.47	245.02	244.28	244.19	243.73	243.80	243.86
31	245.68		245.70		245.65		244.95	244.37		243.62		244.13
MEAN	245.47	245.61	245.41	246.12	245.87	245.49	245.26	244.64	244.19	243.89	243.58	243.91
MAX.	246.15	245.93	246.13	246.39	246.21	245.76	245.57	245.09	244.49	244.57	244.24	244.47
	1200/23	1700/08	1000/31	1900/23	1700/09	1100/03	1300/14	1500/23	1000/26	1400/07	1900/05	2000/20
MIN.	245.11	245.18	245.00	245.49	245.50	245.29	244.80	244.18	243.86	243.53	243.16	243.22
	0300/18	2200/08	0900/09	0400/02	1900/28	1400/25	2200/30	0800/29	0400/18	1000/31	1300/25	1200/15

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

/ Indicates No Data.

ANNUAL MEAN: 244.95

ANNUAL SUMMARY OF LEVELS, 1987
Station 2030: Oswego, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	246.19	Apr	243.72	Nov
Daily mean elevation:	246.38	30 Apr	243.53	23 Nov
Instant/hourly Elevation:	246.52	1000/30 Apr	243.11	2400/17 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.81	31 Jan
245.88	4 Feb
245.71	2 Mar
246.38	30 Apr
246.26	1 May
245.79	9 Jun
245.49	4 Jul
244.95	3 Aug
244.45	1 Sep
244.30	4 Oct
243.99	5 Nov
244.25	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.38	17 Jan
245.39	28 Feb
245.33	25 Mar
245.66	1 Apr
245.70	31 May
245.41	26 Jun
244.97	31 Jul
244.32	31 Aug
244.13	19 Sep
243.70	27 Oct
243.53	23 Nov
243.85	15 Dec

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.
246.20				19	4								246.20	23
246.00				6	9								246.00	38
245.80	1	3		2	8								245.80	52
245.60	11	21	4	3	10	17							245.60	118
245.40	18	3	24			13	7						245.40	183
245.20	1	1	3				20						245.20	208
245.00							3						245.00	211
244.80							1	6					244.80	218
244.60								19					244.60	237
244.40								1	1				244.40	239
244.20								5	23	4		3	244.20	274
244.00									6	8		17	244.00	305
243.80										14	5	11	243.80	335
243.60										5	22		243.60	362
243.40											3		243.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2030: Oswego, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	245.59	245.66	245.45	245.66	246.26	245.69	245.49	244.87	244.45	244.27	243.72	243.95
2	245.70	245.72	245.71	245.70	246.23	245.70	245.42	244.80	244.37	244.18	243.67	244.04
3	245.71	245.77	245.64	245.79	246.22	245.69	245.46	244.95	244.35	244.28	243.71	243.94
4	245.62	245.88	245.59	245.83	246.21	245.74	245.49	244.94	244.28	244.30	243.73	244.00
5	245.59	245.78	245.58	245.91	246.17	245.75	245.43	244.85	244.24	244.12	243.99	244.06
6	245.48	245.79	245.54	246.06	246.14	245.72	245.36	244.80	244.21	244.05	243.90	244.06
7	245.67	245.74	245.54	246.12	246.15	245.62	245.35	244.78	244.19	244.14	243.79	243.94
8	245.58	245.69	245.55	246.13	246.11	245.73	245.32	244.82	244.22	244.25	243.69	243.90
9	245.54	245.84	245.64	246.20	246.07	245.79	245.36	244.76	244.29	244.07	243.79	243.90
10	245.44	245.82	245.54	246.20	246.04	245.73	245.32	244.86	244.27	244.14	243.77	243.99
11	245.64	245.77	245.48	246.22	246.01	245.66	245.34	244.78	244.23	244.07	243.72	243.92
12	245.67	245.72	245.48	246.26	246.04	245.66	245.33	244.72	244.19	244.01	243.74	243.96
13	245.54	245.79	245.52	246.33	245.98	245.70	245.33	244.67	244.24	244.00	243.69	244.13
14	245.43	245.65	245.48	246.29	245.94	245.66	245.48	244.67	244.30	243.93	243.72	244.03
15	245.51	245.69	245.49	246.29	246.01	245.70	245.46	244.66	244.26	243.92	243.64	243.85
16	245.49	245.65	245.49	246.30	245.95	245.66	245.38	244.66	244.28	243.88	243.59	244.19
17	245.38	245.63	245.52	246.32	245.94	245.63	245.33	244.70	244.24	243.85	243.54	244.17
18	245.42	245.64	245.47	246.34	245.94	245.58	245.30	244.76	244.18	243.90	243.79	244.09
19	245.44	245.68	245.45	246.36	245.83	245.56	245.25	244.74	244.13	243.86	243.72	244.07
20	245.48	245.64	245.45	246.34	245.79	245.50	245.30	244.76	244.18	243.84	243.82	244.05
21	245.56	245.62	245.47	246.34	245.80	245.44	245.31	244.66	244.25	243.91	243.87	244.25
22	245.45	245.58	245.45	246.36	245.80	245.46	245.31	244.72	244.24	243.85	243.68	244.09
23	245.78	245.65	245.40	246.28	245.84	245.49	245.25	244.77	244.29	243.82	243.53	244.18
24	245.79	245.68	245.38	246.34	245.82	245.43	245.25	244.68	244.35	243.82	243.65	244.05
25	245.63	245.61	245.33	246.32	245.79	245.41	245.26	244.64	244.37	243.98	243.62	244.18
26	245.58	245.54	245.42	246.27	245.71	245.41	245.31	244.51	244.32	243.79	243.75	244.18
27	245.60	245.45	245.43	246.20	245.73	245.46	245.26	244.37	244.22	243.70	243.64	244.21
28	245.61	245.39	245.46	246.25	245.75	245.54	245.13	244.32	244.22	243.82	243.61	244.09
29	245.63		245.43	246.30	245.74	245.47	245.09	244.34	244.20	243.79	243.69	244.22
30	245.54		245.45	246.38	245.72	245.52	245.08	244.32	244.30	243.76	243.89	244.11
31	245.81		245.70		245.70		244.97	244.32		243.78		244.00
MEAN	245.58	245.68	245.50	246.19	245.95	245.60	245.31	244.68	244.26	243.97	243.72	244.06
MAX.	246.05	246.21	245.99	246.52	246.42	245.96	245.66	245.06	244.58	244.46	244.45	244.51
	1100/23	0100/13	1800/31	1000/30	1200/03	0800/13	1600/14	0900/03	0400/01	0400/03	1900/05	1700/16
MIN.	245.17	245.32	245.17	245.52	245.57	245.21	244.90	244.17	244.04	243.51	243.11	243.32
	2300/17	1500/28	2000/25	0100/02	2000/30	1100/08	1700/31	1800/28	0500/28	0900/27	2400/17	1500/15

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

/ Indicates No Data.

ANNUAL MEAN: 245.04

ANNUAL SUMMARY OF LEVELS, 1987
Station 2058: Rochester, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	246.25	Apr	243.74	Nov
Daily mean elevation:	246.40	21 Apr	243.59	23 Nov
Instant/hourly Elevation:	246.58	0600/22 Apr	243.42	0700/8 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.78	31 Jan
245.85	4 Feb
245.67	3 Mar
246.40	21 Apr
246.30	1 May
245.81	9 Jun
245.53	1 Jul
244.99	5 Aug
244.43	24 Sep
244.33	3 Oct
243.87	30 Nov
244.28	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.43	18 Jan
245.53	28 Feb
245.41	25 Mar
245.76	1 Apr
245.80	31 May
245.47	26 Jun
245.02	31 Jul
244.33	31 Aug
244.23	29 Sep
243.75	27 Oct
243.59	23 Nov
243.94	1 Dec

~~~~~~~~~~~~ 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.
246.20				22	4								246.20	26
246.00				4	11								246.00	41
245.80		5		2	15	1							245.80	64
245.60	11	20	6	2	1	17							245.60	121
245.40	20	3	25			12	11						245.40	192
245.20							16						245.20	208
245.00							4						245.00	212
244.80								12					244.80	224
244.60								13					244.60	237
244.40								2	2				244.40	241
244.20								4	28	3		2	244.20	278
244.00										10		21	244.00	309
243.80										14	3	8	243.80	334
243.60										4	26		243.60	364
243.40											1		243.40	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2058: Rochester, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	245.67	245.74	245.57	245.76	246.30	245.79	245.53	244.97	244.39	244.30	243.78	243.94
2	245.70	245.75	245.60	245.77	246.29	245.80	245.47	244.93	244.42	244.18	243.75	243.98
3	245.71	245.78	245.67	245.86	246.28	245.76	245.43	244.96	244.38	244.33	243.75	243.96
4	245.63	245.85	245.66	246.11	246.24	245.80	245.46	244.97	244.32	244.25	243.75	244.05
5	245.62	245.81	245.62	245.99	246.20	245.80	245.46	244.99	244.25	244.16	243.83	244.04
6	245.58	245.78	245.60	246.07	246.20	245.77	245.42	244.94	244.23	244.12	243.80	244.04
7	245.60	245.77	245.59	246.13	246.18	245.70	245.39	244.88	244.23	244.13	243.77	244.00
8	245.59	245.82	245.61	246.18	246.15	245.71	245.40	244.90	244.28	244.20	243.70	243.97
9	245.53	245.84	245.66	246.21	246.11	245.81	245.40	244.91	244.32	244.11	243.79	243.97
10	245.53	245.79	245.59	246.25	246.13	245.76	245.42	244.88	244.35	244.10	243.80	244.00
11	245.58	245.79	245.56	246.30	246.08	245.69	245.41	244.83	244.32	244.08	243.75	244.01
12	245.54	245.78	245.55	246.33	246.12	245.73	245.39	244.79	244.30	244.03	243.71	244.00
13	245.53	245.81	245.56	246.36	246.06	245.77	245.35	244.77	244.28	244.01	243.69	244.01
14	245.49	245.76	245.56	246.37	245.97	245.71	245.47	244.79	244.33	243.96	243.73	244.02
15	245.49	245.75	245.54	246.39	246.06	245.71	245.48	244.81	244.33	243.96	243.71	244.02
16	245.52	245.73	245.54	246.40	246.04	245.71	245.41	244.80	244.31	243.97	243.69	244.12
17	245.44	245.69	245.54	246.40	246.00	245.66	245.35	244.80	244.29	243.92	243.62	244.20
18	245.43	245.69	245.51	246.40	245.97	245.62	245.27	244.80	244.30	243.92	243.69	244.13
19	245.53	245.70	245.50	246.40	245.96	245.58	245.30	244.77	244.25	243.91	243.72	244.07
20	245.49	245.69	245.51	246.40	245.89	245.55	245.31	244.76	244.26	243.91	243.78	244.08
21	245.48	245.66	245.50	246.40	245.87	245.53	245.34	244.70	244.29	243.91	243.83	244.12
22	245.52	245.66	245.47	246.39	245.90	245.51	245.35	244.70	244.40	243.87	243.71	244.13
23	245.58	245.67	245.46	246.36	245.91	245.54	245.29	244.75	244.40	243.83	243.59	244.15
24	245.57	245.68	245.44	246.39	245.88	245.51	245.26	244.67	244.43	243.82	243.65	244.15
25	245.60	245.64	245.41	246.36	245.84	245.48	245.31	244.61	244.39	243.86	243.71	244.18
26	245.65	245.58	245.45	246.32	245.84	245.47	245.29	244.55	244.30	243.83	243.78	244.23
27	245.62	245.54	245.49	246.30	245.82	245.51	245.22	244.42	244.29	243.75	243.72	244.20
28	245.61	245.53	245.52	246.33	245.82	245.58	245.19	244.39	244.25	243.79	243.70	244.19
29	245.67		245.53	246.32	245.81	245.55	245.11	244.40	244.23	243.80	243.78	244.28
30	245.66		245.54	246.34	245.81	245.55	245.06	244.35	244.30	243.77	243.87	244.17
31	245.78		245.65		245.80		245.02	244.33		243.82		244.07
MEAN	245.58	245.72	245.55	246.25	246.02	245.66	245.34	244.75	244.31	243.99	243.74	244.08
MAX.	245.89	246.12	245.99	246.58	246.38	246.04	245.63	245.15	244.55	244.47	244.02	244.48
	1300/31	2100/08	2100/31	0600/22	2000/03	0900/08	2300/03	1500/02	0500/24	0200/04	0700/09	1300/24
MIN.	245.26	245.38	245.17	245.67	245.55	245.40	244.93	244.21	244.14	243.62	243.42	243.67
	2000/17	1000/27	1500/25	1700/01	2300/14	1600/26	1600/31	1800/31	1900/29	1200/30	0700/08	0800/15

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

/ Indicates No Data.

ANNUAL MEAN: 245.08

ANNUAL SUMMARY OF LEVELS, 1987
Station 2076: Olcott, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	246.29	Apr	Monthly mean elevation:	243.81	Nov
Daily mean elevation:	246.49	16 Apr	Daily mean elevation:	243.71	24 Nov
Instant/hourly Elevation:	246.58	2200/21 Apr	Instant/hourly Elevation:	243.59	2100/6 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.75	30 Jan
245.87	8 Feb
245.71	9 Mar
246.49	16 Apr
246.33	2 May
245.88	2 Jun
245.57	1 Jul
245.09	4 Aug
244.54	22 Sep
244.35	1 Oct
243.98	29 Nov
244.31	24 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
245.44	24 Jan
245.61	24 Feb
245.48	22 Mar
245.81	1 Apr
245.83	31 May
245.55	23 Jun
245.07	31 Jul
244.38	29 Aug
244.30	7 Sep
243.84	25 Oct
243.71	24 Nov
243.96	13 Dec

~~~~~~~~~~~~ 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				11									246.40	11
246.20				11	5								246.20	27
246.00				5	15								246.00	47
245.80		1		3	11	6							245.80	68
245.60	12	27	12			20							245.60	139
245.40	19		19			4	16						245.40	197
245.20							10						245.20	207
245.00							5	4					245.00	216
244.80								11					244.80	227
244.60								6					244.60	233
244.40								6	14				244.40	253
244.20								1	16	6		3	244.20	279
244.00										13		23	244.00	315
243.80										12	15	5	243.80	347
243.60											15		243.60	362
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2076: Olcott, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	245.73	245.80	245.70	245.81	246.29	245.83	245.57	245.01	244.42	244.35	243.86	244.00
2	245.70	245.76	245.56	245.84	246.33	245.88	245.56	244.99	244.43	244.33	243.86	243.96
3	245.66	245.80	245.66	245.88	246.29	245.86	245.50	245.03	244.38	244.32	243.81	244.05
4	245.67	245.77	245.65	246.08	246.24	245.83	245.52	245.09	244.36	244.20	243.83	244.05
5	245.64	245.78	245.66	246.09	246.21	245.82	245.53	245.05	244.30	244.24	243.74	244.01
6	245.66	245.78	245.63	246.11	246.20	245.80	245.52	245.00	244.30	244.23	243.76	244.00
7	245.55	245.76	245.61	246.14	246.18	245.80	245.53	245.00	244.30	244.17	243.78	244.03
8	245.58	245.87	245.65	246.20	246.17	245.78	245.52	244.98*	244.36*	244.21	243.79	244.04
9	245.56	245.79	245.71	246.22	246.14	245.81	245.52	/	244.38*	244.18	243.83	244.04
10	245.60	245.76	245.64	246.29	246.14	245.76	245.50	/	244.41	244.18	243.83	244.00
11	245.48	245.78	245.64	246.34	246.10	245.75	245.49	/	244.41	244.10	243.79	244.08
12	245.45	245.79	245.58	246.38	246.10	245.77	245.48	244.90*	244.41	244.08	243.74	244.03
13	245.47	245.76	245.57	246.38	246.12	245.78	245.48	244.90	244.41	244.06	243.76	243.96
14	245.49	245.78	245.60	246.45	246.08	245.73	245.50	244.90	244.40	244.04	243.76	244.04
15	245.47	245.72	245.58	246.47	246.07	245.74	245.53	244.87	244.38	244.04	243.83	244.18
16	245.51	245.76	245.53	246.49	246.04	245.70	245.44	244.85	244.38	244.06	243.82	244.08
17	245.52	245.74	245.50	246.46	246.05	245.68	245.39	244.86	244.42	244.04	243.83	244.16
18	245.47	245.70	245.53	246.45	246.03	245.63	245.40	244.82	244.40	244.02	243.73	244.15
19	245.58	245.68	245.52	246.45	246.02	245.63	245.40	244.80	244.42	244.04*	243.75	244.11
20	245.53	245.70	245.49	246.45	246.01	245.61	245.35	244.76	244.49	243.94*	243.79	244.15
21	245.49	245.70	245.48	246.46	245.96	245.55	245.38	244.76	244.54	243.94	243.76	244.06
22	245.59	245.74	245.48	246.44	245.98	245.56	245.37	244.71	244.54	243.94	243.74	244.17
23	245.45	245.64	245.50	246.41	245.96	245.55	245.35	244.69	244.46	243.94	243.74	244.16
24	245.44	245.61	245.52	246.41	245.92	245.57	245.33	244.63	244.49	243.92	243.71	244.31
25	245.59	245.62	245.52	246.39	245.94	245.61	245.36	244.57	244.41	243.84	243.88	244.20
26	245.66	245.62	245.51	246.38	245.90	245.62	245.25	244.56	244.36	243.90	243.85	244.22
27	245.63	245.63	245.55	246.36	245.86	245.64	245.18	244.45	244.38	243.87	243.88	244.20
28	245.66	245.62	245.54	246.36	245.86	245.65	245.17	244.41	244.34	243.86	243.93	244.30
29	245.70		245.62	246.37	245.86	245.66	245.09	244.38	244.33	243.86	243.98	244.20
30	245.75		245.59	246.28	245.84	245.61	245.11	244.41	244.35	243.85	243.97	244.16
31	245.73		245.65		245.83		245.07	244.43		243.87		244.11
MEAN	245.58	245.73	245.58	246.29	246.06	245.71	245.40	244.78	244.40	244.05	243.81	244.10
MAX.	245.92	246.02	245.93	246.58	246.43	246.08	245.65	245.25	244.73	244.46	244.02	244.52
	2300/29	2000/08	1600/31	2200/21	1700/03	1200/08	1800/02	1200/04	0300/24	2300/03	2200/29	0100/25
MIN.	245.24	245.51	245.32	245.67	245.72	245.46	245.02	244.34	244.22	243.59	243.59	243.83
	1000/23	0300/27	1300/25	1000/01	1200/31	0600/24	2400/31	2400/29	0800/07	0100/25	2100/06	0700/13

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

/ Indicates No Data.

ANNUAL MEAN: 245.12

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation:	325.22	Apr
Daily mean elevation:	328.12	12 Jan
Instant/hourly Elevation:	335.17	0600/16 Dec

LOWEST

Monthly mean elevation:	317.07	Nov
Daily mean elevation:	314.27	15 Nov
Instant/hourly Elevation:	314.04	0800/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
328.12	12 Jan
325.58	10 Feb
327.94	2 Mar
327.11	2 Apr
325.13	15 May
325.13	26 Jun
325.21	21 Jul
324.71	3 Aug
323.79	23 Sep
324.18	2 Oct
320.72	18 Nov
326.88	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
320.62	19 Jan
318.47	17 Feb
319.55	10 Mar
322.61	4 Apr
322.48	19 May
322.08	17 Jun
323.13	5 Jul
321.80	28 Aug
321.48	16 Sep
320.66	11 Oct
314.27	15 Nov
314.49	28 Dec

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.
328.00	1												328.00	1
327.50	1		1										327.50	3
327.00				1									327.00	4
326.50	2			1								1	326.50	8
326.00				5									326.00	13
325.50	1	1		6									325.50	21
325.00	5			5	1	1	2						325.00	35
324.50	3	1	1	5	7	6	9	1					324.50	68
324.00	2	1	1	3	10	5	8	1		1			324.00	100
323.50	5	6		3	6	7	10	4	2				323.50	143
323.00	7	2	2		5	4	2	6	3				323.00	174
322.50		1		1	1	4		12	6	2			322.50	201
322.00	1	1	2		1	3		4	12	6		1	322.00	232
321.50	1	3	5					3	6	7		2	321.50	259
321.00		4	8						1	12		1	321.00	285
320.50	2	3	8							3	1		320.50	302
320.00		3	1									1	320.00	307
319.50		1	2								3	4	319.50	317
319.00											2	4	319.00	323
318.50											4	1	318.50	328
318.00		1									4	3	318.00	336
317.50												3	317.50	339
317.00												2	317.00	341
316.50											2	1	316.50	344
316.00											3	3	316.00	350
315.50											3	2	315.50	355
315.00											2	1	315.00	358
314.50											3		314.50	361
314.00											3	1	314.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	323.10	323.49	320.78	326.45	324.82	324.81	323.82	323.23	323.77	322.54	314.44	318.26
2	323.02	323.86	327.94	327.11	324.22	323.90	323.24	323.42	322.86	324.18	316.01	318.89
3	325.15	323.27	324.78	326.78	323.30	324.19	324.12	324.71	322.31	321.19	318.59	318.19
4	323.49	323.66	323.05	322.61	323.25	324.62	323.77	324.21	321.80	321.90	318.72	315.77
5	323.66	323.58	322.19	324.02	324.14	323.98	323.13	322.35	321.99	322.31	319.15	316.16
6	323.62	324.36	322.26	325.69	324.52	323.01	323.77	322.92	322.10	322.26	319.72	315.28
7	325.18	323.80	323.29	326.16	324.34	323.38	324.56	323.36	322.01	322.20	319.83	315.85
8	325.92	324.68	321.84	326.40	324.76	324.77	324.83	322.86	322.23	321.91	318.10	316.24
9	324.35	323.60	320.89	326.35	324.99	323.78	324.58	322.79	322.84	322.66	318.11	319.27
10	323.76	325.58	319.55	325.97	324.28	322.95	324.67	323.40	322.55	321.12	315.68	319.58
11	324.91	322.76	320.84	325.55	324.96	323.01	323.99	322.16	322.51	320.66	314.42	317.33
12	328.12	321.98	321.51	324.78	324.68	324.07	323.67	322.65	322.05	321.05	318.52	321.68
13	325.17	323.88	321.46	326.31	323.94	323.87	324.42	322.67	322.23	321.06	318.74	321.16
14	324.93	321.11	320.96	324.84	324.45	323.54	324.56	322.97	322.55	320.98	315.75	317.28
15	325.30	321.81	319.58	325.15	325.13	323.22	323.98	322.53	322.39	321.06	314.27	320.23
16	323.94	320.50	320.02	324.79	323.84	322.93	323.66	322.59	321.48	320.97	316.21	326.88
17	322.25	318.47	321.17	325.22	323.95	322.08	323.90	323.60	321.96	321.59	316.73	319.78
18	324.36	320.21	321.14	324.93	323.86	322.37	324.07	323.57	321.96	322.39	320.72	319.38
19	320.62	322.08	321.40	325.41	322.48	322.90	323.80	323.42	322.32	321.07	319.23	319.29
20	323.18	321.24	321.69	325.66	324.14	322.95	325.09	323.00	322.58	321.06	318.50	319.79
21	326.60	320.93	321.34	325.70	324.23	322.27	325.21	322.72	322.27	321.67	316.14	322.07
22	323.19	320.66	321.01	324.01	324.31	323.79	324.65	323.57	322.46	321.51	315.10	319.40
23	326.74	321.58	320.55	324.27	324.12	323.67	324.90	322.92	323.79	321.99	316.94	319.52
24	327.94	321.09	320.55	323.89	323.47	324.12	324.85	322.71	323.37	321.75	318.09	317.88
25	321.56	321.11	320.71	323.54	322.99	324.66	324.50	323.13	322.35	322.36	314.68	318.00
26	320.71	320.81	321.67	323.71	323.33	325.13	324.44	322.31	323.30	322.08	314.62	316.79
27	323.02	319.74	321.40	324.88	323.54	324.14	324.27	321.83	321.58	321.16	314.59	317.70
28	323.67	320.44	321.10	325.88	323.81	324.58	324.45	321.80	321.71	321.25	315.01	314.49
29	323.15		320.60	325.44	324.13	324.49	324.19	321.97	322.33	321.05	315.52	316.50
30	324.69		321.55	325.17	323.02	324.68	324.70	322.34	323.25	321.06	319.90	318.37
31	325.11		324.24		324.74		323.81	323.89		321.10		321.58
MEAN	324.21	322.15	321.65	325.22	324.06	323.73	324.25	322.95	322.43	321.65	317.07	318.66
MAX.	335.09	330.16	330.77	331.44	328.95	329.05	328.76	328.17	327.99	327.71	325.56	335.17
	0400/12	0100/10	0900/02	2400/02	1400/01	1400/25	1300/07	1600/03	1700/23	1600/02	1100/18	0600/16
MIN.	317.00	316.58	317.69	314.98	315.12	315.82	316.67	314.49	315.53	314.63	314.04	314.04
	1900/19	0100/17	0700/10	0100/05	0300/19	2400/17	2400/31	0100/27	2400/07	2300/29	1900/10	0800/15

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

/ Indicates No Data.

ANNUAL MEAN: 322.34

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	558.82	Jan	558.30	May
Daily mean elevation:	559.65	3 Mar	557.67	2 Jun
Instant/hourly Elevation:	559.76	1500/21 Jan	557.31	2100/22 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
559.65	21 Jan
559.34	5 Feb
559.65	3 Mar
559.20	2 Apr
558.48	10 May
558.84	28 Jun
559.02	20 Jul
558.74	17 Aug
558.87	23 Sep
559.11	26 Oct
559.03	30 Nov
559.54	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
558.39	19 Jan
558.32	28 Feb
558.01	10 Mar
558.12	22 Apr
558.17	19 May
557.67	2 Jun
558.09	31 Jul
558.15	1 Aug
558.34	4 Sep
558.20	11 Oct
558.03	10 Nov
557.79	12 Dec

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.
559.60	2		1										559.60	3
559.40	1		1									1	559.40	6
559.20	2	1	1									3	559.20	13
559.00	2	2	1	1			1			1	1		559.00	22
558.80	2	3	5			1	1		1	1	1	1	558.80	38
558.60	16	13	14	4		5	13	4	5	3	3	8	558.60	126
558.40	5	6	5	12	3	11	12	21	17	14	10	6	558.40	248
558.20	1	3	2	10	26	10	3	5	7	11	8	4	558.20	338
558.00			1	3	2	2	1	1		1	7	2	558.00	358
557.80												5	557.80	363
557.60						1						1	557.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	558.73	558.60	558.64	558.55	558.38	558.19	558.46	558.15	558.51	558.39	558.20	558.50
2	558.63	558.64	559.48	559.20	558.29	557.67	558.51	558.36	558.47	558.89	558.22	558.84
3	558.59	558.84	559.65	558.60	558.25	558.26	558.56	558.50	558.34	558.28	558.46	558.47
4	558.71	558.92	559.26	558.13	558.29	558.30	558.66	558.47	558.34	558.38	558.41	558.34
5	558.63	559.34	558.70	558.34	558.26	558.34	558.58	558.41	558.35	558.53	558.58	558.45
6	558.65	558.67	558.64	558.47	558.36	558.14	558.50	558.53	558.47	558.44	558.77	558.51
7	559.13	558.63	558.61	558.58	558.39	558.30	558.67	558.63	558.37	558.50	558.78	558.58
8	558.57	558.92	558.87	558.75	558.44	558.58	558.79	558.55	558.37	558.48	558.23	558.65
9	558.69	559.12	558.47	558.56	558.43	558.24	558.61	558.49	558.46	558.78	558.24	558.63
10	558.62	559.02	558.01	558.64	558.48	558.38	558.68	558.45	558.44	558.28	558.03	558.60
11	558.97	558.66	558.32	558.68	558.28	558.27	558.70	558.44	558.48	558.20	558.20	558.06
12	559.64	558.57	558.67	558.42	558.20	558.51	558.63	558.46	558.41	558.36	558.52	557.79
13	558.68	558.73	558.80	558.77	558.21	558.49	558.68	558.47	558.41	558.39	558.48	557.82
14	558.59	558.64	558.72	558.48	558.30	558.51	558.64	558.53	558.38	558.44	558.31	557.90
15	558.67	558.60	558.41	558.41	558.32	558.38	558.53	558.53	558.41	558.46	558.16	558.40
16	558.61	558.53	558.35	558.14	558.30	558.40	558.43	558.58	558.49	558.39	558.16	559.25
17	558.73	558.36	558.65	558.34	558.32	558.31	558.50	558.74	558.57	558.50	558.16	559.38
18	558.60	558.64	558.74	558.35	558.28	558.41	558.65	558.64	558.55	558.48	558.91	559.38
19	558.39	558.66	558.67	558.47	558.17	558.46	558.67	558.43	558.75	558.42	558.71	558.74
20	559.39	558.61	558.82	558.35	558.33	558.53	559.02	558.40	558.64	558.44	558.49	558.71
21	559.65	558.71	558.74	558.49	558.31	558.59	558.72	558.44	558.51	558.51	558.36	559.54
22	558.94	558.71	558.75	558.12	558.27	558.62	558.58	558.50	558.51	558.54	558.35	558.78
23	559.32	558.61	558.58	558.28	558.36	558.44	558.57	558.54	558.87	558.62	558.51	558.64
24	559.44	558.58	558.46	558.24	558.26	558.47	558.63	558.43	558.66	558.40	558.56	558.65
25	559.11	558.65	558.50	558.45	558.25	558.70	558.45	558.51	558.56	558.65	558.23	558.33
26	558.61	558.56	559.03	558.35	558.21	558.70	558.92	558.34	558.64	559.11	558.17	557.87
27	558.61	558.33	558.84	558.35	558.30	558.65	558.39	558.25	558.38	558.49	558.28	557.88
28	558.60	558.32	558.78	558.56	558.24	558.84	558.31	558.25	558.48	558.39	558.56	558.31
29	558.66		558.64	558.25	558.23	558.59	558.37	558.44	558.44	558.32	558.58	558.61
30	558.62		558.84	558.30	558.32	558.66	558.53	558.53	558.64	558.42	559.03	558.16
31	558.66		558.92		558.35		558.09	558.66		558.24		557.81
MEAN	558.82	558.68	558.73	558.45	558.30	558.43	558.58	558.47	558.50	558.47	558.42	558.50
MAX.	559.76	559.57	559.74	559.71	559.17	559.49	559.59	559.28	559.36	559.45	559.40	559.73
	1500/21	1500/10	1500/03	2200/02	0700/10	0700/30	0700/20	0600/18	2300/23	0500/26	0300/07	1200/21
MIN.	557.60	558.07	557.84	557.33	557.31	557.35	557.45	557.48	557.66	557.42	557.87	557.68
	2000/19	1100/17	0500/10	2200/04	2100/22	2100/06	2100/31	2100/01	1900/18	2000/31	1900/26	0700/12

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

/ Indicates No Data.

ANNUAL MEAN: 558.53

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	561.80	Jan	561.01	Nov
Daily mean elevation:	562.99	24 Jan	560.35	26 Dec
Instant/hourly Elevation:	563.19	0800/24 Jan	560.13	1900/19 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
562.99	24 Jan
562.47	5 Feb
562.73	3 Mar
562.40	2 Apr
561.51	9 May
561.73	28 Jun
562.02	20 Jul
561.73	17 Aug
561.87	23 Sep
561.99	26 Oct
561.83	30 Nov
562.53	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
561.11	19 Jan
560.98	28 Feb
560.61	10 Mar
560.94	4 Apr
561.08	3 May
560.75	2 Jun
561.04	31 Jul
561.08	1 Aug
561.20	27 Sep
560.98	11 Oct
560.49	10 Nov
560.35	26 Dec

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.
562.80	3												562.80	3
562.60			2										562.60	5
562.40	1	1										2	562.40	9
562.20	2		1	1								2	562.20	15
562.00	1	2					1						562.00	19
561.80	2	1	2				1		1	2	1		561.80	29
561.60	7	5	4	6		4	2	3		1	1		561.60	62
561.40	14	13	13	5	6	9	16	13	9	2	3	4	561.40	169
561.20		3	3	14	21	14	10	12	18	16	2	7	561.20	289
561.00	1	1	5	3	4	2	1	3	2	8	8	5	561.00	332
560.80		2		1						2	5	3	560.80	345
560.60			1			1					8	1	560.60	356
560.40											2	5	560.40	363
560.20												2	560.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	561.57	561.51	561.41	561.61	561.35	561.28	561.36	561.08	561.48	561.26	560.65	561.12
2	561.50	561.52	562.73	562.40	561.20	560.75	561.37	561.28	561.37	561.87	560.74	561.60
3	561.59	561.72	562.73	561.67	561.08*	561.34	561.48	561.48	561.23	561.06	561.11	561.08
4	561.61	561.77*	562.21	560.94	561.19	561.43	561.50	561.44	561.20	561.25	561.07	560.88
5	561.52	562.47	561.53	561.25	561.22*	561.47	561.36	561.29	561.21	561.40	561.31	561.02
6	561.55	561.65	561.48	561.45	561.34	561.20	561.34	561.46	561.35	561.29	561.54	561.08
7	562.20	561.54	561.50	561.58	561.38	561.40	561.58	561.58	561.25	561.36	561.52	561.15
8	561.58	561.94	561.74	561.75	561.48	561.72	561.71	561.47	561.26	561.34	560.81	561.25
9	561.61	562.05*	561.15	561.57	561.51	561.30	561.50	561.40	561.38	561.68	560.83	561.39
10	561.49	562.17	560.61	561.63	561.50	561.36	561.55	561.41	561.33	561.08	560.49	561.32
11	561.97	561.57	561.02	561.65	561.36	561.23	561.54	561.29	561.38	560.98	560.66	560.58
12	562.87	561.42	561.45	561.33	561.25	561.51	561.45	561.40	561.25	561.15	561.18	560.56
13	561.62	561.72	561.56	561.74	561.25	561.41	561.58	561.38	561.28	561.19	561.13	560.50
14	561.53	561.52	561.42	561.40	561.36	561.44	561.54	561.44	561.28	561.23	560.82	560.43
15	561.64	561.43	561.02	561.37	561.41	561.28	561.40	561.41	561.28	561.26	560.59	561.22
16	561.52	561.28	561.04	561.06	561.29	561.25	561.29	561.49	561.32	561.19	560.68	562.44
17	561.57	561.12	561.46	561.29	561.32	561.06	561.36	561.73	561.45	561.33	560.69	562.25
18	561.54	561.51	561.54	561.30	561.32	561.22	561.49	561.63	561.42	561.31	561.74	562.23
19	561.11	561.61	561.46	561.38	561.15	561.34	561.56	561.40	561.57	561.19	561.44	561.45
20	562.39	561.45	561.65	561.30	561.39	561.39	562.02	561.35	561.46	561.21	561.13	561.49
21	562.81	561.53	561.55	561.45	561.36	561.40	561.71	561.37	561.39	561.32	560.93	562.53
22	561.82	561.51	561.54	561.04	561.32	561.50	561.53	561.47	561.39	561.34	560.86	561.59*
23	562.50	561.42	561.34	561.23	561.44	561.33	561.57	561.50	561.87	561.47	561.11	561.34*
24	562.99	561.40	561.20	561.15	561.29	561.39	561.59	561.37	561.56	561.22	561.22	561.30
25	562.29	561.41	561.25	561.34	561.22	561.61	561.41	561.48	561.45	561.55	560.69	560.92
26	561.53	561.29	561.94	561.25	561.22	561.64	561.90	561.24	561.55	561.99	560.62	560.35
27	561.61	560.98	561.68	561.32	561.33	561.50	561.34	561.13	561.20	561.28	560.76	560.40
28	561.66	560.98	561.59	561.57	561.30	561.73	561.32	561.14	561.32	561.19	561.09	560.81
29	561.56		561.40	561.25	561.31	561.49	561.37	561.33	561.31	561.12	561.13	561.24
30	561.56		561.69	561.29	561.33	561.59	561.52	561.42	561.55	561.21	561.83	560.73
31	561.63		561.90		561.47		561.04	561.65		560.99		560.55
MEAN	561.80	561.55	561.54	561.42	561.32	561.39	561.49	561.40	561.38	561.30	561.01	561.19
MAX.	563.19	562.73	563.03	563.08	562.23	562.45	562.54	562.16	562.27	562.48	562.52	562.89
	0800/24	1900/08	0700/02	1800/02	0700/10	0700/30	0700/20	0600/18	0100/24	0800/02	1000/18	2400/15
MIN.	560.13	560.64	560.36	560.19	560.41	560.42	560.50	560.49	560.67	560.37	560.26	560.21
	1900/19	2400/28	0500/10	2200/04	2100/17	2100/11	2100/31	2100/01	1900/22	2300/31	1800/26	2100/11

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

/ Indicates No Data.

ANNUAL MEAN: 561.40

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.19	Jan	571.49	Nov
Daily mean elevation:	574.30	23 Jan	570.46	27 Nov
Instant/hourly Elevation:	578.57	1745/15 Dec	569.09	0900/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.30	23 Jan
573.25	8 Feb
573.68	2 Mar
573.56	2 Apr
572.99	9 May
573.19	8 Jun
573.14	20 Jul
572.72	22 Aug
572.75	23 Sep
572.71	2 Oct
572.62	18 Nov
573.38	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.10	19 Jan
571.76	17 Feb
571.79	9 Mar
571.53	4 Apr
572.28	19 May
572.39	17 Jun
572.23	31 Jul
571.81	28 Aug
571.95	10 Sep
571.27	31 Oct
570.46	27 Nov
570.63	28 Dec

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	1												574.00	2
573.80	2												573.80	4
573.60	1		1										573.60	6
573.40	2			1									573.40	9
573.20	6	1										1	573.20	17
573.00	7	6		3		5	1						573.00	39
572.80	7	3	2	13	8	6	13						572.80	91
572.60	2	3	5	8	16	14	12	5	1	1	1	1	572.60	160
572.40	1	8	10	3	6	4	4	8	2			3	572.40	209
572.20		3	9	1	1	1	1	12	6	4	2	1	572.20	250
572.00	1	2	2					2	16	5	2	2	572.00	282
571.80		1	1					4	5	4	3	2	571.80	302
571.60		1	1							10	3	6	571.60	323
571.40				1						6	4	5	571.40	339
571.20										1	7	7	571.20	354
571.00											3	2	571.00	359
570.80											2		570.80	361
570.60											2	1	570.60	364
570.40											1		570.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.89	572.87	572.62	572.66	572.94	572.78	572.60	572.31	572.60	572.21	571.25	571.36
2	572.93	573.01	573.68	573.56	572.79	572.75	572.57	572.69	572.25	572.71	571.31	572.07
3	573.30	573.07	572.81	572.62	572.55	572.79	572.89	572.68	572.00	571.73	571.65	571.35
4	573.01	573.08	572.63	571.53	572.53	572.92	572.86	572.66	571.96	572.22	571.85	571.20
5	573.00	573.03	572.42	572.55	572.79	572.85	572.66	572.19	572.13	572.08	572.17	571.58
6	573.11	573.04	572.57	572.74	572.92	572.62	572.78	572.36	572.10	572.03	572.28	571.44
7	573.56	572.88	572.79	572.91	572.85	572.97	572.87	572.52	572.07	572.23	571.87	571.13
8	573.43	573.25	572.59	572.91	572.85	573.19	572.89	572.35	572.06	572.06	571.74	571.27
9	573.10	572.89	571.79	572.96	572.99	572.80	572.90	572.48	572.27	572.30	571.36	571.99
10	573.05	573.08	571.81	572.94	572.87	572.74	572.90	572.46	571.95	571.59	570.88	571.67
11	573.95	572.65	572.19	572.86	572.83	572.62	572.86	572.00	572.05	571.59	571.18	571.36
12	573.96	572.76	572.68	572.83	572.75	572.98	572.84	572.15	572.05	571.72	571.92	572.55
13	573.24	572.64	572.58	572.88	572.57	572.74	572.87	572.35	572.23	571.60	571.76	572.10
14	573.25	572.22	572.35	572.69	572.76	572.83	572.96	572.39	572.17	571.73	571.33	571.40
15	573.26	572.43	572.08	572.79	572.75	572.66	572.73	572.39	572.09	571.64	571.10	572.38
16	572.91	571.95	572.32	572.71	572.75	572.70	572.63	572.44	572.08	571.54	571.20	573.38
17	572.64	571.76	572.50	572.76	572.79	572.39	572.74	572.59	571.96	572.14	571.41	571.66
18	573.05	572.36	572.31	572.90	572.43	572.52	572.83	572.46	571.98	571.85	572.62	571.53
19	572.10	572.53	572.39	572.84	572.28	572.54	572.80	572.52	572.13	571.59	572.31	571.77
20	573.39	572.52	572.48	572.85	572.58	572.41	573.14	572.31	572.08	571.67	571.45	572.46
21	573.71	572.48	572.45	572.85	572.67	572.50	572.91	572.38	572.24	572.00	571.33	572.74
22	572.96	572.46	572.41	572.34	572.75	572.73	572.73	572.72	572.18	571.92	571.34	571.64
23	574.30	572.58	572.29	572.83	572.85	572.67	572.75	572.42	572.75	571.99	571.47	571.85
24	574.08	572.51	572.23	572.50	572.66	572.70	572.78	572.34	572.22	572.01	571.55	571.36
25	572.93	572.45	572.32	572.54	572.53	572.66	572.79	572.39	572.17	571.70	570.77	571.63
26	572.71	572.33	572.65	572.66	572.61	573.01	572.82	571.94	572.47	571.41	570.79	571.45
27	572.92	572.13	572.36	572.85	572.65	573.03	572.63	572.00	572.06	571.75	570.46	571.66
28	573.04	572.16	572.44	573.15	572.70	573.08	572.56	571.81	572.03	571.70	570.96	570.63
29	572.59		572.31	573.13	572.70	573.02	572.52	572.27	572.19	571.72	571.35	571.26
30	573.33		572.52	573.15	572.77	572.98	572.64	572.33	572.33	571.78	572.16	571.41
31	573.10		572.90		572.72		572.23	572.64		571.27		572.51
MEAN	573.19	572.61	572.47	572.78	572.72	572.77	572.76	572.37	572.16	571.85	571.49	571.74
MAX.	576.39	574.98	575.03	574.68	573.64	574.69	573.97	573.91	573.50	573.64	575.16	578.57
	2300/11	1700/08	0400/02	1700/02	2300/30	1300/27	1100/07	0600/22	1800/23	1100/21	0800/18	1745/15
MIN.	569.82	571.32	571.31	571.04	571.52	571.79	571.85	571.38	571.67	570.90	569.94	569.09
	1600/19	0600/17	1100/09	2000/04	0100/19	0800/20	0800/02	2100/26	2100/26	0200/03	0200/27	0900/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.41

ANNUAL SUMMARY OF LEVELS, 1987

Station 3028: Sturgeon Point, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.19	Jan	571.48	Nov
Daily mean elevation:	574.21	23 Jan	570.56	27 Nov
Instant/hourly Elevation:	577.04	1700/15 Dec	569.19	0900/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.21	23 Jan
573.28	8 Feb
573.51	2 Mar
573.44	2 Apr
572.95	9 May
573.11	8 Jun
573.05	20 Jul
572.64	3 Aug
572.65	23 Sep
572.61	2 Oct
572.37	18 Nov
573.11	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.23	19 Jan
571.84	17 Feb
571.93	10 Mar
571.77	4 Apr
572.36	19 May
572.40	17 Jun
572.26	31 Jul
571.89	28 Aug
571.95	10 Sep
571.30	31 Oct
570.56	27 Nov
570.77	28 Dec

~~~~~~~~~~~~ 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	3												573.80	4
573.60	1												573.60	5
573.40	2		1	1									573.40	9
573.20	5	1											573.20	15
573.00	8	6		3		2	1					1	573.00	36
572.80	7	4	2	14	8	8	10						572.80	89
572.60	3	3	4	9	17	14	15	3	1	1			572.60	159
572.40		8	11	2	5	5	4	9	1			1	572.40	205
572.20	1	2	10		1	1	1	14	7		2	4	572.20	248
572.00		3	1					3	18	6	3	2	572.00	284
571.80		1	2					2	3	6	1	1	571.80	300
571.60				1						13	4	5	571.60	323
571.40										3	4	7	571.40	337
571.20										2	9	8	571.20	356
571.00											2	1	571.00	359
570.80											4		570.80	363
570.60												1	570.60	364
570.40											1		570.40	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3028: Sturgeon Point, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.92	572.91	572.66	572.65	572.92	572.78	572.61	572.31	572.56	572.19	571.28	571.39
2	572.98	573.05	573.51	573.44	572.80	572.71	572.59	572.62	572.22	572.61	571.35	572.05
3	573.31	573.12	572.82	572.65	572.62	572.76	572.87	572.64	572.01	571.78	571.60	571.35
4	573.03	573.11	572.62	571.77	572.57	572.88	572.84	572.63	571.97	572.17	571.78	571.25
5	573.00	573.07	572.46	572.62	572.80	572.84	572.67	572.24	572.10	572.00	572.16	571.59
6	573.11	573.06	572.60	572.79	572.89	572.62	572.77	572.37	572.10	572.00	572.29	571.42
7	573.52	572.90	572.75	572.92	572.84	572.90	572.81	572.48	572.07	572.20	571.79	571.16
8	573.44	573.28	572.59	572.92	572.83	573.11	572.87	572.34	572.07	572.06	571.69	571.30
9	573.11	572.94	571.97	572.95	572.95	572.80	572.87	572.42	572.24	572.16	571.39	571.91
10	573.05	573.10	571.93	572.93	572.89	572.72	572.87	572.47	571.95	571.62	570.95	571.56
11	573.84	572.70	572.22	572.87	572.82	572.60	572.81	572.03	572.04	571.60	571.25	571.37
12	573.83	572.83	572.68	572.88	572.74	572.93	572.80	572.15	572.08	571.72	571.87	572.40
13	573.22	572.70	572.59	572.88	572.59	572.70	572.82	572.31	572.22	571.61	571.68	572.02
14	573.20	572.31	572.38	572.73	572.73	572.80	572.95	572.37	572.14	571.70	571.33	571.40
15	573.22	572.47	572.12	572.81	572.77	572.65	572.71	572.37	572.10	571.63	571.13	572.22
16	572.95	572.02	572.35	572.75	572.74	572.67	572.62	572.39	572.07	571.54	571.20	573.11
17	572.69	571.84	572.51	572.80	572.79	572.40	572.70	572.53	571.98	572.07	571.35	571.66
18	573.06	572.41	572.34	572.90	572.53	572.51	572.78	572.42	572.02	571.78	572.37	571.52
19	572.23	572.56	572.40	572.87	572.36	572.52	572.76	572.49	572.16	571.59	572.15	571.71
20	573.33	572.55	572.50	572.87	572.59	572.46	573.05	572.28	572.08	571.70	571.48	572.30
21	573.63	572.52	572.47	572.88	572.66	572.48	572.83	572.35	572.24	572.00	571.38	572.49
22	572.98	572.50	572.44	572.46	572.75	572.70	572.71	572.59	572.19	571.85	571.33	571.57
23	574.21	572.61	572.32	572.82	572.81	572.64	572.69	572.42	572.65	571.94	571.41	571.76
24	573.92	572.51	572.25	572.60	572.66	572.67	572.73	572.32	572.22	571.96	571.48	571.38
25	572.96	572.47	572.35	572.62	572.57	572.63	572.74	572.34	572.17	571.69	570.86	571.62
26	572.78	572.36	572.60	572.70	572.62	572.90	572.76	571.94	572.39	571.40	570.87	571.47
27	572.98	572.18	572.39	572.90	572.65	572.98	572.59	572.07	572.05	571.69	570.56	571.64
28	573.10	572.19	572.44	573.10	572.68	573.02	572.55	571.89	572.01	571.69	570.97	570.77
29	572.67		572.32	573.09	572.69	572.92	572.49	572.26	572.19	571.70	571.36	571.39
30	573.36		572.50	573.12	572.74	572.93	572.61	572.28	572.31	571.71	572.02	571.44
31	573.15		572.85		572.69		572.26	572.60		571.30		572.35
MEAN	573.19	572.65	572.48	572.81	572.72	572.74	572.73	572.35	572.15	571.83	571.48	571.70
MAX.	575.87	574.89	574.68	574.48	573.40	573.75	573.53	573.59	573.24	573.49	574.35	577.04
	0200/12	1600/08	0300/02	1600/02	2300/30	1300/27	1500/14	0600/22	1800/23	1900/24	0800/18	1700/15
MIN.	570.07	571.40	571.55	571.47	571.74	572.14	571.96	571.44	571.67	571.02	570.09	569.19
	1600/19	0700/17	0400/10	2000/04	0100/19	0800/20	2200/31	2400/26	2100/26	1500/31	0200/27	0900/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.40

ANNUAL SUMMARY OF LEVELS, 1987
Station 3032: Barcelona, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.12	Jan	572.19	Sep
Daily mean elevation:	573.92	23 Jan	571.95	26 Aug
Instant/hourly Elevation:	575.26	0100/12 Jan	570.81	1600/19 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.92	23 Jan
573.26	'8 Feb
573.24	2 Mar
573.20	2 Apr
572.87	1 May
572.96	8 Jun
572.93	14 Jul
572.61	4 Aug
572.48	1 Sep
	Oct
	Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.46	19 Jan
571.95	17 Feb
572.07	10 Mar
572.12	4 Apr
572.41	19 May
572.44	17 Jun
572.31	31 Jul
571.95	26 Aug
572.03	3 Sep
	Oct
	Nov
	Dec

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	2												573.60	3
573.40	2												573.40	5
573.20	5	1	1										573.20	12
573.00	12	1		3									573.00	28
572.80	5	9		17	5	10	7						572.80	81
572.60	3	2	6	8	22	15	19	1					572.60	157
572.40	1	10	14	1	4	5	4	9	1				572.40	206
572.20		3	9				1	16	1				572.20	236
572.00		1	1	1				3	2				572.00	244
571.80		1						2					571.80	247

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3032: Barcelona, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.96	572.89	572.61	572.66	572.87	572.76	572.64	572.34	572.48	/	/	/
2	573.03	572.95	573.24	573.20	572.78	572.67	572.61	572.59	572.22	/	/	/
3	573.27	573.05	572.76	572.65	572.64	572.76	572.83	572.58	572.03	/	/	/
4	573.04	573.00	572.64	572.12	572.62	572.82	572.81	572.61	572.04*	/	/	/
5	573.02	572.97	572.46	572.66	572.79	572.81	572.68	572.28	/	/	/	/
6	573.08	572.96	572.55	572.81	572.84	572.64	572.76	572.39	/	/	/	/
7	573.38	572.82	572.69	572.90	572.84	572.83	572.75	572.51	/	/	/	/
8	573.34	573.26	572.57	572.90	572.80	572.96	572.83	572.38	/	/	/	/
9	573.06	572.97	572.22	572.91	572.86	572.76	572.83	572.42	/	/	/	/
10	573.03	573.00	572.07	572.89	572.82	572.69	572.83	572.45	/	/	/	/
11	573.66	572.70	572.28	572.85	572.78	572.61	572.79	572.12	/	/	/	/
12	573.63	572.81	572.66	572.91	572.72	572.84	572.79	572.20	/	/	/	/
13	573.12	572.72	572.59	572.87	572.61	572.70	572.80	572.35	/	/	/	/
14	573.10	572.42	572.42	572.74	572.68	572.74	572.93	572.36	/	/	/	/
15	573.12	572.51	572.21	572.83	572.76	572.65	572.73	572.35	/	/	/	/
16	572.95	572.15	572.38	572.80	572.73	572.64	572.64	572.35	/	/	/	/
17	572.76	571.95	572.50	572.83	572.76	572.44	572.69	572.48	/	/	/	/
18	573.02	572.43	572.39	572.91	572.60	572.50	572.74	572.38	/	/	/	/
19	572.46	572.54	572.42	572.88	572.41	572.53	572.73	572.42	/	/	/	/
20	573.23	572.57	572.48	572.89	572.60	572.52	572.92	572.25	/	/	/	/
21	573.41	572.53	572.44	572.88	572.67	572.51	572.75	572.30	/	/	/	/
22	572.97	572.51	572.44	572.55	572.74	572.72	572.66	572.43	/	/	/	/
23	573.92	572.58	572.35	572.82	572.78	572.68	572.67	572.35	/	/	/	/
24	573.59	572.50	572.27	572.66	572.67	572.68	572.69	572.27	/	/	/	/
25	572.93	572.46	572.44	572.70	572.55	572.65	572.72	572.27	/	/	/	/
26	572.80	572.38	572.56	572.75	572.61	572.83	572.74	571.95	/	/	/	/
27	572.92	572.24	572.40	572.92	572.68	572.93	572.57	572.10	/	/	/	/
28	573.01	572.26	572.42	573.02	572.68	572.91	572.57	572.00	/	/	/	/
29	572.70		572.34	572.99	572.68	572.84	572.50	572.29	/	/	/	/
30	573.22		572.48	573.02	572.72	572.84	572.60	572.29	/	/	/	/
31	573.09		572.77		572.70		572.31	572.48		/		/
MEAN	573.12	572.65	572.49	572.82	572.71	572.72	572.71	572.34	572.19	/	/	/
MAX.	575.26	574.51	574.11	573.86	573.24	573.33	573.47	573.38	572.75			
	0100/12	1600/08	0400/02	1400/29	0900/01	0600/08	1200/14	2200/02	2100/01			
MIN.	570.81	571.56	571.78	571.79	571.98	572.16	572.05	571.56	571.87			
	1600/19	0700/17	0300/10	0600/04	0100/19	1800/21	2300/31	2400/26	0500/03			

STATION CLOSED

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

/ Indicates No Data.

ANNUAL MEAN: 572.64

ANNUAL SUMMARY OF LEVELS, 1987
Station 3038: Erie, Pennsylvania on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.17	Jan	571.49	Nov
Daily mean elevation:	573.88	23 Jan	570.90	27 Nov
Instant/hourly Elevation:	574.94	2400/11 Jan	570.01	0700/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.88	23 Jan
573.27	8 Feb
573.20	2 Mar
573.13	2 Apr
572.93	1 May
572.97	8 Jun
573.01	14 Jul
572.67	4 Aug
572.50	23 Sep
572.27	2 Oct
572.10	6 Nov
572.52	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.65	19 Jan
572.19	17 Feb
572.34	10 Mar
572.46	4 Apr
572.58	19 May
572.59	17 Jun
572.47	31 Jul
572.07	26 Aug
572.05	28 Sep
571.44	31 Oct
570.90	27 Nov
571.18	28 Dec

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	3												573.40	5
573.20	5	1											573.20	11
573.00	15	3	1	4			1						573.00	35
572.80	4	8	2	22	15	13	15						572.80	114
572.60	2	7	8	3	15	16	14	3					572.60	182
572.40		5	17	1	1	1	1	18	2			1	572.40	229
572.20		3	3					9	13	1			572.20	258
572.00		1						1	15	4	2	2	572.00	283
571.80										8	2	5	571.80	298
571.60										16	5	8	571.60	327
571.40										2	8	10	571.40	347
571.20											9	4	571.20	360
571.00											3	1	571.00	364
570.80											1		570.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3038: Erie, Pennsylvania on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.07	572.93	572.69	572.70	572.93	572.80	572.76	572.49	572.50	572.16	571.46	571.46
2	573.16	572.97	573.20	573.13	572.86	572.77	572.76	572.64	572.31	572.27	571.50	571.90
3	573.36	573.06	572.84	572.75	572.79	572.79	572.93	572.66	572.16	571.96	571.61	571.37
4	573.14	573.00	572.69	572.46	572.77	572.89	572.88	572.67	572.15	572.09	571.66	571.46
5	573.09	572.99	572.55	572.83	572.89	572.86	572.79	572.50	572.20	571.93	572.06	571.69
6	573.11	572.97	572.63	572.93	572.91	572.73	572.84	572.56	572.18	571.91	572.10	571.51
7	573.42	572.88	572.73	572.98	572.90	572.85	572.89	572.60	572.18	572.10	571.69	571.29
8	573.37	573.27	572.66	573.00	572.86	572.97	572.90	572.50	572.21	572.08	571.57	571.36
9	573.11	573.04	572.50	572.98	572.89	572.84	572.91	572.57	572.28	571.92	571.52	571.67
10	573.10	573.03	572.34	572.96	572.89	572.77	572.92	572.59	572.10	571.72	571.27	571.49
11	573.65	572.78	572.47	572.93	572.84	572.67	572.88	572.33	572.15	571.73	571.45	571.40
12	573.54	572.90	572.74	573.00	572.85	572.84	572.88	572.38	572.21	571.82	571.75	572.08
13	573.16	572.84	572.68	572.98	572.75	572.77	572.88	572.45	572.28	571.73	571.56	571.83
14	573.11	572.60	572.54	572.86	572.76	572.79	573.01	572.44	572.21	571.72	571.39	571.44
15	573.15	572.65	572.38	572.94	572.83	572.73	572.81	572.44	572.13	571.68	571.28	571.90
16	573.04	572.36	572.50	572.93	572.84	572.73	572.75	572.45	572.17	571.66	571.30	572.52
17	572.88	572.19	572.59	572.94	572.82	572.59	572.79	572.52	572.15	571.92	571.26	571.75
18	573.08	572.57	572.49	573.00	572.73	572.63	572.81	572.44	572.21	571.74	571.96	571.55
19	572.65	572.66	572.49	572.99	572.58	572.65	572.80	572.47	572.27	571.64	571.82	571.61
20	573.28	572.66	572.57	572.99	572.75	572.66	572.93	572.34	572.20	571.76	571.55	571.86
21	573.37	572.62	572.54	572.99	572.79	572.67	572.81	572.36	572.29	571.94	571.54	572.03
22	573.02	572.61	572.53	572.71	572.81	572.81	572.75	572.44	572.27	571.78	571.31	571.52
23	573.88	572.64	572.45	572.93	572.84	572.81	572.75	572.45	572.50	571.77	571.27	571.69
24	573.54	572.58	572.39	572.87	572.76	572.78	572.78	572.35	572.28	571.82	571.37	571.46
25	573.00	572.56	572.47	572.85	572.66	572.75	572.78	572.31	572.20	571.68	571.11	571.64
26	572.92	572.49	572.56	572.87	572.72	572.91	572.82	572.07	572.24	571.50	571.13	571.59
27	572.99	572.37	572.49	572.97	572.76	572.90	572.68	572.29	572.08	571.68	570.90	571.64
28	573.06	572.40	572.52	573.07	572.76	572.92	572.69	572.24	572.05	571.74	571.16	571.18
29	572.80		572.47	573.02	572.76	572.85	572.63	572.41	572.15	571.69	571.40	571.67
30	573.22		572.62	573.07	572.78	572.88	572.68	572.36	572.28	571.67	571.74	571.60
31	573.14		572.87		572.75		572.47	572.50		571.44		571.93
MEAN	573.17	572.74	572.59	572.92	572.80	572.79	572.81	572.45	572.22	571.81	571.49	571.65
MAX.	574.94	574.42	573.79	573.76	573.28	573.44	573.41	573.24	572.78	572.86	572.94	574.34
	2400/11	1700/08	0400/02	1500/29	0200/12	1100/27	1400/14	2200/02	1400/23	1900/02	0700/18	1900/15
MIN.	571.35	571.83	572.11	572.21	572.26	572.33	572.21	571.70	571.82	571.27	570.53	570.01
	1500/19	0700/17	0400/16	0400/04	2400/18	2400/01	2300/31	2200/26	2400/30	1600/31	0400/25	0700/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.45

ANNUAL SUMMARY OF LEVELS, 1987
Station 3053: Fairport Harbor, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.13	Jan	571.48	Nov
Daily mean elevation:	573.35	2 Jan	571.19	23 Nov
Instant/hourly Elevation:	574.16	1800/19 Jan	570.38	1800/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.35	2 Jan
573.26	8 Feb
573.00	9 Mar
573.31	4 Apr
573.00	4 May
572.98	27 Jun
573.02	14 Jul
572.77	5 Aug
572.41	18 Sep
572.18	3 Oct
571.76	5 Nov
571.95	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.97	29 Jan
572.67	24 Feb
572.55	26 Mar
572.71	1 Apr
572.78	31 May
572.74	19 Jun
572.67	30 Jul
572.27	26 Aug
572.10	26 Sep
571.57	23 Oct
571.19	23 Nov
571.38	15 Dec

~~~~~~~~~~~~ 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.
573.20	6	1		1									573.20	8
573.00	20	1		23			1						573.00	53
572.80	5	16	5	4	30	22	19						572.80	154
572.60		10	23	2	1	8	11	13					572.60	222
572.40			3					11	2				572.40	238
572.20								7	23				572.20	268
572.00									5	2			572.00	275
571.80										11		1	571.80	287
571.60										16	8	9	571.60	320
571.40										2	14	19	571.40	355
571.20											7	2	571.20	364
571.00											1		571.00	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3053: Fairport Harbor, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.24	572.92	572.71	572.71	572.98	572.83	572.95	572.63	572.36	572.08	571.64	571.54
2	573.35	572.91	572.64	572.72	572.97	572.86	572.96	572.68	572.41	571.92	571.64	571.48
3	573.28	572.93	572.81	572.85	572.99	572.91	572.90	572.68	572.36	572.18	571.59	571.44
4	573.26	572.93	572.74	573.31	573.00	572.91	572.96	572.70	572.34	571.95	571.55	571.76
5	573.20	572.88	572.75	573.01	572.97	572.90	572.95	572.77	572.27	571.82	571.76	571.64
6	573.14	572.87	572.74	573.02	572.93	572.89	572.93	572.69	572.27	571.82	571.62	571.47
7	573.20	572.92	572.70	573.02	572.96	572.84	572.94	572.63	572.26	571.97	571.48	571.44
8	573.16	573.26	572.74	573.03	572.91	572.80	572.94	572.64	572.30	571.96	571.46	571.46
9	573.10	573.10	573.00	573.04	572.87	572.89	572.94	572.66	572.29	571.67	571.63	571.38
10	573.16	572.91	572.85	573.03	572.89	572.81	572.94	572.72	572.29	571.85	571.66	571.42
11	573.24	572.91	572.81	573.04	572.88	572.79	572.91	572.66	572.27	571.90	571.62	571.46
12	573.07	572.99	572.78	573.12	572.92	572.80	572.88	572.61	572.29	571.85	571.46	571.41
13	573.14	572.93	572.76	573.10	572.94	572.82	572.92	572.57	572.31	571.82	571.38	571.44
14	573.07	572.96	572.77	573.13	572.87	572.82	573.02	572.54	572.28	571.75	571.45	571.46
15	573.13	572.91	572.78	573.14	572.98	572.82	572.89	572.52	572.24	571.74	571.49	571.38
16	573.15	572.94	572.73	573.12	572.92	572.79	572.89	572.50	572.26	571.75	571.44	571.53
17	573.14	572.97	572.72	573.12	572.87	572.81	572.83	572.49	572.30	571.68	571.38	571.67
18	573.15	572.85	572.68	573.09	572.95	572.75	572.81	572.45	572.41	571.69	571.35	571.55
19	573.34	572.78	572.67	573.10	572.94	572.74	572.82	572.46	572.35	571.70	571.31	571.45
20	573.16	572.76	572.64	573.07	572.93	572.78	572.76	572.38	572.34	571.76	571.55	571.44
21	573.00	572.74	572.64	573.08	572.94	572.83	572.78	572.31	572.31	571.88	571.62	571.44
22	573.13	572.72	572.62	573.08	572.96	572.85	572.81	572.40	572.33	571.69	571.26	571.50
23	573.18	572.70	572.59	572.99	572.92	572.90	572.79	572.41	572.27	571.57	571.19	571.55
24	573.02	572.67	572.60	573.14	572.89	572.88	572.75	572.34	572.30	571.67	571.23	571.62
25	573.08	572.68	572.61	573.10	572.86	572.86	572.74	572.28	572.24	571.67	571.42	571.64
26	573.11	572.69	572.55	573.06	572.85	572.87	572.79	572.27	572.10	571.64	571.49	571.70
27	572.99	572.71	572.61	573.09	572.86	572.98	572.77	572.54	572.12	571.66	571.51	571.63
28	572.98	572.68	572.62	573.03	572.84	572.88	572.73	572.61	572.11	571.72	571.41	571.77
29	572.97		572.62	572.96	572.83	572.78	572.69	572.46	572.11	571.68	571.47	571.95
30	572.99		572.76	572.99	572.81	572.88	572.67	572.37	572.19	571.60	571.38	571.68
31	573.04		572.97		572.78		572.70	572.41		571.65		571.48
MEAN	573.13	572.86	572.72	573.04	572.91	572.84	572.85	572.53	572.28	571.78	571.48	571.54
MAX.	574.16	574.09	573.51	573.97	573.37	573.60	573.30	573.59	572.63	572.45	572.22	572.48
	1800/19	2000/08	0900/31	1600/27	0200/15	0900/27	1900/07	1800/02	1000/18	0300/01	0500/05	1300/15
MIN.	572.69	572.59	572.32	572.43	572.28	572.43	572.38	571.99	571.90	571.29	570.86	570.38
	0500/12	0200/24	2300/25	0800/23	0200/30	2300/02	1000/25	0300/22	2200/30	2400/22	0700/18	1800/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.50

ANNUAL SUMMARY OF LEVELS, 1987
Station 3063: Cleveland, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.05	Jan	571.41	Nov
Daily mean elevation:	573.55	4 Apr	570.97	15 Dec
Instant/hourly Elevation:	574.73	2150/8 Feb	569.36	2000/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.49	19 Jan
573.28	8 Feb
573.14	9 Mar
573.55	4 Apr
573.02	3 May
572.88	27 Jun
573.00	14 Jul
572.81	5 Aug
572.38	18 Sep
572.20	3 Oct
571.70	10 Nov
571.98	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.79	24 Jan
572.63	24 Feb
572.47	26 Mar
572.53	2 Apr
572.78	31 May
572.66	12 Jun
572.61	30 Jul
572.17	21 Aug
571.98	29 Sep
571.42	23 Oct
571.03	19 Nov
570.97	15 Dec

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									573.40	2
573.20	2	1											573.20	5
573.00	18	4	1	17	1								573.00	46
572.80	9	11	4	10	25	11	16	1					572.80	133
572.60	1	12	16		5	19	15	11					572.60	212
572.40			10	2				12					572.40	236
572.20								6	20				572.20	262
572.00								1	8	1			572.00	272
571.80									2	6		2	571.80	282
571.60										13	7	3	571.60	305
571.40										11	9	11	571.40	336
571.20											8	11	571.20	355
571.00											6	3	571.00	364
570.80												1	570.80	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3063: Cleveland, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.20	572.82	572.65	572.60	572.92	572.75	572.91	572.62	572.30	571.96	571.67	571.50
2	573.32	572.81	572.47	572.53	572.94	572.77	572.94	572.63	572.38	571.70	571.68	571.27
3	573.20	572.83	572.74	572.83	573.02	572.87	572.80	572.80	572.37	572.20	571.54	571.34
4	573.24	572.83	572.69	573.55	572.99	572.83	572.90	572.73	572.35	571.83	571.47	571.78
5	573.18	572.81	572.73	573.00	572.91	572.82	572.92	572.81	572.23	571.66	571.69	571.53
6	573.04	572.73	572.70	573.01	572.87	572.87	572.85	572.70	572.24	571.72	571.48	571.42
7	573.09	572.83	572.63	572.96	572.89	572.73	572.89	572.61	572.27	571.85	571.36	571.43
8	573.04	573.28	572.70	573.02	572.87	572.69	572.87	572.64	572.25	571.87	571.35	571.40
9	573.04	573.05	573.14	572.99	572.81	572.87	572.87	572.59	572.24	571.50	571.64	571.21
10	573.10	572.79	572.97	572.98	572.82	572.75	572.84	572.67	572.19	571.84	571.70	571.36
11	573.04	572.89	572.87	572.98	572.84	572.73	572.85	572.72	572.13	571.87	571.58	571.38
12	572.92	572.96	572.73	573.06	572.89	572.66	572.83	572.63	572.26	571.79	571.23	571.09
13	573.04	572.91	572.71	573.06	572.92	572.76	572.88	572.54	572.23	571.78	571.22	571.24
14	572.95	573.04	572.80	573.12	572.82	572.73	573.00	572.51	572.23	571.65	571.39	571.38
15	573.04	572.96	572.88	573.10	572.89	572.79	572.87	572.47	572.19	571.69	571.48	570.97
16	573.12	573.08	572.76	573.10	572.87	572.75	572.90	572.44	572.22	571.68	571.36	571.27
17	573.16	573.16	572.68	573.10	572.82	572.80	572.83	572.41	572.27	571.53	571.26	571.61
18	573.09	572.87	572.68	573.05	572.91	572.73	572.78	572.41	572.38	571.58	571.13	571.44
19	573.49	572.73	572.66	573.06	573.00	572.73	572.78	572.43	572.30	571.62	571.03	571.33
20	573.02	572.72	572.60	573.03	572.93	572.73	572.72	572.36	572.28	571.66	571.56	571.18
21	572.81	572.70	572.60	573.04	572.91	572.80	572.80	572.17	572.23	571.70	571.62	571.18
22	573.05	572.67	572.55	573.12	572.90	572.82	572.76	572.43	572.28	571.54	571.11	571.41
23	572.88	572.63	572.59	573.02	572.86	572.88	572.75	572.47	572.14	571.42	571.04	571.44
24	572.79	572.63	572.61	573.13	572.86	572.85	572.72	572.36	572.22	571.55	571.14	571.55
25	573.04	572.66	572.54	573.08	572.84	572.83	572.73	572.25	572.18	571.60	571.45	571.58
26	573.10	572.69	572.47	573.05	572.86	572.87	572.80	572.28	571.98	571.58	571.52	571.67
27	572.87	572.75	572.58	572.99	572.80	572.88	572.77	572.57	572.05	571.56	571.66	571.56
28	572.84	572.72	572.57	572.99	572.79	572.72	572.71	572.67	572.02	571.63	571.48	571.88
29	572.96		572.60	572.91	572.78	572.69	572.69	572.41	571.98	571.60	571.38	571.98
30	572.83		572.74	572.91	572.79	572.79	572.61	572.31	572.18	571.48	571.10	571.59
31	572.96		572.88		572.78		572.71	572.32		571.64		571.22
MEAN	573.05	572.84	572.69	573.01	572.87	572.78	572.82	572.51	572.22	571.69	571.41	571.43
MAX.	574.67	574.73	573.48	574.01	573.39	573.38	573.34	573.55	572.90	572.66	572.30	572.40
	1752/19	2150/08	1100/09	1600/27	1100/22	1800/27	0900/14	1800/02	2300/30	0100/03	0200/05	1200/15
MIN.	572.25	572.44	572.04	572.13	572.27	572.33	572.28	571.43	571.77	570.79	570.31	569.36
	2200/23	0800/03	0100/26	1800/02	0400/12	2300/29	1900/03	1500/21	1500/26	0300/23	1000/18	2000/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.44

ANNUAL SUMMARY OF LEVELS, 1987
Station 3079: Marblehead, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.06	Apr	571.29	Dec
Daily mean elevation:	573.90	19 Jan	570.11	16 Dec
Instant/hourly Elevation:	575.62	1500/19 Jan	566.34	2100/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.90	19 Jan
573.32	17 Feb
573.51	9 Mar
573.84	4 Apr
573.27	19 May
572.96	17 Jun
573.08	2 Jul
572.97	11 Aug
572.51	3 Sep
572.16	3 Oct
572.07	27 Nov
572.29	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.30	23 Jan
572.60	8 Feb
572.04	2 Mar
572.01	2 Apr
572.74	30 May
572.54	29 Jun
572.56	30 Jul
572.09	21 Aug
571.88	29 Sep
571.28	17 Oct
570.88	30 Nov
570.11	16 Dec

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			1									573.80	2
573.60													573.60	2
573.40			1	1									573.40	4
573.20	5	3	2	4	3								573.20	21
573.00	7	2	2	15	8		4						573.00	59
572.80	8	10	3	7	17	12	13	4					572.80	133
572.60	3	12	16		3	14	12	8					572.60	201
572.40	4	1	5	1		4	2	9	4				572.40	231
572.20	1		1					7	16			1	572.20	257
572.00			1	1				3	6	1	1		572.00	270
571.80									4	4	1	1	571.80	280
571.60										12	6	4	571.60	302
571.40										7	5	9	571.40	323
571.20										7	9	7	571.20	346
571.00											4		571.00	350
570.80											4	6	570.80	360
570.60													570.60	360
570.40												1	570.40	361
570.20													570.20	361
570.00												2	570.00	363

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3079: Marblehead, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.30	572.90*	572.59	572.54	572.94	572.74	573.01	572.72	572.19	571.79	571.78	571.44
2	573.31	572.83*	572.04	572.01	573.03	572.80	573.08	572.51	572.40	571.39	571.75	570.91
3	573.09	572.69	572.64	572.86	573.22	572.87	572.78	572.78	572.51	572.16	571.54	571.43
4	573.27	572.79	572.70	573.84	573.21	572.84	572.92	572.73	572.46	571.67	571.38	571.63
5	573.23	572.83*	572.86*	573.16	572.98	572.82	573.02	572.91	572.33	571.54	571.18	571.29
6	573.11	572.65*	572.75	572.99	572.92	572.95	572.87	572.72	572.29	571.55	571.14	571.41
7	572.90	572.82	572.61	572.97	572.94	572.65	572.87	572.59	572.29	571.61	571.35	571.56
8	572.83	572.60	572.73	573.02	572.95	572.57	572.84	572.75	572.30	571.74	571.28	571.49
9	573.09	572.82	573.51	573.02	572.82	572.88	572.87	572.56	572.21	571.40	571.62	570.96
10	573.07	572.68	573.39	573.05	572.82	572.78	572.81	572.72	572.43	571.90	571.91	571.36
11	572.50	573.02	573.04	573.08	572.87	572.76	572.85	572.97	572.27	571.92	571.57	571.34
12	572.56	572.90	572.73	573.08	573.05	572.58	572.82	572.81	572.29	571.76	570.98	570.55
13	572.99	572.98	572.77	573.12	573.10	572.76	572.83	572.63	572.26	571.83	571.14	570.94
14	572.90	573.29	572.96	573.28	572.93	572.71	573.00	572.56	572.32	571.66	571.43	571.41
15	573.00	573.08	573.27	573.20	573.02	572.81	573.03	572.48	572.30	571.72	571.58	570.16
16	573.19	573.32	573.02	573.26	572.89	572.80	572.99	572.41	572.28	571.77	571.48	570.11
17	573.34	573.32	572.76	573.17	572.79	572.96	572.83	572.28	572.31	571.28	571.33	571.44
18	573.11	572.89	572.89	573.04	573.03	572.79	572.76	572.42	572.42	571.55	571.32	571.40
19	573.90	572.78	572.80	573.09	573.27	572.76	572.76	572.33	572.30	571.65	570.99	571.24
20	572.77	572.76	572.62	573.07	573.05	572.86	572.58	572.39	572.30	571.62	571.32	570.93
21	572.56	572.75	572.60*	573.11	572.98	572.89	572.73	572.09	572.17	571.29	571.25	570.86
22	572.99	572.74	572.58*	573.44	572.90	572.77	572.76	572.23	572.29	571.38	571.10	571.40
23	572.30*	572.62	572.69	573.04	572.90	572.94	572.73	572.34	571.95	571.38	571.00	571.35
24	/	572.67	572.73	573.31	573.02	572.91	572.66	572.32	572.18	571.35	571.25	571.62
25	/	572.71	572.59	573.27	573.04	572.88	572.65	572.19	572.19	571.61	571.61	571.58
26	572.90*	572.75	572.40	573.14	572.90	572.69	572.64	572.43	571.94	571.67	571.78	571.69
27	572.87	572.87	572.62	573.00	572.87	572.71	572.80	572.63	572.07	571.49	572.07	571.57
28	572.73	572.90	572.57	572.89	572.84	572.54	572.67	572.87	572.06	571.50	571.76	572.29
29	573.12		572.66	572.89	572.82	572.54	572.70	572.43	571.88	571.55	571.39	571.94
30	572.55		572.78	572.86	572.74	572.70	572.56	572.30	571.93	571.43	570.88	571.62
31	572.80		572.65		572.80		572.84	572.12		571.81		570.94
MEAN	572.98	572.86	572.76	573.06	572.96	572.78	572.81	572.52	572.24	571.61	571.41	571.29
MAX.	575.62	573.99	573.83	574.25	573.77	573.33	573.76	573.28	572.71	572.86	572.44	573.08
	1500/19	2400/08	1000/09	1900/04	0100/19	1100/04	1900/19	2000/11	1300/18	0200/03	0200/27	0900/15
MIN.	570.83	571.67	571.27	571.33	572.31	572.10	572.30	571.50	571.11	570.80	570.78	566.34
	2400/11	1600/08	0400/02	1700/02	1900/30	1300/28	0900/20	0700/22	1900/30	0500/02	1600/18	2100/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.44

ANNUAL SUMMARY OF LEVELS, 1987
Station 3085: Toledo, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.12	Apr	571.19	Dec
Daily mean elevation:	574.24	19 Jan	569.08	16 Dec
Instant/hourly Elevation:	576.26	1200/19 Jan	564.34	2054/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.24	19 Jan
573.67	14 Feb
573.96	9 Mar
573.99	22 Apr
573.67	19 May
573.17	17 Jun
573.21	2 Jul
573.25	11 Aug
572.69	3 Sep
572.05	3 Oct
572.53	27 Nov
572.84	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.64	23 Jan
571.78	8 Feb
571.61	2 Mar
571.33	2 Apr
572.65	30 May
572.38	28 Jun
572.44	20 Jul
571.88	31 Aug
571.57	30 Sep
570.62	21 Oct
570.00	18 Nov
569.08	16 Dec

~~~~~~~~~~~~ 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.
574.00	1												574.00	1
573.75			3	1									573.75	5
573.50	1	2		5	1								573.50	14
573.25	6	2	4	5	4								573.25	35
573.00	8	4	1	12	7	2	5	3					573.00	77
572.75	6	13	9	3	14	16	9	5				1	572.75	153
572.50	2	6	10	3	5	7	16	7	3		1		572.50	213
572.25	4		3			5	1	9	14				572.25	249
572.00	2							6	9	1	3		572.00	270
571.75		1						1	2	7	3	2	571.75	286
571.50	1		1						2	8	5	8	571.50	311
571.25				1						10	5	9	571.25	336
571.00										3	3	2	571.00	344
570.75										1	5		570.75	350
570.50										1	2	6	570.50	359
570.25											1		570.25	360
570.00											1		570.00	361
569.75											1	1	569.75	363
569.50												1	569.50	364
569.25													569.25	364
569.00												1	569.00	365
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3085: Toledo, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.35	572.86	572.54	572.55	572.93	572.67	573.16	572.92	572.11	571.58	571.88	571.43
2	573.33	572.77	571.61	571.33	573.10	572.78	573.21	572.39	572.45	570.86	571.84	570.58
3	573.05	572.64	572.51	572.88	573.50	572.71	572.67	572.80	572.69	572.05	571.52	571.54
4	573.32	572.79	572.82	573.61	573.48	572.77	572.92	572.80	572.56	571.50	571.34	571.41
5	573.34	572.81	573.05	573.25	573.00	572.78	573.18	573.03	572.41	571.40	570.61	571.10
6	573.16	572.68	572.79	573.01	572.88	573.02	572.81	572.75	572.35	571.40	570.73	571.45
7	572.74	572.84	572.64	573.01	572.98	572.52	572.79	572.56	572.35	571.34	571.11	571.80
8	572.63	571.78	572.80	573.07	572.93	572.39	572.73	572.89	572.27	571.60	571.26	571.58
9	573.20	572.73	573.96	573.10	572.70	572.92	572.83	572.47	572.19	571.27	571.61	570.68
10	573.07	572.66	573.86	573.10	572.74	572.81	572.67	572.74	572.57	571.96	572.04	571.36
11	572.05	573.18	573.26	573.10	572.75	572.77	572.76	573.25	572.32	571.93	571.53	571.36
12	572.25	572.84	572.71	573.09	573.17	572.51	572.72	572.99	572.31	571.70	570.79	570.00
13	573.01	573.08	572.88	573.30	573.25	572.77	572.69	572.67	572.23	571.88	571.00	570.66
14	572.87	573.67	573.26	573.53	572.86	572.64	572.82	572.56	572.36	571.67	571.50	571.52
15	572.94	573.36	573.80	573.31	573.06	572.88	573.14	572.49	572.39	571.76	571.73	569.71
16	573.29	573.44	573.37	573.56	572.97	572.82	573.05	572.35	572.32	571.80	571.65	569.08
17	573.59	573.51	572.95	573.29	572.84	573.17	572.82	572.05	572.31	571.01	571.38	571.32
18	573.13	572.93	573.26	573.11	573.31	572.86	572.71	572.43	572.34	571.47	570.00	571.40
19	574.24	572.84	572.97	573.16	573.67	572.79	572.63	572.13	572.23	571.71	570.25	571.23
20	572.48	572.80	572.68	573.15	573.14	573.00	572.44	572.47	572.26	571.55	570.95	570.71
21	572.35	572.79	572.72	573.28	573.03	572.95	572.65	572.06	572.07	570.62	570.94	570.60
22	572.95	572.79	572.66	573.99	572.88	572.69	572.73	572.08	572.26	571.28	571.15	571.44
23	571.64	572.65	572.89	573.03	572.83	572.97	572.67	572.22	571.72	571.23	570.96	571.31
24	572.26	572.72	572.97	573.73	573.15	572.94	572.57	572.33	572.14	571.19	571.05	571.74
25	573.10	572.76	572.48	573.54	573.26	572.90	572.56	572.13	572.16	571.56	571.87	571.60
26	573.10	572.82	572.32	573.26	572.95	572.43	572.56	572.67	571.89	571.76	572.11	571.70
27	572.96	573.04	572.72	572.95	572.92	572.39	572.85	572.75	572.07	571.33	572.53	571.58
28	572.80	573.24	572.66	572.72	572.85	572.38	572.62	573.06	572.08	571.34	572.09	572.84
29	573.28		572.80	572.72	572.83	572.40	572.71	572.43	571.76	571.53	571.37	571.78
30	572.45		572.72	572.78	572.65	572.60	572.54	572.31	571.57	571.34	570.43	571.73
31	572.79		572.38		572.72		572.99	571.88		571.98		570.53
MEAN	572.93	572.89	572.87	573.12	573.01	572.74	572.78	572.54	572.22	571.50	571.31	571.19
MAX.	576.26	574.69	574.75	574.77	574.57	573.75	573.73	573.90	573.10	573.13	573.18	575.05
	1200/19	1500/14	0200/10	1200/22	2300/18	1400/20	0600/02	2200/26	0700/03	0400/03	0500/25	0710/15
MIN.	569.50	570.59	570.07	570.01	571.87	571.52	572.00	571.17	570.93	569.58	568.57	564.34
	0200/12	1300/08	0600/02	1600/02	2200/30	1200/28	0800/20	0900/22	2200/30	1200/21	1200/18	2054/15

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

ANNUAL MEAN: 572.42

ANNUAL SUMMARY OF LEVELS, 1987
Station 3087: Monroe, Michigan on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.04	Apr	571.24	Dec
Daily mean elevation:	573.90	19 Jan	569.40	16 Dec
Instant/hourly Elevation:	575.73	1500/19 Jan	565.39	2100/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.90	19 Jan
	Feb
573.48	15 Mar
573.71	22 Apr
573.52	19 May
573.14	17 Jun
573.19	5 Jul
573.17	11 Aug
572.64	3 Sep
571.92	3 Oct
572.31	27 Nov
572.55	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.03	12 Jan
	Feb
572.19	25 Mar
571.54	2 Apr
572.74	30 May
572.44	27 Jun
572.53	20 Jul
571.93	31 Aug
571.50	30 Sep
570.79	21 Oct
570.23	18 Nov
569.40	16 Dec

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		1	3	1								573.40	8
573.20	6			4	3								573.20	21
573.00	6		3	6	7	4	6	1					573.00	54
572.80	1		5	5	17	12	10	5					572.80	109
572.60	3		6	5	3	8	13	9	1				572.60	157
572.40	1		2			6	2	7	4			1	572.40	180
572.20			2					4	14		1		572.20	201
572.00	2		1					4	7				572.00	215
571.80								1	2	7	3	1	571.80	229
571.60									1	6	5	3	571.60	244
571.40				1					1	9	6	10	571.40	271
571.20										4	3	6	571.20	284
571.00										2	4	1	571.00	291
570.80										1	3	2	570.80	297
570.60										1	2	4	570.60	304
570.40											2		570.40	306
570.20											1	2	570.20	309
570.00													570.00	309
569.80													569.80	309
569.60													569.60	309
569.40													569.40	309
569.20												1	569.20	310

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3087: Monroe, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.32	/	/	572.73	572.94	572.73	573.14	572.93	572.18	571.67	571.77	571.38
2	573.27	/	/	571.54	573.05	572.85	573.18	572.56	572.44	570.99	571.75	570.67
3	573.02	/	/	572.78	573.29	572.78	572.77	572.78	572.64	571.92	571.54	571.53
4	573.28	/	/	572.96	573.29	572.75	572.92	572.78	572.56	571.57	571.35	571.30
5	573.31	/	/	572.98	572.95	572.78	573.19	572.96	572.43	571.58	570.61	571.06
6	573.20	/	/	572.93	572.89	573.02	572.90	572.79	572.37	571.46	570.80	571.47
7	572.70	/	/	572.94*	572.93	572.62	572.87	572.63	572.40	571.32	571.16	571.83
8	572.68	/	/	/	572.93	572.46	572.85	572.90	572.26	571.59	571.32	571.55
9	573.22	/	/	/	572.79	572.84	572.89	572.57	572.20	571.42	571.47	570.92
10	573.13	/	/	/	572.78	572.81	572.79	572.71	572.56	571.85	571.83	571.39
11	572.16	/	/	/	572.83	572.84	572.87	573.17	572.35	571.88	571.49	571.45
12	572.03*	/	572.68*	/	573.06	572.58	572.84	572.95	572.31	571.67	570.89	570.22
13	/	/	572.84	573.47*	573.19	572.81	572.76	572.72	572.21	571.88	571.08	570.80
14	573.02*	/	573.14	573.44	572.91	572.71	572.81	572.66	572.39	571.70	571.47	571.50
15	572.93	/	573.48	573.26	572.98	572.86	573.14	572.58	572.40	571.76	571.69	570.25
16	573.21	/	573.13	573.42	572.97	572.82	573.09	572.47	572.33	571.82	571.65	569.40
17	573.51	/	572.82	573.24	572.87	573.14	572.90	572.16	572.39	571.12	571.53	571.28
18	573.09	/	573.06	573.07	573.26	572.90	572.78	572.48	572.38	571.57	570.23	571.47
19	573.90	/	572.84	573.14	573.52	572.84	572.78	572.16	572.29	571.70	570.44	571.30
20	572.64	/	572.63	573.14	573.10	573.07	572.53	572.51	572.31	571.52	570.92	570.91
21	572.50	/	572.66	573.16	573.04	573.10	572.73	572.21	572.13	570.79	570.88	570.72
22	573.16*	/	572.63	573.71	572.92	572.76	572.78	572.07	572.24	571.47	571.26	571.50
23	/	/	572.82	573.05	572.83	572.96	572.75	572.20	571.78	571.24	571.11	571.37
24	/	/	572.88*	573.30	573.07	572.98	572.69	572.34	572.14	571.18	571.07	571.78
25	/	/	572.19*	573.38	573.18	572.98	572.64	572.21	572.14	571.53	571.76	571.57
26	/	/	572.39	573.20	572.96	572.50	572.59	572.71	571.94	571.78	571.89	571.65
27	/	/	572.70	572.95	572.92	572.44	572.84	572.66	572.11	571.21*	572.31	571.59
28	/	/	572.60	572.70	572.87	572.57	572.69	572.89	572.12	/	571.97	572.55
29	/		572.74	572.77	572.86	572.58	572.76	572.45	571.82	571.81*	571.42	571.60
30	/		572.56	572.73	572.74	572.66	572.63	572.40	571.50	571.32	570.60	571.78
31	/		572.29		572.83		573.01	571.93		571.81		570.74
MEAN	573.01	/	572.75	573.04	572.99	572.79	572.84	572.57	572.24	571.54	571.31	571.24
MAX.	575.73		573.95	574.36	574.34	573.65	573.61	573.80	572.99	572.70	572.86	574.58
	1500/19		1200/15	1100/22	2300/18	1600/02	2400/14	2200/26	2000/10	0400/03	0300/27	0700/15
MIN.	569.95		571.61	570.45	571.80	571.90	572.08	571.28	570.80	569.89	569.05	565.39
	0200/12		1400/31	1500/02	2100/30	1100/08	0800/26	1200/22	2100/30	1100/21	1300/18	2100/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.39

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.00	Apr	571.24	Dec
Daily mean elevation:	573.77	19 Jan	569.47	16 Dec
Instant/hourly Elevation:	575.42	1300/19 Jan	565.95	2200/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.77	19 Jan
573.39	17 Feb
573.41	10 Mar
573.58	22 Apr
573.42	19 May
573.03	17 Jun
573.06	5 Jul
573.05	11 Aug
572.55	3 Sep
571.89	3 Oct
572.21	27 Nov
572.41	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.78	23 Jan
571.59	8 Feb
571.76	2 Mar
571.66	2 Apr
572.75	30 May
572.42	27 Jun
572.47	20 Jul
571.90	31 Aug
571.53	30 Sep
570.87	21 Oct
570.33	18 Nov
569.47	16 Dec

~~~~~~~~~~~~ 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.
573.60	1												573.60	1
573.40	1		1	1	1								573.40	5
573.20	4	3	1	4	2								573.20	19
573.00	9	3	4	13	7	1	4	1					573.00	61
572.80	5	5	4	6	16	9	7	1					572.80	114
572.60	5	16	13	5	5	14	15	9					572.60	196
572.40	2		6			6	5	9	3			1	572.40	228
572.20	2		1					4	14		1		572.20	250
572.00	1							6	9				572.00	266
571.80								1	2	5	1		571.80	275
571.60	1		1	1					1	8	7	3	571.60	297
571.40		1							1	9	6	10	571.40	324
571.20										5	3	7	571.20	339
571.00										3	4	1	571.00	347
570.80										1	4	3	570.80	355
570.60											2	3	570.60	360
570.40											1	1	570.40	362
570.20											1	1	570.20	364
570.00													570.00	364
569.80													569.80	364
569.60													569.60	364
569.40												1	569.40	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.28	572.90	572.64	572.75	572.93	572.71	573.04	572.80	572.12	571.74	571.79	571.33
2	573.24	572.78	571.76	571.66	573.01	572.82	573.06	572.48	572.39	571.04	571.78	570.70
3	573.00	572.64	572.44	572.75	573.23	572.76	572.73	572.72	572.55	571.89	571.57	571.50
4	573.26	572.76	572.70	572.81	573.21	572.70	572.86	572.65	572.49	571.57	571.39	571.26
5	573.29	572.76	572.96	572.92	572.93	572.74	573.06	572.80	572.36	571.61	570.66	571.07
6	573.18	572.71	572.75	572.91	572.88	572.96	572.84	572.69	572.32	571.47	570.81	571.38
7	572.74	572.84	572.64	572.94	572.90	572.62	572.82	572.54	572.30	571.35	571.18	571.73
8	572.71	571.59	572.75	573.00	572.91	572.46	572.79	572.77	572.22	571.58	571.33	571.56
9	573.19	572.64	573.06	573.05	572.80	572.78	572.82	572.53	572.13	571.46	571.44	571.00
10	573.12	572.66	573.41	573.07	572.79	572.78	572.75	572.58	572.49	571.82	571.78	571.38
11	572.20	573.07	573.11	573.13	572.86	572.81	572.80	573.05	572.29	571.84	571.46	571.45
12	572.39	572.78	572.67	573.06	572.95	572.56	572.78	572.84	572.29	571.65	570.94	570.37
13	573.03	572.98	572.81	573.17	573.12	572.74	572.66	572.62	572.16	571.84	571.12	570.78
14	572.96	573.36	573.08	573.39	572.89	572.76	572.70	572.58	572.28	571.69	571.44	571.42
15	572.91	573.14	573.35	573.23	572.94	572.77	573.03	572.52	572.33	571.73	571.68	570.52
16	573.15	573.33	573.04	573.36	572.92	572.75	572.99	572.41	572.29	571.78	571.61	569.47
17	573.44	573.39	572.76	573.20	572.85	573.03	572.83	572.11	572.33	571.17	571.56	571.23
18	573.06	572.86	572.97	573.06	573.18	572.82*	572.73	572.37	572.31	571.52	570.33	571.45
19	573.77	572.78	572.79	573.10	573.42	572.75	572.72	572.11	572.24	571.63	570.56	571.26
20	572.65	572.75	572.61	573.09	573.05	572.93	572.47	572.43	572.28	571.49	570.88	570.92
21	572.55	572.74	572.63	573.08	573.02	572.93	572.66	572.17	572.11	570.87	570.87	570.76
22	572.99	572.73	572.60	573.58	572.89	572.68	572.69	572.03	572.18	571.45	571.31	571.48
23	571.78	572.61	572.75	573.03	572.79	572.86	572.67	572.16	571.77	571.26	571.13	571.32
24	572.23	572.67	572.84	573.17	573.03	572.87	572.62	572.26	572.10	571.20	571.04	571.72
25	573.05	572.70	572.58	573.30	573.11	572.88	572.56	572.14	572.10	571.55	571.70	571.53
26	573.05	572.75	572.44	573.16	572.93	572.48	572.52	572.62	571.92	571.75	571.78	571.59
27	572.92	572.96	572.66	572.93	572.89	572.42	572.76	572.58	572.08	571.34	572.21	571.54
28	572.76	573.08	572.59	572.70	572.84	572.50	572.60	572.75	572.08	571.33	571.88	572.41
29	573.20		572.71	572.80	572.83	572.53	572.68	572.40	571.81	571.53	571.43	571.54
30	572.47		572.55	572.73	572.75	572.62	572.48	572.38	571.53	571.38	570.66	571.76
31	572.76		572.26		572.79		572.87	571.90		571.82		570.86
MEAN	572.91	572.82	572.74	573.00	572.96	572.73	572.76	572.48	572.20	571.53	571.31	571.24
MAX.	575.42	574.07	573.76	574.10	574.06	573.41	573.47	573.59	572.90	572.71	572.68	574.15
	1300/19	1600/14	0300/10	1100/22	2300/18	1700/21	2400/14	2300/26	2000/10	0400/03	0300/27	0800/15
MIN.	570.07	570.36	570.45	570.71	572.19	571.96	572.01	571.43	571.04	569.91	569.17	565.95
	0100/12	1600/08	0600/02	1500/02	1400/31	0200/30	0700/26	0500/22	1600/30	1100/21	1200/18	2200/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.39

ANNUAL SUMMARY OF LEVELS, 1987
Station 4020: Gibraltar, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.12	Apr	571.49	Dec
Daily mean elevation:	573.81	19 Jan	569.95	16 Dec
Instant/hourly Elevation:	575.45	1400/19 Jan	567.70	2300/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.81	19 Jan
573.48	17 Feb
573.45	10 Mar
573.64	22 Apr
573.50	19 May
573.22	17 Jun
573.27	5 Jul
573.25	11 Aug
572.79	3 Sep
572.15	1 Oct
572.31	27 Nov
572.48	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.04	23 Jan
571.71	8 Feb
571.99	2 Mar
571.98	2 Apr
572.92	23 May
572.64	27 Jun
572.72	20 Jul
572.21	31 Aug
571.80	30 Sep
571.23	21 Oct
570.70	18 Nov
569.95	16 Dec

~~~~~~~~~~~~ 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	3	2	2	2	1								573.40	12
573.20	10	2	1	9	5	1	4	1					573.20	45
573.00	7	6	4	11	17	8	11	4					573.00	113
572.80	5	15	12	5	8	16	13	12					572.80	199
572.60	3	2	9	1		5	3	6	8				572.60	236
572.40	1		1					6	11			1	572.40	256
572.20			1					2	8		1		572.20	268
572.00	1								2	6	1	1	572.00	279
571.80			1	1						12	7	2	571.80	302
571.60		1							1	7	6	10	571.60	327
571.40										5	5	6	571.40	343
571.20										1	3	6	571.20	353
571.00											4	2	571.00	359
570.80											2	1	570.80	362
570.60											1	1	570.60	364
570.40													570.40	364
570.20													570.20	364
570.00													570.00	364
569.80												1	569.80	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4020: Gibraltar, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.40	573.11	572.83	573.06	573.07	572.94	573.21	573.06	572.40	572.15	572.00	571.50
2	573.36	572.97	571.99	571.98	573.14	573.08	573.26	572.78	572.66	571.41	571.99	570.98
3	573.13	572.82	572.56	572.86	573.32	572.97	572.97	573.01	572.79	572.10	571.79	571.74
4	573.38	572.91	572.87	572.66	573.30	572.89	573.08	572.90	572.74	571.88	571.63	571.41
5	573.43	572.94	573.09	572.94	573.05	572.94	573.27	573.02	572.64	571.99	570.88	571.27
6	573.37	572.90	572.90	573.02	573.02	573.13	573.08	572.96	572.61	571.79	571.10	571.59
7	572.86	573.02	572.81	573.06	573.02	572.85	573.05	572.83	572.58	571.62	571.44	571.94
8	572.89	571.71	572.90	573.12	573.06	572.68	573.01	573.00	572.49	571.82	571.57	571.73
9	573.34	572.81	572.91	573.19	572.97	572.94	573.05	572.86	572.39	571.87	571.60	571.27
10	573.33	572.85	573.45	573.21	572.95	572.95	573.00	572.83	572.75	572.04	571.87	571.57
11	572.47	573.20	573.22	573.29	573.00	573.04	573.04	573.25	572.58	572.06	571.65	571.69
12	572.61	572.87	572.80	573.18	573.04	572.79	573.04	573.07	572.59	571.90	571.22	570.71
13	573.20	573.10	572.94	573.30	573.26	572.95	572.88	572.90	572.43	572.10	571.37	571.08
14	573.14	573.39	573.19	573.50	573.03	572.90	572.89	572.88	572.55	571.98	571.64	571.62
15	573.04	573.25	573.42	573.34	573.05	572.96	573.23	572.83	572.61	571.97	571.82	571.40
16	573.26	573.41	573.11	573.47	573.07	572.93	573.20	572.72	572.56	572.03	571.81	569.95
17	573.54	573.48	572.84	573.33	573.01	573.22	573.08	572.45	572.62	571.52	571.80	571.39
18	573.19	572.98	573.01	573.19	573.31	572.99	572.97	572.64	572.57	571.81	570.70	571.70
19	573.81	572.91	572.84	573.23	573.50	572.96	572.98	572.43	572.51	571.86	570.89	571.53
20	572.93	572.87	572.69	573.22	573.18	573.14	572.72	572.73	572.54	571.71	571.01	571.31
21	572.84	572.86	572.73	573.15	573.18	573.17	572.91	572.56	572.39	571.23	571.04	571.10
22	573.22	572.84	572.71	573.64	573.05	572.89	572.94	572.38	572.43	571.82	571.59	571.73
23	572.04	572.71	572.86	573.17	572.92	573.05	572.92	572.46	572.07	571.53	571.41	571.55
24	572.69	572.79	572.96	573.15	573.15	573.09	572.88	572.56	572.36	571.50	571.24	571.94
25	573.33	572.83	572.77	573.40	573.25	573.10	572.85	572.45	572.35	571.77	571.86	571.70
26	573.33	572.88	572.63	573.29	573.09	572.71	572.76	572.94	572.21	572.00	571.90	571.75
27	573.17	573.10	572.79	573.04	573.05	572.64	573.01	572.81	572.35	571.62	572.31	571.72
28	573.04	573.19	572.72	572.81	573.00	572.77	572.86	572.95	572.35	571.59	572.05	572.48
29	573.46		572.85	572.95	573.00	572.84	572.94	572.69	572.13	571.77	571.66	571.64
30	572.74		572.64	572.85	572.96	572.86	572.75	572.71	571.80	571.66	571.02	572.01
31	572.93		572.37		572.98		573.10	572.21		572.00		571.27
MEAN	573.11	572.95	572.85	573.12	573.10	572.95	573.00	572.77	572.47	571.81	571.53	571.49
MAX.	575.45	574.14	573.84	574.22	574.80	574.87	573.65	573.94	573.21	572.80	572.77	574.39
	1400/19	0700/17	1400/15	1100/22	1900/30	1500/02	1300/15	2300/26	0500/02	0400/03	0300/27	0800/15
MIN.	570.52	570.38	570.73	571.00	572.09	572.14	572.19	571.84	571.30	570.44	569.67	567.70
	0100/12	1600/08	0600/02	1600/02	2100/30	1300/28	0800/26	2200/19	1700/30	1200/21	1300/18	2300/15

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

/ Indicates No Data.

ANNUAL MEAN: 572.60

ANNUAL SUMMARY OF LEVELS, 1987

Station 4030: Wyandotte, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	574.42	Jan	Monthly mean elevation:	572.88	Nov
Daily mean elevation:	574.90	19 Jan	Daily mean elevation:	572.14	16 Dec
Instant/hourly Elevation:	576.06	1400/19 Jan	Instant/hourly Elevation:	571.25	2400/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.90	19 Jan
574.59	1 Feb
574.60	10 Mar
574.62	22 Apr
574.52	19 May
574.37	21 Jun
574.42	5 Jul
574.30	11 Aug
573.96	3 Sep
573.42	3 Oct
573.45	27 Nov
573.59	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.78	23 Jan
573.60	8 Feb
573.39	20 Mar
573.54	2 Apr
574.11	9 May
574.00	8 Jun
574.03	20 Jul
573.64	31 Aug
573.27	30 Sep
572.77	21 Oct
572.29	18 Nov
572.14	16 Dec

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.
574.80	1												574.80	1
574.60	4			1									574.60	6
574.40	15	2	2	13	3		1						574.40	42
574.20	6	7	3	9	19	11	16	3					574.20	116
574.00	4	9	9	6	9	18	14	14					574.00	199
573.80		4	10			1		10	11				573.80	235
573.60	1	5	1					4	13				573.60	259
573.40		1	5	1					5	1	1	1	573.40	274
573.20			1						1	12	3	1	573.20	292
573.00										13	7	9	573.00	321
572.80										4	8	11	572.80	344
572.60										1	4	5	572.60	354
572.40											5	2	572.40	361
572.20											2	1	572.20	364
572.00												1	572.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4030: Wyandotte, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	574.60	574.59	573.98	574.18	574.27	574.18	574.38	574.20	573.73	573.40	573.24	572.90
2	574.60	574.44	573.49	573.54	574.31	574.26	574.40	574.02	573.89	572.96	573.23	572.58
3	574.43	574.27	573.98	574.10	574.41	574.23	574.21	574.13	573.96	573.42	573.08	573.01
4	574.57	574.22	574.18	574.19	574.42	574.21	574.30	574.12	573.93	573.26	572.96	572.86
5	574.59	574.25	574.34	574.37	574.28	574.20	574.42	574.21	573.85	573.24	572.58	572.76
6	574.54	574.19	574.20	574.36	574.21	574.30	574.27	574.12	573.81	573.17	572.66	572.93
7	574.22	574.22	574.13	574.41	574.24	574.08	574.26	574.02	573.79	573.07	572.83	573.10
8	574.22	573.60	574.18	574.44	574.23	574.00	574.22	574.12	573.75	573.16	572.91	572.98
9	574.46	574.15	574.45	574.44	574.11	574.17	574.25	574.08	573.68	573.13	572.96	572.68
10	574.54	574.16	574.60	574.43	574.16	574.16	574.23	574.11	573.87	573.31	573.14	572.86
11	574.02	574.30	574.37	574.43	574.15	574.18	574.25	574.30	573.81	573.33	573.01	572.94
12	574.03	574.10	574.03	574.40	574.26	574.05	574.23	574.22	573.82	573.23	572.70	572.35
13	574.40	574.23	574.02	574.41	574.34	574.18	574.17	574.09	573.73	573.33	572.76	572.53
14	574.34	574.28	574.16	574.56	574.21	574.10	574.19	574.06	573.78	573.21	572.93	572.89
15	574.32	574.09	574.22	574.49	574.27	574.18	574.38	574.00	573.81	573.24	573.05	572.91
16	574.50	574.09	573.91	574.56	574.24	574.17	574.37	573.93	573.80	573.25	573.00	572.14
17	574.68	574.08	573.53	574.46	574.19	574.32	574.26	573.78	573.82	572.93	572.96	572.89
18	574.46	573.76	573.54	574.39	574.37	574.20	574.19	573.89	573.81	573.06	572.29	573.03
19	574.90	573.68	573.42	574.40	574.52	574.18	574.16	573.78	573.76	573.16	572.35	572.93
20	574.27	573.68	573.39	574.38	574.33	574.27	574.03	573.95	573.75	573.10	572.53	572.80
21	574.16	573.76	573.60	574.37	574.30	574.37	574.14	573.83	573.66	572.77	572.54	572.68
22	574.41	573.83	573.72	574.62	574.21	574.23	574.17	573.81	573.69	573.03	572.82	573.03
23	573.78	573.75	573.89	574.36	574.16	574.31	574.14	573.84	573.45	572.91	572.68	572.95
24	574.13	573.83	574.01	574.44	574.29	574.31	574.09	573.90	573.64	572.96	572.58	573.19
25	574.71	573.91	573.90	574.49	574.34	574.29	574.16	573.80	573.63	573.08	573.11	573.07
26	574.73	574.00	573.84	574.41	574.25	574.10	574.11	574.12	573.52	573.21	573.18	573.12
27	574.42	574.11	573.99	574.25	574.22	574.01	574.22	574.12	573.60	573.02	573.45	573.08
28	574.41	574.20	573.96	574.10	574.20	574.04	574.13	574.15	573.58	573.02	573.28	573.59
29	574.67		574.04	574.14	574.18	574.07	574.14	573.98	573.45	573.09	573.02	573.12
30	574.44		573.97	574.17	574.16	574.14	574.05	573.92	573.27	573.02	572.56	573.21
31	574.57		573.83		574.20		574.22	573.64		573.24		572.69
MEAN	574.42	574.06	573.96	574.34	574.26	574.18	574.22	574.01	573.72	573.14	572.88	572.90
MAX.	576.06	574.77	574.88	574.88	574.94	574.70	574.61	574.65	574.14	573.78	573.71	574.85
	1400/19	0100/05	0200/10	1100/22	1900/30	1800/21	1300/15	2300/26	0500/02	0400/03	0300/27	0800/15
MIN.	573.15	573.02	572.96	573.15	573.55	573.73	573.79	573.43	573.03	572.40	571.82	571.25
	0100/12	1400/08	0700/02	1600/02	2100/30	1200/08	0800/20	2100/31	1800/30	1200/21	1300/18	2400/15

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

/ Indicates No Data.

ANNUAL MEAN: 573.84

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	574.93	Jan	573.35	Nov
Daily mean elevation:	575.39	29 Jan	572.80	16 Dec
Instant/hourly Elevation:	576.05	1400/19 Jan	572.11	2400/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
575.39	29 Jan
575.05	1 Feb
574.97	10 Mar
574.96	22 Apr
574.88	19 May
574.79	21 Jun
574.83	5 Jul
574.69	11 Aug
574.40	3 Sep
573.89	3 Oct
573.85	27 Nov
573.98	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.40	23 Jan
573.97	19 Feb
573.62	19 Mar
574.09	2 Apr
574.52	9 May
574.45	8 Jun
574.51	20 Jul
574.16	31 Aug
573.77	30 Sep
573.30	21 Oct
572.82	18 Nov
572.80	16 Dec

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	5												575.20	5
575.00	7	1											575.00	13
574.80	9	1	2	16	2		2						574.80	45
574.60	7	10	5	8	20	15	20	4					574.60	134
574.40	2	4	9	5	9	15	9	15					574.40	202
574.20	1	5	7					11	17				574.20	243
574.00		5	3	1				1	9				574.00	262
573.80		2	1						3	2	1	1	573.80	272
573.60			4						1	14	3	3	573.60	297
573.40										13	10	10	573.40	330
573.20										2	7	11	573.20	350
573.00											7	4	573.00	361
572.80											2	1	572.80	364
572.60												1	572.60	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	575.04	575.05	574.43	574.58	574.68	574.60	574.79	574.61	574.21	573.86	573.71	573.39
2	575.04	574.90	574.09	574.09	574.71	574.68	574.82	574.47	574.35	573.52	573.67	573.11
3	574.90	574.75	574.53	574.52	574.79	574.67	574.66	574.56	574.40	573.89	573.55	573.46
4	575.00	574.70	574.70	574.67	574.81	574.65	574.75	574.55	574.37	573.76	573.44	573.35
5	575.01	574.72	574.80	574.80	574.69	574.63	574.83	574.62	574.30	573.71	573.13	573.27
6	574.96	574.65	574.67	574.81	574.62	574.70	574.71	574.54	574.26	573.66	573.20	573.40
7	574.69	574.66	574.59	574.86	574.64	574.52	574.69	574.46	574.23	573.60	573.34	573.52
8	574.70	574.18	574.63	574.89	574.63	574.45	574.66	574.54	574.20	573.66	573.39	573.43
9	574.88	574.63	574.93	574.89	574.52	574.60	574.68	574.53	574.15	573.60	573.45	573.19
10	574.97	574.62	574.97	574.86	574.58	574.60	574.68	574.56	574.29	573.78	573.58	573.33
11	574.55	574.70	574.77	574.84	574.56	574.60	574.70	574.69	574.26	573.80	573.48	573.38
12	574.54	574.54	574.46	574.82	574.66	574.51	574.67	574.63	574.25	573.72	573.21	572.91
13	574.83	574.65	574.41	574.83	574.72	574.60	574.63	574.52	574.21	573.79	573.25	573.04
14	574.78	574.68	574.51	574.93	574.61	574.54	574.64	574.48	574.23	573.66	573.38	573.35
15	574.78	574.51	574.52	574.88	574.69	574.62	574.80	574.44	574.25	573.68	573.47	573.38
16	574.94	574.39	574.18	574.94	574.65	574.60	574.80	574.37	574.24	573.70	573.42	572.80
17	575.09	574.34	573.76	574.86	574.59	574.71	574.69	574.25	574.26	573.43	573.38	573.40
18	574.91	574.06	573.71	574.81	574.75	574.62	574.63	574.35	574.27	573.53	572.82	573.50
19	575.28	573.97	573.62	574.80	574.88	574.60	574.60	574.28	574.22	573.62	572.86	573.41
20	574.76	574.00	573.63	574.78	574.72	574.68	574.51	574.39	574.19	573.58	573.04	573.30
21	574.68	574.08	573.91	574.79	574.70	574.79	574.58	574.30	574.13	573.30	573.04	573.22
22	574.87	574.15	574.06	574.96	574.60	574.70	574.62	574.33	574.15	573.49	573.26	573.50
23	574.40	574.12	574.25	574.78	574.57	574.76	574.58	574.35	573.94	573.40	573.13	573.45
24	574.67	574.22	574.38	574.84	574.68	574.75	574.53	574.38	574.10	573.45	573.10	573.64
25	575.19	574.29	574.31	574.85	574.71	574.72	574.63	574.30	574.10	573.56	573.52	573.55
26	575.31	574.37	574.27	574.79	574.66	574.57	574.58	574.53	573.99	573.65	573.60	573.60
27	575.30	574.53	574.40	574.65	574.62	574.48	574.67	574.59	574.06	573.50	573.85	573.56
28	575.23	574.59	574.39	574.54	574.60	574.50	574.58	574.59	574.04	573.53	573.71	573.98
29	575.39		574.45	574.56	574.59	574.52	574.58	574.46	573.92	573.57	573.50	573.61
30	575.10		574.42	574.60	574.56	574.62	574.52	574.38	573.77	573.51	573.09	573.64
31	575.06		574.32		574.62		574.64	574.16		573.68		573.20
MEAN	574.93	574.47	574.36	574.76	574.66	574.62	574.66	574.46	574.18	573.62	573.35	573.38
MAX.	576.05	575.21	575.21	575.17	575.14	575.10	574.97	574.98	574.54	574.13	574.03	575.02
	1400/19	0100/01	0200/10	1200/22	0100/19	1800/21	1300/15	2300/26	0600/02	0500/03	0400/27	0800/15
MIN.	573.93	573.72	573.47	573.85	574.09	574.19	574.23	573.95	573.64	573.05	572.45	572.11
	2200/11	1400/08	2400/19	1700/02	2100/30	1200/08	2300/20	1800/17	2100/30	1300/21	1200/18	2400/15

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

/ Indicates No Data.

ANNUAL MEAN: 574.29

ANNUAL SUMMARY OF LEVELS, 1987

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	575.84	Jan	574.24	Nov	
Daily mean elevation:	576.12	29 Jan	573.79	19 Nov	
Instant/hourly Elevation:	576.50	1300/19 Jan	572.75	1300/15 Dec	

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
576.12	29 Jan
575.89	1 Feb
576.10	9 Mar
575.86	8 Apr
575.64	4 May
575.62	23 Jun
575.62	15 Jul
575.45	11 Aug
575.21	3 Sep
574.78	3 Oct
574.62	27 Nov
574.77	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
575.60	12 Jan
574.57	19 Feb
574.07	19 Mar
575.16	2 Apr
575.36	9 May
575.37	29 Jun
575.38	24 Jul
575.10	31 Aug
574.73	30 Sep
574.26	22 Oct
573.79	19 Nov
573.94	12 Dec

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	5		1										576.00	6
575.80	13	1	1	5									575.80	26
575.60	11	5	4	18	3	1	6						575.60	74
575.40	2	9	3	5	26	24	22	6					575.40	171
575.20		3	10	1	2	5	3	19	2				575.20	216
575.00		1	5	1				6	19				575.00	248
574.80		4	1						7				574.80	260
574.60		3	1						2	5	1	1	574.60	273
574.40		2	1							19	5	6	574.40	306
574.20			1							7	11	15	574.20	340
574.00			3								10	8	574.00	361
573.80											2	1	573.80	364
573.60											1		573.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	575.95	575.89	575.39	575.39	575.55	575.49	575.61	575.40	575.11	574.65	574.54	574.32
2	575.96	575.77	575.29	575.16	575.58	575.53	575.61	575.33	575.21	574.52	574.50	574.13
3	575.87	575.71	575.58	575.46	575.62	575.56	575.51	575.35	575.21	574.78	574.40	574.32
4	575.91	575.67	575.68	575.83	575.64	575.57	575.62	575.40	575.18	574.68	574.32	574.32
5	575.90	575.66	575.70	575.80	575.56	575.54	575.62	575.45	575.14	574.53	574.19	574.25
6	575.82	575.60	575.62	575.79	575.51	575.53	575.53	575.33	575.08	574.56	574.19	574.29
7	575.70	575.59	575.54	575.84	575.51	575.39	575.53	575.28	575.06	574.52	574.28	574.34
8	575.68	575.47	575.58	575.86	575.49	575.37	575.51	575.35	575.05	574.55	574.28	574.28
9	575.76	575.66	576.10	575.83	575.36	575.47	575.53	575.37	575.01	574.40	574.36	574.06
10	575.85	575.56	575.83	575.78	575.46	575.46	575.51	575.41	575.07	574.63	574.45	574.20
11	575.60	575.58	575.63	575.70	575.42	575.42	575.53	575.45	575.11	574.63	574.36	574.21
12	575.60	575.50	575.37	575.71	575.55	575.41	575.49	575.41	575.08	574.60	574.19	573.94
13	575.70	575.53	575.21	575.69	575.51	575.46	575.52	575.33	575.07	574.59	574.16	574.01
14	575.67	575.45	575.25	575.74	575.47	575.39	575.57	575.29	575.06	574.48	574.26	574.23
15	575.74	575.22	575.14	575.74	575.58	575.48	575.62	575.23	575.07	574.53	574.30	574.12
16	575.87	574.95	574.76	575.75	575.49	575.47	575.61	575.21	575.08	574.51	574.23	574.07
17	575.95	574.82	574.30	575.72	575.45	575.51	575.51	575.17	575.05	574.30	574.12	574.39
18	575.86	574.64	574.12	575.67	575.55	575.46	575.47	575.21	575.11	574.33	573.83	574.36
19	576.11	574.57	574.07	575.67	575.61	575.46	575.42	575.17	575.06	574.48	573.79	574.34
20	575.72	574.58	574.18	575.63	575.54	575.49	575.39	575.24	575.02	574.47	574.02	574.24
21	575.62	574.65	574.56	575.70	575.51	575.59	575.45	575.13	574.98	574.26	574.04	574.20
22	575.76	574.76	574.82	575.72	575.45	575.59	575.47	575.27	575.02	574.26	574.06	574.37
23	575.63	574.86	575.02	575.65	575.48	575.62	575.43	575.28	574.86	574.33	573.96	574.40
24	575.70	575.00	575.16	575.81	575.50	575.58	575.38	575.28	574.98	574.34	574.02	574.48
25	575.88	575.11	575.14	575.68	575.52	575.55	575.52	575.20	574.97	574.43	574.32	574.46
26	575.98	575.22	575.17	575.61	575.48	575.52	575.50	575.33	574.86	574.47	574.47	574.51
27	576.05	575.34	575.28	575.53	575.45	575.41	575.51	575.44	574.89	574.41	574.62	574.47
28	576.06	575.41	575.29	575.47	575.45	575.39	575.47	575.41	574.86	574.44	574.54	574.77
29	576.12		575.33	575.47	575.44	575.37	575.41	575.31	574.77	574.44	574.37	574.60
30	576.02		575.38	575.54	575.40	575.48	575.39	575.19	574.73	574.41	574.09	574.46
31	575.97		575.37		575.48		575.43	575.10		574.51		574.10
MEAN	575.84	575.28	575.19	575.66	575.50	575.49	575.51	575.30	575.02	574.49	574.24	574.30
MAX.	576.50	575.98	576.18	576.12	575.86	575.91	575.74	575.67	575.28	574.84	574.70	575.30
	1300/19	0300/01	2200/09	1700/04	2400/11	0300/04	1600/26	1600/04	0100/03	0500/03	0200/27	0800/15
MIN.	575.11	574.54	573.99	574.95	574.83	575.20	575.17	574.91	574.40	573.98	573.61	572.75
	2200/11	0800/20	1300/19	1200/02	1900/30	1300/27	1400/24	1600/21	1900/30	1900/22	1400/19	1300/15

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

/ Indicates No Data.

ANNUAL MEAN: 575.15

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	576.05	Jan	574.46	Nov
Daily mean elevation:	576.28	29 Jan	574.13	19 Nov
Instant/hourly Elevation:	576.37	1300/19 Jan	573.86	0100/21 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
576.28	29 Jan
576.13	1 Feb
575.96	9 Mar
576.05	8 Apr
575.79	4 May
575.78	23 Jun
575.79	5 Jul
575.57	27 Aug
575.37	3 Sep
574.92	1 Oct
574.73	28 Nov
574.84	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
575.85	12 Jan
574.78	20 Feb
574.15	19 Mar
575.45	2 Apr
575.59	9 May
575.57	8 Jun
575.55	30 Jul
575.30	31 Aug
574.90	30 Sep
574.53	21 Oct
574.13	19 Nov
574.28	13 Dec

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.
576.20	4												576.20	4
576.00	15	2		3									576.00	24
575.80	12	8	5	16									575.80	65
575.60		5	5	9	29	21	25						575.60	159
575.40		3	7	2	2	9	6	26					575.40	214
575.20		3	6					5	19				575.20	247
575.00		2	1						9				575.00	259
574.80		4	2						2	5		1	574.80	273
574.60		1	1							20	6	9	574.60	310
574.40										6	16	16	574.40	348
574.20			2								4	5	574.20	359
574.00			2								4		574.00	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	576.14	576.13	575.75	575.65	575.74	575.67	575.75	575.57	575.30	574.92	574.73	574.49
2	576.13	576.01	575.57	575.45	575.74	575.73	575.76	575.51	575.36	574.77	574.68	574.39
3	576.06	575.92	575.76	575.60	575.78	575.73	575.72	575.51	575.37	574.89	574.63	574.53
4	576.10	575.88	575.88	575.71	575.79	575.75	575.77	575.53	575.36	574.90	574.54	574.46
5	576.10	575.89	575.90	575.89	575.75	575.69	575.79	575.56	575.32	574.83	574.42	574.44
6	576.05	575.84	575.83	575.96	575.70	575.70	575.74	575.52	575.27	574.80	574.44	574.51
7	575.90	575.81	575.76	576.03	575.68	575.60	575.72	575.47	575.24	574.73	574.51	574.55
8	575.92	575.57	575.77	576.05	575.67	575.57	575.70	575.50	575.22	574.74	574.51	574.49
9	575.98	575.88	575.96	576.03	575.59	575.60	575.69	575.55	575.19	574.70	574.51	574.38
10	576.08	575.83	575.94	575.97	575.66	575.63	575.70	575.55	575.25	574.80	574.59	574.41
11	575.86	575.80	575.79	575.92	575.62	575.62	575.72	575.57	575.30	574.82	574.54	574.47
12	575.85	575.75	575.55	575.89	575.68	575.58	575.71	575.56	575.27	574.80	574.45	574.28
13	575.93	575.80	575.39	575.87	575.69	575.62	575.67	575.52	575.26	574.79	574.41	574.28
14	575.90	575.84	575.40	575.92	575.63	575.58	575.68	575.48	575.25	574.71	574.44	574.44
15	575.92	575.63	575.23	575.92	575.74	575.62	575.77	575.45	575.27	574.73	574.48	574.59
16	576.04	575.29	574.86	575.93	575.69	575.62	575.78	575.42	575.27	574.71	574.43	574.37
17	576.14	575.09	574.38	575.89	575.64	575.65	575.71	575.36	575.27	574.56	574.42	574.58
18	576.05	574.94	574.19	575.87	575.72	575.61	575.65	575.40	575.28	574.58	574.16	574.63
19	576.18	574.83	574.15	575.83	575.76	575.60	575.61	575.36	575.25	574.65	574.13	574.60
20	576.02	574.78	574.28	575.80	575.71	575.64	575.58	575.42	575.22	574.65	574.19	574.55
21	575.95	574.81	574.70	575.81	575.70	575.74	575.62	575.37	575.18	574.53	574.18	574.50
22	576.00	574.94	574.98	575.83	575.65	575.75	575.62	575.44	575.18	574.55	574.32	574.62
23	575.91	575.08	575.18	575.82	575.65	575.78	575.60	575.45	575.09	574.55	574.23	574.64
24	575.99	575.24	575.34	575.84	575.67	575.74	575.56	575.45	575.16	574.55	574.25	574.72
25	576.09	575.37	575.36	575.80	575.68	575.70	575.69	575.41	575.12	574.62	574.46	574.65
26	576.15	575.47	575.39	575.79	575.66	575.69	575.65	575.52	575.09	574.68	574.61	574.69
27	576.21	575.58	575.47	575.72	575.64	575.58	575.67	575.57	575.10	574.62	574.73	574.67
28	576.26	575.69	575.48	575.66	575.63	575.59	575.63	575.54	575.06	574.65	574.73	574.84
29	576.28		575.52	575.67	575.61	575.58	575.58	575.50	575.00	574.64	574.60	574.68
30	576.25		575.53	575.71	575.60	575.66	575.55	575.41	574.90	574.63	574.40	574.70
31	576.19		575.53		575.68		575.57	575.30		574.68		574.45
MEAN	576.05	575.52	575.35	575.83	575.68	575.65	575.68	575.48	575.21	574.70	574.46	574.54
MAX.	576.37	576.22	576.11	576.14	576.00	575.93	575.87	575.72	575.45	575.01	574.88	575.48
	1300/19	0300/01	2100/09	2000/08	2400/11	0300/04	1600/03	1900/26	2000/02	1200/01	1900/28	1000/15
MIN.	575.63	574.77	574.09	575.32	575.09	575.42	575.26	575.14	574.49	574.34	573.86	573.99
	2100/11	2300/20	1000/19	1200/02	2000/30	1900/27	2000/24	2000/31	1600/30	1900/22	0100/21	1200/15

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

/ Indicates No Data.

ANNUAL MEAN: 575.35

ANNUAL SUMMARY OF LEVELS, 1987
Station 4070: Algonac, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	576.69	Jan	575.00	Dec
Daily mean elevation:	577.39	13 Mar	574.85	24 Nov
Instant/hourly Elevation:	577.70	2200/14 Mar	574.68	0200/23 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.36	25 Jan
577.19	14 Feb
577.39	13 Mar
576.45	8 Apr
576.20	1 May
576.24	22 Jun
576.26	3 Jul
576.04	23 Aug
575.90	1 Sep
575.65	1 Oct
575.23	4 Nov
575.00	1 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
576.46	14 Jan
576.03	26 Feb
575.44	21 Mar
575.96	4 Apr
576.07	29 May
576.07	19 Jun
576.03	31 Jul
575.94	31 Aug
575.58	28 Sep
575.16	19 Oct
574.85	24 Nov
575.00	1 Dec

~~~~~~~~~~~~ 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.
577.20	2		3										577.20	5
577.00	3	1											577.00	9
576.80	3	4	2										576.80	18
576.60	4	7											576.60	29
576.40	19	6		3									576.40	57
576.20		5	10	22		4	13						576.20	111
576.00		5	4	4	31	26	18	11					576.00	210
575.80			5	1				20	4				575.80	240
575.60			3						24	1			575.60	268
575.40			4						2	6			575.40	280
575.20										17	2		575.20	299
575.00										3	17		575.00	319
574.80											11	1	574.80	331
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4070: Algonac, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	576.57	576.93	576.23	576.28	576.20	576.14	576.18	576.04	575.90	575.65	575.18	575.00*
2	576.58	576.90	576.37	576.27	576.17	576.17	576.18	576.03	575.85	575.60	575.17	/
3	576.61	576.68	576.36	576.10	576.16	576.21	576.26	576.02	575.84	575.45	575.20	/
4	576.58	576.52	576.37	575.96	576.17	576.18	576.23	576.02	575.82	575.53	575.23	/
5	576.57	576.43	576.32	576.21	576.19	576.17	576.22	575.98	575.80	575.56	575.20	/
6	576.57	576.39	576.27	576.39	576.18	576.14	576.24	576.01	575.79	575.45	575.22	/
7	576.53	576.34	576.26	576.45	576.16	576.17	576.24	576.02	575.74	575.38	575.16	/
8	576.56	576.45	576.24	576.45	576.16	576.14	576.22	575.98	575.75	575.38	575.14	/
9	576.52	576.56	576.04	576.44	576.19	576.08	576.21	576.03	575.73	575.51	575.06	/
10	576.57	576.97	576.31	576.38	576.15	576.11	576.23	576.00	575.75	575.33	575.08	/
11	576.59	576.72	576.92	576.36	576.16	576.12	576.24	576.02	575.76	575.35	575.10	/
12	576.50	576.63	577.37	576.31	576.08	576.11	576.22	576.00	575.79	575.34	575.14	/
13	576.47	576.73	577.39	576.29	576.12	576.09	576.20	575.99	575.77	575.32	575.05	/
14	576.46	577.19	577.33	576.27	576.13	576.11	576.21	575.97	575.78	575.33	574.99	/
15	576.48	576.61	576.94	576.30	576.13	576.07	576.22	575.98	575.78	575.25	574.95	/
16	576.51	576.25	575.66	576.31	576.13	576.08	576.22	575.99	575.75	575.21	574.89	/
17	576.52	576.21	575.44	576.31	576.13	576.10	576.20	575.98	575.76	575.31	574.99	/
18	576.55	576.36	575.57	576.30	576.12	576.09	576.17	575.96	575.74	575.25	575.10	/
19	576.51	576.58	576.08	576.27	576.14	576.07	576.16	575.97	575.76	575.16	575.09	/
20	576.74	576.65	576.30	576.23	576.14	576.10	576.17	575.95	575.76	575.19	574.90	/
21	576.66	576.74	575.44	576.17	576.10	576.14	576.14	576.01	575.74	/	574.90	/
22	576.55	576.81	575.53	576.23	576.10	576.24	576.13	576.04	575.70	/	574.97	/
23	576.66	576.42	575.69	576.26	576.08	576.21	576.12	576.04	575.76	/	574.90	/
24	576.86	576.08	575.79	576.12	576.07	576.20	576.14	575.99	575.69	/	574.85	/
25	577.36	576.03	575.93	576.18	576.09	576.18	576.18	575.97	575.68	575.28*	574.91	/
26	577.28	576.03	575.99	576.21	576.08	576.21	576.17	575.94	575.70	575.28	574.99	/
27	577.05	576.05	575.96	576.21	576.08	576.20	576.13	575.98	575.61	575.25	575.05	/
28	577.10	576.07	575.97	576.25	576.07	576.18	576.12	575.99	575.58	575.26	575.06	/
29	577.03		575.98	576.25	576.07	576.17	576.09	576.00	575.63	575.25	575.10	/
30	576.98		576.03	576.22	576.11	576.16	576.06	576.00	575.59	575.26	575.20	/
31	576.98		576.17		576.15		576.03	575.94		575.20		/
MEAN	576.69	576.51	576.20	576.27	576.13	576.14	576.18	575.99	575.74	575.35	575.06	575.00
MAX.	577.60	577.57	577.70	576.51	576.61	576.36	576.41	576.27	575.96	576.06	575.39	575.03
	1900/25	1600/14	2200/14	1400/27	2000/30	0100/04	1400/03	1500/21	1600/01	2400/01	2400/04	1200/01
MIN.	576.31	575.99	575.15	575.77	575.78	575.96	575.98	575.79	575.31	575.08	574.68	574.93
	1200/19	1000/25	1300/17	1800/04	0200/12	0200/15	2100/24	0800/02	1700/30	2000/19	0200/23	0100/01

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

/ Indicates No Data.

ANNUAL MEAN: 575.94

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.24	Feb	576.49	Nov
Daily mean elevation:	579.65	16 Mar	576.21	23 Nov
Instant/hourly Elevation:	580.01	1600/16 Mar	576.07	0100/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.69	25 Jan
579.63	16 Feb
579.65	16 Mar
577.90	7 Apr
577.66	1 May
577.74	22 Jun
577.79	14 Jul
577.63	23 Aug
577.40	1 Sep
577.16	2 Oct
576.81	5 Nov
576.75	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.90	22 Jan
577.47	28 Feb
577.14	21 Mar
577.58	1 Apr
577.49	19 May
577.54	18 Jun
577.45	31 Jul
577.36	30 Aug
577.00	28 Sep
576.57	16 Oct
576.21	23 Nov
576.23	8 Dec

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	1										579.60	3
579.40			1										579.40	4
579.20		2											579.20	6
579.00			1										579.00	7
578.80		1	2										578.80	10
578.60	2	1											578.60	13
578.40		1	2										578.40	16
578.20	5	3	1										578.20	25
578.00	18	9	2										578.00	54
577.80	6	2	4	5									577.80	71
577.60		2	7	24	13	23	22	2					577.60	164
577.40		5	5	1	18	7	9	20					577.40	229
577.20			3					9	10				577.20	251
577.00			2						19	4			577.00	276
576.80									1	8	1		576.80	286
576.60										17	6	8	576.60	317
576.40										2	15	19	576.40	353
576.20											8	4	576.20	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 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	578.07	578.14	577.49	577.58	577.66	577.62	577.66	577.41	577.40	577.05	576.55	576.50
2	578.09	578.20	577.80	577.61	577.64	577.62	577.66	577.41	577.36	577.16	576.49	576.54
3	578.15	578.07	577.96	577.61	577.63	577.71	577.71	577.47	577.31	577.08	576.59	576.54
4	578.07	578.05	577.82	577.85	577.64	577.70	577.73	577.56	577.26	577.01	576.65	576.56
5	578.02	577.84	577.68	577.88	577.62	577.67	577.66	577.48	577.20	576.91	576.81	576.59
6	577.91	577.82	577.68	577.89	577.63	577.59	577.67	577.43	577.15	576.90	576.75	576.47
7	578.09	577.78	577.68	577.90	577.63	577.61	577.68	577.42	577.16	576.92	576.67	576.34
8	578.07	578.38	577.76	577.85	577.58	577.68	577.65	577.43	577.20	576.94	576.58	576.23
9	578.01	578.01	577.89	577.80	577.61	577.69	577.62	577.40	577.21	576.85	576.62	576.34
10	578.02	578.29	577.70	577.74	577.61	577.64	577.62	577.47	577.19	576.93	576.64	576.48
11	578.06	578.03	578.16	577.69	577.54	577.57	577.64	577.44	577.12	576.83	576.55	576.38
12	578.10	578.04	578.52	577.72	577.63	577.62	577.63	577.39	577.17	576.84	576.57	576.46
13	577.91	578.12	578.44	577.72	577.53	577.61	577.73	577.39	577.21	576.71	576.48	576.51
14	577.90	578.46	578.40	577.65	577.53	577.61	577.79	577.37	577.22	576.71	576.49	576.44
15	578.05	579.63	579.14	577.68	577.64	577.63	577.70	577.40	577.20	576.69	576.35	576.63
16	578.07	579.63	579.65	577.75	577.55	577.61	577.67	577.44	577.14	576.57	576.24	576.73
17	577.96	579.40	579.00	577.72	577.59	577.59	577.59	577.45	577.15	576.66	576.26	576.67
18	578.01	579.24	579.53	577.71	577.58	577.54	577.60	577.48	577.12	576.75	576.53	576.54
19	578.07	578.96	578.99	577.69	577.49	577.58	577.54	577.52	577.14	576.68	576.50	576.57
20	578.00	578.74	578.07	577.65	577.57	577.58	577.60	577.50	577.15	576.78	576.62	576.51
21	578.02	578.38	577.14	577.70	577.52	577.59	577.66	577.43	577.12	576.72	576.54	576.67
22	577.90	578.05	577.19	577.66	577.59	577.74	577.60	577.62	577.15	576.69	576.28	576.62
23	578.18	577.80	577.28	577.68	577.61	577.70	577.59	577.63	577.21	576.64	576.21	576.58
24	578.28	577.59	577.31	577.72	577.59	577.64	577.63	577.52	577.22	576.70	576.36	576.47
25	578.69	577.52	577.36	577.65	577.57	577.63	577.65	577.47	577.18	576.74	576.42	576.58
26	578.67	577.51	577.48	577.65	577.53	577.69	577.69	577.37	577.16	576.59	576.46	576.64
27	578.33	577.49	577.46	577.63	577.55	577.70	577.63	577.40	577.01	576.71	576.43	576.65
28	578.38	577.47	577.47	577.79	577.55	577.67	577.61	577.44	577.00	576.74	576.34	576.52
29	578.26		577.45	577.73	577.54	577.61	577.51	577.40	577.06	576.69	576.37	576.75
30	578.19		577.65	577.75	577.57	577.66	577.57	577.36	577.22	576.69	576.48	576.47
31	578.36		577.86		577.63		577.45	577.44		576.67		576.45
MEAN	578.13	578.24	577.97	577.72	577.59	577.64	577.64	577.45	577.18	576.79	576.49	576.53
MAX.	578.94	580.01	580.01	578.23	578.09	577.95	578.10	577.95	577.47	577.35	577.11	577.21
	1500/25	2200/15	1600/16	1300/16	2200/11	0800/09	0400/21	1200/22	1600/01	2000/02	2400/04	1700/15
MIN.	577.70	577.37	577.06	577.34	577.25	577.35	576.88	577.00	576.87	576.37	576.07	576.07
	0300/22	1900/28	2400/21	1600/27	1600/11	1000/07	2300/20	0800/02	0900/28	2100/26	0900/23	0100/31

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

/ Indicates No Data.

ANNUAL MEAN: 577.45

ANNUAL SUMMARY OF LEVELS, 1987
Station 4084: Marysville, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.88	Feb	577.26	Dec
Daily mean elevation:	579.83	16 Feb	576.93	23 Nov
Instant/hourly Elevation:	580.87	1245/8 Feb	576.65	0200/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.28	25 Jan
579.83	16 Feb
578.79	3 Mar
578.65	7 Apr
578.47	12 May
578.55	22 Jun
578.64	14 Jul
578.45	23 Aug
578.20	1 Sep
578.01	2 Oct
577.69	5 Nov
577.56	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.61	22 Jan
578.24	28 Feb
578.19	1 Mar
578.39	14 Apr
578.27	19 May
578.33	18 Jun
578.24	31 Jul
578.06	30 Aug
577.76	27 Sep
577.33	16 Oct
576.93	23 Nov
576.95	8 Dec

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		2											579.80	2
579.60		1											579.60	3
579.40		1											579.40	4
579.20	1	2											579.20	7
579.00	3	1											579.00	11
578.80	17	7											578.80	35
578.60	10	7	1	2			1						578.60	56
578.40		2	2	19	9	21	21	2					578.40	132
578.20		5		3	22	9	9	15					578.20	195
578.00			1					14	7	1			578.00	218
577.80									21	1			577.80	240
577.60									2	9	1		577.60	252
577.40										16	8	4	577.40	280
577.20										4	11	16	577.20	311
577.00											7	9	577.00	327
576.80											3	1	576.80	331

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4084: Marysville, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.86	578.72	578.19	/	578.44	578.38	578.49	578.17	578.20	577.77	577.34	577.31
2	578.88	578.83	578.58	/	578.41	578.38	578.46	578.20	578.17	578.01	577.24	577.30
3	578.95	578.82	578.79	/	578.40	578.50	578.49	578.27	578.11	577.93	577.37	577.31
4	578.86	578.85	578.58	/	578.44	578.53	578.53	578.39	578.04	577.80	577.47	577.39
5	578.78	578.62	/	/	578.37	578.50	578.42	578.30	577.98	577.64	577.69	577.41
6	578.63	578.61	/	/	578.38	578.40	578.43	578.23	577.89	577.67	577.59	577.23
7	578.91	578.57	/	578.65*	578.42	578.38	578.46	578.22	577.95	577.77	577.48	577.07
8	578.85	579.38	/	578.59	578.37	578.51	578.44	578.22	577.99	577.79	577.41	576.95
9	578.81	578.76	/	578.52	578.38	578.53	578.43	578.19	578.02	577.56	577.49	577.03
10	578.79	578.93	/	578.46	578.42	578.46	578.39	578.25	577.97	577.76	577.49	577.26
11	578.84	578.69	/	578.39	578.32	578.34	578.42	578.21	577.89	577.61	577.35	577.10
12	578.94	578.74	/	578.47	578.47	578.42	578.40	578.13	577.93	577.62	577.38	577.16
13	578.67	578.84	/	578.46	578.31	578.41	578.55	578.13	577.99	577.46	577.27	577.28
14	578.67	578.98	/	578.39	578.31	578.41	578.64	578.11	578.00	577.45	577.31	577.23
15	578.87	579.82	/	578.41	578.45	578.46	578.50	578.12	577.95	577.50	577.13	577.19
16	578.89	579.83	/	578.45	578.30	578.43	578.43	578.20	577.91	577.33	576.97	577.50
17	578.73	579.71	/	578.46	578.37	578.42	578.31	578.25	577.89	577.41	576.96	577.48
18	578.78	579.59	/	578.47	578.36	578.33	578.38	578.31	577.85	577.52	577.31	577.23
19	578.89	579.38	/	578.42	578.27	578.41	578.31	578.30	577.87	577.50	577.26	577.29
20	578.67	579.19	/	578.40	578.34	578.38	578.43	578.30	577.90	577.59	577.56	577.14
21	578.73	578.93	/	578.52	578.29	578.39	578.43	578.17	577.87	577.49	577.42	577.36
22	578.61	578.67	/	578.46	578.35	578.55	578.41	578.44	577.94	577.40	577.01	577.34
23	578.98	578.53	/	578.46	578.41	578.50	578.38	578.45	577.99	577.40	576.93	577.31
24	579.03	578.40	/	578.55	578.39	578.43	578.41	578.32	578.06	577.53	577.20	577.18
25	579.28	578.34	/	578.45	578.37	578.41	578.43	578.25	577.99	577.53	577.25	577.33
26	579.13*	578.35	/	578.43	578.31	578.50	578.49	578.13	577.94	577.34	577.25	577.40
27	578.89	578.28	/	578.46	578.35	578.52	578.42	578.17	577.76	577.48	577.17	577.29*
28	578.97	578.24	/	578.61	578.35	578.48	578.42	578.20	577.79	577.53	577.02	/
29	578.90		/	578.55	578.36	578.40	578.30	578.15	577.84	577.46	577.01	577.56*
30	578.81		/	578.60	578.38	578.47	578.37	578.06	578.07	577.44	577.17	577.16
31	579.05		/		578.42		578.24	578.23		577.47		577.07
MEAN	578.86	578.88	578.54	578.48	578.37	578.44	578.43	578.23	577.96	577.57	577.28	577.26
MAX.	579.41	580.87	578.98	578.97	578.93	578.92	579.11	578.79	578.36	578.41	578.08	578.02
	1500/25	1245/08	1200/03	1200/21	2100/11	2400/03	2100/20	1200/22	2200/30	2100/02	2400/04	0600/29
MIN.	578.36	578.14	578.06	578.08	578.07	577.89	578.01	577.89	577.61	577.05	576.74	576.65
	0300/22	0700/28	0900/01	0700/29	0700/22	1000/07	2100/19	1100/30	1700/27	0900/09	0900/23	0200/31

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

/ Indicates No Data.

ANNUAL MEAN: 578.19

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.30	Jan	577.68	Dec
Daily mean elevation:	580.05	16 Mar	577.31	23 Nov
Instant/hourly Elevation:	581.55	1300/8 Feb	576.94	0200/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.66	25 Jan
579.98	15 Feb
580.05	16 Mar
579.44	4 Apr
578.95	12 May
579.00	22 Jun
579.11	14 Jul
578.93	23 Aug
578.65	1 Sep
578.46	2 Oct
578.18	5 Nov
577.95	17 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.04	22 Jan
578.68	28 Feb
578.59	1 Mar
578.69	1 Apr
578.70	21 May
578.76	18 Jun
578.69	31 Jul
578.46	30 Aug
578.17	27 Sep
577.73	16 Oct
577.31	23 Nov
577.33	8 Dec

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										580.00	2
579.80		4	1										579.80	7
579.60	1	1	1										579.60	10
579.40	6	2	1	1									579.40	20
579.20	16	8	6	1									579.20	51
579.00	8	7	5	7			1						579.00	79
578.80		3	3	19	16	28	22	3					578.80	173
578.60		3	9	2	15	2	7	19	1				578.60	231
578.40			3					9	10	2			578.40	255
578.20									17	3			578.20	275
578.00									2	8	3		578.00	288
577.80										15	7	7	577.80	317
577.60										3	12	14	577.60	346
577.40											3	8	577.40	357
577.20											5	2	577.20	364

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	579.33	579.07	578.59	578.69	578.88	578.81	578.93	578.60	578.65	578.16	577.75	577.77
2	579.36	579.21	579.02	578.73	578.89	578.82	578.90	578.66	578.60	578.46	577.65	577.75
3	579.42	579.25	579.29	578.91	578.88	578.94	578.92	578.73	578.52	578.42	577.77	577.75
4	579.31	579.32	579.02	579.44	578.89	578.99	578.98	578.81	578.43	578.23	577.89	577.85
5	579.24	579.07	578.80	579.28	578.85	578.96	578.85	578.74	578.39	578.03	578.18	577.87
6	579.05	579.05	578.80	579.15	578.85	578.85	578.85	578.67	578.29	578.10	578.03	577.66
7	579.38	579.01	578.85	579.14	578.89	578.81	578.89	578.68	578.37	578.20	577.91	577.48
8	579.31	579.94	579.02	579.04	578.80	578.94	578.84*	578.68	578.42	578.25	577.83	577.33
9	579.27	579.23	579.40	578.95	578.81	579.00	/	578.62	578.45	577.94	577.94	577.38
10	579.23	579.37	578.94	578.89	578.87	578.91	578.83*	578.69	578.38	578.22	577.96	577.68
11	579.30	579.12	579.11	578.81	578.76	578.78	578.85	578.65	578.30	578.04	577.79	577.48
12	579.44	579.20	579.31	578.92	578.95	578.88	578.80	578.56	578.37	578.05	577.82	577.55
13	579.10	579.27	579.29	578.90	578.76	578.86	579.00	578.57	578.41	577.87	577.69	577.71
14	579.11	579.30	579.23	578.81	578.76	578.84	579.11	578.54	578.41	577.84	577.74	577.67
15	579.33	579.98	579.64	578.84	578.91	578.95	578.96	578.53	578.36	577.92	577.52	577.54
16	579.36	579.96	580.05	578.89	578.73	578.90	578.86	578.62	578.33	577.73	577.38	577.92
17	579.17	579.83	580.03	578.90	578.81	578.87	578.72	578.72	578.28	577.80	577.33	577.95
18	579.22	579.74	579.87	578.90	578.80	578.76	578.80	578.79	578.24	577.95	577.72	577.62
19	579.35	579.56	579.55	578.86	578.72	578.86	578.71	578.75	578.27	577.93	577.69	577.70
20	579.09	579.43	579.13	578.82	578.77	578.81	578.89	578.76	578.31	578.04	578.06	577.51
21	579.14	579.22	578.61	578.95	578.70	578.82	578.85	578.59	578.30	577.93	577.91	577.78
22	579.04	579.02	578.60	578.90	578.78	579.00	578.85	578.91	578.38	577.81	577.40	577.76
23	579.46	578.95	578.65	578.90	578.87	578.93	578.80	578.93	578.40	577.83	577.31	577.73
24	579.47	578.86	578.62	579.02	578.86	578.86	578.81	578.79	578.50	577.99	577.63	577.56
25	579.66	578.80	578.60	578.90	578.83	578.84	578.86	578.69	578.44	578.01	577.70	577.78
26	579.51	578.81	578.72	578.85	578.74	578.91	578.93	578.59	578.38	577.76	577.70	577.85
27	579.24	578.74	578.73	578.90	578.79	578.96	578.87	578.62	578.17	577.93	577.61	577.85
28	579.34	578.68	578.76	579.07	578.78	578.91	578.87	578.64	578.19	577.96	577.42	577.79*
29	579.27		578.73	579.01	578.79	578.83	578.72	578.59	578.26	577.90	577.37	577.92*
30	579.20		578.98	579.06	578.80	578.92	578.82	578.46	578.53	577.89	577.56	577.55
31	579.47		579.26		578.84		578.69	578.70		577.90		577.43
MEAN	579.30	579.25	579.07	578.95	578.82	578.88	578.86	578.67	578.38	578.00	577.71	577.68
MAX.	579.91	581.55	580.29	579.75	579.33	579.48	579.58	579.29	578.89	578.99	578.72	578.21
	2400/22	1300/08	0900/17	1500/04	2100/11	2400/03	2100/20	1200/22	2200/30	2100/02	2300/04	1100/29
MIN.	578.69	578.55	578.40	578.38	578.45	578.04	578.30	578.25	577.92	577.34	577.10	576.94
	0300/22	2300/07	1600/29	1500/01	0600/14	1000/07	2100/19	1100/30	1500/27	0900/09	0800/17	0200/31

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

/ Indicates No Data.

ANNUAL MEAN: 578.63

ANNUAL SUMMARY OF LEVELS, 1987

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.68	Jan	578.07	Dec
Daily mean elevation:	580.40	8 Feb	577.67	23 Nov
Instant/hourly Elevation:	582.09	1300/8 Feb	577.18	0200/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.99	25 Jan
580.40	8 Feb
580.16	17 Mar
579.90	4 Apr
579.39	12 May
579.46	9 Jun
579.55	14 Jul
579.36	23 Aug
579.05	1 Sep
578.85	2 Oct
578.63	5 Nov
578.50	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.41	22 Jan
579.07	28 Feb
578.93	1 Mar
579.02	1 Apr
579.09	19 May
579.17	11 Jun
579.10	31 Jul
578.86	30 Aug
578.55	27 Sep
578.08	16 Oct
577.67	23 Nov
577.69	8 Dec

~~~~~~~~~~~~ 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		3	3										580.00	7
579.80	7	1	1	1									579.80	17
579.60	15	6	4	1									579.60	43
579.40	9	8	9	6		2	2						579.40	79
579.20		7	3	19	21	25	24	4					579.20	182
579.00		2	9	3	10	3	5	19	2				579.00	235
578.80			2					8	8	1			578.80	254
578.60									18	3	1		578.60	276
578.40									2	6	2	1	578.40	287
578.20										15	7	6	578.20	315
578.00										6	12	13	578.00	346
577.80											2	8	577.80	356
577.60											6	3	577.60	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	579.70	579.37	578.93	579.02	579.30	579.23	579.38	579.01	579.05	578.52	578.13	578.20
2	579.75	579.52	579.43	579.05	579.30	579.24	579.33	579.06	579.01	578.85	578.03	578.16
3	579.84	579.59	579.73	579.28	579.28	579.36	579.33	579.14	578.90	578.80	578.15	578.18
4	579.74	579.72	579.41	579.90	579.30	579.40	579.40	579.27	578.81	578.58	578.28	578.31
5	579.63	579.43	579.19	579.67	579.25	579.37	579.27	579.18	578.75	578.34	578.63	578.32
6	579.41	579.41	579.22	579.50	579.29	579.22	579.25	579.09	578.66	578.45	578.45	578.08
7	579.79	579.38	579.25	579.49	579.30	579.20	579.26	579.06	578.75	578.58	578.32	577.86
8	579.70	580.40	579.46	579.38	579.22	579.39	579.27	579.10	578.79	578.62	578.24	577.69
9	579.66	579.62	579.90	579.28	579.22	579.46	579.26	579.02	578.84	578.29	578.39	577.74
10	579.63	579.71	579.34	579.22	579.31	579.32	579.22	579.12	578.78	578.61	578.40	578.07
11	579.65	579.44	579.42	579.15	579.16	579.17	579.24	579.07	578.68	578.40	578.18	577.86
12	579.86	579.55	579.56	579.30	579.39	579.30	579.20	578.98	578.74	578.41	578.22	577.92
13	579.49	579.63	579.59	579.27	579.16	579.28	579.41	578.98	578.80	578.20	578.09	578.11
14	579.50	579.55	579.52	579.21	579.13	579.28	579.55	578.94	578.82	578.18	578.15	578.07
15	579.76	580.08	579.80	579.21	579.32	579.37	579.37	578.96	578.74	578.27	577.92	577.82
16	579.78	580.10	580.14	579.27	579.13	579.35	579.27	579.01	578.70	578.08	577.77	578.31
17	579.59	580.01	580.16	579.27	579.23	579.32	579.11	579.14	578.65	578.17	577.69	578.38
18	579.63	579.94	580.01	579.30	579.22	579.20	579.21	579.20	578.64	578.35	578.10	577.98
19	579.78	579.80	579.75	579.27	579.09	579.30	579.13	579.21	578.65	578.33	578.08	578.07
20	579.43	579.68	579.48	579.22	579.18	579.25	579.23	579.18	578.68	578.45	578.52	577.84
21	579.50	579.50	579.02	579.38	579.10	579.25	579.27	578.95	578.69	578.32	578.34	578.14
22	579.41	579.34	579.04	579.27	579.18	579.44	579.27	579.32	578.79	578.18	577.74	578.13
23	579.87	579.32	579.06	579.32	579.28	579.38	579.23	579.36	578.83	578.21	577.67	578.10
24	579.85	579.27	579.01	579.46	579.25	579.28	579.24	579.20	578.92	578.38	578.06	577.92
25	579.99	579.22	578.99	579.31	579.23	579.25	579.26	579.10	578.84	578.40	578.14	578.19
26	579.81	579.22	579.11	579.26	579.13	579.33	579.37	578.98	578.78	578.14	578.13	578.27
27	579.55	579.14	579.16	579.28	579.19	579.40	579.30	579.02	578.55	578.31	578.01	578.26
28	579.69	579.07	579.19	579.48	579.21	579.35	579.29	579.04	578.59	578.38	577.80	578.15
29	579.61		579.15	579.41	579.21	579.26	579.13	578.97	578.65	578.30	577.71	578.50
30	579.57		579.42	579.47	579.22	579.37	579.24	578.86	578.99	578.28	577.92	577.90
31	579.87		579.69		579.26		579.10	579.11		578.30		577.74
MEAN	579.68	579.57	579.42	579.33	579.23	579.31	579.27	579.08	578.77	578.38	578.11	578.07
MAX.	580.38	582.09	580.40	580.26	580.01	579.82	579.88	579.80	579.30	579.38	579.40	578.98
	2400/22	1300/08	0300/17	1500/04	2100/11	2400/03	2100/20	1100/22	2100/30	2000/02	2300/04	0600/29
MIN.	579.03	578.84	578.80	578.67	578.84	578.90	578.69	578.48	578.39	577.65	577.47	577.18
	0300/22	0100/08	1100/01	1500/01	0200/22	1500/07	2200/20	1800/16	1500/27	0900/09	0100/29	0200/31

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

/ Indicates No Data.

ANNUAL MEAN: 579.02

ANNUAL SUMMARY OF LEVELS, 1987.

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.07	Jan	578.43	Dec
Daily mean elevation:	580.97	8 Feb	578.03	23 Nov
Instant/hourly Elevation:	582.79	1300/8 Feb	577.44	2300/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.31	23 Jan
580.97	8 Feb
580.28	9 Mar
580.44	5 Apr
579.79	12 May
579.82	9 Jun
579.92	14 Jul
579.74	23 Aug
579.44	1 Sep
579.29	2 Oct
579.02	5 Nov
578.87	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.78	20 Jan
579.48	28 Feb
579.24	1 Mar
579.39	1 Apr
579.46	19 May
579.54	7 Jun
579.44	19 Jul
579.23	30 Aug
578.91	27 Sep
578.48	16 Oct
578.03	23 Nov
578.04	8 Dec

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.
580.80		1											580.80	1
580.60													580.60	1
580.40		1		1									580.40	3
580.20	7	2	3	1									580.20	16
580.00	11	5	3										580.00	35
579.80	7	7	5	4		1	1						579.80	60
579.60	2	10	8	10	18	24	19	3					579.60	154
579.40		2	10	1	13	5	11	15	2				579.40	213
579.20			2	1				13	8	2			579.20	239
579.00									17	4	1		579.00	261
578.80									3	5	3	1	578.80	273
578.60										14	6	6	578.60	299
578.40										6	11	13	578.40	329
578.20											3	5	578.20	337
578.00											6	6	578.00	349

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.16	579.74	579.24	579.39	579.71	579.60	579.75	579.35	579.44	578.90	578.53	578.59
2	580.18	579.90	579.76	579.42	579.72	579.59	579.71	579.41	579.40	579.29	578.41	578.51
3	580.24	579.96	580.09	579.68	579.71	579.72	579.71	579.49	579.31	579.27	578.55	578.54
4	580.12	580.10	579.77	580.24	579.72	579.76	579.80	579.62	579.22	579.04	578.68	578.66
5	580.05	579.82	579.52	580.44*	579.66	579.74	579.65	579.53	579.16	578.77	579.02	578.67
6	579.79	579.79	579.55	/	579.69	579.62	579.62	579.43	579.03	578.86	578.86	578.43
7	580.21	579.76	579.62	/	579.73	579.54	579.64	579.40	579.14	579.02	578.72	578.22
8	580.10	580.97	579.83	/	579.63	579.77	579.64	579.44	579.21	579.09	578.64	578.04
9	580.07	580.54	580.28	/	579.62	579.82	579.63	579.34	579.27	578.65	578.79	578.07
10	580.03	580.08	579.67	/	579.72	579.71	579.58	579.48	579.17	579.06	578.81	578.45
11	580.07	579.80	579.66	/	579.56	579.56	579.61	579.41	579.03	578.83	578.58	578.20
12	580.30	579.92	579.77	/	579.79	579.69	579.56	579.30	579.10	578.85	578.61	578.25
13	579.90	580.03	579.84	/	579.55	579.66	579.79	579.31	579.19	578.62	578.48	578.48
14	579.90	579.84	579.76	/	579.52	579.64	579.92	579.28	579.21	578.60	578.57	578.46
15	580.18	580.24	579.97	/	579.72	579.77	579.74	579.28	579.11	578.71	578.32	578.08
16	580.20	580.21	580.21	/	579.50	579.73	579.61	579.34	579.08	578.48	578.16	578.68
17	579.97	580.11	580.24	/	579.60	579.68	579.46	579.50	579.03	578.54	578.05	578.76
18	580.02	580.07	580.08	579.67*	579.61	579.55	579.57	579.56	578.99	578.75	578.50	578.32
19	580.21	579.97	579.95	579.64	579.46	579.67	579.44	579.56	579.01	578.75	578.46	578.44
20	579.78	579.89*	579.80	579.62	579.58	579.62	579.60	579.56	579.04	578.87	578.99	578.19
21	579.89	579.77	579.48	579.80	579.48	579.61	579.64	579.35	579.03	578.71	578.77	578.47
22	579.81	579.66	579.48	579.67	579.61	579.80	579.63	579.70	579.16	578.54	578.11	578.49
23	580.31	579.69	579.47	579.71	579.68	579.75	579.58	579.74	579.18	578.60	578.03	578.49
24	580.27*	579.66	579.42	579.92	579.67	579.67	579.58	579.58	579.31	578.80	578.47	578.30
25	/	579.63	579.37	579.73	579.63	579.62	579.62	579.49	579.22	578.80	578.54	578.53
26	/	579.63	579.51	579.68	579.50	579.73	579.72	579.35	579.15	578.53	578.50	578.64
27	/	579.54	579.53	579.70	579.59	579.78	579.68	579.39	578.91	578.71	578.39	578.63
28	/	579.48	579.58	579.91	579.58	579.72	579.67	579.41	578.97	578.77	578.15	578.56
29	579.93		579.56	579.83	579.58	579.64	579.50	579.32	579.04	578.68	578.07	578.87
30	579.88		579.93	579.92	579.57	579.75	579.60	579.23	579.41	578.66	578.26	578.25
31	580.24		580.08		579.63		579.46	579.47		578.70		578.06
MEAN	580.07	579.92	579.74	579.78	579.62	579.68	579.64	579.44	579.15	578.79	578.50	578.43
MAX.	580.90	582.79	580.59	580.66	580.68	580.33	580.40	580.40	579.71	579.90	579.59	579.37
	2400/22	1300/08	0600/09	1900/04	2100/11	2400/03	2100/20	1800/30	1600/30	2100/02	2100/20	0500/29
MIN.	579.41	579.12	579.09	578.96	579.21	579.07	579.15	578.76	578.74	577.79	577.75	577.44
	0300/22	0700/01	1200/01	1500/01	1700/21	0900/07	2300/19	1800/16	1600/27	0900/09	0800/17	2300/15

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

/ Indicates No Data.

ANNUAL MEAN: 579.40

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.51	Jan	578.83	Dec
Daily mean elevation:	581.55	8 Feb	578.37	17 Nov
Instant/hourly Elevation:	583.79	1254/8 Feb	577.53	1700/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.81	12 Jan
581.55	8 Feb
581.06	9 Mar
581.15	4 Apr
580.31	12 May
580.37	9 Jun
580.42	14 Jul
580.26	23 Aug
579.91	30 Sep
579.76	2 Oct
579.54	5 Nov
579.42	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.16	27 Jan
579.87	28 Feb
579.62	1 Mar
579.77	1 Apr
579.89	21 May
580.00	18 Jun
579.85	17 Jul
579.59	30 Aug
579.30	27 Sep
578.85	16 Oct
578.37	17 Nov
578.39	31 Dec

~~~~~~~~~~~~ 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.
581.40		1											581.40	1
581.20													581.20	1
581.00			1	1									581.00	3
580.80	1												580.80	4
580.60	11	1	1	1									580.60	18
580.40	9	4	1	2			1						580.40	35
580.20	7	11	7	8	2	8	3	2					580.20	83
580.00	3	8	14	15	20	20	20	5					580.00	188
579.80		3	6	2	9	2	7	13	3				579.80	233
579.60			1	1				10	7	2			579.60	254
579.40								1	16	4	2	1	579.40	278
579.20									4	7	4	1	579.20	294
579.00										13	5	6	579.00	318
578.80										5	9	12	578.80	344
578.60											4	4	578.60	352
578.40											3	3	578.40	358
578.20											3	4	578.20	365
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.63	580.05	579.62	579.77	580.14	580.02	580.22	579.76	579.88	579.26	578.95	579.02
2	580.67	580.27	580.17	579.84	580.18	580.04	580.15	579.86	579.85	579.76	578.79	578.92
3	580.73	580.42	580.60	580.21	580.16	580.16	580.12	579.91	579.74	579.75	578.92	578.96
4	580.60	580.63	580.21	581.15	580.19	580.26	580.24	580.10	579.62	579.43	579.11	579.12
5	580.50	580.28	579.95	580.77	580.10	580.23	580.07	580.00	579.56	579.11	579.54	579.13
6	580.20	580.27	580.00	580.41	580.13	580.08	580.04	579.88	579.42	579.28	579.33	578.86
7	580.72	580.24	580.03	580.37	580.17	580.00	580.06	579.86	579.55	579.47	579.15	578.62
8	580.58	581.55	580.30	580.25	580.04	580.25	580.05	579.91	579.62	579.54	579.07	578.40
9	580.55	580.53	581.06	580.12	580.02	580.37	580.02	579.80	579.68	579.05	579.27	578.40
10	580.48	580.49	580.18	580.05	580.16	580.18	579.98	579.93	579.58	579.52	579.27	578.85
11	580.53	580.21	580.01	579.94	579.96	580.01	580.01	579.84	579.44	579.26	579.01	578.56
12	580.81	580.40	580.06	580.16	580.31	580.15	579.92	579.75	579.50	579.28	579.03	578.60
13	580.33	580.47	580.17	580.12	580.00	580.12	580.21	579.73	579.59	579.02	578.88	578.89
14	580.34	580.21	580.11	580.03	579.96	580.10	580.42	579.69	579.62	578.98	579.00	578.88
15	580.67	580.35	580.18	580.02	580.21	580.25	580.18	579.69	579.52	579.10	578.70	578.39
16	580.70	580.30	580.31	580.11	579.94	580.20	580.06	579.77	579.48	578.85	578.53	579.10
17	580.45	580.23	580.36	580.10	580.05	580.14	579.85	579.96	579.41	578.93	578.37	579.21
18	580.49	580.21	580.26	580.10	580.06	580.00	579.98	580.03	579.40	579.16	578.88	578.68
19	580.72	580.16	580.19	580.05	579.90	580.12	579.90	580.03	579.40	579.17	578.85	578.83
20	580.18	580.09	580.24	580.01	580.03	580.05	580.07	580.03	579.44	579.34	579.50	578.51
21	580.32	580.03	580.03	580.30	579.89	580.05	580.09	579.73	579.43	579.13	579.26	578.84
22	580.24	579.97	580.03	580.15	580.00	580.25	580.06	580.21	579.59	578.92	578.47	578.86
23	580.79	580.07	580.00	580.16	580.14	580.18	580.01	580.26	579.60	579.01	578.38	578.86
24	580.71	580.10	579.92	580.45	580.12	580.07	580.02	580.07	579.77	579.23	578.89	578.64
25	580.70	580.05	579.84	580.21	580.09	580.03	580.03	579.95	579.67	579.27	578.96	578.96
26	580.41	580.06	579.97	580.12	579.95	580.14	580.17	579.80	579.59	578.92	578.92	579.07
27	580.16	579.95	580.03	580.15	580.01	580.23	580.10	579.84	579.30	579.13	578.77	579.05
28	580.34	579.87	580.07	580.39	580.03	580.14	580.11	579.86	579.38	579.20	578.52	579.00
29	580.29		580.01	580.30	580.03	580.04	579.91	579.74	579.43	579.12	578.39	579.42
30	580.26		580.37	580.40	580.00	580.22	580.06	579.59	579.91	579.10	578.61	578.62
31	580.67		580.66		580.04		579.89	579.95		579.15		578.39
MEAN	580.51	580.27	580.16	580.21	580.06	580.14	580.06	579.89	579.57	579.21	578.91	578.83
MAX.	581.50	583.79	581.53	581.81	581.36	580.86	581.14	580.91	580.31	580.55	580.76	580.06
	2400/22	1254/08	0600/09	1500/04	2100/11	1300/09	2100/20	1100/22	1500/30	2000/02	2300/04	0500/29
MIN.	579.80	579.33	579.44	579.23	579.53	579.65	579.62	579.04	579.06	578.13	578.05	577.53
	0300/22	0700/01	1900/01	1500/01	0200/22	0700/08	1700/19	1800/16	1600/27	0800/09	0800/17	1700/15

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

/ Indicates No Data.

ANNUAL MEAN: 579.82

ANNUAL SUMMARY OF LEVELS, 1987

Station 5002: Lakeport, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.65	Jan	578.96	Dec
Daily mean elevation:	581.42	8 Feb	578.53	9 Dec
Instant/hourly Elevation:	583.70	1255/8 Feb	577.63	1700/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.96	12 Jan
581.42	8 Feb
580.97	9 Mar
581.07	4 Apr
580.40	12 May
580.48	9 Jun
580.53	14 Jul
580.36	23 Aug
580.02	1 Sep
579.84	3 Oct
579.61	5 Nov
579.40	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.29	27 Jan
580.14	27 Feb
579.86	1 Mar
579.95	1 Apr
580.06	19 May
580.10	18 Jun
579.99	19 Jul
579.72	30 Aug
579.44	27 Sep
579.01	16 Oct
578.57	29 Nov
578.53	9 Dec

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.
581.40		1											581.40	1
581.20													581.20	1
581.00				1									581.00	2
580.80	11		1										580.80	14
580.60	8	1	2	1									580.60	26
580.40	7	8	2	7		1	1						580.40	52
580.20	5	13	10	14	15	18	11	3					580.20	141
580.00		5	14	5	16	11	18	9	1				580.00	220
579.80			2	2			1	18	4	2			579.80	249
579.60								1	14	2	1		579.60	267
579.40									11	6	2		579.40	286
579.20										13	4	6	579.20	309
579.00										8	12	8	579.00	337
578.80											4	7	578.80	348
578.60											4	7	578.60	359
578.40											3	3	578.40	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5002: Lakeport, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.81	580.23	579.86	579.95	580.28	580.18	580.32	579.88	580.02	579.43	579.07	579.13
2	580.83	580.41	580.31	579.98	580.29	580.15	580.25	579.93	579.98	579.84	578.91	579.06
3	580.86	580.57	580.69	580.36	580.28	580.30	580.24	580.05	579.86	579.84	579.05	579.12
4	580.72	580.76	580.36	581.07	580.31	580.36	580.36	580.22	579.77	579.59	579.17	579.22
5	580.62	580.42	580.10	580.79	580.22	580.34	580.19	580.10	579.69	579.29	579.61	579.23
6	580.38	580.40	580.16	580.50	580.24	580.21	580.19	579.99	579.55	579.41	579.45	578.99
7	580.86	580.38	580.19	580.47	580.33	580.14	580.21	579.94	579.69	579.58	579.31	578.75
8	580.76	581.42	580.42	580.36	580.20	580.36	580.17	579.99	579.74	579.64	579.18	578.59
9	580.70	580.58	580.97	580.24	580.19	580.48	580.15	579.89	579.80	579.17	579.36	578.53
10	580.65	580.60	580.33	580.18	580.26	580.32	580.06	580.04	579.71	579.65	579.40	579.00
11	580.65	580.34	580.22	580.10	580.07	580.16	580.14	579.96	579.58	579.39	579.16	578.71
12	580.96	580.48	580.25	580.27	580.40	580.28	580.09	579.84	579.63	579.42	579.14	578.74
13	580.48	580.52	580.27	580.24	580.12	580.28	580.31	579.87	579.71	579.14	579.04	579.02
14	580.52	580.31	580.19	580.15	580.11	580.20	580.53	579.82	579.71	579.14	579.13	579.03
15	580.85	580.41	580.26	580.14	580.38	580.38	580.31	579.83	579.63	579.23	578.86	578.61
16	580.85	580.35	580.23	580.24	580.08	580.29	580.20	579.94	579.59	579.01	578.66	579.21
17	580.59	580.28	580.30	580.25	580.19	580.24	580.04	580.00	579.56	579.05	578.57	579.31
18	580.62	580.28	580.18	580.26	580.21	580.10	580.12	580.08	579.51	579.31	579.04	578.81
19	580.84	580.27	580.18	580.21	580.06	580.24	579.99	580.13	579.54	579.30	578.99	578.97
20	580.33	580.20	580.30	580.16	580.15	580.18	580.15	580.15	579.55	579.49	579.56	578.67
21	580.48	580.17	580.19	580.41	580.07	580.15	580.28	579.92	579.54	579.28	579.34	578.97
22	580.39	580.15	580.18	580.29	580.17	580.35	580.17	580.32	579.67	579.09	578.63	578.99
23	580.90	580.27	580.14	580.24	580.30	580.31	580.12	580.36	579.72	579.14	578.57	579.00
24	580.86	580.35	580.06	580.52	580.29	580.19	580.19	580.19	579.88	579.37	579.06	578.80
25	580.81	580.27	579.95	580.35	580.24	580.17	580.16	580.07	579.77	579.38	579.11	579.03
26	580.53	580.25	580.13	580.26	580.11	580.29	580.28	579.93	579.71	579.09	579.04	579.20
27	580.29	580.14	580.16	580.29	580.17	580.31	580.25	579.98	579.44	579.25	578.92	579.21
28	580.45	580.15	580.20	580.56	580.17	580.29	580.24	579.99	579.51	579.34	578.66	579.10
29	580.44		580.17	580.46	580.17	580.17	580.03	579.88	579.54	579.24	578.57	579.40
30	580.35		580.49	580.55	580.14	580.31	580.18	579.72	579.93	579.22	578.74	578.78
31	580.75		580.71		580.21		580.04	580.03		579.28		578.55
MEAN	580.65	580.39	580.26	580.33	580.21	580.26	580.19	580.00	579.68	579.34	579.04	578.96
MAX.	581.52	583.70	581.37	581.49	581.07	580.80	581.29	580.89	580.15	580.48	580.10	579.89
	2400/22	1255/08	0800/09	1900/04	2100/11	1300/09	2100/20	1100/22	1600/30	2000/02	2100/20	0500/29
MIN.	579.95	579.67	579.70	579.54	579.74	579.76	579.66	579.11	579.20	578.24	578.29	577.63
	0300/22	0700/01	2000/01	1400/01	0800/17	0100/07	2400/20	0700/02	1600/27	0800/09	0500/29	1700/15

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

/ Indicates No Data.

ANNUAL MEAN: 579.94

ANNUAL SUMMARY OF LEVELS, 1987

Station 5014: Harbor Beach, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.65	Jan	578.96	Dec
Daily mean elevation:	580.98	8 Feb	578.59	29 Nov
Instant/hourly Elevation:	582.78	1308/8 Feb	578.25	2200/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.90	12 Jan
580.98	8 Feb
580.58	3 Mar
580.55	4 Apr
580.33	12 May
580.42	9 Jun
580.46	14 Jul
580.32	23 Aug
580.00	1 Sep
579.76	2 Oct
579.53	5 Nov
579.19	17 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.33	30 Jan
580.10	28 Feb
579.90	1 Mar
580.00	2 Apr
580.01	19 May
580.08	18 Jun
579.96	31 Jul
579.77	12 Aug
579.48	18 Sep
579.05	16 Oct
578.59	29 Nov
578.65	8 Dec

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.
580.80	5	1											580.80	6
580.60	13	1											580.60	20
580.40	11	9	3	5		1	1						580.40	50
580.20	2	12	8	13	12	20	10	2					580.20	129
580.00		5	18	11	19	9	19	11					580.00	221
579.80			2	1			1	16	4				579.80	245
579.60								2	15	2			579.60	264
579.40									11	7	2		579.40	284
579.20										16	4		579.20	304
579.00										6	13	16	579.00	339
578.80											5	9	578.80	353
578.60											5	6	578.60	364
578.40											1		578.40	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5014: Harbor Beach, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.75	580.30	579.90	580.07	580.29	580.21	580.25	579.84	580.00	579.52	579.03	579.02
2	580.75	580.44	580.27	580.00	580.23	580.20	580.18	579.89	579.91	579.76	578.92	579.05
3	580.81	580.51	580.58	580.33	580.20	580.30	580.21	580.06	579.84	579.69	579.09	579.08
4	580.69	580.70	580.31	580.55	580.24	580.37	580.36	580.13	579.74	579.59	579.20	579.06
5	580.66	580.44	580.08	580.51	580.19	580.30	580.17	580.03	579.69	579.45	579.53	579.12
6	580.49	580.43	580.15	580.34	580.26	580.22	580.15	579.92	579.60	579.46	579.41	578.94
7	580.81	580.42	580.27	580.33	580.28	580.23	580.21	579.92	579.70	579.54	579.32	578.77
8	580.80	580.98	580.35	580.26	580.17	580.40	580.21	580.00	579.73	579.58	579.16	578.65
9	580.72	580.48	580.51	580.22	580.23	580.42	580.17	579.85	579.76	579.29	579.26	578.66
10	580.66	580.54	580.20	580.17	580.24	580.29	580.12	579.93	579.70	579.57	579.25	579.04
11	580.64	580.33	580.17	580.08	580.08	580.18	580.20	579.88	579.56	579.38	579.11	578.84
12	580.90	580.41	580.22	580.18	580.33	580.29	580.14	579.77	579.62	579.38	579.17	578.84
13	580.58	580.48	580.24	580.22	580.08	580.31	580.31	579.82	579.69	579.19	579.04	579.05
14	580.58	580.21	580.12	580.09	580.11	580.21	580.46	579.80	579.72	579.23	579.10	579.00
15	580.76	580.36	580.16	580.08	580.29	580.34	580.26	579.91	579.67	579.24	578.85	578.79
16	580.80	580.30	580.13	580.20	580.13	580.26	580.17	580.03	579.59	579.05	578.72	579.06
17	580.57	580.21	580.19	580.22	580.19	580.19	580.06	580.05	579.54	579.13	578.69	579.19
18	580.59	580.23	580.12	580.22	580.14	580.08	580.16	580.16	579.48	579.37	579.10	578.88
19	580.75	580.24	580.08	580.19	580.01	580.19	580.07	580.16	579.54	579.26	579.16	579.01
20	580.43	580.21	580.22	580.16	580.10	580.14	580.17	580.17	579.55	579.38	579.38	578.76
21	580.59	580.17	580.16	580.28	580.07	580.11	580.28	579.94	579.53	579.23	579.16	579.08
22	580.43	580.14	580.13	580.22	580.16	580.29	580.16	580.22	579.63	579.15	578.78	579.08
23	580.83	580.24	580.10	580.16	580.26	580.23	580.12	580.32	579.74	579.15	578.69	579.01
24	580.86	580.32	580.02	580.33	580.26	580.17	580.21	580.15	579.79	579.32	579.02	578.90
25	580.79	580.23	579.97	580.27	580.16	580.18	580.18	580.07	579.74	579.37	579.07	579.00
26	580.52	580.20	580.14	580.20	580.06	580.31	580.21	579.91	579.71	579.15	578.94	579.13
27	580.37	580.12	580.16	580.25	580.18	580.33	580.19	579.92	579.50	579.24	578.85	579.17
28	580.44	580.10	580.16	580.52	580.17	580.32	580.16	579.93	579.54	579.33	578.63	578.98
29	580.46		580.14	580.42	580.19	580.23	580.03	579.90	579.58	579.23	578.59	579.14
30	580.33		580.38	580.47	580.19	580.31	580.11	579.84	579.89	579.21	578.85	578.86
31	580.64		580.52		580.23		579.96	580.03		579.23		578.72
MEAN	580.65	580.35	580.20	580.25	580.18	580.25	580.18	579.99	579.68	579.34	579.04	578.96
MAX.	581.10	582.78	580.87	580.83	580.58	580.55	580.72	580.52	580.11	580.14	579.79	579.38
	0200/12	1308/08	2300/30	2400/04	0100/12	2200/03	2000/20	0200/23	1400/01	2300/02	1200/05	0600/29
MIN.	580.19	580.02	579.70	579.76	579.77	579.89	579.83	579.50	579.32	578.85	578.38	578.25
	0400/30	0900/28	1200/01	1600/01	0200/22	0800/07	2400/20	0900/02	1500/27	0800/09	1400/28	2200/15

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

/ Indicates No Data.

ANNUAL MEAN: 579.92

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.59	Jan	578.87	Dec
Daily mean elevation:	581.60	5 Apr	577.85	31 Dec
Instant/hourly Elevation:	582.71	1500/8 Feb	576.97	1200/19 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
581.27	10 Jan
581.13	8 Feb
581.60	9 Mar
581.60	5 Apr
580.91	18 May
580.60	22 Jun
580.47	14 Jul
580.40	4 Aug
579.98	18 Sep
579.79	3 Oct
579.99	25 Nov
579.55	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.04	20 Jan
580.18	22 Feb
579.99	25 Mar
579.93	1 Apr
579.87	9 May
579.99	11 Jun
579.85	17 Jul
579.50	30 Aug
579.40	27 Sep
578.64	9 Oct
578.27	19 Nov
577.85	31 Dec

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.
581.40			1	1									581.40	2
581.20	1			1									581.20	4
581.00		1											581.00	5
580.80	2			1	1								580.80	9
580.60	11			3									580.60	23
580.40	10	6	5	4	6	3	2						580.40	59
580.20	6	19	12	14	8	17	13	3					580.20	151
580.00	1	2	12	4	14	9	12	9					580.00	214
579.80			1	2	2	1	4	18	7		1		579.80	250
579.60									11	2			579.60	263
579.40								1	11	4	2	2	579.40	283
579.20									1	11	3	4	579.20	302
579.00										7	10	4	579.00	323
578.80										5	6	9	578.80	343
578.60										2	4	6	578.60	355
578.40											2	3	578.40	360
578.20											2	2	578.20	364
578.00													578.00	364
577.80												1	577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.80	580.30	580.02	579.93	580.17	580.15	580.44	579.87	579.85	579.04	579.15	579.23
2	580.98	580.43	580.10	579.99	580.50	580.14	580.34	579.86	579.95	579.60	578.97	578.74
3	580.80	580.44	580.50	580.36	580.57	580.25	580.21	580.01	579.87	579.79	578.99	579.27
4	580.66	580.60	580.29	581.22	580.55	580.35	580.36	580.40	579.72	579.32	579.05	579.17
5	580.61	580.32	580.15	581.60	580.23	580.40	580.23	580.23	579.67	579.08	579.32	579.11
6	580.43	580.35	580.13	580.63	580.24	580.12	580.20	579.90	579.58	579.22	579.08	578.94
7	580.76	580.39	580.15	580.54	580.38	580.03	580.23	579.85	579.78	579.56	579.13	578.82
8	580.54	581.13	580.53	580.36	580.15	580.30	580.18	579.97	579.74	579.52	579.12	578.68
9	580.65	580.27	581.60	580.21	579.87	580.53	580.12	580.12	579.77	578.64	579.32	578.27
10	581.27	580.49	580.59	580.17	580.52	580.27	579.99	580.10	579.72	579.64	579.58	578.82
11	580.32	580.36	580.22	580.12	580.03	579.99	580.06	580.08	579.60	579.27	578.94	578.71
12	580.78	580.32	580.21	580.36	580.53	580.24	580.05	579.90	579.63	579.29	579.01	578.46
13	580.50	580.56	580.26	580.37	580.12	580.25	580.29	579.89	579.56	579.06	578.88	578.71
14	580.42	580.52	580.24	580.37	580.08	580.19	580.47	579.87	579.64	578.84	579.12	578.94
15	580.76	580.39	580.33	580.27	580.48	580.37	580.31	579.83	579.64	579.27	578.94	579.30
16	580.78	580.40	580.26	580.30	579.99	580.30	580.25	579.88	579.60	578.99	578.74	579.04
17	580.59	580.27	580.25	580.25	580.27	580.32	579.85	579.81	579.81	578.78	578.51	579.27
18	580.54	580.26	580.28	580.26	580.91	580.08	580.03	579.93	579.98	579.14	578.67	578.50
19	580.97	580.25	580.16	580.27	580.23	580.35	579.92	579.99	579.54	579.21	578.27	578.85
20	580.04	580.22	580.26	580.16	580.20	580.45	580.15	580.06	579.55	579.54	579.48	578.49
21	580.34	580.21	580.19	580.69	580.10	580.31	580.13	579.82	579.58	579.26	579.09	578.37
22	580.28	580.18	580.16	580.71	580.12	580.60	580.13	580.14	579.73	578.92	578.55	578.80
23	580.53	580.22	580.18	580.25	580.33	580.30	579.98	580.26	579.47	579.10	578.37	578.88
24	580.61	580.31	580.13	580.86	580.28	580.18	580.06	580.02	579.95	579.22	579.03	578.94
25	580.72	580.24	579.99	580.44	580.35	580.15	580.19	579.92	579.66	579.26	579.99	578.96
26	580.48	580.22	580.06	580.25	580.10	580.22	580.34	580.00	579.60	578.98	579.29	579.08
27	580.23	580.21	580.17	580.18	580.17	580.26	580.22	580.18	579.40	579.14	579.05	578.98
28	580.35	580.20	580.25	580.56	580.17	580.22	580.32	580.05	579.44	579.28	578.90	579.55
29	580.56		580.23	580.32	580.16	580.04	580.04	579.85	579.48	579.17	578.64	579.48
30	580.30		580.42	580.56	580.16	580.38	580.36	579.50	579.92	579.00	578.63	578.67
31	580.57		580.57		580.15		580.21	579.91		579.36		577.85
MEAN	580.59	580.36	580.29	580.42	580.26	580.26	580.18	579.97	579.68	579.21	578.99	578.87
MAX.	581.71	582.71	582.26	582.69	581.59	581.52	581.01	581.07	580.59	580.65	580.62	581.32
	2200/10	1500/08	0800/09	0300/05	1700/18	2400/03	1600/26	1700/04	0500/24	2200/02	1600/25	1000/15
MIN.	579.60	579.72	579.73	579.33	579.48	579.75	579.46	579.13	579.01	577.50	576.97	577.00
	1800/11	1500/05	0100/06	0700/29	0500/09	0200/29	0400/17	1100/30	1000/23	1100/09	1200/19	1300/31

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

/ Indicates No Data.

ANNUAL MEAN: 579.92

ANNUAL SUMMARY OF LEVELS, 1987
Station 5059: Harrisville, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.52	Jan	578.85	Dec
Daily mean elevation:	580.72	12 Jan	578.60	8 Dec
Instant/hourly Elevation:	580.86	1100/8 Feb	578.03	2000/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.72	12 Jan
580.50	4 Feb
580.34	3 Mar
580.35	28 Apr
580.18	9 May
	Jun
	Jul
	Aug
	Sep
	Oct
	Nov
579.04	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.18	30 Jan
580.02	28 Feb
579.84	1 Mar
579.91	2 Apr
579.85	19 May
	Jun
	Jul
	Aug
	Sep
	Oct
	Nov
578.60	8 Dec

~~~~~~~~~~~~ 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.
580.60	9												580.60	9
580.40	16	4											580.40	29
580.20	5	9	3	3									580.20	49
580.00	1	15	18	24	18								580.00	125
579.80			10	3	8								579.80	146
579.60													579.60	146
579.40													579.40	146
579.20													579.20	146
579.00												3	579.00	149
578.80												18	578.80	167
578.60												7	578.60	174
578.40												1	578.40	175
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5059: Harrisville, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.66	580.23*	579.84	580.07	580.16	/	/	/	/	/	/	/
2	580.61	580.34	580.06	579.91	580.09	/	/	/	/	/	/	/
3	580.64	580.32	580.34	580.18	580.03	/	/	/	/	/	/	578.81*
4	580.58	580.50	580.16	580.18	580.07	/	/	/	/	/	/	578.79
5	580.59	580.42	580.03	580.17	580.08	/	/	/	/	/	/	578.92
6	580.48	580.40	580.09	580.14	580.14	/	/	/	/	/	/	578.82
7	580.56	580.40	580.21	580.15	580.13	/	/	/	/	/	/	578.70
8	580.66	580.43	580.16	580.11	580.07	/	/	/	/	/	/	578.60
9	580.64	580.38	580.10	580.12	580.18	/	/	/	/	/	/	578.71
10	580.52	580.45	580.06	580.07	580.11	/	/	/	/	/	/	578.95
11	580.52	580.23	580.06	580.01	580.02	/	/	/	/	/	/	578.83
12	580.72	580.21	580.08	580.08	580.16	/	/	/	/	/	/	578.79
13	580.52	580.37	580.09	580.10	579.98	/	/	/	/	/	/	578.95
14	580.46	580.11	579.97	579.99	579.98	/	/	/	/	/	/	578.89
15	580.53	580.19	580.02	580.03	580.12	/	/	/	/	/	/	578.86
16	580.61	580.20	579.94	580.11	580.05	/	/	/	/	/	/	578.72
17	580.48	580.10	580.02	580.08	580.10	/	/	/	/	/	/	579.00
18	580.48	580.14	579.97	580.11	579.99	/	/	/	/	/	/	578.83
19	580.56	580.19	579.91	580.07	579.85	/	/	/	/	/	/	578.94
20	580.40	580.16	580.08	580.07	579.99*	/	/	/	/	/	/	578.72
21	580.53	580.12	580.02	580.13	579.96	/	/	/	/	/	/	579.04
22	580.32	580.10	580.00	579.97	580.06	/	/	/	/	/	/	579.01
23	580.53	580.15	579.95	580.11	580.10	/	/	/	/	/	/	578.90
24	580.66	580.20	579.88	580.17	580.11	/	/	/	/	/	/	578.86
25	580.66	580.13	579.88	580.11	579.99	/	/	/	/	/	/	578.85
26	580.41	580.10	580.05	580.08	579.88*	/	/	/	/	/	/	578.94
27	580.35	580.04	580.04	580.15	/	/	/	/	/	/	/	579.04
28	580.34	580.02	580.04	580.35	/	/	/	/	/	/	/	578.86
29	580.34		580.00	580.24	/	/	/	/	/	/	/	578.85
30	580.18		580.12	580.30	/	/	/	/	/	/	/	578.83*
31	580.45		580.22		/		/	/		/		578.76
MEAN	580.52	580.24	580.04	580.11	580.05	/	/	/	/	/	/	578.85
MAX.	580.86	580.86	580.40	580.48	580.34							579.92
	1000/12	1100/08	0800/03	1300/28	0800/18							1200/15
MIN.	580.09	579.94	579.62	579.66	579.75							578.03
	1500/30	1800/14	1600/01	1600/22	2200/21							2000/15

ANNUAL MEAN: 579.97

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

ANNUAL SUMMARY OF LEVELS, 1987

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.48	Jan	578.90	Dec
Daily mean elevation:	580.73	5 Jan	578.73	16 Dec
Instant/hourly Elevation:	580.89	2200/21 Jan	578.21	0400/16 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.73	5 Jan
580.45	1 Feb
580.24	7 Mar
580.22	20 Apr
580.22	9 May
580.29	11 Jun
580.19	17 Jul
580.11	17 Aug
579.73	1 Sep
579.73	1 Oct
579.19	3 Nov
579.13	18 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.23	23 Jan
579.80	8 Feb
579.75	9 Mar
579.92	5 Apr
579.89	18 May
580.02	20 Jun
579.86	31 Jul
579.73	31 Aug
579.38	30 Sep
579.04	31 Oct
578.76	25 Nov
578.73	16 Dec

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.
580.60	6												580.60	6
580.40	16	3											580.40	25
580.20	9	8	2	3	3	6							580.20	56
580.00		15	17	22	27	24	23	8					580.00	192
579.80		1	11	5	1		8	19					579.80	237
579.60		1	1					4	14	1			579.60	258
579.40									15	2			579.40	275
579.20									1	13			579.20	289
579.00										15	11	4	579.00	319
578.80											15	19	578.80	353
578.60											4	8	578.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.61	580.45	580.04	580.21	580.15	580.23	580.08	579.93	579.73	579.73	579.01	578.79
2	580.54	580.37	580.08	579.95	580.06	580.24	580.13	579.99	579.64	579.25	579.12	578.92
3	580.60	580.23	580.05	580.12	580.03	580.20	580.09	580.01	579.69	579.37	579.19	578.78
4	580.65	580.25	580.15	579.98	580.07	580.22	580.05	579.86	579.71	579.55	579.14	578.76
5	580.73	580.39	580.16	579.92	580.11	580.13	580.04	579.85	579.71	579.53	579.00	578.78
6	580.62	580.39	580.23	580.00	580.11	580.18	580.04	579.98	579.69	579.36	579.05	578.79
7	580.46	580.42	580.24	580.03	580.09	580.27	580.08	579.90	579.57	579.14	579.06	578.86
8	580.62	579.80	580.00	580.07	580.16	580.15	580.10	579.89	579.58	579.30	578.98	578.88
9	580.59	580.41	579.75	580.13	580.22	580.12	580.13	579.82	579.58	579.36	578.97	578.97
10	580.42	580.21	580.05	580.11	580.04	580.15	580.16	579.81	579.57	579.20	578.93	578.94
11	580.59	580.25	580.13	580.08	580.08	580.29	580.15	579.85	579.62	579.23	579.09	578.99
12	580.46	580.08	580.06	580.07	580.06	580.20	580.15	579.88	579.67	579.24	579.03	578.94
13	580.61	580.20	580.08	580.07	580.14	580.20	580.01	579.85	579.66	579.33	578.95	578.95
14	580.51	580.05	579.98	580.00	580.09	580.16	579.97	579.90	579.62	579.34	578.89	578.82
15	580.37	580.09	579.98	580.11	580.07	580.13	579.99	580.04	579.58	579.11	578.96	578.91
16	580.48	580.10	579.99	580.18	580.17	580.16	580.08	580.09	579.55	579.25	579.03	578.73
17	580.51	580.08	580.02	580.19	580.06	580.10	580.19	580.11	579.48	579.23	579.14	578.88
18	580.46	580.15	579.94	580.21	579.89	580.17	580.07	580.10	579.51	579.25	578.95	579.13
19	580.39	580.19	579.98	580.17	580.01	580.09	580.12	580.03	579.68	579.13	579.11	578.90
20	580.57	580.20	580.03	580.22	580.09	580.02	580.06	580.05	579.62	579.13	578.78	579.00
21	580.56	580.20	580.00	580.01	580.12	580.04	580.09	580.05	579.55	579.10	578.82	579.09
22	580.32	580.23	580.04	580.05	580.15	580.08	580.12	579.81	579.59	579.16	578.96	578.91
23	580.23	580.12	580.02	580.14	580.10	580.12	580.18	579.81	579.67	579.13	578.96	578.95
24	580.41	580.10	579.99	580.10	580.09	580.15	580.08	579.90	579.45	579.11	578.78	578.94
25	580.38	580.11	580.08	580.14	580.05	580.15	580.04	579.82	579.58	579.18	578.76	578.84
26	580.41	580.11	580.08	580.19	580.15	580.21	579.97	579.74	579.48	579.31	578.80	578.99
27	580.53	580.08	580.07	580.20	580.19	580.12	579.98	579.74	579.56	579.13	578.84	578.85
28	580.30	579.96	580.02	580.18	580.18	580.19	579.94	579.76	579.62	579.12	578.83	578.80
29	580.34		579.98	580.11	580.21	580.19	579.98	579.84	579.53	579.11	578.88	578.78
30	580.24		579.97	580.09	580.21	580.12	579.89	579.94	579.38	579.13	578.87	579.09
31	580.34		580.00		580.19		579.86	579.73		579.04		579.09
MEAN	580.48	580.19	580.04	580.10	580.11	580.16	580.06	579.91	579.60	579.24	578.96	578.90
MAX.	580.89	580.83	580.48	580.55	580.43	580.49	580.80	580.57	579.88	580.24	579.59	579.75
	2200/21	2300/07	0800/07	2400/28	0700/31	0100/08	0100/21	0100/17	0500/01	1500/01	0700/19	0900/31
MIN.	579.87	579.05	579.40	579.63	579.69	579.86	579.65	579.55	579.10	578.86	578.56	578.21
	0300/23	1000/08	0700/09	0900/21	1700/18	1000/09	0300/21	1100/22	1800/30	1900/30	2100/20	0400/16

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

/ Indicates No Data.

ANNUAL MEAN: 579.81

ANNUAL SUMMARY OF LEVELS, 1987
Station 5099: DeTour Village, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.44	Jan	578.80	Dec
Daily mean elevation:	580.66	5 Jan	578.31	16 Dec
Instant/hourly Elevation:	580.85	2200/21 Jan	577.93	0900/16 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.66	5 Jan
580.41	7 Feb
580.21	7 Mar
580.24	1 Apr
580.22	9 May
580.18	4 Jun
580.08	24 Jul
580.04	18 Aug
579.71	1 Sep
579.61	1 Oct
579.12	19 Nov
579.02	30 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.00	30 Jan
579.73	8 Feb
579.62	9 Mar
579.69	2 Apr
579.85	19 May
579.94	21 Jun
579.77	31 Jul
579.62	27 Aug
579.30	18 Sep
578.99	23 Oct
578.53	28 Nov
578.31	16 Dec

~~~~~~~~~~~~ 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.
580.60	4												580.60	4
580.40	13	1											580.40	18
580.20	12	7	1	2	1								580.20	41
580.00	1	13	9	16	21	28	16	3					580.00	148
579.80	1	6	19	11	9	2	14	13					579.80	223
579.60		1	2	1			1	15	5	1			579.60	249
579.40									22	2			579.40	273
579.20									3	10			579.20	286
579.00										15	6	2	579.00	309
578.80										3	15	15	578.80	342
578.60											6	11	578.60	359
578.40											3	2	578.40	364
578.20												1	578.20	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5099: DeTour Village, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.64	580.39	579.76	580.24	580.12	580.15	580.03	579.82	579.71	579.61	578.88	578.61
2	580.40	580.32	579.82	579.69	580.02	580.17	580.01	579.91	579.59	579.26	578.95	578.83
3	580.54	580.15	580.09	580.05	579.94	580.13	580.00	579.96	579.60	579.23	579.11	578.82
4	580.59	580.26	580.11	579.91	580.00	580.18	580.05	579.82	579.62	579.47	579.06	578.56
5	580.66	580.38	580.06	579.89	580.05	580.12	579.96	579.77	579.61	579.50	578.94	578.73
6	580.62	580.39	580.12	579.92	580.06	580.12	579.92	579.88	579.61	579.32	579.04	578.70
7	580.37	580.41	580.21	579.99	580.08	580.15	580.00	579.82	579.50	579.02	579.09	578.74
8	580.58	579.73	580.04	579.99	580.08	580.13	580.01	579.83	579.49	579.22	578.89	578.73
9	580.63	580.30	579.62	580.10	580.22	580.08	580.04	579.73	579.52	579.26	578.90	578.82
10	580.31	580.29	579.89	580.06	580.07	580.11	580.07	579.70	579.55	579.26	578.86	578.87
11	580.39	580.20	580.05	579.97	579.95	580.17	580.06	579.77	579.54	579.12	578.95	578.98
12	580.54	579.97	579.99	579.96	580.06	580.16	580.06	579.75	579.58	579.20	579.05	578.78
13	580.59	580.20	580.03	580.05	580.06	580.14	579.91	579.76	579.59	579.22	578.88	578.93
14	580.45	579.91	579.90	579.91	579.99	580.08	579.96	579.79	579.56	579.32	578.86	578.83
15	580.34	579.96	579.88	579.95	580.06	580.11	579.95	579.94	579.55	579.12	578.84	578.71
16	580.53	580.03	579.87	580.10	580.08	580.10	579.96	580.02	579.48	579.12	578.85	578.31
17	580.51	579.93	579.95	580.09	580.04	580.03	580.07	580.01	579.42	579.12	578.97	578.79
18	580.38	580.02	579.90	580.14	579.85	580.06	580.04	580.04	579.30	579.24	578.85	578.98
19	580.39	580.12	579.83	580.09	579.85	580.05	580.02	579.94	579.61	579.09	579.12	578.93
20	580.46	580.12	579.97	580.11	579.98	579.96	580.01	579.98	579.59	579.07	578.73	578.77
21	580.59	580.14	579.96	580.00	580.06	579.94	580.05	579.95	579.43	579.00	578.69	578.99
22	580.31	580.12	579.95	579.95	580.03	580.02	580.03	579.67	579.45	579.15	578.92	579.01
23	580.13	580.01	579.95	580.01	580.02	580.08	580.06	579.76	579.59	578.99	578.84	578.85
24	580.55	580.08	579.88	580.07	580.07	580.10	580.08	579.82	579.39	579.02	578.79	578.89
25	580.55	580.06	579.91	580.08	579.99	580.08	579.95	579.80	579.45	579.13	578.58	578.67
26	580.34	580.05	580.03	580.10	579.98	580.16	579.91	579.68	579.49	579.28	578.64	578.91
27	580.53	580.00	580.03	580.13	580.12	580.08	579.91	579.62	579.45	579.04	578.70	578.88
28	580.25	579.89	579.95	580.21	580.11	580.15	579.89	579.67	579.53	579.12	578.53	578.68
29	580.31		579.94	580.06	580.13	580.11	579.87	579.74	579.49	579.03	578.59	578.53
30	580.00		579.89	580.10	580.13	580.07	579.83	579.84	579.35	579.06	578.68	579.02
31	580.29		579.97		580.16		579.77	579.65		579.00		578.91
MEAN	580.44	580.12	579.95	580.03	580.04	580.10	579.98	579.82	579.52	579.18	578.86	578.80
MAX.	580.85	580.72	580.33	580.54	580.32	580.33	580.29	580.16	579.84	579.94	579.41	579.30
	2200/21	2200/07	0900/07	0200/29	1500/09	1700/11	1900/10	1600/18	0700/01	1600/01	0800/19	2300/30
MIN.	579.77	579.06	579.50	579.46	579.69	579.82	579.68	579.43	579.19	578.71	578.35	577.93
	0200/23	1300/08	0800/09	1400/02	1700/18	2100/20	1700/31	1100/22	0200/30	1800/09	2200/20	0900/16

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

/ Indicates No Data.

ANNUAL MEAN: 579.74

ANNUAL SUMMARY OF LEVELS, 1987

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	581.15	Jan	579.36	Dec
Daily mean elevation:	581.55	25 Jan	578.55	16 Dec
Instant/hourly Elevation:	581.70	1600/1 Apr	578.08	1300/16 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
581.55	25 Jan
581.38	4 Feb
581.19	4 Mar
581.25	1 Apr
581.09	9 May
581.10	2 Jun
580.83	17 Jul
580.63	21 Aug
580.38	4 Sep
580.40	1 Oct
579.83	17 Nov
579.77	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.69	15 Jan
580.64	15 Feb
580.31	30 Mar
580.31	30 Apr
580.51	3 May
580.49	30 Jun
580.17	13 Jul
579.66	22 Aug
579.47	30 Sep
579.37	27 Oct
579.10	5 Nov
578.55	16 Dec

~~~~~~~~~~~~ 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.
581.40	3												581.40	3
581.20	10	7		1									581.20	21
581.00	10	11	5		10	3							581.00	60
580.80	6	9	5	4	15	19	1						580.80	119
580.60	2	1	15	11	3	7	9	2					580.60	169
580.40			4	12	3	1	14	15					580.40	218
580.20			2	2			6	7	4	3			580.20	242
580.00							1	5	18	2			580.00	268
579.80								1	6	9	1		579.80	285
579.60								1	1	9	4	5	579.60	305
579.40									1	7	9	8	579.40	330
579.20										1	13	10	579.20	354
579.00											3	6	579.00	363
578.80												1	578.80	364
578.60													578.60	364
578.40												1	578.40	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	581.25	581.32	580.76	581.25	580.60	581.05	580.39	580.36	580.19	580.40	579.29	579.14
2	580.97	581.17	580.72	580.42	580.58	581.10	580.71	580.42	580.30	579.83	579.56	579.40
3	581.05	581.25	581.05	580.70	580.51	580.92	580.61	580.46	580.26	579.69	579.57	579.48
4	581.19	581.38	581.19	580.59	580.69	580.90	580.37	580.45	580.38	579.85	579.55	579.02
5	581.34	581.31	581.17	580.38	580.90	580.81	580.46	580.46	580.12	580.10	579.10	579.03
6	581.30	581.30	581.07	580.45	580.87	580.81	580.57	580.51	579.93	579.98	579.54	579.11
7	580.73	581.25	581.04	580.55	580.94	580.73	580.63	580.37	579.75	579.48	579.61	579.35
8	581.10	580.89	580.94	580.63	580.94	580.66	580.52	580.17	580.19	579.75	579.32	579.36
9	581.32	581.17	580.59	580.77	581.09	580.71	580.62	580.15	580.16	580.11	579.36	579.44
10	580.93	581.28	580.74	580.76	581.02	580.89	580.62	580.08	580.10	579.90	579.38	579.36
11	580.90	581.09	580.89	580.65	580.77	581.06	580.48	580.46	580.09	579.57	579.53	579.77
12	580.92	580.95	580.84	580.55	580.88	580.88	580.45	580.44	580.12	579.69	579.64	579.34
13	581.29	581.14	580.91	580.64	581.03	580.95	580.17	580.32	580.08	579.78	579.42	579.39
14	581.00	580.88	580.87	580.50	580.72	580.66	580.43	580.50	580.17	579.90	579.32	579.40
15	580.69	580.64	580.59	580.65	580.82	580.74	580.65	580.50	580.21	579.70	579.58	579.40
16	581.10	580.87	580.72	580.88	580.96	580.85	580.68	580.52	580.08	579.80	579.62	578.55
17	581.15	580.92	580.68	580.86	580.96	580.96	580.83	580.38	580.04	579.56	579.83	579.17
18	581.01	581.04	580.69	580.82	580.82	580.91	580.56	580.63	579.89	579.61	579.29	579.74
19	581.10	581.01	580.71	580.84	580.93	580.88	580.69	580.47	580.14	579.88	579.71	579.49
20	581.19	581.03	580.77	580.80	580.92	580.85	580.56	580.56	580.12	579.95	579.24	579.43
21	581.31	580.97	580.73	580.54	581.00	580.71	580.58	580.63	580.08	579.86	579.11	579.44
22	581.21	581.03	580.61	580.74	581.03	580.77	580.63	579.66	580.05	580.30	579.60	579.66
23	581.05	580.93	580.74	580.48	580.94	580.92	580.59	579.97	580.09	580.33	579.53	579.48
24	581.51	581.18	580.73	580.67	580.98	580.94	580.54	580.22	579.96	579.66	579.34	579.59
25	581.55	581.07	580.72	580.60	580.99	580.87	580.25	580.44	579.89	579.50	579.34	579.09
26	581.32	581.08	580.69	580.76	581.02	580.90	580.21	580.44	579.89	579.91	579.16	579.45
27	581.47	580.82	580.64	580.48	581.04	580.81	580.24	580.43	579.94	579.37	579.26	579.36
28	581.25	580.94	580.49	580.49	581.05	580.82	580.56	580.39	580.06	579.63	579.28	579.34
29	581.37		580.53	580.54	581.04	580.82	580.42	580.04	580.10	579.44	579.22	578.98
30	580.99		580.31	580.31	581.04	580.49	580.26	580.34	579.47	579.47	579.24	579.62
31	581.08		580.35		581.08		580.44	580.13		579.46		579.66
MEAN	581.15	581.07	580.76	580.64	580.91	580.85	580.51	580.35	580.06	579.79	579.42	579.36
MAX.	581.68	581.57	581.29	581.70	581.32	581.34	581.15	581.09	580.91	581.17	580.23	580.24
	0500/25	1100/04	1600/04	1600/01	1300/29	1700/11	1600/17	1100/21	2000/04	1900/01	1000/17	2000/18
MIN.	580.39	580.26	580.05	579.69	580.29	580.40	579.74	579.18	579.22	578.91	578.67	578.08
	1600/15	1700/08	0600/30	1800/29	2000/01	0500/15	2000/13	1700/22	0600/30	0200/25	0200/21	1300/16

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

/ Indicates No Data.

ANNUAL MEAN: 580.41

ANNUAL SUMMARY OF LEVELS, 1987

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	600.96	Jan	600.28	May
Daily mean elevation:	601.55	22 Aug	599.62	30 Dec
Instant/hourly Elevation:	602.64	0200/22 Aug	598.69	1800/16 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.36	15 Jan
601.10	8 Feb
600.84	2 Mar
600.78	29 Apr
600.48	23 May
600.78	8 Jun
601.04	26 Jul
601.55	22 Aug
601.05	1 Sep
601.19	2 Oct
601.09	5 Nov
600.71	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.38	29 Jan
600.28	28 Feb
600.17	23 Mar
599.96	1 Apr
599.92	13 May
600.31	1 Jun
600.37	2 Jul
600.52	1 Aug
600.52	27 Sep
600.28	22 Oct
599.90	15 Nov
599.62	30 Dec

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.
601.40								2					601.40	2
601.20	3							1					601.20	6
601.00	11	1					1	4	1	2	1		601.00	27
600.80	11	3	1				5	15	13	4	2		600.80	81
600.60	5	5	2	2		9	14	6	14	11	4	1	600.60	154
600.40		11	7	7	6	18	10	3	2	10	7	14	600.40	249
600.20	1	8	18	15	18	3	1			4	11	8	600.20	336
600.00			3	5	6						3	6	600.00	359
599.80				1	1						2	1	599.80	364
599.60												1	599.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	601.10	600.60	600.43	599.96	600.45	600.31	600.59	600.52	601.05	600.64	600.34	600.47
2	601.05	600.71	600.84	600.37	600.41	600.44	600.37	600.91	600.94	601.19	600.25	600.50
3	601.00	600.86	600.59	600.01	600.38	600.57	600.71	600.81	600.74	600.72	600.40	600.48
4	600.95	600.80	600.19	600.11	600.26	600.51	600.68	601.01	600.53	600.66	600.74	600.51
5	600.84	600.76	600.21	600.45	600.24	600.61	600.45	600.79	600.67	600.69	601.09	600.45
6	600.97	600.82	600.25	600.48	600.33	600.41	600.47	600.63	600.84	601.03	600.86	600.28
7	601.26	600.55	600.39	600.49	600.28	600.48	600.51	600.92	600.91	600.95	600.49	599.98
8	601.20	601.10	600.55	600.37	600.22	600.78	600.55	600.83	600.72	600.55	600.75	600.12
9	600.88	600.62	600.47	600.24	600.35	600.65	600.46	600.83	600.83	600.89	600.57	600.44
10	601.02	600.66	600.32	600.25	600.12	600.50	600.63	600.92	600.67	600.80	600.41	600.44
11	601.20	600.46	600.32	600.34	600.33	600.40	600.61	600.56	600.75	600.65	600.37	600.13
12	601.19	600.87	600.51	600.40	600.19	600.57	600.66	600.60	600.80	600.55	600.32	600.41
13	600.74	600.38	600.29	600.33	599.92	600.51	600.98	600.79	600.95	600.41	600.49	600.53
14	601.11	600.57	600.37	600.35	600.29	600.62	600.90	600.72	600.90	600.63	600.38	600.41
15	601.36	600.57	600.34	600.24	600.15	600.62	600.64	600.75	600.76	600.43	599.90	600.30
16	601.06	600.46	600.28	600.20	600.06	600.61	600.48	600.80	600.80	600.35	599.93	600.71
17	600.84	600.43	600.30	600.22	600.24	600.38	600.53	601.04	600.66	600.93	600.44	600.34
18	601.09	600.40	600.24	600.28	600.23	600.42	600.70	600.90	600.70	600.69	600.67	600.10
19	600.81	600.44	600.30	600.15	600.11	600.62	600.59	601.09	600.68	600.56	600.82	600.25
20	600.81	600.41	600.39	600.20	600.28	600.48	600.77	600.94	600.75	600.48	600.67	600.48
21	600.72	600.38	600.31	600.57	600.18	600.48	600.73	600.84	600.87	600.61	600.28	600.59
22	601.23	600.39	600.28	600.27	600.42	600.56	600.67	601.55	600.82	600.28	600.11	600.32
23	601.16	600.54	600.17	600.51	600.48	600.46	600.79	601.43	600.97	600.37	600.41	600.32
24	601.17	600.43	600.20	600.34	600.44	600.48	600.83	601.12	600.99	600.55	600.39	600.16
25	600.89	600.40	600.29	600.29	600.33	600.56	600.94	600.97	600.85	600.45	600.25	600.50
26	600.70	600.33	600.46	600.22	600.25	600.59	601.04	600.86	600.78	600.34	600.30	600.30
27	600.73	600.35	600.34	600.74	600.28	600.67	600.94	600.88	600.52	600.89	600.20	600.37
28	600.86	600.28	600.48	600.46	600.33	600.56	600.77	600.87	600.63	600.64	600.07	600.16
29	600.38		600.65	600.78	600.36	600.58	600.78	600.84	600.90	600.54	600.29	600.18
30	600.84		600.65	600.56	600.39	600.67	600.77	600.96	601.00	600.71	600.52	599.62
31	600.61		600.28		600.46		600.58	601.27		600.42		600.46
MEAN	600.96	600.56	600.38	600.34	600.28	600.54	600.68	600.90	600.80	600.63	600.42	600.33
MAX.	601.99	601.76	601.42	601.64	601.21	601.24	602.24	602.64	601.58	602.25	601.98	601.35
	2400/11	0600/08	2300/29	1800/27	2000/16	0900/08	0600/21	0200/22	2200/29	0600/02	0700/05	2400/09
MIN.	599.93	599.88	599.71	599.33	598.69	599.61	598.88	599.56	599.82	599.67	599.23	599.22
	1500/06	0600/27	1800/06	2200/20	1800/16	2100/06	1700/20	1300/06	1300/04	1600/13	1000/16	0300/31

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

/ Indicates No Data.

ANNUAL MEAN: 600.57

ANNUAL SUMMARY OF LEVELS, 1987
Station 7023: Ludington, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.79	Jan	579.17	Dec
Daily mean elevation:	581.10	2 Jan	578.90	20 Nov
Instant/hourly Elevation:	581.31	2100/6 Jan	578.60	2300/19 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
581.10	2 Jan
580.81	1 Feb
580.97	1 Mar
580.75	22 Apr
580.71	19 May
580.58	2 Jun
580.57	12 Jul
580.44	16 Aug
580.15	21 Sep
579.73	1 Oct
579.56	2 Nov
579.45	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.26	24 Jan
580.39	8 Feb
580.21	31 Mar
580.24	30 Apr
580.27	9 May
580.38	28 Jun
580.16	27 Jul
579.91	23 Aug
579.63	30 Sep
579.30	28 Oct
578.90	20 Nov
578.96	21 Dec

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.
581.00	3												581.00	3
580.80	11	1	1										580.80	16
580.60	13	6	2	6	3								580.60	46
580.40	2	20	22	19	22	27	13	2					580.40	173
580.20	2	1	6	5	6	3	16	12					580.20	224
580.00							2	14	7				580.00	247
579.80								3	20				579.80	270
579.60									3	7			579.60	280
579.40										16	6	1	579.40	303
579.20										8	13	12	579.20	336
579.00											9	15	579.00	360
578.80											2	3	578.80	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7023: Ludington, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.95	580.81	580.97	580.61	580.42	580.53	580.49	580.33	579.87	579.73	579.51	579.26
2	581.10	580.72	580.51	580.70	580.46	580.58	580.53	580.40	579.91	579.61	579.56	579.06
3	580.96	580.65	580.27	580.40	580.59	580.52	580.48	580.28	579.95	579.65	579.44	579.08
4	580.95	580.44	580.46	580.39	580.51	580.43	580.34	580.23	579.92	579.53	579.39	579.16
5	580.93	580.51	580.58	580.38	580.47	580.49	580.49	580.22	579.98	579.60	579.08	579.04
6	581.08	580.47	580.43	580.45	580.41	580.51	580.52	580.14	580.02	579.70	579.04	579.13
7	580.90	580.52	580.37	580.41	580.39	580.57	580.48	580.07	579.99	579.66	579.13	579.21
8	580.75	580.39	580.49	580.45	580.44	580.48	580.44	580.07	579.99	579.49	579.34	579.29
9	580.77	580.43	580.65	580.41	580.27	580.39	580.47	580.32	579.88	579.57	579.25	579.39
10	581.06	580.47	580.62	580.50	580.49	580.44	580.54	580.19	579.89	579.41	579.25	579.03
11	580.93	580.59	580.47	580.57	580.53	580.51	580.50	580.22	580.00	579.56	579.21	579.15
12	580.66	580.57	580.47	580.54	580.39	580.46	580.57	580.20	579.94	579.47	579.14	579.31
13	580.85	580.51	580.42	580.48	580.48	580.47	580.44	580.17	579.86	579.53	579.24	579.00
14	580.91	580.80	580.55	580.73	580.45	580.52	580.20	580.26	579.79	579.44	579.18	579.06
15	580.79	580.63	580.49	580.73	580.35	580.45	580.30	580.40	579.81	579.56	579.38	579.45
16	580.64	580.60	580.52	580.58	580.39	580.42	580.33	580.44	579.87	579.65	579.39	579.39
17	580.80	580.71	580.41	580.60	580.40	580.50	580.28	580.42	580.10	579.60	579.41	579.13
18	580.80	580.57	580.45	580.53	580.63	580.53	580.25	580.24	580.11	579.34	579.13	579.24
19	580.77	580.53	580.59	580.55	580.71	580.50	580.41	580.27	580.04	579.44	578.93	579.04
20	580.85	580.53	580.39	580.58	580.58	580.56	580.32	580.18	580.04	579.50	578.90	579.40
21	580.67	580.55	580.42	580.47	580.54	580.57	580.33	580.25	580.15	579.52	579.10	578.96
22	580.81	580.63	580.39	580.75	580.49	580.47	580.33	580.11	580.11	579.55	579.11	579.11
23	580.54	580.56	580.46	580.67	580.47	580.44	580.31	579.91	579.91	579.64	579.31	579.10
24	580.26	580.46	580.54	580.55	580.41	580.44	580.30	579.94	579.87	579.43	579.05	579.27
25	580.40	580.48	580.59	580.60	580.51	580.55	580.36	580.01	579.82	579.36	579.26	579.21
26	580.69	580.49	580.42	580.56	580.66	580.43	580.29	580.18	579.79	579.36	579.22	579.09
27	580.66	580.57	580.43	580.53	580.52	580.40	580.16	580.14	579.97	579.38	579.25	578.99
28	580.65	580.56	580.41	580.31	580.54	580.38	580.24	580.06	579.87	579.30	579.46	579.22
29	580.76		580.52	580.41	580.52	580.47	580.24	580.02	579.92	579.37	579.45	579.24
30	580.93		580.34	580.24	580.51	580.49	580.21	580.01	579.63	579.32	579.28	579.15
31	580.59		580.21		580.47		580.33	579.95		579.38		579.18
MEAN	580.79	580.56	580.48	580.52	580.48	580.48	580.37	580.18	579.93	579.50	579.25	579.17
MAX.	581.31	581.03	581.22	581.07	580.97	580.84	580.76	581.07	580.34	580.05	579.79	580.25
	2100/06	1700/01	1900/01	2300/01	1300/22	0700/02	2000/12	0800/17	2000/17	2100/01	0400/29	2100/15
MIN.	580.16	580.01	580.05	580.04	580.15	580.20	579.70	579.77	579.45	579.11	578.60	578.67
	2000/24	0800/08	0800/31	0200/22	2000/22	0900/09	0100/30	0100/23	1900/30	0100/28	2300/19	1000/19

ANNUAL MEAN: 580.14

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

ANNUAL SUMMARY OF LEVELS, 1987
Station 7031: Holland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.68	Jan	579.06	Dec
Daily mean elevation:	581.12	10 Jan	578.78	30 Dec
Instant/hourly Elevation:	581.28	1500/10 Jan	578.60	2200/21 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
581.12	10 Jan
580.81	14 Feb
580.97	1 Mar
580.80	2 Apr
580.63	19 May
580.54	21 Jun
580.41	1 Jul
580.25	9 Aug
580.20	21 Sep
579.87	2 Oct
579.42	1 Nov
579.60	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.22	24 Jan
580.25	9 Feb
580.15	31 Mar
580.15	28 Apr
580.00	9 May
580.27	4 Jun
579.99	17 Jul
579.81	24 Aug
579.65	14 Sep
579.13	26 Oct
578.84	19 Nov
578.78	30 Dec

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.
581.00	2												581.00	2
580.80	3	1	2										580.80	8
580.60	7	4		5	1								580.60	25
580.40	7	15	10	14	7	8	1						580.40	87
580.20	1	7	17	10	21	22	13	2					580.20	180
580.00			2	1	1		15	19	5				580.00	223
579.80					1		2	10	11	2			579.80	249
579.60									14	2			579.60	265
579.40										11	1	2	579.40	279
579.20										12	9	4	579.20	304
579.00										4	15	10	579.00	333
578.80											5	13	578.80	351
578.60												2	578.60	353

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7031: Holland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.86	580.61	580.97	580.39	580.25	580.37	580.41	580.20	579.74	579.52	579.42	579.30
2	581.02*	580.55	580.49	580.80	580.46	580.40	580.38	580.20	579.94	579.87	579.40	578.97
3	/	580.61	580.28	580.34	580.50	580.37	580.38	580.08	579.85	579.65	579.20	579.09
4	/	580.34	580.30	580.41	580.42	580.27	580.25	580.21	579.80	579.46	579.26	579.14
5	580.61*	580.29	580.46	580.50	580.36	580.38	580.35	580.14	579.82	579.55	579.05	578.97
6	580.74*	580.32	580.32	580.48	580.29	580.40	580.38	579.99	579.83	579.67	578.95	579.03
7	/	580.28	580.16	580.43	580.31	580.38	580.31	580.00	579.88	579.82	579.04	579.01
8	580.60*	580.74	580.48	580.42	580.28	580.41	580.30	579.93	579.86	579.48	579.28	579.08
9	580.66	580.25	580.90	580.26	580.00	580.35	580.31	580.25	579.77	579.50	579.15	579.12
10	581.12*	580.38	580.50	580.36	580.26	580.30	580.32	580.12	579.78	579.39	579.20	578.85
11	/	580.51	580.40	580.51	580.35	580.30	580.31	580.13	579.84	579.44	579.10	578.95
12	/	580.53	580.36	580.46	580.22	580.29	580.34	580.13	579.77	579.37	579.03	579.19
13	/	580.32	580.27	580.38	580.30	580.32	580.34	580.09	579.70	579.33	579.14*	578.91
14	/	580.81	580.45	580.64	580.33	580.35	580.09	580.15	579.65	579.16	579.09	578.98
15	580.74*	580.54	580.41	580.68	580.22	580.36	580.14	580.14	579.69	579.35	579.23	579.60
16	580.55	580.50	580.38	580.52	580.15	580.33	580.16	580.10	579.75	579.42	579.27	579.45
17	580.69	580.65	580.30	580.46	580.24	580.42	579.99	580.15	580.01	579.45	579.20	579.10
18	/	580.53*	580.39	580.39	580.51*	580.39	580.00	580.04	580.10	579.18	579.14	578.95
19	580.74*	/	580.47	580.46	580.63*	580.38	580.13	580.09	579.95	579.34	578.84	578.91
20	580.74	580.41*	580.29	580.40	580.46	580.50	580.12	580.01	580.05	579.32	579.09	579.27
21	580.44	580.43	580.34	580.59	580.39	580.54	580.09	580.11	580.20	579.50	578.99	578.78
22	580.89	580.50	580.33	580.64	580.44	580.46	580.14	580.12	580.09	579.41	578.93	578.97
23	580.52	580.51	580.36	580.63	580.36	580.38	580.08	579.84	579.82	579.51	579.09	579.00
24	580.22	580.43	580.45	580.53	580.31	580.36	580.06	579.81	579.96	579.39	578.96	579.15
25	/	580.45	580.41	580.49	580.40	580.42	580.20	579.86	579.71	579.19	579.33	579.21
26	/	580.44	580.28	580.46	580.48	580.31	580.19	580.06	579.68	579.13	579.18	578.97
27	/	580.49	580.30	580.40	580.34	580.33	580.05	580.08	579.82	579.28	579.16	578.88
28	580.48*	580.59	580.37	580.15	580.35	580.32	580.05	579.97	579.68	579.21	579.35	579.24
29	580.54		580.57	580.33	580.33	580.45	580.08	579.87	579.77	579.27	579.39	579.20
30	580.92		580.32	580.23	580.33	580.47	580.11	579.83	579.68	579.21	579.35	578.78
31	580.46		580.15		580.33		580.23	579.88		579.25		578.94
MEAN	580.68	580.48	580.40	580.46	580.34	580.38	580.20	580.05	579.84	579.41	579.16	579.06
MAX.	581.28	581.12	581.17	581.20	580.73	580.62	580.54	580.42	580.33	579.99	579.60	580.30
	1500/10	1000/08	1600/01	0300/02	1600/18	2100/20	2300/05	1600/09	1300/21	0900/02	0200/29	1900/15
MIN.	580.10	580.04	579.96	579.95	579.88	580.16	579.82	579.68	579.48	579.03	578.65	578.60
	1500/24	1900/09	2100/31	0700/01	1500/09	2100/04	0100/21	0900/30	0900/26	1000/18	0700/19	2200/21

ANNUAL MEAN: 580.04

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

ANNUAL SUMMARY OF LEVELS, 1987

Station 7044: Calumet Harbor, Illinois on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.71	Jan	579.07	Dec
Daily mean elevation:	581.69	9 Mar	578.45	31 Dec
Instant/hourly Elevation:	583.20	0915/8 Feb	578.00	0400/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
581.38	10 Jan
581.65	8 Feb
581.69	9 Mar
580.96	2 Apr
580.83	19 May
580.64	21 Jun
580.56	1 Jul
580.44	4 Aug
580.27	22 Sep
580.11	7 Oct
579.68	25 Nov
579.88	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.11	21 Jan
580.26	7 Feb
580.18	7 Mar
580.19	28 Apr
580.03	9 May
580.26	28 Jun
580.01	24 Jul
579.77	30 Aug
579.62	28 Sep
579.00	14 Oct
578.58	19 Nov
578.45	31 Dec

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.
581.60		1	1										581.60	2
581.40													581.40	2
581.20	1												581.20	3
581.00	1	3											581.00	7
580.80	9	2	3	5	1								580.80	27
580.60	10	4	9	6	6	3							580.60	65
580.40	7	12	12	15	13	16	5	2					580.40	147
580.20	2	6	5	3	10	11	13	8	2				580.20	207
580.00	1		1	1	1		13	16	4	2			580.00	246
579.80								4	16	1		1	579.80	268
579.60								1	8	2	1	1	579.60	281
579.40										5	6	3	579.40	295
579.20										16	8	4	579.20	323
579.00										4	7	9	579.00	343
578.80										1	4	8	578.80	356
578.60											3	3	578.60	362
578.40											1	2	578.40	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7044: Calumet Harbor, Illinois on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.92	580.48	581.00	580.34	580.42	580.34	580.56	580.19	579.82	579.25	579.51	579.52
2	581.12	580.40	580.49	580.96	580.65	580.48	580.48	580.14	580.17	580.09	579.40	578.93
3	580.88	580.66	580.41	580.54	580.75	580.39	580.39	580.08	580.01	579.89	579.13	579.25
4	580.83	580.51	580.41	580.78	580.65	580.36	580.37	580.44	579.90	579.29	579.20	579.37
5	580.64	580.34	580.62	580.91	580.50	580.40	580.50	580.43	579.87	579.29	579.19	579.08
6	580.67	580.26	580.43	580.72	580.36	580.41	580.41	580.16	579.87	579.69	578.98	579.13
7	580.88	580.26	580.18	580.55	580.38	580.28	580.37	580.09	579.98	580.11	578.96	579.03
8	580.56	581.65	580.68	580.54	580.33	580.37	580.27	580.13	579.95	579.53	579.33	579.08
9	580.72	580.38	581.69	580.35	580.03	580.61	580.21	580.36	579.90	579.24	579.49	578.82
10	581.38	580.36	580.92	580.44	580.33	580.49	580.21	580.35	579.92	579.57	579.60	578.76
11	580.63	580.58	580.50	580.57	580.37	580.29	580.18	580.29	579.93	579.61	579.10	578.83
12	580.59	580.71	580.41	580.54	580.51	580.27	580.20	580.24	579.84	579.33	578.86	578.88
13	580.56	580.48	580.40	580.51	580.49	580.41	580.35	580.18	579.80	579.16	579.15	578.85
14	580.75	581.11	580.80	580.85	580.38	580.41	580.29	580.28	579.74	579.00	579.25	579.12
15	580.96	580.97	580.81	580.75	580.42	580.54	580.42	580.08	579.76	579.35	579.31	579.88
16	580.80	581.03	580.68	580.66	580.30	580.49	580.34	580.11	579.81	579.32	579.30	579.59
17	580.82	581.05	580.50	580.54	580.34	580.55	580.06	580.16	579.98	579.27	578.78	579.16
18	580.74	580.68	580.68	580.44	580.65	580.44	580.06	580.05	580.17	579.07	578.91	578.66
19	580.96	580.52	580.64	580.55	580.83	580.44	580.11	580.12	579.88	579.46	578.58	578.88
20	580.55	580.52	580.42	580.47	580.63	580.62	580.12	580.07	579.91	579.39	579.25	578.96
21	580.11	580.48	580.49	580.92	580.50	580.64	580.11	579.93	580.21	579.39	579.06	578.50
22	580.86	580.48	580.47	580.90	580.50	580.58	580.15	580.27	580.27	579.16	578.69	578.83
23	580.63	580.54	580.53	580.71	580.52	580.49	580.01	580.10	579.81	579.47	578.75	579.02
24	580.30	580.52	580.61	580.77	580.56	580.46	580.01	580.05	580.12	579.47	579.14	579.28
25	580.49	580.57	580.39	580.57	580.65	580.47	580.19	579.93	579.77	579.27	579.68	579.36
26	580.61	580.55	580.24	580.55	580.58	580.37	580.30	580.21	579.68	579.09	579.51	579.13
27	580.22	580.65	580.38	580.37	580.44	580.42	580.21	580.34	579.78	579.28	579.42	579.04
28	580.56	580.92	580.54	580.19	580.43	580.26	580.16	580.17	579.62	579.27	579.56	579.65
29	580.66		580.80	580.41	580.41	580.32	580.16	579.94	579.69	579.33	579.32	579.53
30	580.95		580.61	580.42	580.36	580.44	580.22	579.77	579.84	579.24	579.36	578.62
31	580.52		580.35		580.34		580.29	579.97		579.39		578.45
MEAN	580.71	580.63	580.58	580.59	580.47	580.43	580.25	580.15	579.90	579.40	579.19	579.07
MAX.	581.69	583.20	582.30	581.56	581.23	580.93	581.42	580.84	580.61	580.83	580.03	580.61
	2200/10	0915/08	0600/09	0100/22	1700/18	1500/02	1800/20	1100/22	2200/21	2100/02	1900/25	1000/15
MIN.	579.70	579.41	579.93	579.42	579.83	579.73	579.18	579.32	579.35	578.66	578.01	578.00
	1800/11	2000/07	2100/31	0400/01	1800/09	0300/08	2100/20	0700/21	0700/26	1400/01	0700/19	0400/31

ANNUAL MEAN: 580.11

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

ANNUAL SUMMARY OF LEVELS, 1987

Station 7057: Milwaukee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.77	Jan	579.12	Dec
Daily mean elevation:	582.10	9 Mar	578.65	19 Nov
Instant/hourly Elevation:	582.95	0750/9 Mar	578.39	0800/21 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
581.39	10 Jan
581.36	8 Feb
582.10	9 Mar
580.96	2 Apr
580.78	19 May
580.65	21 Jun
580.50	6 Jul
580.42	5 Aug
580.21	21 Sep
579.80	2 Oct
579.65	28 Nov
579.99	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.22	24 Jan
580.38	6 Feb
580.28	7 Mar
580.29	28 Apr
580.16	9 May
580.35	4 Jun
580.09	23 Jul
579.91	31 Aug
579.70	29 Sep
579.18	18 Oct
578.65	19 Nov
578.66	21 Dec

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.
582.00			1										582.00	1
581.80													581.80	1
581.60													581.60	1
581.40													581.40	1
581.20	1	1											581.20	3
581.00	1	2	1										581.00	7
580.80	15	3	2	5									580.80	32
580.60	7	6	8	5	6	2							580.60	66
580.40	6	15	15	17	16	22	7	1					580.40	165
580.20	1	1	4	3	8	6	14	15	1				580.20	218
580.00					1		10	10	6				580.00	245
579.80								5	16			1	579.80	267
579.60									7	3	1		579.60	278
579.40										12	3	1	579.40	294
579.20										14	12	7	579.20	327
579.00										2	10	12	579.00	351
578.80											3	8	578.80	362
578.60											1	2	578.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7057: Milwaukee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.95	580.70	581.05	580.52	580.38	580.48	580.49	580.35	579.88	579.49	579.60	579.34
2	581.10	580.60	580.50	580.96	580.60	580.48	580.49	580.29	580.06	579.80	579.52	578.98
3	580.90	580.64	580.36	580.49	580.71	580.43	580.41	580.16	579.98	579.77	579.30	579.15
4	580.92	580.43	580.52	580.52	580.55	580.35	580.34	580.35	579.96	579.51	579.22	579.18
5	580.88	580.41	580.63	580.81	580.48	580.41	580.50	580.42	579.93	579.51	579.02	579.04
6	580.98	580.38	580.43	580.61	580.38	580.48	580.50	580.27	579.91	579.57	578.99	579.17
7	580.86	580.42	580.28	580.48	580.40	580.43	580.43	580.16	579.94	579.79	579.08	579.24
8	580.64	581.36	580.73	580.49	580.38	580.46	580.37	580.22	579.91	579.57	579.34	579.24
9	580.81	580.46	582.10	580.40	580.16	580.42	580.37	580.35	579.82	579.40	579.30	579.03
10	581.39	580.48	580.79	580.46	580.46	580.45	580.31	580.25	579.90	579.47	579.37	578.86
11	580.75	580.67	580.52	580.59	580.51	580.46	580.29	580.32	579.99	579.48	579.15	578.98
12	580.65	580.68	580.46	580.51	580.40	580.38	580.31	580.27	579.83	579.39	579.09	578.95
13	580.82	580.60	580.50	580.52	580.50	580.44	580.33	580.24	579.80	579.38	579.21	578.83
14	580.88	581.09	580.79	580.85	580.43	580.46	580.25	580.34	579.74	579.18	579.20	579.08
15	580.87	580.89	580.86	580.77	580.37	580.40	580.44	580.23	579.80	579.44	579.38	579.99
16	580.70	580.92	580.71	580.60	580.35	580.41	580.32	580.26	579.87	579.49	579.39	579.38
17	580.85	580.92	580.59	580.57	580.40	580.52	580.20	580.16	580.11	579.30	579.14	579.14
18	580.77	580.68	580.77	580.51	580.70	580.48	580.16	580.09	580.17	579.18	578.99	578.98
19	580.90	580.55	580.64	580.57	580.78	580.46	580.24	580.13	579.96	579.39	578.65	579.02
20	580.68	580.56	580.42	580.56	580.60	580.62	580.18	580.08	580.03	579.35	579.00	579.09
21	580.53	580.55	580.48	580.89	580.63	580.65	580.18	580.19	580.21	579.41	579.06	578.66
22	580.83	580.56	580.48	580.86	580.58	580.56	580.19	580.12	580.17	579.40	579.04	579.00
23	580.53	580.54	580.52	580.68	580.46	580.51	580.09	579.96	579.85	579.52	579.04	579.11
24	580.22	580.49	580.64	580.63	580.48	580.50	580.13	579.97	580.05	579.36	579.07	579.30
25	580.43	580.57	580.56	580.61	580.61	580.49	580.20	579.99	579.83	579.28	579.57	579.21
26	580.63	580.59	580.36	580.57	580.69	580.36	580.25	580.32	579.77	579.24	579.36	579.03
27	580.46	580.68	580.42	580.48	580.54	580.39	580.18	580.28	579.89	579.27	579.37	579.08
28	580.60	581.07	580.48	580.29	580.54	580.36	580.19	580.13	579.72	579.24	579.65	579.51
29	580.89		580.81	580.41	580.48	580.48	580.22	580.02	579.70	579.34	579.40	579.36
30	580.89		580.45	580.35	580.46	580.44	580.23	579.91	579.72	579.26	579.33	578.98
31	580.59		580.30		580.45		580.34	579.91		579.41		578.74
MEAN	580.77	580.66	580.62	580.59	580.50	580.46	580.29	580.19	579.92	579.43	579.23	579.12
MAX.	581.55	582.07	582.95	581.22	581.01	580.76	580.72	580.71	580.38	580.12	579.95	581.05
	1400/10	1200/08	0750/09	1600/21	1600/18	2100/20	0100/07	1600/26	1100/21	1900/02	1600/28	0900/15
MIN.	580.10	580.14	580.18	580.04	580.01	580.22	579.80	579.74	579.53	579.01	578.47	578.39
	1400/24	1900/09	0900/31	0700/28	1600/09	1200/03	2300/20	2300/31	0600/29	0900/18	0900/19	0800/21

ANNUAL MEAN: 580.15

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

ANNUAL SUMMARY OF LEVELS, 1987
Station 7068: Kewaunee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.66	Jan	579.06	Dec
Daily mean elevation:	580.98	10 Jan	578.72	19 Nov
Instant/hourly Elevation:	581.24	0800/6 Jan	578.53	2100/19 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.98	10 Jan
580.76	14 Feb
580.87	1 Mar
580.65	22 Apr
580.68	19 May
580.53	21 Jun
580.43	5 Jul
580.35	5 Aug
580.14	18 Sep
579.73	3 Oct
579.52	2 Nov
579.46	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.12	24 Jan
580.34	10 Feb
580.19	31 Mar
580.25	28 Apr
580.16	9 May
580.29	8 Jun
580.08	26 Jul
579.76	31 Aug
579.57	29 Sep
579.13	10 Oct
578.72	19 Nov
578.77	21 Dec

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.
580.80	6		1										580.80	7
580.60	13	5	1	4	2								580.60	32
580.40	9	18	15	13	14	13	3						580.40	117
580.20	2	5	13	13	14	17	13	9					580.20	203
580.00	1		1		1		15	15	5				580.00	241
579.80								4	13				579.80	258
579.60								1	9	2			579.60	270
579.40									2	9	4	1	579.40	286
579.20										12	7	3	579.20	308
579.00										5	13	14	579.00	340
578.80											5	11	578.80	356
578.60											1	2	578.60	359

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7068: Kewaunee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.78	580.62	580.87	580.45	580.36	580.45	580.34	580.34	579.77	579.66	579.52	579.18
2	580.97	580.57	580.44	580.61	580.41	580.44	580.43	580.25	579.91	579.47	579.52	578.98
3	580.85	580.52	580.24	580.40	580.49	580.38	580.28	580.19	579.89	579.73	579.34	578.95
4	580.83	580.39	580.44	580.35	580.41	580.33	580.27	580.19	579.89	579.51	579.21	579.05
5	580.79	580.41	580.50	580.31	580.41	580.37	580.43	580.35	579.84	579.47	578.92	578.98
6	580.87	580.37	580.39	580.35	580.31	580.51	580.42	580.23	579.84	579.41	578.99	579.08
7	580.73	580.42	580.32	580.33	580.32	580.48	580.37	580.07	579.82	579.51	579.11	579.20
8	580.61	580.34	580.39	580.38	580.38	580.29	580.33	580.05	579.87	579.53	579.20	579.20
9	580.71	580.49	580.63	580.40	580.16	580.32	580.36	580.26	579.80	579.38	579.18	579.11
10	580.98	580.34	580.60	580.40	580.38	580.39	580.36	580.20	579.80	579.13*	579.20	578.88
11	580.76	580.55	580.43	580.53	580.42	580.47	580.32	580.28	579.93	/	579.13	579.05
12	580.54	580.45	580.34	580.44	580.31	580.31	580.33	580.21	579.84	/	579.05	579.00
13	580.83	580.50	580.39	580.44	580.47	580.39	580.17	580.11	579.70	/	579.10	578.80
14	580.76	580.76	580.51	580.62	580.40	580.41	580.18	580.29	579.70	579.15*	579.12	578.95
15	580.65	580.65	580.55	580.65	580.29	580.31	580.32	580.24	579.75	579.38	579.35	579.46
16	580.60	580.61	580.53	580.49	580.35	580.36	580.31	580.19	579.83	579.52	579.39	579.27
17	580.73	580.68	580.41	580.52	580.34	580.44	580.17	580.07	580.04	579.38	579.31	579.07
18	580.57	580.55	580.52	580.49	580.61	580.43	580.12	580.04	580.14	579.22	578.95	579.09
19	580.67	580.47	580.49	580.49	580.68	580.35	580.29	580.06	580.03	579.31	578.72	578.99
20	580.67	580.49	580.32	580.52	580.50	580.48	580.18*	580.07	580.01	579.39	578.82	579.15
21	580.53	580.52	580.39	580.34	580.53	580.53	580.18	580.16	/	579.40	579.09	578.77
22	580.59	580.52	580.39	580.65	580.43	580.42	580.19*	579.97	580.03*	579.44	579.07	578.99
23	580.34	580.46	580.42	580.53	580.44	580.43	580.17	579.92	579.82	579.50	579.08	579.08
24	580.12	580.39	580.50	580.43	580.36	580.41	580.09	579.97	579.86	579.30	578.95	579.23
25	580.30	580.46	580.54	580.48	580.43	580.40	580.13	579.92	579.78	579.28	579.24	579.10
26	580.57	580.47	580.32	580.50	580.60	580.30	580.08	580.15	579.71	579.26	579.20	578.98
27	580.46	580.53	580.36	580.37	580.48	580.32	580.14	580.11	579.87	579.20	579.21	578.93
28	580.53	580.56	580.32	580.25	580.47	580.31	580.13	580.09*	579.67	579.19	579.44	579.23
29	580.74		580.43	580.30	580.40	580.36	580.20	/	579.57	579.32	579.44	579.20
30	580.77		580.24	580.26	580.40	580.33	580.16	/	579.59	579.19	579.17	579.20
31	580.58		580.19		580.40		580.34	579.76*		579.28		578.83
MEAN	580.66	580.50	580.43	580.44	580.42	580.39	580.25	580.13	579.84	579.38	579.17	579.06
MAX.	581.24	580.90	581.15	580.91	580.87	580.74	580.79	580.59	580.38	579.88	579.87	579.92
	0800/06	1700/15	0800/01	0400/15	2300/18	1100/06	0500/07	2300/21	1600/18	1300/03	0100/29	0900/15
MIN.	579.99	579.93	580.00	579.96	580.00	579.98	579.87	579.63	579.34	578.85	578.53	578.56
	0100/25	0700/08	0300/31	1500/21	0500/02	1000/08	0300/30	2300/31	1300/13	1200/24	2100/19	2100/31

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

/ Indicates No Data.

ANNUAL MEAN: 580.06

ANNUAL SUMMARY OF LEVELS, 1987

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.62	Jan	579.00	Dec
Daily mean elevation:	580.94	2 Jan	578.62	19 Nov
Instant/hourly Elevation:	581.07	1000/1 Mar	578.48	1600/21 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.94	2 Jan
580.68	14 Feb
580.84	1 Mar
580.62	15 Apr
580.61	19 May
580.49	20 Jun
580.40	2 Jul
580.34	1 Aug
580.11	18 Sep
579.61	3 Oct
579.47	2 Nov
579.27	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.04	24 Jan
580.21	8 Feb
580.12	31 Mar
580.19	28 Apr
580.14	9 May
580.25	15 Jun
580.00	21 Jul
579.75	31 Aug
579.54	30 Sep
579.13	30 Oct
578.62	19 Nov
578.69	21 Dec

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.
580.80	4		1										580.80	5
580.60	15	3		1	1								580.60	25
580.40	9	17	9	13	8	9							580.40	90
580.20	2	8	18	15	21	21	16	6					580.20	197
580.00	1		3	1	1		14	17	3				580.00	237
579.80							1	7	11				579.80	256
579.60								1	15	1			579.60	273
579.40									1	8	3		579.40	285
579.20										16	5	3	579.20	309
579.00										6	15	14	579.00	344
578.80											5	11	578.80	360
578.60											2	3	578.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.79	580.61	580.84	580.46	580.33	580.41	580.33	580.34	579.74	579.54	579.44	579.12
2	580.94	580.52	580.37	580.58	580.39	580.39	580.40	580.26	579.90	579.36	579.47	578.89
3	580.82	580.48	580.15	580.34	580.43	580.35	580.29	580.15	579.84	579.61	579.35	578.90
4	580.80	580.32	580.41	580.25	580.38	580.29	580.23	580.16	579.79	579.44	579.17	579.01
5	580.76	580.37	580.46	580.23	580.34	580.31	580.38	580.29	579.81	579.43	578.87	578.91
6	580.84	580.36	580.35	580.27	580.27	580.44	580.37	580.13	579.82	579.40	578.93	579.02
7	580.68	580.41	580.30	580.30	580.29	580.45	580.32	580.03	579.80	579.45	579.05	579.16
8	580.62	580.21	580.30	580.34	580.33	580.29	580.32	579.99	579.82	579.46	579.16	579.14
9	580.68	580.39	580.50	580.34	580.14	580.31	580.31	580.22	579.78	579.25	579.12	579.12
10	580.93	580.23	580.52	580.38	580.30	580.32	580.32	580.16	579.78	579.22	579.15	578.81
11	580.70	580.53	580.39	580.50	580.37	580.41	580.24	580.21	579.88	579.35	579.04	579.03
12	580.47	580.38	580.32	580.37	580.25	580.31	580.32	580.13	579.84	579.30	579.03	578.98
13	580.78	580.46	580.35	580.27	580.37	580.40	580.20	580.07	579.72	579.36	579.09	578.79
14	580.73	580.68	580.43	580.52	580.33	580.37	580.18	580.22	579.70	579.18	579.09	578.92
15	580.58	580.56	580.49	580.62	580.22	580.25	580.23	580.20	579.67	579.37	579.32	579.27
16	580.53	580.57	580.44	580.44	580.33	580.34	580.21	580.19	579.77	579.48	579.28	579.21
17	580.65	580.61	580.33	580.46	580.30	580.42	580.13	580.09	580.04	579.35	579.27	579.03
18	580.61	580.50	580.40	580.43	580.54	580.41	580.10	580.04	580.11	579.18	578.85	578.95
19	580.64	580.43	580.40	580.47	580.61	580.33	580.25	580.07	579.95	579.26	578.62	578.87
20	580.63	580.44	580.26	580.47	580.43	580.49	580.13	580.02	579.95	579.30	578.77	579.11
21	580.52	580.48	580.33	580.31	580.47	580.48	580.00	580.12	580.03	579.36	579.00	578.69
22	580.49	580.52	580.35	580.58	580.40	580.42	580.15	579.91	579.98	579.44	579.03	578.92
23	580.23	580.43	580.36	580.49	580.40	580.37	580.10	579.90	579.73	579.48	579.06	579.01
24	580.04	580.34	580.46	580.37	580.35	580.37	580.10	579.90	579.78	579.32	578.89	579.23
25	580.27	580.43	580.48	580.44	580.45	580.37	580.14	579.87	579.68	579.24	579.20	579.08
26	580.58	580.43	580.27	580.45	580.54	580.30	580.13	580.03	579.63	579.18	579.11	578.92
27	580.47	580.45	580.34	580.37	580.42	580.31	580.15	580.10	579.82	579.15	579.16	578.83
28	580.48	580.54	580.28	580.19	580.41	580.28	580.14	580.06	579.67	579.18	579.39	579.16
29	580.66		580.35	580.26	580.40	580.32	580.14	579.94	579.61	579.27	579.41	579.13
30	580.71		580.18	580.22	580.36	580.30	580.15	579.83	579.54	579.13	579.12	579.08
31	580.57		580.12		580.36		580.32	579.75		579.25		578.77
MEAN	580.62	580.45	580.37	580.39	580.37	580.36	580.22	580.08	579.81	579.33	579.11	579.00
MAX.	581.06	580.81	581.07	581.01	580.75	580.71	580.53	580.65	580.22	579.82	579.67	579.81
	0200/11	0500/14	1000/01	0700/15	0100/22	0900/01	1800/12	2100/01	2400/17	1500/03	0700/29	1700/15
MIN.	579.87	579.75	579.92	579.95	579.77	580.08	579.51	579.63	579.37	578.99	578.48	578.48
	1000/24	1000/08	0400/31	1700/21	2300/09	2300/28	1800/20	0300/31	0800/30	0100/27	1300/19	1600/21

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

/ Indicates No Data.

ANNUAL MEAN: 580.01

ANNUAL SUMMARY OF LEVELS, 1987

Station 7079: Green Bay, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.56	Jan	578.92	Dec
Daily mean elevation:	581.27	18 May	578.16	31 Dec
Instant/hourly Elevation:	581.98	0800/18 May	577.46	0500/19 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
581.16	10 Jan
580.67	14 Feb
580.85	9 Mar
580.97	14 Apr
581.27	18 May
580.70	20 Jun
580.37	31 Jul
580.46	9 Aug
580.48	17 Sep
579.80	2 Oct
579.66	28 Nov
580.13	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.95	24 Jan
580.04	8 Feb
579.89	31 Mar
580.13	28 Apr
579.94	9 May
580.15	28 Jun
579.92	23 Jul
579.55	30 Aug
578.51	30 Sep
578.80	1 Oct
578.25	19 Nov
578.16	31 Dec

~~~~~~~~~~~~ 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	1												581.00	2
580.80	2		2	3									580.80	9
580.60	9	1	1	2	2	2							580.60	26
580.40	14	12	9	7	8	2		1	2				580.40	81
580.20	2	13	15	15	16	22	16	7	1				580.20	188
580.00	2	2	3	3	3	4	12	10				1	580.00	228
579.80	1		1		1		3	9	9				579.80	252
579.60								3	11	2	1		579.60	269
579.40								1	6	6	4		579.40	286
579.20										9	7	3	579.20	305
579.00										9	5	7	579.00	326
578.80										4	7	11	578.80	348
578.60										1	4	3	578.60	356
578.40									1		1	4	578.40	362
578.20											1	1	578.20	364
578.00												1	578.00	365
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7079: Green Bay, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.80	580.59	580.83	580.56	580.21	580.32	580.31	580.30	579.69	578.80	579.54	579.18
2	580.96	580.54	580.19	580.84	580.60	580.30	580.28	580.21	579.86	579.80	579.48	578.68
3	580.74	580.39	580.02	580.26	580.74	580.16	580.32	580.04	579.71	579.47	579.26	579.03
4	580.62	580.24	580.40	580.20	580.40	580.20	580.19	580.36	579.66	579.07	578.99	578.99
5	580.58	580.29	580.48	580.37	580.30	580.36	580.34	580.28	579.75	579.12	578.66	578.91
6	580.85	580.31	580.31	580.30	580.20	580.30	580.30	579.96	579.79	579.38	578.64	579.03
7	580.58	580.37	580.22	580.33	580.24	580.35	580.27	579.95	579.92	579.73	578.95	579.18
8	580.31	580.04	580.40	580.30	580.24	580.34	580.23	580.01	579.87	579.27	579.33	579.14
9	580.57	580.35	580.85	580.27	579.94	580.30	580.21	580.46	579.74	578.99	579.13	578.97
10	581.16	580.16	580.53	580.33	580.43	580.29	580.27	580.24	579.67	579.27	579.19	578.59
11	580.42	580.50	580.33	580.56	580.30	580.25	580.22	580.15	579.86	579.20	578.65	578.89
12	580.38	580.37	580.26	580.43	580.29	580.25	580.26	580.02	579.76	579.16	578.86	578.68
13	580.75	580.47	580.32	580.37	580.21	580.33	580.30	580.05	579.59	579.25	579.01	578.51
14	580.72	580.67	580.44	580.97	580.33	580.35	580.12	580.32	579.54	579.00	579.09	578.85
15	580.68	580.53	580.48	580.69	580.18	580.26	580.21	580.14	579.63	579.48	579.22	580.13
16	580.41	580.51	580.45	580.43	580.07	580.24	580.02	580.07	579.81	579.43	579.21	579.20
17	580.64	580.57	580.30	580.39	580.53	580.39	579.95	579.92	580.48	579.31	579.12	578.92
18	580.55	580.45	580.48	580.37	581.27	580.36	579.98	579.93	580.34	579.00	578.59	578.44
19	580.60	580.38	580.42	580.42	580.79	580.51	580.08	579.99	579.82	579.21	578.25	578.91
20	580.57	580.40	580.21	580.39	580.46	580.70	580.06	579.88	579.94	579.31	578.75	578.85
21	580.51	580.45	580.28	580.88	580.45	580.68	580.12	580.04	580.46	579.50	578.89	578.25
22	580.45	580.47	580.31	580.79	580.47	580.43	580.08	579.99	579.98	579.46	578.92	578.88
23	580.01	580.37	580.35	580.60	580.37	580.30	579.92	579.89	579.63	579.47	578.97	578.92
24	579.95	580.28	580.50	580.46	580.33	580.31	580.10	579.72	579.86	579.23	578.99	579.34
25	580.19	580.38	580.51	580.38	580.48	580.38	580.14	579.76	579.50	579.04	579.60	579.07
26	580.52	580.38	580.22	580.39	580.54	580.18	580.21	580.20	579.56	578.88	579.30	578.55
27	580.46	580.44	580.27	580.32	580.36	580.25	580.08	580.24	579.71	579.04	579.24	578.82
28	580.43	580.57	580.37	580.13	580.34	580.15	580.11	580.09	579.53	579.15	579.66	579.38
29	580.68		580.80	580.30	580.34	580.28	580.15	579.81	579.53	579.18	579.43	579.24
30	580.64		580.20	580.19	580.30	580.29	580.21	579.55	578.51	579.06	579.34	578.72
31	580.53		579.89		580.25		580.37	579.66		579.32		578.16
MEAN	580.56	580.41	580.37	580.44	580.39	580.33	580.17	580.04	579.76	579.24	579.08	578.92
MAX.	581.82	581.33	581.75	581.65	581.98	581.22	581.49	581.10	581.19	581.18	580.31	581.49
	0500/10	0600/13	0500/09	2000/01	0800/18	2200/04	1200/21	2300/01	2000/17	1500/02	1300/25	1100/15
MIN.	578.86	579.05	579.21	579.24	579.44	579.72	578.82	579.09	577.47	577.74	577.46	577.53
	0100/23	0600/08	0300/31	2200/27	0200/11	1300/08	0600/21	0300/30	1500/30	0200/01	0500/19	0600/31

ANNUAL MEAN: 579.98

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

ANNUAL SUMMARY OF LEVELS, 1987

Station 7096: Port Inland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.53	Jan	578.93	Dec
Daily mean elevation:	580.94	1 Jan	578.57	20 Nov
Instant/hourly Elevation:	581.13	2100/1 Jan	577.82	1000/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.94	1 Jan
580.62	1 Feb
580.59	1 Mar
580.44	1 Apr
580.38	26 May
580.41	11 Jun
580.32	19 Jul
580.25	1 Aug
579.82	5 Sep
579.77	1 Oct
579.36	2 Nov
579.32	30 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.99	24 Jan
579.72	8 Feb
579.98	3 Mar
579.96	5 Apr
580.07	17 May
580.07	8 Jun
579.86	14 Jul
579.61	23 Aug
579.28	30 Sep
579.02	30 Oct
578.57	20 Nov
578.65	27 Dec

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.
580.80	1												580.80	1
580.60	11	1											580.60	13
580.40	10	3	1	1		1							580.40	29
580.20	6	16	8	6	10	20	12	1					580.20	108
580.00	2	7	19	6	5	9	16	15					580.00	187
579.80	1		3	1			3	9	3				579.80	207
579.60		1						6	20	1			579.60	235
579.40									6	4			579.40	245
579.20									1	13	6	3	579.20	268
579.00										13	7	7	579.00	295
578.80											13	16	578.80	324
578.60											3	5	578.60	332
578.40											1		578.40	333

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7096: Port Inland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	580.94	580.62	580.59	580.44	/	580.30	580.16	580.25	579.59	579.77	579.29	578.87
2	580.75	580.40	580.17	580.22	/	580.39	580.29	580.11	579.68	579.02	579.36	578.81
3	580.67	580.33	579.98	580.13	/	580.26	580.13	580.02	579.75	579.43	579.29	578.73
4	580.72	580.16	580.28	580.07	/	580.24	580.03	579.78	579.82	579.49	579.26	578.84
5	580.79	580.40	580.37	579.96	/	580.18	580.22	580.02	579.82	579.52	578.84	578.72
6	580.78	580.42	580.30	580.07	/	580.32	580.21	580.12	579.78	579.30	578.97	578.88
7	580.52	580.44	580.25	580.09	/	580.39	580.17	579.94	579.64	579.06	579.01	579.05
8	580.56	579.72	579.99	580.19	/	580.07	580.22	579.94	579.68	579.28	578.96	579.08
9	580.62	580.43	579.99	580.22	/	580.13	580.29	580.06	579.62	579.29	578.97	579.12
10	580.62	580.14	580.24	580.26	/	580.20	580.26	579.93	579.68	579.08	578.94	578.83
11	580.72	580.40	580.24	580.30	/	580.41	580.25	580.09	579.79	579.28	579.13	579.05
12	580.39	580.17	580.10	580.21	/	580.26	580.29	580.09	579.78	579.23	578.99	579.05
13	580.74	580.26	580.14	580.15	/	580.32	580.00	579.98	579.67	579.40	579.00	578.80
14	580.61	580.30	580.16	580.26	/	580.30	579.86	580.10	579.62	579.26	578.90	578.82
15	580.33	580.20	580.18	/	/	580.14	580.05	580.16	579.61	579.23	579.20	578.77
16	580.37	580.23	580.15	/	/	580.22	580.18	580.18	579.65	579.46	579.27*	578.85
17	580.60	580.30	580.09	/	580.07*	580.29	580.25	580.11	579.77	579.20	579.27*	578.83
18	580.51	580.26	580.12	/	580.16	580.31	580.08	580.01	579.81	579.13	578.86	579.30
19	580.42	580.26	580.18	/	580.35	580.18	580.32	580.01	579.78	579.21	578.73	578.83
20	580.64	580.32	580.07	/	580.19	580.29	580.16	580.05	579.78	579.22	578.57	579.22
21	580.52	580.30	580.13	/	580.32	580.27	580.11	580.15	579.74	579.15	578.92	578.83
22	580.35	580.40	580.14	/	580.29	580.21	580.21	579.76	579.71	579.25	579.10	578.87
23	580.14	580.25	580.17	/	580.18	580.23	580.21	579.61	579.56	579.28	579.06	578.96
24	579.99	580.16	580.24	/	580.14	580.28	580.11	579.76	579.47	579.09	578.66	579.05
25	580.19	580.19	580.34	/	580.22	580.30	580.14	579.77	579.55	579.14	578.86	578.90
26	580.54	580.20	580.14	/	580.38	580.21	580.01	579.89	579.45	579.31	578.89	578.91
27	580.49	580.22	580.19	/	580.25	580.12	580.00	579.85	579.76	579.09	578.98	578.65
28	580.36	580.21	580.09	/	580.28	580.16	580.04	579.82	579.66	579.04	579.10	578.89
29	580.50		580.14	/	580.28	580.27	580.11	579.89	579.53	579.15	579.19	578.86
30	580.55		580.02	/	580.28	580.12	580.04	579.94	579.28	579.02	578.79	579.32
31	580.37		580.01		580.25		580.19	579.64		579.08		579.12
MEAN	580.53	580.27	580.17	580.18	580.24	580.25	580.15	579.97	579.67	579.24	579.01	578.93
MAX.	581.13	580.95	580.91	580.66	580.73	580.68	580.75	580.57	580.06	580.43	579.88	579.94
	2100/01	2100/07	1000/01	0700/01	0400/22	0300/07	2300/20	0300/17	1100/18	1300/01	1500/17	1500/18
MIN.	579.91	578.71	579.36	579.69	579.91	579.84	579.67	579.43	578.94	578.66	578.29	577.82
	2200/24	0900/08	2200/08	0500/05	0800/18	1000/08	2100/20	0100/23	1700/30	0400/10	0100/20	1000/15

ANNUAL MEAN: 579.88

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

ANNUAL SUMMARY OF LEVELS, 1987

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.14	Jan	600.43	Dec
Daily mean elevation:	601.44	22 Aug	599.83	30 Dec
Instant/hourly Elevation:	601.98	0500/2 Oct	599.51	1700/16 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.40	24 Jan
601.30	8 Feb
601.08	2 Mar
600.82	29 Apr
600.70	22 May
600.87	8 Jun
601.03	26 Jul
601.44	22 Aug
601.13	1 Sep
601.28	2 Oct
601.04	5 Nov
600.74	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.70	29 Jan
600.60	28 Feb
600.39	23 Mar
600.33	19 Apr
600.17	13 May
600.55	1 Jun
600.54	2 Jul
600.66	1 Aug
600.64	27 Sep
600.45	26 Oct
600.12	16 Nov
599.83	30 Dec

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.
601.40								1					601.40	1
601.20	12	1						2		1			601.20	17
601.00	13	5	1				1	9	5	2	1		601.00	54
600.80	5	5	1	1		1	12	15	19	5	2		600.80	120
600.60	1	15	10	7	4	25	14	4	6	14	6	2	600.60	228
600.40		2	18	18	19	4	4			9	15	18	600.40	335
600.20			1	4	7						4	9	600.20	360
600.00					1						2	1	600.00	364
599.80												1	599.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	601.24	600.86	600.70	600.42	600.54	600.55	600.62	600.66	601.13	600.77	600.44	600.58
2	601.22	600.95	601.08	600.69	600.50	600.63	600.54	600.96	601.05	601.28	600.40	600.58
3	601.15	601.12	600.86	600.51	600.49	600.72	600.78	600.91	600.84	600.83	600.52	600.58
4	601.11	601.09	600.53	600.54	600.42	600.67	600.74	601.12	600.69	600.70	600.79	600.61
5	601.05	601.01	600.58	600.63	600.40	600.68	600.57	600.90	600.76	600.79	601.04	600.53
6	601.17	601.06	600.56	600.61	600.53	600.57	600.58	600.73	600.91	601.10	600.87	600.37
7	601.33	600.83	600.67	600.60	600.47	600.65	600.61	600.99	600.95	601.06	600.57	600.17
8	601.25	601.30	600.78	600.48	600.39	600.87	600.63	600.89	600.92	600.70	600.77	600.24
9	601.07	600.90	600.70	600.41	600.49	600.77	600.58	600.90	600.94	600.95	600.65	600.50
10	601.20	600.93	600.57	600.43	600.31	600.65	600.70	600.98	600.79	600.88	600.51	600.48
11	601.29	600.71	600.56	600.50	600.55	600.58	600.69	600.68	600.85	600.73	600.46	600.28
12	601.27	601.12	600.72	600.53	600.37	600.70	600.75	600.72	600.90	600.66	600.42	600.49
13	600.96	600.66	600.54	600.47	600.17	600.68	600.97	600.88	601.00	600.54	600.57	600.55
14	601.24	600.80	600.61	600.49	600.49	600.73	600.97	600.85	601.00	600.69	600.44	600.48
15	601.39	600.76	600.53	600.46	600.32	600.72	600.79	600.85	600.90	600.57	600.12	600.53
16	601.21	600.69	600.51	600.42	600.34	600.73	600.63	600.89	600.90	600.51	600.12	600.74
17	601.01	600.69	600.53	600.38	600.51	600.56	600.66	601.10	600.83	600.92	600.52	600.46
18	601.20	600.68	600.46	600.44	600.48	600.64	600.81	601.04	600.82	600.76	600.68	600.24
19	601.03	600.68	600.52	600.33	600.40	600.73	600.74	601.16	600.79	600.71	600.81	600.33
20	601.07	600.66	600.58	600.37	600.51	600.65	600.91	601.03	600.86	600.66	600.76	600.54
21	600.97	600.60	600.50	600.69	600.42	600.64	600.88	600.99	600.97	600.77	600.41	600.58
22	601.38	600.64	600.46	600.45	600.70	600.67	600.78	601.44	600.95	600.56	600.25	600.42
23	601.39	600.77	600.39	600.61	600.66	600.61	600.84	601.39	601.03	600.59	600.54	600.42
24	601.40	600.71	600.41	600.49	600.62	600.64	600.91	601.17	601.04	600.68	600.51	600.34
25	601.13	600.67	600.48	600.44	600.54	600.67	600.93	601.10	600.96	600.56	600.42	600.54
26	600.97	600.62	600.59	600.37	600.48	600.73	601.03	601.01	600.86	600.45	600.42	600.40
27	600.98	600.61	600.50	600.80	600.51	600.78	600.98	601.00	600.64	600.85	600.36	600.45
28	601.09	600.60	600.62	600.54	600.54	600.67	600.88	600.99	600.74	600.72	600.29	600.31
29	600.70		600.75	600.82	600.56	600.71	600.87	600.88	600.98	600.60	600.43	600.29
30	601.07		600.77	600.61	600.58	600.75	600.87	601.01	601.05	600.75	600.63	599.83
31	600.84		600.62		600.64		600.75	601.26		600.55		600.45
MEAN	601.14	600.81	600.60	600.52	600.48	600.68	600.77	600.98	600.90	600.74	600.52	600.43
MAX.	601.76	601.91	601.27	601.23	601.12	601.17	601.59	601.92	601.30	601.98	601.54	601.19
	0200/07	0500/08	2400/02	1200/29	1000/17	0800/08	0500/21	0200/22	2100/29	0500/02	2100/05	1300/31
MIN.	600.47	600.32	600.18	600.04	599.51	600.15	599.90	600.39	600.41	600.19	599.90	599.60
	1100/29	0600/27	0200/24	2100/20	1700/16	2000/06	1700/20	1900/01	0800/27	0100/16	0900/16	0800/30

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

/ Indicates No Data.

ANNUAL MEAN: 600.71

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.20	Jan	600.50	Dec
Daily mean elevation:	601.37	2 Jan	600.22	30 Dec
Instant/hourly Elevation:	601.84	0500/8 Feb	599.88	2400/16 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.37	2 Jan
601.32	8 Feb
600.97	3 Mar
600.77	2 Apr
600.83	22 May
600.83	13 Jun
601.05	26 Jul
601.28	22 Aug
601.15	21 Sep
601.28	2 Oct
600.82	5 Nov
600.71	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.01	31 Jan
600.77	26 Feb
600.60	23 Mar
600.55	20 Apr
600.42	13 May
600.74	23 Jun
600.71	2 Jul
600.94	12 Aug
600.89	27 Sep
600.62	26 Oct
600.44	15 Nov
600.22	30 Dec

~~~~~~~~~~~~ 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.
601.20	17	1						2		1			601.20	21
601.00	14	7					7	25	19	2			601.00	95
600.80		16	6		1	5	13	4	11	10	1		600.80	162
600.60		4	24	19	14	25	11			18	16	4	600.60	297
600.40			1	11	16						13	24	600.40	362
600.20												3	600.20	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	601.37	601.02	600.91	600.77	600.59	600.76	600.75	600.95	601.09	600.91	600.64	600.66
2	601.37	601.05	600.95	600.77	600.60	600.80	600.71	601.03	601.05	601.28	600.63	600.55
3	601.26	601.08	600.97	600.64	600.58	600.76	600.78	601.08	600.94	600.92	600.65	600.61
4	601.23	601.09	600.75	600.59	600.58	600.78	600.76	601.17	600.89	600.82	600.68	600.59
5	601.21	601.00	600.77	600.62	600.56	600.79	600.77	601.07	600.97	600.85	600.82	600.55
6	601.34	601.02	600.73	600.63	600.56	600.80	600.73	600.96	601.05	601.07	600.73	600.48
7	601.34	601.02	600.77	600.63	600.57	600.79	600.75	601.01	601.03	601.10	600.61	600.43
8	601.25	601.32	600.90	600.59	600.51	600.83	600.74	601.04	601.04	600.82	600.67	600.42
9	601.25	600.99	600.90	600.59	600.54	600.80	600.82	601.02	601.00	600.82	600.65	600.57
10	601.33	600.95	600.74	600.61	600.51	600.77	600.81	601.03	600.98	600.82	600.59	600.51
11	601.27	600.90	600.70	600.63	600.55	600.79	600.79	600.94	601.01	600.76	600.52	600.49
12	601.26	601.09	600.75	600.63	600.50	600.80	600.88	600.94	601.05	600.78	600.50	600.53
13	601.19	600.94	600.72	600.63	600.42	600.83	600.96	601.04	601.04	600.71	600.56	600.52
14	601.26	600.95	600.72	600.63	600.54	600.82	600.94	601.05	601.04	600.74	600.53	600.53
15	601.29	600.90	600.69	600.63	600.49	600.80	600.87	601.04	601.02	600.79	600.44	600.71
16	601.18	600.87	600.65	600.58	600.49	600.80	600.79	601.03	601.05	600.76	600.46	600.68
17	601.08	600.84	600.63	600.58	600.64	600.80	600.79	601.09	601.06	600.83	600.68	600.52
18	601.13	600.83	600.65	600.59	600.67	600.79	600.93	601.17	601.00	600.78	600.66	600.37
19	601.18	600.83	600.64	600.57	600.65	600.79	601.00	601.17	601.02	600.75	600.68	600.45
20	601.13	600.82	600.64	600.55	600.67	600.81	600.96	601.08	601.13	600.81	600.74	600.50
21	601.11	600.80	600.64	600.68	600.70	600.78	601.01	601.12	601.15	600.84	600.53	600.47
22	601.31	600.88	600.63	600.64	600.83	600.76	600.96	601.28	601.06	600.78	600.48	600.50
23	601.31	600.86	600.60	600.64	600.79	600.74	600.99	601.21	601.07	600.71	600.63	600.46
24	601.21	600.81	600.63	600.61	600.71	600.76	601.03	601.13	601.08	600.77	600.62	600.57
25	601.16	600.79	600.68	600.58	600.69	600.76	601.04	601.15	601.00	600.67	600.57	600.54
26	601.04	600.77	600.67	600.60	600.73	600.80	601.05	601.10	600.95	600.62	600.53	600.43
27	601.03	600.80	600.67	600.65	600.72	600.82	601.02	601.07	600.89	600.75	600.53	600.47
28	601.09	600.85	600.67	600.60	600.73	600.78	601.03	601.06	600.92	600.75	600.52	600.47
29	601.02		600.82	600.66	600.74	600.79	600.99	601.04	600.97	600.67	600.61	600.44
30	601.11		600.75	600.61	600.75	600.76	601.03	601.08	601.07	600.72	600.74	600.22
31	601.01		600.67		600.76		601.00	601.16		600.69		600.38
MEAN	601.20	600.93	600.73	600.62	600.62	600.79	600.89	601.07	601.02	600.81	600.61	600.50
MAX.	601.53	601.84	601.18	601.03	601.08	601.12	601.48	601.60	601.26	601.67	601.03	600.99
	2100/11	0500/08	0300/09	0500/21	1400/22	2200/06	1300/20	0500/22	2200/05	0600/02	2300/17	1300/15
MIN.	600.74	600.63	600.46	600.29	599.88	600.56	600.43	600.62	600.73	600.42	600.25	600.03
	1700/31	0800/27	0200/24	2300/20	2400/16	0300/07	0600/17	0600/30	1300/27	2000/29	0100/17	1000/30

ANNUAL MEAN: 600.82

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

/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1987

Station 9044: Ontonagon, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.27	Jan	600.57	Dec
Daily mean elevation:	601.43	6 Jan	600.41	26 Dec
Instant/hourly Elevation:	601.49	1500/6 Jan	600.21	1500/26 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.43	6 Jan
601.18	1 Feb
601.03	1 Mar
600.83	1 Apr
600.95	30 May
601.01	6 Jun
601.14	30 Jul
601.29	21 Aug
601.14	5 Sep
601.05	1 Oct
600.80	1 Nov
600.66	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.10	28 Jan
600.93	19 Feb
600.67	30 Mar
600.59	27 Apr
600.57	11 May
600.83	24 Jun
600.87	3 Jul
601.09	4 Aug
600.98	30 Sep
600.74	30 Oct
600.54	11 Nov
600.41	26 Dec

~~~~~~~~~~~~ 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.
601.40	2												601.40	2
601.20	23							9					601.20	34
601.00	6	13	1			1	16	22	28	1			601.00	122
600.80		15	10	1	8	29	15		2	23			600.80	225
600.60			20	28	20					7	24	10	600.60	334
600.40				1	3						6	21	600.40	365
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9044: Ontonagon, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	601.41	601.18	601.03	600.83	600.68	600.96	600.88	601.13	601.13	601.05	600.80	600.60
2	601.40	601.15	600.86	600.62	600.68	600.86	600.92	601.10	601.10	600.94	600.75	600.58
3	601.36	601.07	600.86	600.65	600.67	600.86	600.87	601.16	601.10	600.94	600.72	600.61
4	601.36	601.07	600.96	600.66	600.67	600.92	600.90	601.09	601.13	601.00	600.67	600.56
5	601.38	601.03	600.95	600.66	600.65	600.95	600.92	601.12	601.14	600.99	600.72	600.56
6	601.43	601.06	600.96	600.63	600.61	601.01	600.92	601.16	601.13	601.00	600.67	600.59
7	601.31	601.16	600.99	600.66	600.64	600.98	600.91	601.12	601.12	600.90	600.71	600.62
8	601.29	601.04	600.99	600.68	600.63	600.88	600.90	601.15	601.11	600.96	600.64	600.61
9	601.38	601.00	600.80	600.71	600.60	600.91	600.95	601.13	601.08	600.92	600.63	600.61
10	601.37	601.04	600.79	600.69	600.72	600.93	600.94	601.11	601.13	600.85	600.60	600.61
11	601.26	601.07	600.76	600.73	600.57	600.99	600.94	601.10	601.12	600.86	600.54	600.66
12	601.31	600.98	600.76	600.69	600.63	600.96	600.95	601.16	601.11	600.89	600.62	600.64
13	601.36	601.08	600.80	600.71	600.65	600.98	600.94	601.20	601.11	600.88	600.58	600.59
14	601.29	601.02	600.79	600.73	600.58	600.92	600.95	601.22	601.11	600.84	600.63	600.63
15	601.25	600.99	600.80	600.73	600.63	600.91	601.00	601.19	601.11	600.92	600.68	600.66
16	601.24	601.00	600.78	600.73	600.64	600.92	601.01	601.24	601.13	600.99	600.68	600.52
17	601.23	600.98	600.74	600.73	600.71	600.94	601.03	601.22	601.11	600.90	600.68	600.53
18	601.22	600.95	600.81	600.73	600.69	600.89	601.08	601.29	601.04	600.89	600.58	600.52
19	601.27	600.93	600.77	600.79	600.80	600.90	601.11	601.25	601.08	600.86	600.68	600.57
20	601.23	600.94	600.72	600.72	600.76	600.91	601.01	601.25	601.12	600.93	600.70	600.48
21	601.26	600.98	600.76	600.65	600.83	600.89	601.08	601.29	601.06	600.82	600.65	600.56
22	601.21	600.99	600.75	600.72	600.76	600.84	601.10	601.21	601.00	600.89	600.66	600.58
23	601.21	600.95	600.80	600.66	600.74	600.88	601.08	601.20	601.02	600.86	600.63	600.53
24	601.15	600.94	600.81	600.71	600.80	600.83	601.11	601.20	601.03	600.81	600.63	600.62
25	601.18	600.94	600.85	600.74	600.87	600.90	601.09	601.26	601.02	600.78	600.62	600.52
26	601.14	600.95	600.70	600.73	600.90	600.86	601.05	601.20	601.08	600.80	600.57	600.41
27	601.11	600.96	600.74	600.59	600.90	600.87	601.06	601.13	601.06	600.78	600.60	600.53
28	601.10	601.05	600.71	600.67	600.91	600.89	601.10	601.12	601.05	600.78	600.64	600.53
29	601.21		600.70	600.64	600.92	600.88	601.06	601.13	601.03	600.77	600.66	600.52
30	601.17		600.67	600.65	600.95	600.84	601.14	601.14	600.98	600.74	600.64	600.57
31	601.21		600.73		600.93		601.09	601.13		600.75		600.52
MEAN	601.27	601.02	600.81	600.69	600.73	600.91	601.00	601.17	601.08	600.88	600.65	600.57
MAX.	601.49	601.26	601.14	601.16	601.02	601.11	601.38	601.39	601.28	601.43	600.96	600.85
	1500/06	0200/08	0400/01	1100/01	1700/30	0300/07	2400/21	1500/18	1900/05	0200/02	0900/17	1200/15
MIN.	601.06	600.91	600.59	600.40	600.36	600.69	600.61	600.96	600.92	600.63	600.39	600.21
	2400/27	0300/20	2200/29	1100/27	1100/14	0800/22	1300/20	0100/11	1400/30	2100/29	1900/18	1500/26

ANNUAL MEAN: 600.90

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

ANNUAL SUMMARY OF LEVELS, 1987
Station 9064: Duluth, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.28	Jan	600.61	Dec
Daily mean elevation:	601.55	31 Jul	600.28	31 Dec
Instant/hourly Elevation:	601.83	1800/18 Jul	599.82	1300/26 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.51	2 Jan
601.48	28 Feb
601.25	18 Mar
601.00	19 Apr
601.20	18 May
601.10	6 Jun
601.55	31 Jul
601.48	14 Aug
601.33	26 Sep
601.15	15 Oct
601.05	1 Nov
600.82	7 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.00	24 Jan
600.91	9 Feb
600.72	28 Mar
600.57	27 Apr
600.63	11 May
600.77	26 Jun
600.89	3 Jul
600.97	30 Aug
601.02	29 Sep
600.69	27 Oct
600.45	19 Nov
600.28	31 Dec

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.
601.40	12	1					3	4					601.40	20
601.20	9	5	1				13	20	9				601.20	77
601.00	9	18	15		8	13	13	5	21	5	1		601.00	185
600.80	1	4	11	22	14	16	2	2		21	9	1	600.80	288
600.60			4	7	9	1				5	14	18	600.60	346
600.40				1							6	9	600.40	362
600.20												3	600.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9064: Duluth, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	601.49	601.16	601.07	600.97	600.84	601.08	601.04	601.45	601.15	600.90	601.05	600.63
2	601.51	601.26	600.80	600.71	600.94	600.94	601.01	601.26	601.17	600.95	600.91	600.60
3	601.41	601.03	600.93	600.83	600.91	600.87	600.89	601.21	601.25	601.00	600.84	600.68
4	601.50	601.06	601.14	600.82	600.82	601.00	601.02	601.30	601.24	601.07	600.56	600.61
5	601.49	600.95	601.05	600.80	600.77	601.05	601.14	601.37	601.20	600.86	600.58	600.72
6	601.45	600.94	601.01	600.77	600.68	601.10	601.10	601.31	601.12	600.83	600.66	600.77
7	601.30	601.19	600.94	600.81	600.74	601.01	601.03	601.19	601.18	600.92	600.78	600.82
8	601.24	600.98	601.14	600.82	600.72	600.93	600.97	601.28	601.13	601.12	600.69	600.75
9	601.45	600.91	601.02	600.85	600.70	600.97	601.09	601.22	601.16	600.75	600.64	600.52
10	601.41	601.16	600.96	600.81	600.95	601.04	601.14	601.36	601.20	600.81	600.71	600.68
11	601.09	601.16	600.90	600.86	600.63	601.09	601.11	601.42	601.12	600.84	600.55	600.66
12	601.34	601.03	600.92	600.85	600.80	600.96	601.06	601.32	601.11	600.95	600.70	600.52
13	601.41	601.40	601.05	600.82	600.82	601.05	601.01	601.35	601.08	600.94	600.61	600.52
14	601.30	601.39	601.14	600.92	600.65	600.94	601.10	601.48	601.11	600.82	600.86	600.63
15	601.19	601.23	601.10	600.87	600.80	600.98	601.21	601.41	601.15	601.15	600.92	600.67
16	601.22	601.22	601.07	600.85	600.85	601.03	601.24	601.35	601.28	601.03	600.91	600.46
17	601.22	601.15	601.12	600.87	600.93	601.07	601.16	601.17	601.31	600.89	600.70	600.64
18	601.21	601.09	601.25	600.89	601.20	601.00	601.45	601.30	601.33	600.80	600.51	600.55
19	601.41	601.07	601.10	601.00	601.03	601.05	601.38	601.21	601.27	600.86	600.45	600.74
20	601.11	601.08	600.99	600.80	600.96	601.05	601.33	601.29	601.29	600.92	600.58	600.40
21	601.41	601.16	601.08	600.81	601.06	601.02	601.29	601.28	601.19	600.88	600.83	600.57
22	601.10	601.02	600.99	600.87	600.97	601.00	601.31	601.09	601.12	601.02	600.81	600.67
23	601.01	601.09	601.05	600.81	600.92	601.02	601.23	601.11	601.12	600.96	600.66	600.60
24	601.00	601.12	601.05	600.88	600.97	600.93	601.21	601.14	601.14	600.87	600.84	600.77
25	601.19	601.11	600.96	600.98	601.12	600.87	601.21	601.32	601.10	600.85	600.79	600.51
26	601.12	601.13	600.85	600.81	601.06	600.77	601.23	601.35	601.33	600.76	600.74	600.31
27	601.09	601.11	600.87	600.57	601.01	600.85	601.23	601.22	601.29	600.69	600.79	600.66
28	601.23	601.48	600.72	600.77	601.03	600.91	601.30	601.25	601.15	600.82	600.91	600.63
29	601.46		600.75	600.68	601.00	600.89	601.23	601.25	601.02	600.89	600.75	600.66
30	601.09		600.76	600.72	600.99	600.93	601.42	600.97	601.04	600.78	600.68	600.66
31	601.38		600.96		601.03		601.55	600.98		600.92		600.28
MEAN	601.28	601.13	600.99	600.83	600.90	600.98	601.18	601.26	601.18	600.90	600.73	600.61
MAX.	601.80	601.70	601.68	601.48	601.51	601.36	601.83	601.73	601.55	601.43	601.34	601.24
	0900/13	1600/28	0300/01	0300/01	0900/18	2100/06	1800/18	0900/01	2400/19	1700/15	1600/01	0900/24
MIN.	600.73	600.72	600.51	600.17	600.15	600.52	600.62	600.64	600.80	600.43	600.09	599.82
	2100/11	1300/09	2000/28	0900/27	0800/14	0900/26	0500/21	1000/30	0500/06	0700/30	1900/18	1300/26

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

/ Indicates No Data.

ANNUAL MEAN: 601.00

ANNUAL SUMMARY OF LEVELS, 1987

Station 9070: Two Harbors, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.22	Jan	600.55	Dec
Daily mean elevation:	601.45	2 Jan	600.27	31 Dec
Instant/hourly Elevation:	601.66	0900/13 Jan	599.86	1300/26 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.45	2 Jan
601.29	13 Feb
601.05	4 Mar
600.90	19 Apr
600.94	25 May
601.01	6 Jun
600.88	1 Jul
601.34	14 Aug
601.18	27 Sep
601.03	15 Oct
600.91	1 Nov
600.74	7 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.95	24 Jan
600.88	9 Feb
600.66	28 Mar
600.53	27 Apr
600.58	14 May
600.71	26 Jun
600.88	1 Jul
600.90	31 Aug
600.95	29 Sep
600.64	27 Oct
600.43	19 Nov
600.27	31 Dec

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.
601.40	4												601.40	4
601.20	12	2						10					601.20	28
601.00	13	17	2			1		17	27	2			601.00	107
600.80	2	9	22	3	13	23	1	2	3	17	4		600.80	206
600.60			6	26	16	4				12	16	9	600.60	295
600.40				1	2						10	19	600.40	327
600.20												3	600.20	330

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9070: Two Harbors, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	601.42	601.09	600.96	600.64*	600.73	/	600.88*	/	601.03	600.88	600.91	600.57
2	601.45	601.19	600.73	600.62	600.77	/	/	/	601.06	600.86	600.83	600.56
3	601.36	600.97	600.86	600.74	600.76	600.86*	/	601.14*	601.13	600.93	600.78	600.60
4	601.43	601.01	601.05	600.74	600.73	600.92	/	601.18	601.14	600.97	600.55	600.54
5	601.43	600.91	600.97	600.71	600.69	600.93	/	601.24	601.12	600.80	600.55	600.65
6	601.36	600.91	600.94	600.69	600.61	601.01	/	601.20	601.04	600.75	600.59	600.69
7	601.25	601.13	600.87	600.72	600.66	600.90	/	601.08	601.09	600.81	600.71	600.74
8	601.20	600.90	601.00	600.75	600.64	600.83	/	601.16	601.03	601.02	600.61	600.67
9	601.39	600.88	600.90	600.78	600.61	600.87	/	601.14	601.06	600.70	600.60	600.48
10	601.33	601.07	600.89	600.72	600.79	600.93	/	601.21	601.11	600.76	600.64	600.61
11	601.07	601.08	600.83	600.78	600.59	600.99	/	601.30	601.05	600.79	600.50	600.64
12	601.28	600.95	600.84	600.74	600.72	600.90	/	601.22	601.02	600.84	600.64	600.49
13	601.35	601.29	600.94	600.73	600.74	600.95	/	601.24	600.99	600.87	600.55	600.47
14	601.22	601.19	600.98	600.78	600.58	600.86	/	601.34	601.03	600.75	600.74	600.56
15	601.13	601.12	600.96	600.77	600.71*	600.88	/	601.30	601.05	601.03	600.82	600.62
16	601.18	601.13	600.94	600.76	600.76	600.92	/	601.27	601.12	600.94	600.82	600.43
17	601.18	601.06	600.97	600.79	600.79	600.97	/	601.12	601.15	600.83	600.64	600.59
18	601.15	601.01	601.04	600.82	600.93	600.90	/	601.22	601.17	600.77	600.50	600.52
19	601.34	600.99	600.94	600.90	600.87	600.91	/	601.14	601.17	600.81	600.43	600.65
20	601.07	601.00	600.85	600.73	600.82	600.93	/	601.19	601.17	600.87	600.54	600.39
21	601.33	601.07	600.92	600.72	600.90	600.91	/	601.19	601.09	600.81	600.76	600.50
22	601.04	600.96	600.88	600.78	600.82	600.88	/	601.01	601.04	600.95	600.74	600.60
23	600.96	601.01	600.94	600.71	600.79	600.91	/	601.05	601.05	600.91	600.60	600.53
24	600.95	601.03	600.92	600.80	600.86	600.84	/	601.05	601.06	600.81	600.75	600.67
25	601.13	601.02	600.87	600.87	600.94	600.80	/	601.19	601.02	600.80	600.72	600.46
26	601.08	601.03	600.77	600.78	600.93	600.71	/	601.21	601.18	600.72	600.68	600.30
27	601.04	601.02	600.79	600.53	600.92	600.77	/	601.12	601.18	600.64	600.71	600.57
28	601.16	601.27	600.66	600.71	600.92	600.83	/	601.13	601.06	600.75	600.77	600.54
29	601.34		600.68	600.62	600.89	600.80	/	601.16	600.95	600.83	600.68	600.59
30	601.02		600.67*	600.65	600.90	600.81	/	600.94	600.97	600.72	600.61	600.60
31	601.28		/		600.88*		/	600.90		600.83		600.27
MEAN	601.22	601.05	600.89	600.74	600.78	600.88	600.88	601.16	601.08	600.83	600.67	600.55
MAX.	601.66	601.47	601.43	601.07	601.12	601.17	600.93	601.54	601.46	601.28	601.03	601.05
	0900/13	1800/28	0300/01	1400/25	1600/28	1600/11	0400/01	1600/14	0100/06	1600/15	1200/01	0900/24
MIN.	600.82	600.63	600.46	600.20	600.24	600.55	600.82	600.75	600.72	600.40	600.11	599.86
	2000/11	0300/08	2000/28	1000/29	0800/14	0900/26	0100/01	1300/30	0600/06	2300/09	1900/18	1300/26

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

/ Indicates No Data.

ANNUAL MEAN: 600.89

ANNUAL SUMMARY OF LEVELS, 1987
Station 9090: Grand Marais, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.12	Jan	600.45	Dec
Daily mean elevation:	601.31	4 Jan	600.27	31 Dec
Instant/hourly Elevation:	601.67	0700/6 Jan	599.94	1000/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
601.31	4 Jan
601.06	13 Feb
600.84	4 Mar
600.71	19 Apr
600.76	27 May
600.83	11 Jun
601.06	31 Jul
601.14	16 Aug
601.04	27 Sep
600.87	4 Oct
600.71	1 Nov
600.60	7 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.90	24 Jan
600.82	12 Feb
600.55	29 Mar
600.44	27 Apr
600.44	11 May
600.66	30 Jun
600.65	3 Jul
600.84	31 Aug
600.83	30 Sep
600.58	30 Oct
600.41	19 Nov
600.27	31 Dec

~~~~~~~~~~~~ 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.
601.20	9													
601.00	16	2					6	21	3				601.20	9
600.80	6	26	3			3	14	10	27	5			601.00	57
600.60			25	16	14	27	11			24	7		600.80	151
600.40			3	14	17					2	23	24	600.60	275
600.20												7	600.40	358
													600.20	365
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9090: Grand Marais, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	601.29	600.98	600.77	600.67	600.57	600.77	600.73	601.13	600.87	600.83	600.71	600.47
2	601.28	601.01	600.66	600.53	600.57	600.73	600.77	601.05	600.85	600.71	600.68	600.49
3	601.29	600.90	600.73	600.60	600.55	600.73	600.65	601.02	600.92	600.86	600.67	600.49
4	601.31	600.94	600.84	600.60	600.57	600.77	600.71	600.99	600.96	600.87	600.51	600.43
5	601.26	600.90	600.83	600.56	600.57	600.76	600.75	601.06	600.95	600.81	600.53	600.49
6	601.23	600.88	600.81	600.56	600.50	600.81	600.74	601.11	600.92	600.67	600.52	600.55
7	601.18	601.00	600.79	600.57	600.52	600.75	600.73	600.97	600.92	600.70	600.61	600.60
8	601.17	600.83	600.80	600.61	600.51	600.68	600.68	601.01	600.88	600.85	600.50	600.56
9	601.27	600.85	600.73	600.63	600.48	600.73	600.73	600.98	600.90	600.65	600.49	600.41
10	601.21	600.90	600.74	600.62	600.60	600.75	600.82	601.01	600.96	600.71	600.56	600.51
11	601.11	600.94	600.71	600.61	600.44	600.83	600.80	601.12	600.96	600.73	600.46	600.55
12	601.19	600.82	600.68	600.57	600.55	600.80	600.90	601.11	600.91	600.73	600.53	600.45
13	601.24	601.06	600.76	600.58	600.58	600.78	600.78	601.08	600.90	600.76	600.46	600.43
14	601.11	600.89	600.73	600.58	600.49	600.75	600.83	601.12	600.91	600.70	600.55	600.48
15	601.06	600.89	600.75	600.61	600.51	600.74	600.89	601.12	600.93	600.73	600.64	600.47
16	601.12	600.92	600.72	600.62	600.53	600.76	600.91	601.14	600.95	600.78	600.67	600.33
17	601.12	600.89	600.73	600.66	600.53	600.81	600.86	601.02	600.98	600.70	600.54	600.48
18	601.05	600.87	600.73	600.64	600.64	600.75	600.99	601.09	600.96	600.71	600.53	600.46
19	601.18	600.85	600.70	600.71	600.67	600.74	601.06	601.06	601.01	600.71	600.41	600.55
20	601.04	600.87	600.65	600.62	600.64	600.75	601.01	601.09	601.01	600.72	600.46	600.38
21	601.15	600.90	600.68	600.60	600.66	600.74	601.02	601.09	600.96	600.69	600.62	600.43
22	600.95	600.85	600.68	600.62	600.66	600.73	601.02	600.97	600.98	600.78	600.59	600.47
23	600.90	600.84	600.71	600.56	600.65	600.76	601.00	600.94	600.96	600.77	600.49	600.46
24	600.90	600.84	600.70	600.62	600.68	600.71	600.96	600.97	600.93	600.69	600.55	600.47
25	601.02	600.86	600.69	600.66	600.72	600.69	600.95	601.01	600.92	600.73	600.57	600.38
26	601.02	600.88	600.62	600.65	600.72	600.66	600.90	601.02	600.99	600.71	600.54	600.32
27	600.97	600.83	600.65	600.44	600.76	600.68	600.93	600.99	601.04	600.60	600.54	600.40
28	601.00	600.93	600.57	600.61	600.73	600.68	600.97	600.98	600.96	600.65	600.58	600.40
29	601.12		600.55	600.49	600.72	600.67	600.93	601.02	600.85	600.68	600.54	600.42
30	600.93		600.56	600.53	600.73	600.66	601.01	600.88	600.83	600.58	600.50	600.47
31	601.11		600.65		600.75		601.06	600.84		600.68		600.27
MEAN	601.12	600.90	600.71	600.60	600.61	600.74	600.87	601.03	600.94	600.73	600.55	600.45
MAX.	601.67	601.20	601.07	600.99	600.94	600.99	601.61	601.37	601.16	601.13	600.84	600.91
	0700/06	1700/28	0100/01	2000/20	0500/26	1600/11	1200/20	1300/18	0700/27	0900/15	2200/16	0100/11
MIN.	600.69	600.65	600.35	600.14	600.20	600.51	600.48	600.65	600.71	600.40	600.20	599.94
	2100/30	1900/09	2000/28	1000/27	0900/11	0600/08	1200/11	1200/30	2000/29	0300/02	1000/19	1000/31

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

ANNUAL MEAN: 600.77

Water Level Stages for Lake Ontario at Oswego

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 242.80

	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	246.10	246.46	246.77	247.69	247.95	248.06	247.74	247.45	246.91	246.33	246.18	246.19
MEAN	244.08	244.16	244.43	245.11	245.50	245.62	245.52	245.17	244.74	244.36	244.10	244.03
	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934
LOW	241.67	241.59	242.08	242.38	242.67	242.91	242.75	242.26	241.94	241.72	241.45	241.48

1900 thru 1987 mean 244.74

Water Level Stages for Lake Erie at Cleveland

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 568.60

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1987	1986	1986	1985	1986	1986	1986	1986	1986	1986	1986	1986
HIGH	573.05	572.85	573.11	573.46	573.43	573.70	573.66	573.37	572.96	573.31	573.01	573.11
MEAN	569.97	569.96	570.22	570.77	571.06	571.18	571.14	570.95	570.65	570.33	570.07	570.01
	1935	1936	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
LOW	567.62	567.49	567.65	568.20	568.43	568.46	568.46	568.36	568.23	567.95	567.60	567.53

1900 thru 1987 mean 570.52

Water Level Stages for Lake St. Clair at St. Clair Shores

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 571.70

	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	576.13	576.17	576.17	576.21	576.25	576.51	576.56	576.45	576.31	576.69	576.20	576.14
MEAN	572.81	572.55	572.98	573.52	573.81	573.98	574.05	573.93	573.72	573.44	573.15	573.16
	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1925
LOW	569.86	569.88	570.41	571.09	571.64	571.74	571.88	571.60	571.36	571.13	570.83	571.05

1900 thru 1987 mean 573.43

Water Level Stages for Lake Huron-Michigan at Harbor Beach

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 576.80

	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	580.65	580.36	580.40	580.75	580.89	581.07	581.27	581.34	581.26	581.62	581.29	580.87
MEAN	577.91	577.87	577.92	578.18	578.50	578.72	578.85	578.80	578.64	578.44	578.22	578.06
	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
LOW	575.39	575.44	575.35	575.36	575.79	575.90	575.96	575.97	575.94	575.77	575.57	575.40

1900 thru 1987 mean 578.34

Water Level Stages for Lake Superior at Marquette

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 600.00

	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	601.64	601.38	601.31	601.49	601.72	601.77	601.91	602.04	602.06	602.24	602.24	601.99
MEAN	600.39	600.18	600.05	600.09	600.43	600.71	600.93	601.03	601.06	601.00	600.86	600.64
	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925
LOW	598.58	598.37	598.32	598.23	598.30	598.63	598.99	599.15	599.46	599.49	599.17	598.94

1900 thru 1987 mean 600.62

WATER LEVELS IN METERS

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	74.66	Apr	Monthly mean elevation:	74.02	Nov
Daily mean elevation:	74.78	10 Apr	Daily mean elevation:	73.87	25 Nov
Instant/hourly elevation:	74.97	1400/23 Jan	Instant/hourly elevation:	73.75	2000/25 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.77	24 Jan
74.65	2 Feb
74.65	31 Mar
74.78	10 Apr
74.75	1 May
74.57	12 Jun
74.48	4 Jul
74.36	3 Aug
74.21	1 Sep
74.16	2 Oct
74.22	18 Nov
74.27	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.27	2 Jan
74.37	28 Feb
74.30	9 Mar
74.45	4 Apr
74.49	19 May
74.40	23 Jun
74.31	31 Jul
74.11	29 Aug
73.99	18 Sep
74.00	21 Oct
73.87	25 Nov
73.97	29 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.75	1			2									74.75	3
74.70	1			8	1								74.70	13
74.65	3			10	2								74.65	28
74.60	5	4	1	6	6								74.60	50
74.55	1	7	1	1	13	4							74.55	77
74.50	2	3	1	1	8	14							74.50	106
74.45	1	5	8	1	1	7	2						74.45	131
74.40	2	4	16	1		3	22						74.40	179
74.35	10	3	2			2	4	1					74.35	201
74.30	4		1				3	2					74.30	211
74.25	1		1					15				1	74.25	229
74.20								7	1		1		74.20	238
74.15								3	6	1		6	74.15	254
74.10								3	17	6	1	6	74.10	287
74.05									5	7	7	12	74.05	318
74.00										15	8	4	74.00	345
73.95									1	2	6	2	73.95	356
73.90											6		73.90	362
73.85											1		73.85	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.38	74.63	74.32	74.62	74.75	74.55	74.47	74.31	74.21	74.10	73.99	74.09
2	74.27	74.65	74.50	74.62	74.66	74.54	74.41	74.30	74.17	74.16	73.95	74.13
3	74.36	74.63	74.45	74.70	74.61	74.55	74.45	74.36	74.14	74.11	74.03	74.13
4	74.37	74.62	74.44	74.45	74.56	74.55	74.48	74.33	74.14	74.08	74.07	74.06
5	74.38	74.60	74.43	74.46	74.60	74.57	74.43	74.23	74.15	74.11	74.09	74.10
6	74.38	74.58	74.48	74.55	74.63	74.52	74.42	74.26	74.15	74.09	74.03	74.08
7	74.42	74.58	74.49	74.66	74.63	74.52	74.43	74.29	74.14	74.15	74.06	74.05
8	74.39	74.51	74.47	74.73	74.65	74.56	74.43	74.29	74.11	74.12	74.07	74.04
9	74.40	74.47	74.30	74.78	74.69	74.55	74.44	74.25	74.15	74.13	74.03	74.08
10	74.32	74.53	74.36	74.78	74.62	74.55	74.43	74.24	74.14	74.09	73.96	74.16
11	74.35	74.50	74.40	74.72	74.60	74.56	74.43	74.22	74.11	74.05	73.93	74.07
12	74.40	74.46	74.41	74.72	74.60	74.57	74.42	74.22	74.15	74.05	74.00	74.08
13	74.37	74.48*	74.42	74.65	74.57	74.53	74.42	74.23	74.15	74.05	74.05	74.12
14	74.38	/	74.43	74.67	74.60	74.54	74.44	74.25	74.18	74.06	74.03	74.10
15	74.35	/	74.44	74.67	74.59	74.53	74.41	74.26	74.16	74.04	73.96	74.00
16	74.34	74.60*	74.45	74.70	74.61	74.51	74.41	74.28	74.16	74.01	73.97	74.11
17	74.43	74.59	74.47	74.71	74.58	74.49	74.42	74.28	74.06	74.05	74.02	74.07
18	74.54	74.58	74.45	74.72	74.52	74.50	74.45	74.29	73.99	74.10	74.22	74.09
19	74.47	74.56	74.44	74.71	74.49	74.49	74.36	74.30	74.07	74.04	74.15	74.12
20	74.52	74.52	74.44	74.70	74.53	74.43	74.41	74.28	74.11	74.00	74.06	74.16
21	74.65	74.48	74.44	74.68	74.55	74.43	74.41	74.26	74.09	74.00	74.00	74.27
22	74.57	74.45	74.41	74.58	74.57	74.40	74.40	74.30	74.10	74.01	74.01	74.19
23	74.74	74.44	74.44	74.68	74.51	74.40	74.42	74.27	74.18	74.05	74.04	74.18
24	74.77	74.45	74.42	74.61	74.55	74.46	74.45	74.26	74.11	74.02	74.08	74.09
25	74.69	74.43	74.42	74.64	74.53	74.44	74.41	74.29	74.13	74.15	73.87	74.15
26	74.61	74.40	74.49	74.62	74.51	74.47	74.40	74.17	74.18	74.02	73.93	74.10
27	74.65	74.38	74.48	74.66	74.54	74.47	74.41	74.11	74.10	74.06	73.94	74.16
28	74.66	74.37	74.49	74.72	74.57	74.53	74.35	74.11	74.13	74.02	73.91	74.02
29	74.65		74.51	74.68	74.58	74.50	74.36	74.11	74.14	74.01	73.95	73.97
30	74.61		74.60	74.73	74.58	74.52	74.35	74.16	74.15	74.04	74.09	74.05
31	74.67		74.65		74.57		74.31	74.20		74.01		74.17
MEAN	74.49	74.52	74.45	74.66	74.59	74.51	74.41	74.25	74.13	74.06	74.02	74.10
MAX.	74.97	74.68	74.76	74.81	74.79	74.62	74.54	74.40	74.26	74.34	74.38	74.34
	1400/23	1700/02	2000/31	0900/10	1500/01	1200/12	1700/04	0600/03	1300/26	0500/25	1300/18	2400/20
MIN.	74.23	74.33	74.21	74.31	74.46	74.36	74.25	74.05	73.94	73.96	73.75	73.87
	1100/02	0100/09	1200/09	0100/05	1100/19	0300/23	2400/30	1100/29	0700/18	0400/20	2000/25	1700/15

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

/ Indicates No Data.

ANNUAL MEAN: 74.35

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.86	Apr	74.16	Nov
Daily mean elevation:	74.94	1 May	74.05	25 Nov
Instant/hourly elevation:	74.97	1600/1 May	73.98	2000/25 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.83	24 Jan
74.80	2 Feb
74.78	31 Mar
74.94	30 Apr
74.94	1 May
74.76	12 Jun
74.67	4 Jul
74.54	3 Aug
74.37	1 Sep
74.33	2 Oct
74.29	18 Nov
74.39	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.58	2 Jan
74.63	28 Feb
74.56	9 Mar
74.67	4 Apr
74.73	26 May
74.64	23 Jun
74.51	31 Jul
74.31	28 Aug
74.21	18 Sep
74.16	31 Oct
74.05	25 Nov
74.18	29 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.90				8	1								74.90	9
74.85				14	3								74.85	26
74.80	2			3	10								74.80	41
74.75	7	9	1	3	10	5							74.75	76
74.70	1	13	2	1	7	12							74.70	112
74.65	5	4	13	1		8	3						74.65	146
74.60	13	2	13			5	21						74.60	200
74.55	3		2				4						74.55	209
74.50							3	3					74.50	215
74.45								8					74.45	223
74.40								14					74.40	237
74.35								2	1			1	74.35	241
74.30								4	17	2		6	74.30	270
74.25									11	9	1	10	74.25	301
74.20									1	9	3	12	74.20	326
74.15										11	11	2	74.15	350
74.10											11		74.10	361
74.05											3		74.05	364
74.00											1		74.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 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	74.65	74.77	74.60	74.76	74.94	74.75	74.67	74.50	74.37	74.29	74.14	74.23
2	74.58	74.80	74.73	74.78	74.88	74.74	74.62	74.51	74.34	74.33	74.12	74.27
3	74.64	74.79	74.69	74.82	74.84	74.75	74.66	74.54	74.33	74.29	74.18	74.26
4	74.64	74.79	74.68	74.67	74.82	74.76	74.67	74.51	74.32	74.27	74.19	74.22
5	74.65	74.77	74.67	74.71	74.84	74.76	74.64	74.45	74.32	74.28	74.22	74.25
6	74.65	74.77	74.69	74.77	74.86	74.73	74.62	74.46	74.32	74.27	74.18	74.24
7	74.68	74.77	74.69	74.85	74.85	74.73	74.63	74.47	74.30	74.31	74.18	74.21
8	74.64	74.72	74.68	74.88	74.85	74.76	74.63	74.48	74.29	74.29	74.19	74.22
9	74.65	74.71	74.56	74.92	74.86	74.76	74.63	74.44	74.33	74.30	74.18	74.24
10	74.60	74.76	74.61	74.92	74.83	74.75	74.63	74.45	74.32	74.27	74.12	74.29
11	74.63	74.74	74.63	74.89	74.82	74.74	74.62	74.42	74.29	74.23	74.10	74.22
12	74.66	74.72	74.66	74.90	74.82	74.76	74.62	74.42	74.33	74.22	74.14	74.26
13	74.64	74.71	74.66	74.88	74.79	74.74	74.59	74.43	74.33	74.22	74.17	74.28
14	74.63	74.72	74.65	74.88	74.81	74.73	74.63	74.44	74.34	74.22	74.16	74.25
15	74.63	74.76	74.65	74.89	74.81	74.73	74.62	74.44	74.32	74.21	74.11	74.18
16	74.60	74.75	74.65	74.90	74.80	74.72	74.62	74.44	74.32	74.19	74.13	74.30
17	74.62	74.75	74.66	74.91	74.79	74.71	74.62	74.45	74.26	74.22	74.15	74.25
18	74.69	74.75	74.65	74.92	74.75	74.70	74.63	74.47	74.21	74.23	74.29	74.26
19	74.62	74.75	74.65	74.92	74.74	74.69	74.57	74.47	74.26	74.20	74.25	74.29
20	74.67	74.73	74.65	74.91	74.75	74.65	74.62	74.46	74.30	74.18	74.18	74.32
21	74.76	74.72	74.65	74.90	74.77	74.65	74.61	74.43	74.29	74.17	74.13	74.39
22	74.70	74.69	74.63	74.84	74.78	74.64	74.61	74.47	74.30	74.18	74.13	74.32
23	74.81	74.70	74.64	74.90	74.74	74.64	74.61	74.45	74.35	74.22	74.16	74.33
24	74.83	74.71	74.63	74.86	74.76	74.66	74.62	74.44	74.29	74.19	74.19	74.26
25	74.78	74.69	74.62	74.87	74.74	74.65	74.61	74.45	74.31	74.27	74.05	74.32
26	74.73	74.67	74.67	74.86	74.73	74.67	74.59	74.36	74.34	74.17	74.11	74.27
27	74.77	74.65	74.66	74.87	74.75	74.67	74.61	74.32	74.29	74.21	74.10	74.32
28	74.78	74.63	74.67	74.93	74.77	74.70	74.56	74.31	74.30	74.18	74.07	74.21
29	74.77		74.67	74.89	74.76	74.68	74.55	74.32	74.31	74.17	74.12	74.18
30	74.76		74.72	74.94	74.76	74.70	74.54	74.33	74.32	74.19	74.24	74.23
31	74.80		74.78		74.76		74.51	74.37		74.16		74.33
MEAN	74.69	74.73	74.66	74.86	74.80	74.71	74.61	74.44	74.31	74.23	74.16	74.26
MAX.	74.94	74.83	74.86	74.97	74.97	74.80	74.72	74.57	74.42	74.42	74.38	74.45
	1400/23	1900/04	1900/31	0900/28	1600/01	2000/08	1600/04	0400/03	1200/26	0300/25	1300/18	2300/20
MIN.	74.49	74.60	74.51	74.60	74.71	74.62	74.47	74.28	74.19	74.13	73.98	74.05
	1800/19	2400/28	1100/09	2300/04	0200/26	0900/23	2100/30	0900/29	0600/18	1200/31	2000/25	1600/15

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

/ Indicates No Data.

ANNUAL MEAN: 74.54

ANNUAL SUMMARY OF LEVELS, 1987

Station 2000: Cape Vincent, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	75.02	Apr	74.24	Nov
Daily mean elevation:	75.08	19 Apr	74.16	25 Nov
Instant/hourly elevation:	75.10	1900/23 Apr	74.12	1300/25 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.89	23 Jan
74.90	7 Feb
74.89	31 Mar
75.08	19 Apr
75.01	8 May
74.88	9 Jun
74.80	4 Jul
74.67	3 Aug
74.47	1 Sep
74.44	2 Oct
74.32	18 Nov
74.43	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.76	17 Jan
74.80	27 Feb
74.74	9 Mar
74.85	1 Apr
74.87	31 May
74.79	25 Jun
74.66	31 Jul
74.45	28 Aug
74.37	18 Sep
74.26	31 Oct
74.16	25 Nov
74.30	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.05				6									75.05	6
75.00				14	4								75.00	24
74.95				2	9								74.95	35
74.90				1	8								74.90	44
74.85	2	11	1	1	7	6							74.85	72
74.80	18	5	9	1		8							74.80	113
74.75	8	1	18			7	20						74.75	167
74.70			1				8						74.70	176
74.65							3	1					74.65	180
74.60								6					74.60	186
74.55								16					74.55	202
74.50								2					74.50	204
74.45								5	2				74.45	211
74.40								1	25	3		3	74.40	243
74.35									3	7		8	74.35	261
74.30										12	2	14	74.30	289
74.25										9	8	6	74.25	312
74.20											16		74.20	328
74.15											4		74.15	332

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2000: Cape Vincent, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.83	74.86	/	74.85	/	74.86	74.80	74.65	74.47	74.41	74.24	74.30
2	74.79	74.89	/	74.90	/	74.86	74.78	74.65	74.46	74.44	74.23	74.33
3	74.84	74.89	74.84	74.92*	/	74.88*	74.80	74.67	74.45	74.40	74.26	74.31
4	74.83	74.89	74.83	/	75.01*	/	74.80	74.64	74.44	74.39	74.27	74.30
5	74.83	74.89	74.83	/	75.01	/	74.78	74.60	74.44	74.39	74.30	74.31
6	74.83	74.89	74.84	74.96*	75.01	/	74.77	74.61	74.43	74.37	74.27	74.32
7	74.85	74.90	74.83	74.99	75.00	/	74.78	74.61	74.42	74.42	74.27	74.30
8	74.82	74.85	74.82	75.01	75.01	/	74.78	74.61	74.42	74.40	74.27	74.30
9	74.81	74.86	74.74	75.03	75.00	74.88*	74.78	74.58	74.45	74.40	74.26	74.33
10	74.79	74.89	74.79	75.03	74.98	74.87	74.77	74.60	74.43	74.37	74.22	74.34
11	74.82	74.87	74.79	75.01	74.97	74.86*	74.76	74.57	74.42	74.35	74.21	74.30
12	74.83	74.86	74.82	75.03	74.98	/	74.76	74.57	74.45	74.34	74.24	74.34
13	74.81	74.85	74.81	75.04	74.96	/	74.76	74.57	74.45	74.34	74.25	74.36
14	74.81	74.83*	74.79	75.04	74.97	/	74.79	74.57	74.44	74.34	74.24	74.33
15	74.81	/	74.79	75.04	74.96	/	74.76	74.57	74.44	74.32	74.20	74.30
16	74.78	/	74.79	75.05	74.96	74.81*	74.76	74.57	74.43	74.31	74.22	74.39
17	74.76	/	74.80	75.06	74.94	74.84	74.76	74.57	74.38	74.33	74.24	74.35
18	74.80	/	74.79	75.07	74.92	74.83	74.77	74.58	74.37	74.32	74.32	74.35
19	74.78*	/	74.79	75.08	74.91	74.83	74.73	74.58	74.40	74.30	74.29	74.36
20	/	/	74.79	75.07	74.91	74.79	74.76	74.58	74.42	74.30	74.25	74.41
21	74.80*	/	74.79	75.06	74.92	74.79	74.75	74.56	74.41	74.29	74.22	74.43
22	74.80	/	74.78	75.04	74.92	74.79	74.75	74.59	74.42	74.29	74.21	74.38
23	74.89*	/	74.78	75.06	74.91	74.79	74.75	74.57	74.45	74.32	74.24	74.39
24	/	/	74.77	75.03	74.92	74.80	74.76	74.55	74.41	74.31	74.24	74.35
25	/	74.83	74.77	75.04	74.90	74.79	74.75	74.55	74.43	74.33	74.16	74.39
26	74.83*	74.82	74.80	75.03	74.88	74.81	74.74	74.49	74.45	74.27	74.22	74.36
27	74.84	74.80	74.79	75.03*	74.88	74.81	74.74	74.46	74.41	74.31	74.20	74.38
28	74.85	/	74.80	/	74.89	74.82	74.71	74.45	74.42	74.27	74.19	74.31
29	74.84		74.79	/	74.89	74.80	74.69	74.46	74.42	74.27	74.23	74.31
30	74.85		74.82	/	74.88	74.82	74.68	74.46	74.43	74.29	74.31	74.33
31	74.88		74.89		74.87		74.66	74.48		74.26		74.41
MEAN	74.82	74.86	74.80	75.02	74.94	74.83	74.76	74.57	74.43	74.34	74.24	74.34
MAX.	75.03	74.96	75.02	75.10	75.04	74.91	74.85	74.70	74.52	74.54	74.44	74.51
	1200/23	1700/08	1000/31	1900/23	1700/09	1100/03	1300/14	1500/23	1000/26	1400/07	1900/05	2000/20
MIN.	74.71	74.73	74.68	74.83	74.83	74.76	74.62	74.43	74.33	74.23	74.12	74.13
	0300/18	2200/08	0900/09	0400/02	1900/28	1400/25	2200/30	0800/29	0400/18	1000/31	1300/25	1200/15

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

/ Indicates No Data.

ANNUAL MEAN: 74.66

ANNUAL SUMMARY OF LEVELS, 1987
Station 2030: Oswego, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	75.04	Apr	74.29	Nov
Daily mean elevation:	75.10	30 Apr	74.23	23 Nov
Instant/hourly elevation:	75.14	1000/30 Apr	74.10	2400/17 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.92	31 Jan
74.94	4 Feb
74.89	31 Mar
75.10	30 Apr
75.06	1 May
74.92	9 Jun
74.83	4 Jul
74.66	4 Aug
74.51	1 Sep
74.46	4 Oct
74.37	5 Nov
74.45	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.79	17 Jan
74.79	28 Feb
74.78	25 Mar
74.88	1 Apr
74.89	31 May
74.80	26 Jun
74.67	31 Jul
74.47	31 Aug
74.41	19 Sep
74.28	27 Oct
74.23	23 Nov
74.33	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.05				18	1								75.05	19
75.00				6	7								75.00	32
74.95				1	10								74.95	43
74.90	3	8		3	7	1							74.90	65
74.85	12	16	5	2	6	16							74.85	122
74.80	14	3	22			11	6						74.80	178
74.75	2	1	4			2	18						74.75	205
74.70							4						74.70	209
74.65							3	2					74.65	214
74.60								9					74.60	223
74.55								14					74.55	237
74.50								1	1				74.50	239
74.45								5	11	2			74.45	257
74.40									18	6		9	74.40	290
74.35										6	1	16	74.35	313
74.30										14	7	6	74.30	340
74.25										3	18		74.25	361
74.20											4		74.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2030: Oswego, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.86	74.88	74.81	74.88	75.06	74.89	74.83	74.64	74.51	74.45	74.29	74.36
2	74.89	74.90	74.89	74.89	75.05	74.89	74.80	74.62	74.48	74.43	74.27	74.38
3	74.89	74.91	74.87	74.92	75.05	74.89	74.82	74.66	74.48	74.46	74.28	74.35
4	74.86	74.94	74.86	74.93	75.04	74.90	74.83	74.66	74.46	74.46	74.29	74.37
5	74.86	74.91	74.85	74.95	75.03	74.90	74.81	74.63	74.44	74.41	74.37	74.39
6	74.82	74.92	74.84	75.00	75.02	74.90	74.79	74.62	74.44	74.39	74.34	74.39
7	74.88	74.90	74.84	75.02	75.03	74.86	74.78	74.61	74.43	74.41	74.31	74.35
8	74.85	74.89	74.84	75.02	75.01	74.90	74.77	74.62	74.44	74.45	74.28	74.34
9	74.84	74.93	74.87	75.04	75.00	74.92	74.79	74.60	74.46	74.39	74.31	74.34
10	74.81	74.93	74.84	75.04	74.99	74.90	74.77	74.63	74.45	74.41	74.30	74.37
11	74.87	74.91	74.82	75.05	74.98	74.88	74.78	74.61	74.44	74.39	74.29	74.35
12	74.88	74.90	74.82	75.06	74.99	74.88	74.78	74.59	74.43	74.37	74.29	74.36
13	74.84	74.92	74.83	75.08	74.97	74.89	74.78	74.58	74.44	74.37	74.28	74.41
14	74.81	74.87	74.82	75.07	74.96	74.88	74.82	74.58	74.46	74.35	74.29	74.38
15	74.83	74.89	74.83	75.07	74.98	74.89	74.82	74.57	74.45	74.35	74.26	74.33
16	74.83	74.87	74.83	75.07	74.97	74.88	74.79	74.57	74.46	74.33	74.25	74.43
17	74.79	74.87	74.83	75.08	74.96	74.87	74.78	74.58	74.44	74.33	74.23	74.42
18	74.80	74.87	74.82	75.08	74.96	74.85	74.77	74.60	74.43	74.34	74.31	74.40
19	74.81	74.88	74.81	75.09	74.93	74.85	74.75	74.60	74.41	74.33	74.29	74.39
20	74.82	74.87	74.81	75.08	74.92	74.83	74.77	74.60	74.43	74.32	74.32	74.39
21	74.85	74.86	74.82	75.08	74.92	74.81	74.77	74.57	74.45	74.34	74.33	74.45
22	74.81	74.85	74.81	75.09	74.92	74.82	74.77	74.59	74.44	74.33	74.27	74.40
23	74.91	74.87	74.80	75.07	74.93	74.83	74.75	74.61	74.46	74.32	74.23	74.43
24	74.92	74.88	74.79	75.08	74.93	74.81	74.75	74.58	74.48	74.32	74.26	74.39
25	74.87	74.86	74.78	75.08	74.92	74.80	74.76	74.57	74.48	74.37	74.26	74.43
26	74.85	74.84	74.80	75.06	74.89	74.80	74.77	74.53	74.47	74.31	74.30	74.43
27	74.86	74.81	74.81	75.04	74.90	74.82	74.76	74.48	74.44	74.28	74.26	74.44
28	74.86	74.79	74.82	75.06	74.90	74.84	74.72	74.47	74.44	74.32	74.25	74.40
29	74.87		74.81	75.07	74.90	74.82	74.70	74.47	74.43	74.31	74.28	74.44
30	74.84		74.81	75.10	74.90	74.83	74.70	74.47	74.46	74.30	74.34	74.40
31	74.92		74.89		74.89		74.67	74.47		74.30		74.37
MEAN	74.85	74.88	74.83	75.04	74.96	74.86	74.77	74.58	74.45	74.36	74.29	74.39
MAX.	75.00	75.04	74.98	75.14	75.11	74.97	74.88	74.69	74.55	74.51	74.51	74.53
	1100/23	0100/13	1800/31	1000/30	1200/03	0800/13	1600/14	0900/03	0400/01	0400/03	1900/05	1700/16
MIN.	74.73	74.77	74.73	74.83	74.85	74.74	74.65	74.42	74.38	74.22	74.10	74.16
	2300/17	1500/28	2000/25	0100/02	2000/30	1100/08	1700/31	1800/28	0500/28	0900/27	2400/17	1500/15

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

/ Indicates No Data.

ANNUAL MEAN: 74.69

ANNUAL SUMMARY OF LEVELS, 1987
Station 2058: Rochester, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	75.06	Apr	74.29	Nov
Daily mean elevation:	75.10	24 Apr	74.25	23 Nov
Instant/hourly elevation:	75.16	0600/22 Apr	74.19	0700/8 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.91	31 Jan
74.94	4 Feb
74.88	9 Mar
75.10	24 Apr
75.07	3 May
74.92	9 Jun
74.84	1 Jul
74.67	5 Aug
74.50	24 Sep
74.47	3 Oct
74.33	30 Nov
74.46	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.81	18 Jan
74.84	28 Feb
74.80	25 Mar
74.91	2 Apr
74.92	31 May
74.82	26 Jun
74.68	31 Jul
74.47	31 Aug
74.44	29 Sep
74.30	30 Oct
74.25	23 Nov
74.35	1 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.05				21	3								75.05	24
75.00				4	9								75.00	37
74.95				2	7								74.95	46
74.90	1	12		3	12	9							74.90	83
74.85	13	13	10			9							74.85	128
74.80	17	3	20			12	7						74.80	187
74.75			1				19						74.75	207
74.70							3						74.70	210
74.65							2	5					74.65	217
74.60								14					74.60	231
74.55								6					74.55	237
74.50								1					74.50	238
74.45								5	23	2		1	74.45	269
74.40									7	6		12	74.40	294
74.35										8		17	74.35	319
74.30										13	6	1	74.30	339
74.25										2	23		74.25	364
74.20											1		74.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2058: Rochester, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.88	74.90	74.85	74.91	75.07	74.92	74.84	74.67	74.49	74.46	74.30	74.35
2	74.89	74.90	74.86	74.91	75.07	74.92	74.82	74.65	74.50	74.43	74.30	74.37
3	74.89	74.91	74.88	74.94	75.07	74.91	74.81	74.66	74.49	74.47	74.30	74.36
4	74.87	74.94	74.88	75.01	75.05	74.92	74.82	74.67	74.47	74.45	74.30	74.39
5	74.86	74.92	74.86	74.98	75.04	74.92	74.82	74.67	74.45	74.42	74.32	74.38
6	74.85	74.91	74.86	75.00	75.04	74.91	74.80	74.66	74.44	74.41	74.31	74.38
7	74.86	74.91	74.86	75.02	75.04	74.89	74.79	74.64	74.44	74.41	74.30	74.37
8	74.86	74.93	74.86	75.04	75.03	74.89	74.80	74.65	74.46	74.43	74.28	74.36
9	74.84	74.93	74.88	75.04	75.01	74.92	74.80	74.65	74.47	74.40	74.31	74.36
10	74.84	74.92	74.86	75.06	75.02	74.91	74.80	74.64	74.48	74.40	74.31	74.37
11	74.85	74.92	74.85	75.07	75.01	74.89	74.80	74.62	74.47	74.40	74.30	74.37
12	74.84	74.91	74.84	75.08	75.02	74.90	74.79	74.61	74.46	74.38	74.28	74.37
13	74.84	74.92	74.85	75.09	75.00	74.91	74.78	74.61	74.46	74.37	74.28	74.37
14	74.83	74.91	74.85	75.09	74.97	74.89	74.82	74.61	74.47	74.36	74.29	74.38
15	74.83	74.90	74.84	75.10	75.00	74.89	74.82	74.62	74.47	74.36	74.28	74.38
16	74.83	74.90	74.84	75.10	74.99	74.89	74.80	74.62	74.47	74.36	74.28	74.41
17	74.81	74.89	74.84	75.10	74.98	74.88	74.78	74.62	74.46	74.35	74.26	74.43
18	74.81	74.89	74.83	75.10	74.97	74.86	74.76	74.62	74.46	74.35	74.28	74.41
19	74.84	74.89	74.83	75.10	74.97	74.85	74.77	74.61	74.45	74.34	74.29	74.39
20	74.83	74.89	74.83	75.10	74.95	74.84	74.77	74.60	74.45	74.34	74.30	74.40
21	74.82	74.88	74.83	75.10	74.94	74.84	74.78	74.58	74.46	74.34	74.32	74.41
22	74.83	74.88	74.82	75.10	74.95	74.83	74.78	74.58	74.49	74.33	74.28	74.41
23	74.85	74.88	74.82	75.09	74.95	74.84	74.76	74.60	74.49	74.32	74.25	74.42
24	74.85	74.88	74.81	75.10	74.94	74.83	74.76	74.58	74.50	74.32	74.26	74.42
25	74.86	74.87	74.80	75.09	74.93	74.82	74.77	74.56	74.49	74.33	74.28	74.43
26	74.87	74.85	74.81	75.08	74.93	74.82	74.76	74.54	74.46	74.32	74.30	74.44
27	74.86	74.84	74.83	75.07	74.93	74.83	74.74	74.50	74.46	74.30	74.29	74.43
28	74.86	74.84	74.83	75.08	74.93	74.85	74.73	74.49	74.45	74.31	74.28	74.43
29	74.88		74.84	75.08	74.92	74.84	74.71	74.49	74.44	74.31	74.30	74.46
30	74.88		74.84	75.08	74.92	74.84	74.69	74.48	74.46	74.30	74.33	74.42
31	74.91		74.87		74.92		74.68	74.47		74.32		74.39
MEAN	74.85	74.90	74.84	75.06	74.99	74.88	74.78	74.60	74.47	74.37	74.29	74.40
MAX.	74.95	75.02	74.98	75.16	75.10	74.99	74.87	74.72	74.54	74.51	74.38	74.52
	1300/31	2100/08	2100/31	0600/22	2000/03	0900/08	2300/03	1500/02	0500/24	0200/04	0700/09	1300/24
MIN.	74.76	74.79	74.73	74.88	74.84	74.80	74.65	74.44	74.41	74.26	74.19	74.27
	2000/17	1000/27	1500/25	1700/01	2300/14	1600/26	1600/31	1800/31	1900/29	1200/30	0700/08	0800/15

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

/ Indicates No Data.

ANNUAL MEAN: 74.70

ANNUAL SUMMARY OF LEVELS, 1987
Station 2076: Olcott, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	75.07	Apr	74.31	Nov
Daily mean elevation:	75.13	16 Apr	74.28	24 Nov
Instant/hourly elevation:	75.16	2200/21 Apr	74.25	2100/6 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.90	31 Jan
74.94	8 Feb
74.89	9 Mar
75.13	16 Apr
75.08	2 May
74.94	3 Jun
74.85	2 Jul
74.70	4 Aug
74.54	22 Sep
74.48	1 Oct
74.37	29 Nov
74.47	24 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.81	24 Jan
74.86	28 Feb
74.82	22 Mar
74.92	1 Apr
74.93	31 May
74.84	23 Jun
74.70	31 Jul
74.49	29 Aug
74.46	7 Sep
74.32	25 Oct
74.28	24 Nov
74.36	13 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.10				11									75.10	11
75.05				10	3								75.05	24
75.00				6	11								75.00	41
74.95					11								74.95	52
74.90		15		3	6	12							74.90	88
74.85	15	13	14			14							74.85	144
74.80	16		17			4	16						74.80	197
74.75							9						74.75	206
74.70							4						74.70	210
74.65							2	8					74.65	220
74.60								8					74.60	228
74.55								5					74.55	233
74.50								3	5				74.50	241
74.45								4	25	3		2	74.45	275
74.40										7		11	74.40	293
74.35										9	2	18	74.35	322
74.30										12	16		74.30	350
74.25											12		74.25	362
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 2076: Olcott, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.90	74.92	74.89	74.92	75.07	74.93	74.85	74.68	74.50	74.48	74.33	74.37
2	74.89	74.91	74.85	74.93	75.08	74.94	74.85	74.67	74.50	74.47	74.33	74.36
3	74.88	74.92	74.88	74.94	75.07	74.94	74.83	74.69	74.49	74.47	74.31	74.39
4	74.88	74.91	74.87	75.01	75.05	74.93	74.83	74.70	74.48	74.43	74.32	74.39
5	74.87	74.91	74.88	75.01	75.04	74.93	74.84	74.69	74.46	74.44	74.29	74.37
6	74.88	74.91	74.87	75.01	75.04	74.92	74.83	74.68	74.46	74.44	74.30	74.37
7	74.84	74.91	74.86	75.02	75.04	74.92	74.84	74.68	74.46	74.42	74.30	74.38
8	74.85	74.94	74.87	75.04	75.03	74.91	74.83	74.67*	74.48*	74.44	74.31	74.38
9	74.85	74.92	74.89	75.05	75.02	74.92	74.83	/	74.49*	74.43	74.32	74.38
10	74.86	74.91	74.87	75.07	75.02	74.91	74.83	/	74.50	74.43	74.32	74.37
11	74.82	74.91	74.87	75.08	75.01	74.90	74.83	/	74.50	74.40	74.31	74.40
12	74.81	74.92	74.85	75.10	75.01	74.91	74.82	74.65*	74.50	74.40	74.29	74.38
13	74.82	74.91	74.85	75.10	75.02	74.91	74.82	74.65	74.50	74.39	74.30	74.36
14	74.83	74.91	74.86	75.12	75.01	74.90	74.83	74.65	74.49	74.38	74.30	74.38
15	74.82	74.90	74.85	75.12	75.00	74.90	74.84	74.64	74.49	74.38	74.32	74.43
16	74.83	74.91	74.84	75.13	74.99	74.89	74.81	74.63	74.49	74.39	74.32	74.40
17	74.83	74.90	74.83	75.12	75.00	74.88	74.79	74.63	74.50	74.38	74.32	74.42
18	74.82	74.89	74.84	75.12	74.99	74.87	74.80	74.62	74.49	74.38	74.29	74.42
19	74.85	74.88	74.83	75.12	74.99	74.87	74.80	74.62	74.50	74.38*	74.30	74.40
20	74.84	74.89	74.83	75.12	74.98	74.86	74.78	74.60	74.52	74.35*	74.31	74.42
21	74.83	74.89	74.82	75.12	74.97	74.84	74.79	74.60	74.54	74.35	74.30	74.39
22	74.86	74.90	74.82	75.11	74.97	74.85	74.79	74.59	74.54	74.35	74.29	74.42
23	74.81	74.87	74.83	75.11	74.97	74.84	74.78	74.58	74.51	74.35	74.29	74.42
24	74.81	74.86	74.83	75.11	74.96	74.85	74.78	74.56	74.52	74.35	74.28	74.47
25	74.86	74.86	74.83	75.10	74.96	74.86	74.79	74.54	74.50	74.32	74.33	74.43
26	74.88	74.86	74.83	75.10	74.95	74.86	74.75	74.54	74.48	74.34	74.33	74.44
27	74.87	74.87	74.84	75.09	74.94	74.87	74.73	74.51	74.49	74.33	74.33	74.43
28	74.88	74.86	74.84	75.09	74.94	74.87	74.73	74.50	74.47	74.33	74.35	74.46
29	74.89		74.86	75.09	74.94	74.88	74.70	74.49	74.47	74.33	74.37	74.43
30	74.90		74.86	75.07	74.93	74.86	74.71	74.50	74.48	74.33	74.36	74.42
31	74.90		74.87		74.93		74.70	74.50		74.33		74.40
MEAN	74.85	74.90	74.85	75.07	75.00	74.89	74.80	74.61	74.49	74.39	74.31	74.40
MAX.	74.96	74.99	74.96	75.16	75.11	75.01	74.87	74.75	74.59	74.51	74.38	74.53
	2300/29	2000/08	1600/31	2200/21	1700/03	1200/08	1800/02	1200/04	0300/24	2300/03	2200/29	0100/25
MIN.	74.75	74.83	74.77	74.88	74.90	74.82	74.68	74.47	74.44	74.25	74.25	74.32
	1000/23	0300/27	1300/25	1000/01	1200/31	0600/24	2400/31	2400/29	0800/07	0100/25	2100/06	0700/13

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

/ Indicates No Data.

ANNUAL MEAN: 74.71

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	99.13	Apr	96.64	Nov
Daily mean elevation:	100.01	12 Jan	95.79	15 Nov
Instant/hourly elevation:	102.16	0600/16 Dec	95.72	0800/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
100.01	12 Jan
99.24	10 Feb
99.96	2 Mar
99.70	2 Apr
99.10	15 May
99.10	26 Jun
99.12	21 Jul
98.97	3 Aug
98.69	23 Sep
98.81	2 Oct
97.76	18 Nov
99.63	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
97.72	19 Jan
97.07	17 Feb
97.40	10 Mar
98.33	4 Apr
98.29	19 May
98.17	17 Jun
98.49	5 Jul
98.08	28 Aug
97.99	16 Sep
97.74	11 Oct
95.79	15 Nov
95.86	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
99.90	2		1										99.90	3
99.75													99.75	3
99.60				1								1	99.60	5
99.45	2			5									99.45	12
99.30	1			3									99.30	16
99.15		1		6									99.15	23
99.00	7			6	4	1	5						99.00	46
98.85	3	2	1	2	6	7	10	1					98.85	78
98.70	1	2	1	4	12	7	7	2		1			98.70	115
98.55	5	5		2	3	5	7	7	3				98.55	152
98.40	6	1	2		5	7	2	7	3				98.40	185
98.25		1		1	1	1		7	7	4			98.25	207
98.10	1	2	2			2		5	13	7		1	98.10	240
97.95	1	2	8					2	4	4		2	97.95	263
97.80		5	7							14		1	97.80	290
97.65	2	4	6							1	1		97.65	304
97.50		1	1								1	1	97.50	308
97.35		1	2								2	4	97.35	317
97.20											2	4	97.20	323
97.05		1									5	1	97.05	330
96.90											3	4	96.90	337
96.75												2	96.75	339
96.60												2	96.60	341
96.45											2	2	96.45	345
96.30											3	2	96.30	350
96.15											3	2	96.15	355
96.00											2	1	96.00	358
95.85											3	1	95.85	362
95.70											3		95.70	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	98.48	98.60	97.77	99.50	99.01	99.00	98.70	98.52	98.69	98.31	95.84	97.01
2	98.46	98.71	99.96	99.70	98.82	98.72	98.52	98.58	98.41	98.81	96.32	97.20
3	99.11	98.53	98.99	99.60	98.54	98.81	98.79	98.97	98.24	97.90	97.11	96.98
4	98.60	98.65	98.47	98.33	98.53	98.94	98.69	98.82	98.08	98.12	97.15	96.25
5	98.65	98.63	98.20	98.76	98.80	98.75	98.49	98.25	98.14	98.24	97.28	96.37
6	98.64	98.86	98.22	99.27	98.91	98.45	98.69	98.43	98.18	98.22	97.45	96.10
7	99.11	98.69	98.54	99.41	98.86	98.57	98.93	98.56	98.15	98.21	97.48	96.27
8	99.34	98.96	98.10	99.49	98.99	98.99	99.01	98.41	98.22	98.12	96.96	96.39
9	98.86	98.63	97.81	99.47	99.06	98.69	98.93	98.39	98.40	98.35	96.96	97.31
10	98.68	99.24	97.40	99.36	98.84	98.44	98.96	98.57	98.31	97.88	96.22	97.41
11	99.03	98.38	97.79	99.23	99.05	98.45	98.75	98.19	98.30	97.74	95.84	96.72
12	100.01	98.14	98.00	98.99	98.96	98.78	98.65	98.34	98.16	97.86	97.08	98.05
13	99.11	98.72	97.98	99.46	98.74	98.72	98.88	98.35	98.22	97.86	97.15	97.89
14	99.04	97.87	97.83	99.01	98.89	98.61	98.93	98.44	98.31	97.83	96.24	96.71
15	99.15	98.09	97.41	99.11	99.10	98.52	98.75	98.31	98.26	97.86	95.79	97.61
16	98.74	97.69	97.54	99.00	98.71	98.43	98.65	98.33	97.99	97.83	96.38	99.63
17	98.22	97.07	97.89	99.13	98.74	98.17	98.72	98.63	98.13	98.02	96.54	97.47
18	98.86	97.60	97.88	99.04	98.71	98.26	98.78	98.62	98.13	98.26	97.76	97.35
19	97.72	98.17	97.96	99.18	98.29	98.42	98.69	98.58	98.24	97.86	97.30	97.32
20	98.51	97.91	98.05	99.26	98.80	98.44	99.09	98.45	98.32	97.86	97.08	97.47
21	99.55	97.82	97.94	99.27	98.83	98.23	99.12	98.37	98.23	98.05	96.36	98.17
22	98.51	97.74	97.84	98.76	98.85	98.69	98.95	98.62	98.29	98.00	96.04	97.35
23	99.59	98.02	97.70	98.84	98.79	98.65	99.03	98.43	98.69	98.14	96.60	97.39
24	99.96	97.87	97.70	98.72	98.59	98.79	99.01	98.36	98.56	98.07	96.95	96.89
25	98.01	97.87	97.75	98.61	98.45	98.96	98.91	98.49	98.25	98.26	95.91	96.93
26	97.75	97.78	98.05	98.67	98.55	99.10	98.89	98.24	98.54	98.17	95.90	96.56
27	98.46	97.46	97.96	99.02	98.61	98.80	98.84	98.09	98.02	97.89	95.89	96.83
28	98.65	97.67	97.87	99.33	98.70	98.93	98.89	98.08	98.06	97.92	96.02	95.86
29	98.50		97.72	99.19	98.79	98.90	98.81	98.14	98.25	97.86	96.17	96.47
30	98.97		98.01	99.11	98.46	98.96	98.97	98.25	98.53	97.86	97.51	97.04
31	99.09		98.83		98.98		98.70	98.72		97.87		98.02
MEAN	98.82	98.19	98.04	99.13	98.77	98.67	98.83	98.44	98.28	98.04	96.64	97.13
MAX.	102.14	100.63	100.82	101.02	100.26	100.29	100.21	100.03	99.97	99.89	99.23	102.16
	0400/12	0100/10	0900/02	2400/02	1400/01	1400/25	1300/07	1600/03	1700/23	1600/02	1100/18	0600/16
MIN.	96.62	96.49	96.83	96.01	96.05	96.26	96.52	95.86	96.17	95.90	95.72	95.72
	1900/19	0100/17	0700/10	0100/05	0300/19	2400/17	2400/31	0100/27	2400/07	2300/29	1900/10	0800/15

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

/ Indicates No Data.

ANNUAL MEAN: 98.25

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST			LOWEST		
Monthly mean elevation:	170.33	Jan		170.17	May
Daily mean elevation:	170.58	3 Mar		169.98	2 Jun
Instant/hourly elevation:	170.61	1500/21 Jan		169.87	2100/22 May

HIGHEST DAILY MEAN FOR EACH MONTH		LOWEST DAILY MEAN FOR EACH MONTH	
Elev.	Date	Elev.	Date
170.58	21 Jan	170.20	19 Jan
170.49	5 Feb	170.18	28 Feb
170.58	3 Mar	170.08	10 Mar
170.44	2 Apr	170.11	22 Apr
170.22	10 May	170.13	19 May
170.33	28 Jun	169.98	2 Jun
170.39	20 Jul	170.11	31 Jul
170.30	17 Aug	170.12	1 Aug
170.34	23 Sep	170.18	4 Sep
170.42	26 Oct	170.14	11 Oct
170.39	30 Nov	170.09	10 Nov
170.55	21 Dec	170.01	12 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
170.55	2		1										170.55	3
170.50	1		1									1	170.50	6
170.45	2	1	1									3	170.45	13
170.40	2	1		1						1			170.40	18
170.35	2	3	2				2				2		170.35	29
170.30		1	7	2		1	1		2	2	2	2	170.30	49
170.25	20	16	12	4		8	14	5	4	2	3	9	170.25	146
170.20	1	3	3	9	3	7	10	19	14	14	7	4	170.20	240
170.15	1	3	3	9	20	10	3	4	10	10	5	4	170.15	322
170.10				5	8	3	1	3		2	10	1	170.10	355
170.05			1								1	1	170.05	358
170.00												6	170.00	364
169.95						1							169.95	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	170.30	170.26	170.27	170.25	170.19	170.14	170.22	170.12	170.23	170.20	170.14	170.23
2	170.27	170.27	170.53	170.44	170.17	169.98	170.23	170.19	170.22	170.35	170.15	170.33
3	170.26	170.33	170.58	170.26	170.15	170.16	170.25	170.23	170.18	170.16	170.22	170.22
4	170.29	170.36	170.46	170.12	170.17	170.17	170.28	170.22	170.18	170.19	170.20	170.18
5	170.27	170.49	170.29	170.18	170.16	170.18	170.26	170.20	170.19	170.24	170.26	170.22
6	170.28	170.28	170.27	170.22	170.19	170.12	170.23	170.24	170.22	170.21	170.31	170.23
7	170.42	170.27	170.26	170.26	170.20	170.17	170.28	170.27	170.19	170.23	170.32	170.26
8	170.25	170.36	170.34	170.31	170.21	170.26	170.32	170.25	170.19	170.22	170.15	170.28
9	170.29	170.42	170.22	170.25	170.21	170.15	170.26	170.23	170.22	170.32	170.15	170.27
10	170.27	170.39	170.08	170.27	170.22	170.19	170.29	170.22	170.21	170.16	170.09	170.26
11	170.37	170.28	170.18	170.29	170.16	170.16	170.29	170.21	170.22	170.14	170.14	170.10
12	170.58	170.25	170.28	170.21	170.14	170.23	170.27	170.22	170.20	170.19	170.24	170.01
13	170.29	170.30	170.32	170.31	170.14	170.23	170.29	170.22	170.20	170.20	170.22	170.02
14	170.26	170.27	170.30	170.22	170.17	170.23	170.27	170.24	170.19	170.21	170.17	170.05
15	170.28	170.26	170.20	170.20	170.18	170.19	170.24	170.24	170.20	170.22	170.13	170.20
16	170.26	170.24	170.19	170.12	170.17	170.20	170.21	170.26	170.23	170.20	170.13	170.46
17	170.30	170.19	170.28	170.18	170.18	170.17	170.23	170.30	170.25	170.23	170.13	170.50
18	170.26	170.27	170.30	170.19	170.16	170.20	170.28	170.27	170.25	170.22	170.36	170.50
19	170.20	170.28	170.28	170.22	170.13	170.22	170.28	170.21	170.31	170.21	170.29	170.30
20	170.50	170.26	170.33	170.19	170.18	170.24	170.39	170.20	170.27	170.21	170.23	170.29
21	170.58	170.29	170.30	170.23	170.17	170.26	170.30	170.21	170.23	170.23	170.19	170.55
22	170.36	170.29	170.31	170.11	170.16	170.27	170.26	170.23	170.23	170.24	170.19	170.32
23	170.48	170.26	170.26	170.16	170.19	170.21	170.25	170.24	170.34	170.27	170.23	170.27
24	170.52	170.26	170.22	170.15	170.16	170.22	170.27	170.21	170.28	170.20	170.25	170.28
25	170.42	170.28	170.23	170.22	170.15	170.29	170.22	170.23	170.25	170.28	170.15	170.18
26	170.26	170.25	170.39	170.19	170.14	170.29	170.36	170.18	170.27	170.42	170.13	170.04
27	170.26	170.18	170.33	170.19	170.17	170.28	170.20	170.15	170.19	170.23	170.16	170.04
28	170.26	170.18	170.32	170.25	170.15	170.33	170.17	170.15	170.22	170.20	170.25	170.17
29	170.28		170.27	170.15	170.15	170.26	170.19	170.21	170.21	170.18	170.26	170.26
30	170.27		170.33	170.17	170.18	170.28	170.24	170.24	170.27	170.21	170.39	170.13
31	170.28		170.36		170.19		170.11	170.28		170.15		170.02
MEAN	170.33	170.29	170.30	170.22	170.17	170.21	170.26	170.22	170.23	170.22	170.21	170.23
MAX.	170.61	170.56	170.61	170.60	170.44	170.53	170.56	170.47	170.49	170.52	170.51	170.61
	1500/21	1500/10	1500/03	2200/02	0700/10	0700/30	0700/20	0600/18	2300/23	0500/26	0300/07	1200/21
MIN.	169.96	170.10	170.03	169.87	169.87	169.88	169.91	169.92	169.97	169.90	170.04	169.98
	2000/19	1100/17	0500/10	2200/04	2100/22	2100/06	2100/31	2100/01	1900/18	2000/31	1900/26	0700/12

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

/ Indicates No Data.

ANNUAL MEAN: 170.24

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	171.24	Jan	171.00	Nov
Daily mean elevation:	171.60	24 Jan	170.79	26 Dec
Instant/hourly elevation:	171.66	0800/24 Jan	170.73	1900/19 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
171.60	24 Jan
171.44	5 Feb
171.52	3 Mar
171.42	2 Apr
171.15	10 May
171.22	28 Jun
171.30	20 Jul
171.22	17 Aug
171.26	23 Sep
171.29	26 Oct
171.25	30 Nov
171.46	21 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
171.03	19 Jan
170.99	28 Feb
170.87	10 Mar
170.97	4 Apr
171.02	3 May
170.92	2 Jun
171.00	31 Jul
171.02	1 Aug
171.05	27 Sep
170.99	31 Oct
170.84	10 Nov
170.79	26 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
171.55	2												171.55	2
171.50	1		2										171.50	5
171.45												1	171.45	6
171.40	2	1		1								1	171.40	11
171.35	2		1									2	171.35	16
171.30		2											171.30	18
171.25	1	1	2				2		1	2			171.25	27
171.20	1	3	1	2		2	2	1			2		171.20	41
171.15	15	4	8	7		3	8	3	4	2	1	2	171.15	98
171.10	6	12	9	5	8	12	11	18	10	2	2	3	171.10	196
171.05		2	2	11	19	10	7	6	13	15	2	6	171.05	289
171.00	1	1	2	2	4	2		3	2	8	8	4	171.00	326
170.95		2	3	2			1			2	1	3	170.95	340
170.90						1					6	2	170.90	349
170.85			1								7	3	170.85	360
170.80											1	3	170.80	364
170.75												1	170.75	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	171.17	171.15	171.12	171.18	171.10	171.08	171.10	171.02	171.14	171.07	170.89	171.03
2	171.15	171.15	171.52	171.42	171.05	170.92	171.11	171.08	171.11	171.26	170.91	171.18
3	171.17	171.21	171.52	171.20	171.02*	171.10	171.14	171.14	171.06	171.01	171.03	171.02
4	171.18	171.23*	171.36	170.97	171.05	171.12	171.15	171.13	171.05	171.07	171.01	170.96
5	171.15	171.44	171.15	171.07	171.06*	171.14	171.10	171.08	171.06	171.11	171.09	171.00
6	171.16	171.19	171.14	171.13	171.10	171.05	171.10	171.13	171.10	171.08	171.16	171.02
7	171.36	171.16	171.15	171.17	171.11	171.11	171.17	171.17	171.07	171.10	171.15	171.04
8	171.17	171.28	171.22	171.22	171.14	171.21	171.21	171.14	171.07	171.10	170.93	171.07
9	171.18	171.31*	171.04	171.17	171.15	171.08	171.15	171.11	171.11	171.20	170.94	171.11
10	171.14	171.35	170.87	171.18	171.15	171.10	171.16	171.12	171.09	171.02	170.84	171.09
11	171.29	171.17	171.00	171.19	171.10	171.06	171.16	171.08	171.11	170.99	170.89	170.86
12	171.56	171.12	171.13	171.09	171.07	171.15	171.13	171.11	171.07	171.04	171.05	170.86
13	171.18	171.21	171.16	171.22	171.07	171.12	171.17	171.11	171.08	171.05	171.03	170.84
14	171.15	171.15	171.12	171.11	171.10	171.13	171.16	171.13	171.08	171.06	170.94	170.82
15	171.19	171.12	171.00	171.11	171.12	171.08	171.11	171.12	171.08	171.07	170.87	171.06
16	171.15	171.08	171.00	171.01	171.08	171.07	171.08	171.14	171.09	171.05	170.90	171.43
17	171.17	171.03	171.13	171.08	171.09	171.01	171.10	171.22	171.13	171.09	170.90	171.37
18	171.16	171.15	171.16	171.08	171.09	171.06	171.14	171.18	171.12	171.09	171.22	171.37
19	171.03	171.18	171.13	171.11	171.04	171.10	171.16	171.11	171.17	171.05	171.13	171.13
20	171.42	171.13	171.19	171.08	171.11	171.11	171.30	171.10	171.13	171.06	171.03	171.14
21	171.54	171.15	171.16	171.13	171.10	171.11	171.21	171.11	171.11	171.09	170.97	171.46
22	171.24	171.15	171.16	171.00	171.09	171.15	171.15	171.14	171.11	171.10	170.95	171.17*
23	171.45	171.12	171.10	171.06	171.13	171.09	171.17	171.15	171.26	171.14	171.03	171.10*
24	171.60	171.11	171.05	171.04	171.08	171.11	171.17	171.11	171.16	171.06	171.06	171.08
25	171.39	171.12	171.07	171.10	171.06	171.18	171.12	171.14	171.13	171.16	170.90	170.97
26	171.15	171.08	171.28	171.07	171.06	171.19	171.27	171.07	171.16	171.29	170.88	170.79
27	171.18	170.99	171.20	171.09	171.09	171.15	171.10	171.03	171.05	171.08	170.92	170.81
28	171.19	170.99	171.17	171.17	171.08	171.22	171.09	171.04	171.09	171.05	171.02	170.93
29	171.16		171.11	171.07	171.09	171.14	171.11	171.09	171.09	171.03	171.03	171.07
30	171.16		171.20	171.08	171.09	171.17	171.15	171.12	171.16	171.06	171.25	170.91
31	171.18		171.27		171.14		171.00	171.19		170.99		170.86
MEAN	171.24	171.16	171.16	171.12	171.09	171.11	171.14	171.12	171.11	171.08	171.00	171.05
MAX.	171.66	171.52	171.61	171.63	171.37	171.43	171.46	171.35	171.38	171.44	171.46	171.57
	0800/24	1900/08	0700/02	1800/02	0700/10	0700/30	0700/20	0600/18	0100/24	0800/02	1000/18	2400/15
MIN.	170.73	170.88	170.80	170.75	170.81	170.82	170.84	170.84	170.89	170.80	170.77	170.75
	1900/19	2400/28	0500/10	2200/04	2100/17	2100/11	2100/31	2100/01	1900/22	2300/31	1800/26	2100/11

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

/ Indicates No Data.

ANNUAL MEAN: 171.12

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.71	Jan	174.19	Nov
Daily mean elevation:	175.05	23 Jan	173.88	27 Nov
Instant/hourly elevation:	176.35	1745/15 Dec	173.46	0900/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.05	23 Jan
174.73	8 Feb
174.86	2 Mar
174.82	2 Apr
174.65	9 May
174.71	8 Jun
174.69	20 Jul
174.57	22 Aug
174.57	23 Sep
174.56	2 Oct
174.53	18 Nov
174.77	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.38	19 Jan
174.27	17 Feb
174.28	9 Mar
174.20	4 Apr
174.43	19 May
174.46	17 Jun
174.42	31 Jul
174.29	28 Aug
174.33	17 Sep
174.12	31 Oct
173.88	27 Nov
173.93	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.00	1												175.00	1
174.95	1												174.95	2
174.90	2												174.90	4
174.85	1		1										174.85	6
174.80	1			1									174.80	8
174.75	2											1	174.75	11
174.70	5	1				1							174.70	18
174.65	6	5		3		3	1						174.65	36
174.60	8	4	1	7	4	5	10						174.60	75
174.55	1	1	2	11	16	11	11	2	1	1		1	174.55	133
174.50	2	4	7	5	9	6	7	4	1		1	1	174.50	180
174.45		7	9	1	1	4	1	12	1			3	174.45	219
174.40		2	7	1	1		1	7	6	4	2		174.40	250
174.35	1	2	2					2	15	3	2	2	174.35	279
174.30		1						3	6	5	2	1	174.30	297
174.25		1	2					1		7	3	2	174.25	313
174.20										9	2	6	174.20	330
174.15				1						1	3	5	174.15	340
174.10										1	7	6	174.10	354
174.05											3	2	174.05	359
174.00											1		174.00	360
173.95											3		173.95	363
173.90												1	173.90	364
173.85											1		173.85	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.62	174.61	174.53	174.55	174.63	174.58	174.53	174.44	174.53	174.41	174.12	174.15
2	174.63	174.65	174.86	174.82	174.59	174.57	174.52	174.56	174.42	174.56	174.14	174.37
3	174.74	174.67	174.59	174.53	174.51	174.59	174.62	174.55	174.35	174.26	174.24	174.15
4	174.65	174.67	174.54	174.20	174.51	174.63	174.61	174.55	174.33	174.41	174.30	174.10
5	174.65	174.66	174.47	174.51	174.59	174.60	174.55	174.40	174.39	174.37	174.40	174.22
6	174.68	174.66	174.52	174.57	174.63	174.53	174.58	174.46	174.38	174.35	174.43	174.17
7	174.82	174.61	174.59	174.62	174.60	174.64	174.61	174.50	174.37	174.42	174.31	174.08
8	174.78	174.73	174.53	174.62	174.60	174.71	174.62	174.45	174.36	174.36	174.27	174.12
9	174.68	174.62	174.28	174.64	174.65	174.59	174.62	174.49	174.43	174.44	174.15	174.34
10	174.67	174.67	174.29	174.63	174.61	174.57	174.62	174.49	174.33	174.22	174.00	174.25
11	174.94	174.54	174.40	174.61	174.60	174.53	174.61	174.35	174.36	174.22	174.10	174.15
12	174.94	174.58	174.55	174.60	174.57	174.64	174.60	174.39	174.36	174.26	174.32	174.51
13	174.72	174.54	174.52	174.61	174.52	174.57	174.61	174.45	174.42	174.22	174.27	174.38
14	174.73	174.41	174.45	174.56	174.58	174.60	174.64	174.46	174.40	174.26	174.14	174.16
15	174.73	174.48	174.37	174.59	174.57	174.55	174.57	174.46	174.37	174.24	174.07	174.46
16	174.62	174.33	174.44	174.56	174.57	174.56	174.54	174.48	174.37	174.21	174.10	174.77
17	174.54	174.27	174.50	174.58	174.59	174.46	174.57	174.53	174.33	174.39	174.17	174.24
18	174.67	174.46	174.44	174.62	174.48	174.50	174.60	174.49	174.34	174.30	174.53	174.20
19	174.38	174.51	174.46	174.60	174.43	174.51	174.59	174.50	174.39	174.22	174.44	174.28
20	174.77	174.50	174.49	174.60	174.52	174.47	174.69	174.44	174.37	174.25	174.18	174.49
21	174.87	174.49	174.48	174.60	174.55	174.50	174.62	174.46	174.42	174.35	174.14	174.57
22	174.64	174.49	174.47	174.45	174.57	174.57	174.57	174.57	174.40	174.32	174.14	174.24
23	175.05	174.52	174.43	174.60	174.60	174.55	174.57	174.47	174.57	174.34	174.18	174.30
24	174.98	174.50	174.42	174.50	174.55	174.56	174.58	174.45	174.41	174.35	174.21	174.15
25	174.63	174.48	174.44	174.51	174.51	174.55	174.59	174.46	174.40	174.25	173.97	174.23
26	174.56	174.45	174.54	174.55	174.53	174.65	174.60	174.33	174.49	174.17	173.98	174.18
27	174.63	174.39	174.46	174.60	174.54	174.66	174.54	174.35	174.36	174.27	173.88	174.24
28	174.66	174.39	174.48	174.70	174.56	174.67	174.52	174.29	174.35	174.25	174.03	173.93
29	174.53		174.44	174.69	174.56	174.66	174.50	174.43	174.40	174.26	174.15	174.12
30	174.75		174.50	174.70	174.58	174.64	174.54	174.45	174.45	174.28	174.39	174.17
31	174.68		174.62		174.57		174.42	174.54		174.12		174.50
MEAN	174.71	174.53	174.49	174.58	174.56	174.58	174.58	174.46	174.40	174.30	174.19	174.27
MAX.	175.68	175.25	175.27	175.16	174.85	175.17	174.95	174.93	174.80	174.85	175.31	176.35
	2300/11	1700/08	0400/02	1700/02	2300/30	1300/27	1100/07	0600/22	1800/23	1100/21	0800/18	1745/15
MIN.	173.68	174.14	174.14	174.05	174.20	174.28	174.30	174.16	174.25	174.01	173.72	173.46
	1600/19	0600/17	1100/09	2000/04	0100/19	0800/20	0800/02	2100/26	2100/26	0200/03	0200/27	0900/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.47

ANNUAL SUMMARY OF LEVELS, 1987

Station 3028: Sturgeon Point, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.71	Jan	174.19	Nov
Daily mean elevation:	175.02	23 Jan	173.91	27 Nov
Instant/hourly elevation:	175.88	1700/15 Dec	173.49	0900/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.02	23 Jan
174.74	8 Feb
174.81	2 Mar
174.78	2 Apr
174.64	9 May
174.68	8 Jun
174.67	20 Jul
174.54	4 Aug
174.54	23 Sep
174.53	2 Oct
174.46	18 Nov
174.68	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.42	19 Jan
174.30	17 Feb
174.32	10 Mar
174.28	4 Apr
174.46	19 May
174.47	17 Jun
174.42	31 Jul
174.31	28 Aug
174.33	10 Sep
174.13	31 Oct
173.91	27 Nov
173.97	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.00	1												175.00	1
174.95													174.95	1
174.90	2												174.90	3
174.85	1												174.85	4
174.80	2		1										174.80	7
174.75	2			1									174.75	10
174.70	5	1											174.70	16
174.65	7	6		3		2	1					1	174.65	36
174.60	7	3		12	4	7	5						174.60	74
174.55	2	3	3	7	15	9	16						174.55	129
174.50	1	3	7	5	11	7	7	6	2	1			174.50	179
174.45		7	10	1	1	5	1	10	1		1	2	174.45	218
174.40	1	1	7				1	10	6	1	1	3	174.40	249
174.35		2	1					2	15	5	2	1	174.35	277
174.30		1	2					3	6	5	2	2	174.30	298
174.25		1		1						5	2	2	174.25	309
174.20										12	3	6	174.20	330
174.15										1	5	8	174.15	344
174.10										1	7	4	174.10	356
174.05											2	1	174.05	359
174.00											2		174.00	361
173.95											2	1	173.95	364
173.90											1		173.90	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3028: Sturgeon Point, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.63	174.62	174.55	174.54	174.63	174.58	174.53	174.44	174.52	174.40	174.13	174.16
2	174.64	174.67	174.81	174.78	174.59	174.56	174.53	174.53	174.41	174.53	174.15	174.36
3	174.74	174.69	174.60	174.54	174.53	174.58	174.61	174.54	174.35	174.28	174.22	174.15
4	174.66	174.68	174.53	174.28	174.52	174.61	174.60	174.54	174.34	174.40	174.28	174.12
5	174.65	174.67	174.49	174.53	174.59	174.60	174.55	174.42	174.38	174.35	174.39	174.22
6	174.68	174.67	174.53	174.59	174.62	174.53	174.58	174.46	174.38	174.35	174.43	174.17
7	174.81	174.62	174.57	174.63	174.60	174.62	174.59	174.49	174.37	174.41	174.28	174.09
8	174.78	174.74	174.53	174.63	174.60	174.68	174.61	174.45	174.37	174.36	174.25	174.13
9	174.68	174.63	174.34	174.64	174.64	174.59	174.61	174.47	174.42	174.39	174.16	174.32
10	174.67	174.68	174.32	174.63	174.62	174.57	174.61	174.49	174.33	174.23	174.03	174.21
11	174.91	174.56	174.41	174.61	174.60	174.53	174.59	174.35	174.36	174.22	174.12	174.15
12	174.90	174.60	174.55	174.61	174.57	174.63	174.59	174.39	174.37	174.26	174.31	174.47
13	174.72	174.56	174.53	174.61	174.53	174.56	174.60	174.44	174.41	174.23	174.25	174.35
14	174.71	174.44	174.46	174.57	174.57	174.59	174.64	174.46	174.39	174.25	174.14	174.16
15	174.72	174.49	174.38	174.59	174.58	174.54	174.56	174.46	174.38	174.23	174.08	174.41
16	174.64	174.35	174.45	174.57	174.57	174.55	174.53	174.46	174.37	174.21	174.10	174.68
17	174.56	174.30	174.50	174.59	174.59	174.47	174.56	174.51	174.34	174.37	174.15	174.24
18	174.67	174.47	174.45	174.62	174.51	174.50	174.58	174.47	174.35	174.28	174.46	174.20
19	174.42	174.52	174.47	174.61	174.46	174.50	174.58	174.49	174.39	174.22	174.39	174.26
20	174.75	174.51	174.50	174.61	174.53	174.49	174.67	174.43	174.37	174.25	174.19	174.44
21	174.84	174.50	174.49	174.61	174.55	174.49	174.60	174.45	174.42	174.35	174.16	174.49
22	174.64	174.50	174.48	174.49	174.57	174.56	174.56	174.53	174.40	174.30	174.14	174.21
23	175.02	174.53	174.44	174.60	174.59	174.54	174.56	174.47	174.54	174.33	174.17	174.27
24	174.93	174.50	174.42	174.53	174.55	174.55	174.57	174.44	174.41	174.33	174.19	174.16
25	174.64	174.49	174.45	174.53	174.52	174.54	174.57	174.45	174.40	174.25	174.00	174.23
26	174.58	174.46	174.53	174.56	174.53	174.62	174.58	174.33	174.46	174.16	174.00	174.18
27	174.64	174.40	174.46	174.62	174.54	174.64	174.53	174.37	174.36	174.25	173.91	174.24
28	174.68	174.40	174.48	174.68	174.55	174.66	174.51	174.31	174.35	174.25	174.03	173.97
29	174.55		174.44	174.68	174.56	174.63	174.49	174.42	174.40	174.25	174.15	174.16
30	174.76		174.50	174.69	174.57	174.63	174.53	174.43	174.44	174.26	174.35	174.17
31	174.70		174.60		174.56		174.42	174.53		174.13		174.45
MEAN	174.71	174.54	174.49	174.59	174.57	174.57	174.57	174.45	174.39	174.29	174.19	174.25
MAX.	175.53	175.23	175.16	175.10	174.77	174.88	174.81	174.83	174.72	174.80	175.06	175.88
	0200/12	1600/08	0300/02	1600/02	2300/30	1300/27	1500/14	0600/22	1800/23	1900/24	0800/18	1700/15
MIN.	173.76	174.16	174.21	174.18	174.27	174.39	174.33	174.17	174.25	174.05	173.76	173.49
	1600/19	0700/17	0400/10	2000/04	0100/19	0800/20	2200/31	2400/26	2100/26	1500/31	0200/27	0900/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.47

ANNUAL SUMMARY OF LEVELS, 1987

Station 3032: Barcelona, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.69	Jan	174.40	Sep
Daily mean elevation:	174.93	23 Jan	174.33	26 Aug
Instant/hourly elevation:	175.34	0100/12 Jan	173.98	1600/19 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.93	23 Jan
174.73	8 Feb
174.72	2 Mar
174.71	2 Apr
174.61	9 May
174.64	8 Jun
174.63	20 Jul
174.53	4 Aug
174.49	1 Sep
	Oct
	Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.49	19 Jan
174.33	17 Feb
174.37	10 Mar
174.38	4 Apr
174.47	19 May
174.48	17 Jun
174.44	31 Jul
174.33	26 Aug
174.35	3 Sep
	Oct
	Nov
	Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.90	1												174.90	1
174.85													174.85	1
174.80	3												174.80	4
174.75	2												174.75	6
174.70	4	1	1	1									174.70	13
174.65	11	1		2									174.65	27
174.60	6	7		12	2	3	2						174.60	59
174.55	3	4	3	9	15	14	18						174.55	125
174.50		4	7	5	13	9	9	3					174.50	175
174.45	1	7	13		1	4	1	11	1				174.45	214
174.40		2	6				1	13	1				174.40	237
174.35		1	1	1				2	1				174.35	243
174.30		1						2	1				174.30	247
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3032: Barcelona, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.64	174.62	174.53	174.55	174.61	174.58	174.54	174.45	174.49	/	/	/
2	174.66	174.64	174.72	174.71	174.58	174.55	174.53	174.53	174.41	/	/	/
3	174.73	174.67	174.58	174.54	174.54	174.58	174.60	174.52	174.35	/	/	/
4	174.66	174.65	174.54	174.38	174.53	174.60	174.59	174.53	174.36*	/	/	/
5	174.66	174.64	174.49	174.55	174.59	174.59	174.55	174.43	/	/	/	/
6	174.67	174.64	174.51	174.59	174.60	174.54	174.58	174.46	/	/	/	/
7	174.77	174.60	174.56	174.62	174.60	174.60	174.57	174.50	/	/	/	/
8	174.75	174.73	174.52	174.62	174.59	174.64	174.60	174.46	/	/	/	/
9	174.67	174.64	174.41	174.62	174.61	174.58	174.60	174.47	/	/	/	/
10	174.66	174.65	174.37	174.62	174.60	174.56	174.60	174.48	/	/	/	/
11	174.85	174.56	174.43	174.60	174.58	174.53	174.59	174.38	/	/	/	/
12	174.84	174.59	174.55	174.62	174.57	174.60	174.59	174.41	/	/	/	/
13	174.69	174.57	174.53	174.61	174.53	174.56	174.59	174.45	/	/	/	/
14	174.68	174.47	174.47	174.57	174.55	174.57	174.63	174.46	/	/	/	/
15	174.69	174.50	174.41	174.60	174.58	174.54	174.57	174.45	/	/	/	/
16	174.64	174.39	174.46	174.59	174.57	174.54	174.54	174.45	/	/	/	/
17	174.58	174.33	174.50	174.60	174.58	174.48	174.56	174.49	/	/	/	/
18	174.66	174.48	174.46	174.62	174.53	174.50	174.57	174.46	/	/	/	/
19	174.49	174.51	174.47	174.61	174.47	174.51	174.57	174.47	/	/	/	/
20	174.72	174.52	174.49	174.62	174.53	174.50	174.63	174.42	/	/	/	/
21	174.78	174.51	174.48	174.61	174.55	174.50	174.57	174.44	/	/	/	/
22	174.64	174.50	174.48	174.51	174.57	174.57	174.55	174.48	/	/	/	/
23	174.93	174.52	174.45	174.60	174.58	174.55	174.55	174.45	/	/	/	/
24	174.83	174.50	174.43	174.55	174.55	174.55	174.56	174.43	/	/	/	/
25	174.63	174.49	174.48	174.56	174.51	174.54	174.57	174.43	/	/	/	/
26	174.59	174.46	174.52	174.57	174.53	174.60	174.57	174.33	/	/	/	/
27	174.63	174.42	174.47	174.63	174.55	174.63	174.52	174.38	/	/	/	/
28	174.65	174.42	174.47	174.66	174.55	174.62	174.52	174.35	/	/	/	/
29	174.56		174.45	174.65	174.55	174.60	174.50	174.43	/	/	/	/
30	174.72		174.49	174.66	174.57	174.60	174.53	174.43	/	/	/	/
31	174.68		174.58		174.56		174.44	174.49		/		/
MEAN	174.69	174.54	174.49	174.59	174.56	174.56	174.56	174.45	174.40	/	/	/
MAX.	175.34	175.11	174.99	174.91	174.72	174.75	174.79	174.77	174.57			
	0100/12	1600/08	0400/02	1400/29	0900/01	0600/08	1200/14	2200/02	2100/01			
MIN.	173.98	174.21	174.28	174.28	174.34	174.39	174.36	174.21	174.31			
	1600/19	0700/17	0300/10	0600/04	0100/19	1800/21	2300/31	2400/26	0500/03			

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

/ Indicates No Data.

ANNUAL MEAN: 174.54

ANNUAL SUMMARY OF LEVELS, 1987
Station 3038: Erie, Pennsylvania on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.70	Jan	174.19	Nov
Daily mean elevation:	174.92	23 Jan	174.01	27 Nov
Instant/hourly elevation:	175.24	2400/11 Jan	173.74	0700/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.92	23 Jan
174.73	8 Feb
174.71	2 Mar
174.69	2 Apr
174.63	1 May
174.64	8 Jun
174.65	14 Jul
174.55	4 Aug
174.50	23 Sep
174.43	2 Oct
174.38	6 Nov
174.50	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.54	19 Jan
174.40	17 Feb
174.45	10 Mar
174.49	4 Apr
174.52	19 May
174.53	17 Jun
174.49	31 Jul
174.37	26 Aug
174.36	28 Sep
174.17	31 Oct
174.01	27 Nov
174.10	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.90	1												174.90	1
174.85													174.85	1
174.80	3												174.80	4
174.75	4												174.75	8
174.70	2	1	1										174.70	12
174.65	15	3		4									174.65	34
174.60	4	7	1	20	8	7	11						174.60	92
174.55	1	2	5	5	21	17	16						174.55	159
174.50	1	10	11		2	6	3	7					174.50	199
174.45		4	12	1			1	17	2			1	174.45	237
174.40			1					6	16	1			174.40	261
174.35		1						1	12	4	2	1	174.35	282
174.30										6	1	4	174.30	293
174.25										11	3	3	174.25	310
174.20										7	7	10	174.20	334
174.15										2	6	8	174.15	350
174.10											7	3	174.10	360
174.05											3	1	174.05	364
174.00											1		174.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3038: Erie, Pennsylvania on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.67	174.63	174.56	174.56	174.63	174.59	174.58	174.49	174.50	174.39	174.18	174.18
2	174.70	174.64	174.71	174.69	174.61	174.58	174.58	174.54	174.44	174.43	174.19	174.32
3	174.76	174.67	174.60	174.57	174.59	174.59	174.63	174.55	174.39	174.33	174.23	174.15
4	174.69	174.65	174.56	174.49	174.58	174.62	174.61	174.55	174.39	174.37	174.24	174.18
5	174.68	174.65	174.51	174.60	174.62	174.61	174.59	174.50	174.41	174.32	174.36	174.25
6	174.68	174.64	174.54	174.63	174.62	174.57	174.60	174.52	174.40	174.32	174.38	174.20
7	174.78	174.61	174.57	174.64	174.62	174.60	174.62	174.53	174.40	174.38	174.25	174.13
8	174.76	174.73	174.55	174.65	174.61	174.64	174.62	174.50	174.41	174.37	174.21	174.15
9	174.68	174.66	174.50	174.64	174.62	174.60	174.62	174.52	174.43	174.32	174.20	174.25
10	174.68	174.66	174.45	174.64	174.62	174.58	174.63	174.53	174.38	174.26	174.12	174.19
11	174.85	174.58	174.49	174.63	174.60	174.55	174.61	174.45	174.39	174.26	174.18	174.16
12	174.81	174.62	174.57	174.65	174.60	174.60	174.61	174.46	174.41	174.29	174.27	174.37
13	174.70	174.60	174.55	174.64	174.57	174.58	174.61	174.48	174.43	174.26	174.21	174.29
14	174.68	174.53	174.51	174.61	174.58	174.59	174.65	174.48	174.41	174.26	174.16	174.17
15	174.70	174.54	174.46	174.63	174.60	174.57	174.59	174.48	174.39	174.25	174.13	174.32
16	174.66	174.46	174.50	174.63	174.60	174.57	174.57	174.48	174.40	174.24	174.13	174.50
17	174.61	174.40	174.53	174.63	174.60	174.53	174.59	174.50	174.39	174.32	174.12	174.27
18	174.67	174.52	174.49	174.65	174.57	174.54	174.59	174.48	174.41	174.27	174.33	174.21
19	174.54	174.55	174.49	174.65	174.52	174.54	174.59	174.49	174.43	174.24	174.29	174.23
20	174.74	174.55	174.52	174.65	174.57	174.55	174.63	174.45	174.41	174.27	174.21	174.30
21	174.76	174.53	174.51	174.65	174.59	174.55	174.59	174.46	174.43	174.33	174.21	174.35
22	174.66	174.53	174.51	174.56	174.59	174.59	174.57	174.48	174.43	174.28	174.14	174.20
23	174.92	174.54	174.48	174.63	174.60	174.59	174.57	174.48	174.50	174.28	174.12	174.25
24	174.81	174.52	174.46	174.61	174.58	174.58	174.58	174.45	174.43	174.29	174.15	174.18
25	174.65	174.52	174.49	174.60	174.55	174.57	174.58	174.44	174.41	174.25	174.07	174.24
26	174.63	174.49	174.52	174.61	174.57	174.62	174.60	174.37	174.42	174.19	174.08	174.22
27	174.65	174.46	174.49	174.64	174.58	174.62	174.55	174.43	174.37	174.25	174.01	174.24
28	174.67	174.47	174.50	174.67	174.58	174.63	174.56	174.42	174.36	174.27	174.09	174.10
29	174.59		174.49	174.66	174.58	174.60	174.54	174.47	174.39	174.25	174.16	174.25
30	174.72		174.53	174.67	174.58	174.61	174.55	174.46	174.43	174.25	174.27	174.22
31	174.69		174.61		174.57		174.49	174.50		174.17		174.32
MEAN	174.70	174.57	174.52	174.63	174.59	174.59	174.59	174.48	174.41	174.29	174.19	174.24
MAX.	175.24	175.08	174.89	174.88	174.74	174.78	174.78	174.72	174.58	174.61	174.63	175.06
	2400/11	1700/08	0400/02	1500/29	0200/12	1100/27	1400/14	2200/02	1400/23	1900/02	0700/18	1900/15
MIN.	174.15	174.29	174.38	174.41	174.42	174.45	174.41	174.25	174.29	174.12	173.90	173.74
	1500/19	0700/17	0400/16	0400/04	2400/18	2400/01	2300/31	2200/26	2400/30	1600/31	0400/25	0700/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.48

ANNUAL SUMMARY OF LEVELS, 1987
Station 3053: Fairport Harbor, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.69	Jan	174.19	Nov
Daily mean elevation:	174.76	2 Jan	174.10	23 Nov
Instant/hourly elevation:	175.00	1800/19 Jan	173.85	1800/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.76	2 Jan
174.73	8 Feb
174.65	9 Mar
174.74	4 Apr
174.65	4 May
174.64	27 Jun
174.66	14 Jul
174.58	5 Aug
174.47	18 Sep
174.40	3 Oct
174.27	5 Nov
174.33	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.64	29 Jan
174.55	28 Feb
174.51	26 Mar
174.56	1 Apr
174.58	31 May
174.57	19 Jun
174.55	30 Jul
174.43	26 Aug
174.38	29 Sep
174.21	23 Oct
174.10	23 Nov
174.16	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.75	1												174.75	1
174.70	8	1		1									174.70	11
174.65	17	1		22			1						174.65	52
174.60	5	15	2	4	26	13	15						174.60	132
174.55		8	16	3	5	17	14	4					174.55	199
174.50		3	13				1	12					174.50	228
174.45								11	4				174.45	243
174.40								4	21				174.40	268
174.35									5	2			174.35	275
174.30										6		1	174.30	282
174.25										10	1	2	174.25	295
174.20										13	10	10	174.20	328
174.15											14	18	174.15	360
174.10											4		174.10	364
174.05											1		174.05	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3053: Fairport Harbor, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.72	174.63	174.56	174.56	174.64	174.60	174.64	174.54	174.46	174.37	174.24	174.21
2	174.76	174.62	174.54	174.57	174.64	174.61	174.64	174.55	174.47	174.32	174.24	174.19
3	174.74	174.63	174.59	174.60	174.65	174.62	174.62	174.55	174.46	174.40	174.22	174.17
4	174.73	174.63	174.57	174.74	174.65	174.62	174.64	174.56	174.45	174.33	174.21	174.27
5	174.71	174.61	174.57	174.65	174.64	174.62	174.64	174.58	174.43	174.29	174.27	174.24
6	174.69	174.61	174.57	174.66	174.63	174.62	174.63	174.56	174.43	174.29	174.23	174.18
7	174.71	174.63	174.56	174.66	174.64	174.60	174.63	174.54	174.42	174.34	174.19	174.17
8	174.70	174.73	174.57	174.66	174.62	174.59	174.63	174.54	174.44	174.33	174.18	174.18
9	174.68	174.68	174.65	174.66	174.61	174.62	174.63	174.55	174.43	174.25	174.23	174.16
10	174.70	174.62	174.60	174.66	174.62	174.59	174.63	174.57	174.43	174.30	174.24	174.17
11	174.72	174.62	174.59	174.66	174.61	174.59	174.62	174.55	174.43	174.32	174.23	174.18
12	174.67	174.65	174.58	174.69	174.63	174.59	174.61	174.53	174.43	174.30	174.18	174.17
13	174.69	174.63	174.58	174.68	174.63	174.60	174.63	174.52	174.44	174.29	174.16	174.17
14	174.67	174.64	174.58	174.69	174.61	174.60	174.66	174.51	174.43	174.27	174.18	174.18
15	174.69	174.62	174.58	174.69	174.64	174.60	174.62	174.50	174.42	174.27	174.19	174.16
16	174.70	174.63	174.57	174.69	174.63	174.59	174.62	174.50	174.42	174.27	174.17	174.20
17	174.69	174.64	174.57	174.69	174.61	174.59	174.60	174.49	174.44	174.25	174.16	174.25
18	174.70	174.60	174.55	174.68	174.64	174.57	174.59	174.48	174.47	174.25	174.15	174.21
19	174.75	174.58	174.55	174.68	174.63	174.57	174.60	174.49	174.45	174.25	174.14	174.18
20	174.70	174.58	174.54	174.67	174.63	174.58	174.58	174.46	174.45	174.27	174.21	174.17
21	174.65	174.57	174.54	174.67	174.63	174.60	174.58	174.44	174.44	174.31	174.23	174.17
22	174.69	174.57	174.53	174.67	174.64	174.60	174.59	174.47	174.45	174.25	174.12	174.19
23	174.71	174.56	174.53	174.65	174.63	174.62	174.59	174.47	174.43	174.21	174.10	174.21
24	174.66	174.55	174.53	174.69	174.62	174.61	174.57	174.45	174.44	174.25	174.11	174.23
25	174.67	174.55	174.53	174.68	174.61	174.61	174.57	174.43	174.42	174.25	174.17	174.24
26	174.68	174.56	174.51	174.67	174.60	174.61	174.59	174.43	174.38	174.24	174.19	174.25
27	174.65	174.56	174.53	174.68	174.61	174.64	174.58	174.51	174.38	174.24	174.20	174.23
28	174.64	174.55	174.53	174.66	174.60	174.61	174.57	174.53	174.38	174.26	174.17	174.28
29	174.64		174.53	174.64	174.60	174.58	174.56	174.49	174.38	174.25	174.18	174.33
30	174.65		174.58	174.65	174.59	174.61	174.55	174.46	174.40	174.22	174.16	174.25
31	174.66		174.64		174.58		174.56	174.47		174.24		174.19
MEAN	174.69	174.61	174.56	174.66	174.62	174.60	174.61	174.51	174.43	174.28	174.19	174.21
MAX.	175.00	174.98	174.81	174.95	174.76	174.83	174.74	174.83	174.54	174.48	174.41	174.49
	1800/19	2000/08	0900/31	1600/27	0200/15	0900/27	1900/07	1800/02	1000/18	0300/01	0500/05	1300/15
MIN.	174.56	174.53	174.44	174.48	174.43	174.48	174.46	174.34	174.32	174.13	174.00	173.85
	0500/12	0200/24	2300/25	0800/23	0200/30	2300/02	1000/25	0300/22	2200/30	2400/22	0700/18	1800/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.50

ANNUAL SUMMARY OF LEVELS, 1987
Station 3063: Cleveland, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	174.66	Jan	174.17	Dec
Daily mean elevation:	174.82	4 Apr	174.03	15 Dec
Instant/hourly elevation:	175.18	2150/8 Feb	173.54	2000/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.80	19 Jan
174.74	8 Feb
174.69	9 Mar
174.82	4 Apr
174.66	3 May
174.61	27 Jun
174.65	14 Jul
174.59	5 Aug
174.46	18 Sep
174.41	3 Oct
174.25	10 Nov
174.34	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.59	24 Jan
174.54	24 Feb
174.49	26 Mar
174.51	2 Apr
174.58	31 May
174.55	12 Jun
174.53	30 Jul
174.40	21 Aug
174.34	29 Sep
174.17	23 Oct
174.05	23 Nov
174.03	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.80				1									174.80	1
174.75	1												174.75	2
174.70	5	1											174.70	8
174.65	15	4	1	16	1								174.65	45
174.60	6	5	4	10	19	6	11						174.60	106
174.55	4	14	10	1	11	23	19	5					174.55	193
174.50		4	14	2		1	1	10					174.50	225
174.45			2					11	3				174.45	241
174.40								4	17	1			174.40	263
174.35								1	7				174.35	271
174.30									3	3		2	174.30	279
174.25										6		1	174.25	286
174.20										17	10	6	174.20	319
174.15										4	8	10	174.15	341
174.10											6	7	174.10	354
174.05											4	4	174.05	362
174.00											2	1	174.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3063: Cleveland, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.71	174.60	174.54	174.53	174.63	174.57	174.62	174.53	174.44	174.33	174.25	174.19
2	174.75	174.59	174.49	174.51	174.63	174.58	174.63	174.54	174.46	174.25	174.25	174.12
3	174.71	174.60	174.57	174.60	174.66	174.61	174.59	174.59	174.46	174.41	174.21	174.14
4	174.72	174.60	174.56	174.82	174.65	174.60	174.62	174.57	174.45	174.29	174.18	174.28
5	174.71	174.59	174.57	174.65	174.62	174.60	174.63	174.59	174.42	174.24	174.25	174.20
6	174.66	174.57	174.56	174.65	174.61	174.61	174.60	174.56	174.42	174.26	174.19	174.17
7	174.68	174.60	174.54	174.64	174.62	174.57	174.62	174.53	174.43	174.30	174.15	174.17
8	174.66	174.74	174.56	174.66	174.61	174.56	174.61	174.54	174.42	174.31	174.15	174.16
9	174.66	174.67	174.69	174.65	174.59	174.61	174.61	174.53	174.42	174.19	174.24	174.10
10	174.68	174.59	174.64	174.64	174.60	174.57	174.60	174.55	174.40	174.30	174.25	174.15
11	174.66	174.62	174.61	174.64	174.60	174.57	174.60	174.57	174.39	174.31	174.22	174.16
12	174.63	174.64	174.57	174.67	174.62	174.55	174.60	174.54	174.42	174.28	174.11	174.07
13	174.66	174.62	174.56	174.67	174.63	174.58	174.61	174.51	174.42	174.28	174.11	174.11
14	174.64	174.66	174.59	174.69	174.60	174.57	174.65	174.50	174.42	174.24	174.16	174.16
15	174.66	174.64	174.61	174.68	174.62	174.59	174.61	174.49	174.40	174.25	174.19	174.03
16	174.69	174.67	174.58	174.68	174.61	174.57	174.62	174.48	174.41	174.25	174.15	174.12
17	174.70	174.70	174.55	174.68	174.60	174.59	174.60	174.47	174.43	174.20	174.12	174.23
18	174.68	174.61	174.55	174.67	174.62	174.57	174.58	174.47	174.46	174.22	174.08	174.17
19	174.80	174.57	174.55	174.67	174.65	174.57	174.58	174.48	174.44	174.23	174.05	174.14
20	174.66	174.57	174.53	174.66	174.63	174.57	174.57	174.46	174.43	174.24	174.21	174.10
21	174.59	174.56	174.53	174.66	174.62	174.59	174.59	174.40	174.42	174.25	174.23	174.10
22	174.67	174.55	174.51	174.69	174.62	174.60	174.58	174.48	174.43	174.21	174.07	174.17
23	174.61	174.54	174.53	174.66	174.61	174.61	174.57	174.49	174.39	174.17	174.05	174.17
24	174.59	174.54	174.53	174.69	174.61	174.60	174.57	174.46	174.41	174.21	174.08	174.21
25	174.66	174.55	174.51	174.67	174.60	174.60	174.57	174.42	174.40	174.22	174.18	174.22
26	174.68	174.56	174.49	174.67	174.61	174.61	174.59	174.43	174.34	174.22	174.20	174.25
27	174.61	174.57	174.52	174.65	174.59	174.61	174.58	174.52	174.36	174.21	174.24	174.21
28	174.60	174.57	174.52	174.65	174.59	174.57	174.56	174.55	174.35	174.23	174.19	174.31
29	174.64		174.53	174.62	174.58	174.56	174.56	174.47	174.34	174.22	174.16	174.34
30	174.60		174.57	174.62	174.59	174.59	174.53	174.44	174.40	174.19	174.07	174.22
31	174.64		174.61		174.58		174.56	174.44		174.24		174.11
MEAN	174.66	174.60	174.56	174.65	174.61	174.58	174.59	174.50	174.41	174.25	174.17	174.17
MAX.	175.16	175.18	174.80	174.96	174.77	174.77	174.75	174.82	174.62	174.55	174.44	174.47
	1752/19	2150/08	1100/09	1600/27	1100/22	1800/27	0900/14	1800/02	2300/30	0100/03	0200/05	1200/15
MIN.	174.42	174.48	174.36	174.39	174.43	174.45	174.43	174.17	174.28	173.98	173.83	173.54
	2200/23	0800/03	0100/26	1800/02	0400/12	2300/29	1900/03	1500/21	1500/26	0300/23	1000/18	2000/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.48

ANNUAL SUMMARY OF LEVELS, 1987
Station 3079: Marblehead, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.67	Apr	174.13	Dec
Daily mean elevation:	174.92	19 Jan	173.77	16 Dec
Instant/hourly elevation:	175.45	1500/19 Jan	172.62	2100/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.92	19 Jan
174.75	17 Feb
174.81	9 Mar
174.91	4 Apr
174.73	19 May
174.64	17 Jun
174.67	2 Jul
174.64	11 Aug
174.50	3 Sep
174.39	3 Oct
174.37	27 Nov
174.43	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.44	23 Jan
174.53	23 Feb
174.36	2 Mar
174.35	2 Apr
174.57	30 May
174.51	29 Jun
174.52	30 Jul
174.37	21 Aug
174.31	29 Sep
174.13	21 Oct
174.00	30 Nov
173.77	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.90	1			1									174.90	2
174.85													174.85	2
174.80			1										174.80	3
174.75			1	1									174.75	5
174.70	6	3	1	5	3								174.70	23
174.65	6	2	2	14	8		3						174.65	58
174.60	7	6	3	7	13	9	7	3					174.60	113
174.55	4	12	10		7	16	15	7					174.55	184
174.50	3	5	11	1		5	6	5					174.50	220
174.45	1		1					7	5				174.45	234
174.40	1							6	15			1	174.40	257
174.35			1					3	6	1	1		174.35	269
174.30				1					4	2	1	1	174.30	278
174.25										7	4		174.25	289
174.20										11	5	7	174.20	312
174.15										7	4	8	174.15	331
174.10										3	7	5	174.10	346
174.05											4		174.05	350
174.00											3	5	174.00	358
173.95											1	1	173.95	360
173.90													173.90	360
173.85												1	173.85	361
173.80													173.80	361
173.75												2	173.75	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3079: Marblehead, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.74	174.62*	174.53	174.51	174.63	174.57	174.65	174.57	174.40	174.28	174.28	174.17
2	174.74	174.60*	174.36	174.35	174.66	174.59	174.67	174.50	174.47	174.16	174.27	174.01
3	174.68	174.56	174.54	174.61	174.72	174.61	174.58	174.58	174.50	174.39	174.21	174.17
4	174.73	174.59	174.56	174.91	174.71	174.60	174.63	174.57	174.49	174.25	174.16	174.23
5	174.72	174.60*	174.61*	174.70	174.64	174.60	174.66	174.62	174.45	174.21	174.10	174.13
6	174.68	174.54*	174.57	174.65	174.63	174.64	174.61	174.57	174.43	174.21	174.08	174.17
7	174.62	174.60	174.53	174.64	174.63	174.54	174.61	174.53	174.43	174.23	174.15	174.21
8	174.60	174.53	174.57	174.66	174.64	174.52	174.60	174.57	174.44	174.27	174.13	174.19
9	174.68	174.60	174.81	174.66	174.60	174.61	174.61	174.52	174.41	174.16	174.23	174.03
10	174.67	174.55	174.77	174.67	174.60	174.58	174.59	174.57	174.48	174.32	174.32	174.15
11	174.50	174.66	174.66	174.67	174.61	174.58	174.60	174.64	174.43	174.32	174.21	174.14
12	174.52	174.62	174.57	174.67	174.67	174.52	174.60	174.59	174.43	174.27	174.03	173.90
13	174.65	174.64	174.58	174.69	174.68	174.58	174.60	174.54	174.42	174.29	174.08	174.02
14	174.62	174.74	174.64	174.74	174.63	174.56	174.65	174.52	174.44	174.24	174.17	174.17
15	174.65	174.67	174.73	174.71	174.66	174.59	174.66	174.49	174.44	174.26	174.22	173.78
16	174.71	174.75	174.66	174.73	174.62	174.59	174.65	174.47	174.43	174.28	174.19	173.77
17	174.75	174.75	174.58	174.70	174.59	174.64	174.60	174.43	174.44	174.13	174.14	174.17
18	174.68	174.62	174.62	174.66	174.66	174.59	174.58	174.47	174.47	174.21	174.14	174.16
19	174.92	174.58	174.59	174.68	174.73	174.58	174.58	174.45	174.44	174.24	174.04	174.11
20	174.58	174.58	174.53	174.67	174.67	174.61	174.52	174.46	174.44	174.23	174.14	174.02
21	174.52	174.57	174.53*	174.68	174.64	174.62	174.57	174.37	174.40	174.13	174.12	174.00
22	174.65	174.57	174.52*	174.78	174.62	174.58	174.58	174.42	174.43	174.16	174.07	174.16
23	174.44*	174.53	174.56	174.66	174.62	174.63	174.57	174.45	174.33	174.16	174.04	174.15
24	/	174.55	174.57	174.74	174.66	174.62	174.55	174.44	174.40	174.15	174.12	174.23
25	/	174.56	174.53	174.73	174.66	174.61	174.54	174.40	174.40	174.23	174.23	174.22
26	174.62*	174.57	174.47	174.69	174.62	174.56	174.54	174.48	174.33	174.25	174.28	174.25
27	174.61	174.61	174.53	174.65	174.61	174.56	174.59	174.54	174.37	174.19	174.37	174.21
28	174.57	174.62	174.52	174.62	174.60	174.51	174.55	174.61	174.36	174.19	174.27	174.43
29	174.69		174.55	174.62	174.60	174.51	174.56	174.48	174.31	174.21	174.16	174.33
30	174.51		174.58	174.61	174.57	174.56	174.52	174.44	174.32	174.17	174.00	174.23
31	174.59		174.54		174.59		174.60	174.38		174.29		174.02
MEAN	174.64	174.61	174.58	174.67	174.64	174.58	174.59	174.51	174.42	174.23	174.16	174.13
MAX.	175.45	174.95	174.90	175.03	174.89	174.75	174.88	174.74	174.56	174.61	174.48	174.67
	1500/19	2400/08	1000/09	1900/04	0100/19	1100/04	1900/19	2000/11	1300/18	0200/03	0200/27	0900/15
MIN.	173.99	174.25	174.12	174.14	174.44	174.38	174.44	174.19	174.07	173.98	173.97	172.62
	2400/11	1600/08	0400/02	1700/02	1900/30	1300/28	0900/20	0700/22	1900/30	0500/02	1600/18	2100/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.48

ANNUAL SUMMARY OF LEVELS, 1987
Station 3085: Toledo, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.69	Apr	174.10	Dec
Daily mean elevation:	175.03	19 Jan	173.46	16 Dec
Instant/hourly elevation:	175.64	1200/19 Jan	172.01	2054/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.03	19 Jan
174.85	14 Feb
174.94	9 Mar
174.95	22 Apr
174.85	19 May
174.70	17 Jun
174.71	5 Jul
174.73	11 Aug
174.56	3 Sep
174.36	3 Oct
174.51	27 Nov
174.60	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.24	23 Jan
174.28	8 Feb
174.23	2 Mar
174.14	2 Apr
174.54	30 May
174.46	28 Jun
174.48	20 Jul
174.31	31 Aug
174.21	30 Sep
173.92	21 Oct
173.74	18 Nov
173.46	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.00	1												175.00	1
174.90			2	1									174.90	4
174.80	1	2	1	5	1								174.80	14
174.70	7	4	4	6	5		2	1					174.70	43
174.60	11	4	6	13	16	10	5	5					174.60	113
174.50	4	17	13	4	9	13	23	9	3		1	1	174.50	210
174.40	5		4			7	1	10	16				174.40	253
174.30	1							6	8	5	5		174.30	278
174.20	1	1	1						3	10	4	9	174.20	307
174.10				1						12	7	11	174.10	338
174.00										2	7	1	174.00	348
173.90										2	3	5	173.90	358
173.80											2	1	173.80	361
173.70											1	1	173.70	363
173.60												1	173.60	364
173.50													173.50	364
173.40												1	173.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3085: Toledo, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.76	174.61	174.51	174.51	174.63	174.55	174.70	174.63	174.38	174.22	174.31	174.17
2	174.75	174.58	174.23	174.14	174.68	174.58	174.71	174.46	174.48	174.00	174.30	173.91
3	174.67	174.54	174.50	174.61	174.80	174.56	174.55	174.59	174.56	174.36	174.20	174.21
4	174.75	174.59	174.60	174.84	174.80	174.58	174.63	174.59	174.52	174.19	174.14	174.17
5	174.75	174.59	174.67	174.73	174.65	174.58	174.71	174.66	174.47	174.16	173.92	174.07
6	174.70	174.55	174.59	174.65	174.61	174.66	174.59	174.57	174.45	174.16	173.96	174.18
7	174.57	174.60	174.54	174.65	174.64	174.50	174.59	174.52	174.45	174.14	174.07	174.28
8	174.54	174.28	174.59	174.67	174.63	174.46	174.57	174.62	174.43	174.22	174.12	174.22
9	174.71	174.57	174.94	174.68	174.56	174.63	174.60	174.49	174.40	174.12	174.23	173.94
10	174.67	174.55	174.91	174.68	174.57	174.59	174.55	174.57	174.52	174.33	174.36	174.15
11	174.36	174.71	174.73	174.68	174.57	174.58	174.58	174.73	174.44	174.32	174.20	174.15
12	174.42	174.60	174.56	174.68	174.70	174.50	174.57	174.65	174.44	174.25	173.98	173.74
13	174.65	174.67	174.61	174.74	174.73	174.58	174.56	174.55	174.42	174.31	174.04	173.94
14	174.61	174.85	174.73	174.81	174.61	174.54	174.60	174.52	174.46	174.25	174.19	174.20
15	174.63	174.76	174.89	174.74	174.67	174.61	174.69	174.49	174.46	174.27	174.26	173.65
16	174.74	174.78	174.76	174.82	174.64	174.60	174.67	174.45	174.44	174.28	174.24	173.46
17	174.83	174.81	174.64	174.74	174.60	174.70	174.60	174.36	174.44	174.04	174.16	174.14
18	174.69	174.63	174.73	174.68	174.74	174.61	174.56	174.48	174.45	174.18	173.74	174.16
19	175.03	174.60	174.64	174.70	174.85	174.59	174.54	174.39	174.42	174.26	173.81	174.11
20	174.49	174.59	174.55	174.70	174.69	174.65	174.48	174.49	174.42	174.21	174.03	173.95
21	174.45	174.59	174.57	174.74	174.66	174.64	174.54	174.36	174.37	173.92	174.02	173.92
22	174.64	174.59	174.55	174.95	174.61	174.56	174.57	174.37	174.42	174.13	174.09	174.17
23	174.24	174.54	174.62	174.66	174.60	174.64	174.55	174.41	174.26	174.11	174.03	174.14
24	174.42	174.57	174.64	174.87	174.70	174.63	174.52	174.45	174.39	174.10	174.06	174.27
25	174.68	174.58	174.49	174.81	174.73	174.62	174.52	174.39	174.39	174.21	174.31	174.22
26	174.68	174.60	174.44	174.73	174.64	174.48	174.52	174.55	174.31	174.27	174.38	174.25
27	174.64	174.66	174.57	174.64	174.63	174.46	174.60	174.57	174.37	174.14	174.51	174.22
28	174.59	174.72	174.55	174.57	174.60	174.46	174.53	174.67	174.37	174.14	174.37	174.60
29	174.74		174.59	174.57	174.60	174.47	174.56	174.48	174.27	174.20	174.15	174.28
30	174.48		174.57	174.58	174.54	174.53	174.51	174.44	174.21	174.14	173.87	174.26
31	174.59		174.46		174.57		174.65	174.31		174.34		173.90
MEAN	174.63	174.62	174.61	174.69	174.65	174.57	174.58	174.51	174.41	174.19	174.14	174.10
MAX.	175.64	175.17	175.18	175.19	175.13	174.88	174.87	174.92	174.68	174.69	174.71	175.28
	1200/19	1500/14	0200/10	1200/22	2300/18	1400/20	0600/02	2200/26	0700/03	0400/03	0500/25	0710/15
MIN.	173.58	173.92	173.76	173.74	174.31	174.20	174.35	174.09	174.02	173.61	173.30	172.01
	0200/12	1300/08	0600/02	1600/02	2200/30	1200/28	0800/20	0900/22	2200/30	1200/21	1200/18	2054/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.48

ANNUAL SUMMARY OF LEVELS, 1987
Station 3087: Monroe, Michigan on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.66	Apr	174.11	Dec
Daily mean elevation:	174.92	19 Jan	173.55	16 Dec
Instant/hourly elevation:	175.48	1500/19 Jan	172.33	2100/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.92	19 Jan
	Feb
174.80	15 Mar
174.87	22 Apr
174.81	19 May
174.69	17 Jun
174.71	5 Jul
174.70	11 Aug
174.54	3 Sep
174.32	3 Oct
174.44	27 Nov
174.51	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.35	12 Jan
	Feb
174.40	25 Mar
174.21	2 Apr
174.57	30 May
174.48	27 Jun
174.51	20 Jul
174.32	31 Aug
174.19	30 Sep
173.98	21 Oct
173.81	18 Nov
173.55	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.90	1												174.90	1
174.80	1			1	1								174.80	4
174.70	7		1	8	5		2						174.70	27
174.60	6		4	10	19	9	10	6					174.60	91
174.50	3		12	5	6	18	19	12	3			1	174.50	170
174.40	1		2			3		9	17		1		174.40	203
174.30	2		1					4	7	3	2		174.30	222
174.20				1					2	14	7	8	174.20	254
174.10									1	8	8	12	174.10	283
174.00										4	6	3	174.00	296
173.90										1	4	4	173.90	305
173.80											2	1	173.80	308
173.70												1	173.70	309
173.60													173.60	309
173.50												1	173.50	310

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 3087: Monroe, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.75	/	/	174.57	174.63	174.57	174.69	174.63	174.40	174.25	174.28	174.16
2	174.73	/	/	174.21	174.67	174.60	174.71	174.52	174.48	174.04	174.27	173.94
3	174.66	/	/	174.58	174.74	174.58	174.58	174.58	174.54	174.32	174.21	174.20
4	174.74	/	/	174.64	174.74	174.57	174.63	174.58	174.52	174.21	174.15	174.13
5	174.74	/	/	174.64	174.64	174.58	174.71	174.64	174.48	174.22	173.92	174.06
6	174.71	/	/	174.63	174.62	174.66	174.62	174.59	174.46	174.18	173.98	174.18
7	174.56	/	/	174.63*	174.63	174.53	174.61	174.54	174.47	174.14	174.09	174.29
8	174.55	/	/	/	174.63	174.49	174.60	174.62	174.42	174.22	174.14	174.21
9	174.72	/	/	/	174.59	174.60	174.62	174.52	174.41	174.17	174.18	174.02
10	174.69	/	/	/	174.58	174.59	174.59	174.56	174.52	174.30	174.29	174.16
11	174.39	/	/	/	174.60	174.60	174.61	174.70	174.45	174.31	174.19	174.18
12	174.35*	/	174.55*	/	174.67	174.52	174.60	174.64	174.44	174.25	174.01	173.80
13	/	/	174.60	174.79*	174.71	174.59	174.58	174.57	174.41	174.31	174.07	173.98
14	174.66*	/	174.69	174.78	174.62	174.56	174.59	174.55	174.46	174.25	174.18	174.19
15	174.63	/	174.80	174.73	174.64	174.61	174.69	174.52	174.47	174.27	174.25	173.81
16	174.71	/	174.69	174.78	174.64	174.60	174.68	174.49	174.45	174.29	174.24	173.55
17	174.81	/	174.60	174.72	174.61	174.69	174.62	174.39	174.46	174.08	174.20	174.13
18	174.68	/	174.67	174.67	174.73	174.62	174.58	174.49	174.46	174.21	173.81	174.18
19	174.92	/	174.60	174.69	174.81	174.60	174.58	174.39	174.43	174.25	173.87	174.13
20	174.54	/	174.54	174.69	174.68	174.67	174.51	174.50	174.44	174.20	174.02	174.01
21	174.50	/	174.55	174.70	174.66	174.68	174.57	174.41	174.39	173.98	174.00	173.96
22	174.70*	/	174.54	174.87	174.63	174.58	174.58	174.37	174.42	174.18	174.12	174.19
23	/	/	174.60	174.67	174.60	174.64	174.57	174.41	174.28	174.11	174.07	174.15
24	/	/	174.61*	174.74	174.67	174.64	174.56	174.45	174.39	174.10	174.06	174.28
25	/	/	174.40*	174.77	174.71	174.64	174.54	174.41	174.39	174.20	174.27	174.21
26	/	/	174.46	174.71	174.64	174.50	174.53	174.56	174.33	174.28	174.31	174.24
27	/	/	174.56	174.64	174.63	174.48	174.60	174.55	174.38	174.10*	174.44	174.22
28	/	/	174.53	174.56	174.61	174.52	174.56	174.62	174.38	/	174.34	174.51
29	/		174.57	174.58	174.61	174.52	174.58	174.48	174.29	174.29*	174.17	174.22
30	/		174.52	174.57	174.57	174.55	174.54	174.47	174.19	174.14	173.92	174.28
31	/		174.43		174.60		174.65	174.32		174.29		173.96
MEAN	174.65	/	174.58	174.66	174.65	174.59	174.60	174.52	174.42	174.20	174.14	174.11
MAX.	175.48		174.94	175.06	175.06	174.85	174.84	174.89	174.65	174.56	174.61	175.13
	1500/19		1200/15	1100/22	2300/18	1600/02	2400/14	2200/26	2000/10	0400/03	0300/27	0700/15
MIN.	173.72		174.23	173.87	174.28	174.32	174.37	174.13	173.98	173.70	173.45	172.33
	0200/12		1400/31	1500/02	2100/30	1100/08	0800/26	1200/22	2100/30	1100/21	1300/18	2100/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.47

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.65	Apr	174.11	Dec
Daily mean elevation:	174.89	19 Jan	173.57	16 Dec
Instant/hourly elevation:	175.39	1300/19 Jan	172.50	2200/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.89	19 Jan
174.77	17 Feb
174.78	10 Mar
174.83	22 Apr
174.78	19 May
174.66	17 Jun
174.67	5 Jul
174.67	11 Aug
174.51	3 Sep
174.31	3 Oct
174.41	27 Nov
174.47	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.28	23 Jan
174.22	8 Feb
174.27	2 Mar
174.24	2 Apr
174.57	30 May
174.47	27 Jun
174.49	30 Jul
174.32	31 Aug
174.20	30 Sep
174.00	21 Oct
173.84	18 Nov
173.57	16 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.85	1												174.85	1
174.80				1									174.80	2
174.75	1	2	2	2	1								174.75	10
174.70	7	1		3	3								174.70	24
174.65	6	3	4	12	5	1	4	1					174.65	60
174.60	5	4	2	5	14	6	3						174.60	99
174.55	4	12	9	6	8	14	14	7					174.55	173
174.50	2	5	10			5	7	8	1				174.50	211
174.45	2		2			4	3	7	4			1	174.45	234
174.40	2		1					1	12		1		174.40	251
174.35								5	9				174.35	265
174.30								2	1	1	1		174.30	270
174.25	1		1						2	8	4	3	174.25	289
174.20		1		1						7	5	4	174.20	307
174.15									1	7	5	8	174.15	328
174.10										4	2	5	174.10	339
174.05										2	3	1	174.05	345
174.00										1	2	2	174.00	350
173.95										1	3	3	173.95	357
173.90											3	1	173.90	361
173.85												1	173.85	362
173.80											1	1	173.80	364
173.75													173.75	364
173.70													173.70	364
173.65													173.65	364
173.60													173.60	364
173.55												1	173.55	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.74	174.62	174.54	174.57	174.63	174.56	174.66	174.59	174.38	174.27	174.28	174.14
2	174.72	174.58	174.27	174.24	174.65	174.60	174.67	174.49	174.46	174.05	174.28	173.95
3	174.65	174.54	174.48	174.57	174.72	174.58	174.57	174.57	174.51	174.31	174.21	174.19
4	174.73	174.58	174.56	174.59	174.71	174.56	174.61	174.54	174.49	174.21	174.16	174.12
5	174.74	174.58	174.64	174.63	174.63	174.57	174.67	174.59	174.46	174.23	173.94	174.06
6	174.71	174.56	174.57	174.62	174.61	174.64	174.60	174.56	174.44	174.18	173.98	174.16
7	174.57	174.60	174.54	174.63	174.62	174.53	174.60	174.51	174.44	174.15	174.10	174.26
8	174.56	174.22	174.57	174.65	174.62	174.49	174.59	174.58	174.41	174.22	174.14	174.21
9	174.71	174.54	174.67	174.67	174.59	174.58	174.60	174.51	174.39	174.18	174.17	174.04
10	174.69	174.55	174.78	174.67	174.59	174.58	174.57	174.52	174.49	174.29	174.28	174.16
11	174.41	174.67	174.68	174.69	174.61	174.59	174.59	174.67	174.43	174.30	174.18	174.18
12	174.46	174.58	174.55	174.67	174.64	174.52	174.58	174.60	174.43	174.24	174.02	173.85
13	174.66	174.64	174.59	174.70	174.69	174.57	174.55	174.53	174.39	174.30	174.08	173.97
14	174.64	174.76	174.67	174.77	174.62	174.58	174.56	174.52	174.43	174.25	174.17	174.17
15	174.62	174.69	174.76	174.72	174.63	174.58	174.66	174.50	174.45	174.26	174.25	173.89
16	174.70	174.75	174.66	174.76	174.63	174.57	174.65	174.47	174.43	174.28	174.23	173.57
17	174.78	174.77	174.58	174.71	174.60	174.66	174.60	174.38	174.45	174.09	174.21	174.11
18	174.67	174.61	174.64	174.67	174.71	174.60*	174.57	174.46	174.44	174.20	173.84	174.18
19	174.89	174.58	174.59	174.68	174.78	174.57	174.57	174.38	174.42	174.23	173.91	174.12
20	174.54	174.57	174.53	174.68	174.67	174.63	174.49	174.48	174.43	174.19	174.00	174.02
21	174.51	174.57	174.54	174.67	174.66	174.63	174.55	174.40	174.38	174.00	174.00	173.97
22	174.65	174.57	174.53	174.83	174.62	174.55	174.56	174.35	174.40	174.18	174.14	174.19
23	174.28	174.53	174.57	174.66	174.59	174.61	174.55	174.39	174.28	174.12	174.08	174.14
24	174.42	174.55	174.60	174.70	174.66	174.61	174.53	174.42	174.38	174.10	174.05	174.26
25	174.67	174.56	174.52	174.74	174.68	174.61	174.52	174.39	174.38	174.21	174.25	174.20
26	174.67	174.57	174.48	174.70	174.63	174.49	174.50	174.53	174.32	174.27	174.28	174.22
27	174.63	174.64	174.55	174.63	174.62	174.47	174.58	174.52	174.37	174.14	174.41	174.21
28	174.58	174.67	174.53	174.56	174.60	174.50	174.53	174.57	174.37	174.14	174.31	174.47
29	174.71		174.56	174.59	174.60	174.51	174.55	174.47	174.29	174.20	174.17	174.21
30	174.49		174.51	174.57	174.57	174.53	174.49	174.46	174.20	174.16	173.94	174.27
31	174.58		174.42		174.59		174.61	174.32		174.29		174.00
MEAN	174.63	174.59	174.57	174.65	174.64	174.57	174.58	174.49	174.40	174.20	174.14	174.11
MAX.	175.39	174.98	174.88	174.99	174.97	174.78	174.79	174.83	174.62	174.56	174.55	175.00
	1300/19	1600/14	0300/10	1100/22	2300/18	1700/21	2400/14	2300/26	2000/10	0400/03	0300/27	0800/15
MIN.	173.76	173.85	173.87	173.95	174.40	174.33	174.35	174.17	174.05	173.71	173.48	172.50
	0100/12	1600/08	0600/02	1500/02	1400/31	0200/30	0700/26	0500/22	1600/30	1100/21	1200/18	2200/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.46

ANNUAL SUMMARY OF LEVELS, 1987
Station 4020: Gibraltar, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.69	Apr	174.19	Dec
Daily mean elevation:	174.90	19 Jan	173.72	16 Dec
Instant/hourly elevation:	175.40	1400/19 Jan	173.03	2300/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.90	19 Jan
174.80	17 Feb
174.79	10 Mar
174.85	22 Apr
174.80	19 May
174.72	17 Jun
174.73	5 Jul
174.73	11 Aug
174.59	3 Sep
174.39	1 Oct
174.44	27 Nov
174.49	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.36	23 Jan
174.26	8 Feb
174.34	2 Mar
174.34	2 Apr
174.63	23 May
174.54	27 Jun
174.57	30 Jul
174.41	31 Aug
174.28	30 Sep
174.11	21 Oct
173.95	18 Nov
173.72	16 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.85	1												174.85	1
174.80	1			1									174.80	3
174.75	6	3	2	3	1								174.75	18
174.70	8	3	2	11	7	1	5	1					174.70	56
174.65	5	4	2	8	14	8	8	3					174.65	108
174.60	4	10	8	3	9	14	14	9					174.60	179
174.55	3	7	12	2		5	4	9	3				174.55	224
174.50	1		3	1		2		3	12				174.50	246
174.45	1		1					5	8			1	174.45	262
174.40								1	4		1		174.40	268
174.35	1								2	5	1		174.35	277
174.30			1	1						9	4	3	174.30	295
174.25		1							1	8	5	5	174.25	315
174.20										4	7	8	174.20	334
174.15										4	2	5	174.15	345
174.10										1	3	4	174.10	353
174.05											1	2	174.05	356
174.00											4	1	174.00	361
173.95											1		173.95	362
173.90											1	1	173.90	364
173.85													173.85	364
173.80													173.80	364
173.75													173.75	364
173.70												1	173.70	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4020: Gibraltar, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.77	174.68	174.60	174.67	174.67	174.63	174.71	174.67	174.47	174.39	174.35	174.19
2	174.76	174.64	174.34	174.34	174.69	174.67	174.73	174.58	174.55	174.17	174.34	174.03
3	174.69	174.60	174.52	174.61	174.75	174.64	174.64	174.65	174.59	174.38	174.28	174.27
4	174.77	174.62	174.61	174.55	174.74	174.62	174.67	174.62	174.57	174.31	174.23	174.17
5	174.78	174.63	174.68	174.63	174.67	174.63	174.73	174.66	174.54	174.34	174.00	174.12
6	174.76	174.62	174.62	174.66	174.66	174.69	174.67	174.64	174.53	174.28	174.07	174.22
7	174.61	174.66	174.59	174.67	174.66	174.60	174.67	174.60	174.52	174.23	174.17	174.33
8	174.62	174.26	174.62	174.69	174.67	174.55	174.65	174.65	174.49	174.29	174.21	174.26
9	174.75	174.59	174.62	174.71	174.64	174.63	174.67	174.61	174.46	174.31	174.22	174.12
10	174.75	174.60	174.79	174.71	174.64	174.64	174.65	174.60	174.57	174.36	174.31	174.21
11	174.49	174.71	174.72	174.74	174.65	174.66	174.66	174.73	174.52	174.36	174.24	174.25
12	174.53	174.61	174.59	174.71	174.66	174.59	174.66	174.67	174.53	174.32	174.11	173.95
13	174.71	174.68	174.63	174.74	174.73	174.64	174.61	174.62	174.48	174.38	174.15	174.07
14	174.69	174.77	174.71	174.80	174.66	174.62	174.62	174.61	174.51	174.34	174.24	174.23
15	174.66	174.73	174.78	174.75	174.67	174.64	174.72	174.60	174.53	174.34	174.29	174.16
16	174.73	174.78	174.68	174.79	174.67	174.63	174.71	174.57	174.52	174.35	174.29	173.72
17	174.81	174.80	174.60	174.75	174.65	174.72	174.67	174.48	174.53	174.20	174.28	174.16
18	174.71	174.64	174.65	174.71	174.74	174.65	174.64	174.54	174.52	174.29	173.95	174.25
19	174.90	174.62	174.60	174.72	174.80	174.64	174.64	174.48	174.50	174.30	174.01	174.20
20	174.63	174.61	174.56	174.72	174.71	174.69	174.57	174.57	174.51	174.26	174.04	174.14
21	174.60	174.61	174.57	174.70	174.71	174.70	174.62	174.52	174.46	174.11	174.05	174.07
22	174.72	174.60	174.56	174.85	174.67	174.62	174.63	174.46	174.48	174.29	174.22	174.26
23	174.36	174.56	174.61	174.70	174.63	174.67	174.63	174.49	174.37	174.20	174.17	174.21
24	174.56	174.59	174.64	174.70	174.70	174.68	174.61	174.52	174.46	174.19	174.11	174.33
25	174.75	174.60	174.58	174.77	174.73	174.68	174.60	174.48	174.45	174.28	174.30	174.25
26	174.75	174.61	174.54	174.74	174.68	174.56	174.58	174.63	174.41	174.35	174.32	174.27
27	174.70	174.68	174.59	174.66	174.67	174.54	174.65	174.59	174.45	174.23	174.44	174.26
28	174.66	174.71	174.57	174.59	174.65	174.58	174.61	174.64	174.45	174.22	174.36	174.49
29	174.79		174.60	174.64	174.65	174.60	174.63	174.56	174.39	174.28	174.24	174.24
30	174.57		174.54	174.60	174.64	174.61	174.57	174.56	174.28	174.24	174.05	174.35
31	174.63		174.46		174.64		174.68	174.41		174.35		174.12
MEAN	174.68	174.64	174.61	174.69	174.68	174.63	174.65	174.58	174.49	174.29	174.20	174.19
MAX.	175.40	175.00	174.91	175.02	175.20	175.22	174.85	174.94	174.71	174.59	174.58	175.07
	1400/19	0700/17	1400/15	1100/22	1900/30	1500/02	1300/15	2300/26	0500/02	0400/03	0300/27	0800/15
MIN.	173.89	173.85	173.96	174.04	174.37	174.39	174.40	174.30	174.13	173.87	173.64	173.03
	0100/12	1600/08	0600/02	1600/02	2100/30	1300/28	0800/26	2200/19	1700/30	1200/21	1300/18	2300/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.53

ANNUAL SUMMARY OF LEVELS, 1987
Station 4030: Wyandotte, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.08	Jan	174.61	Nov
Daily mean elevation:	175.23	19 Jan	174.39	16 Dec
Instant/hourly elevation:	175.58	1400/19 Jan	174.12	2400/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.23	19 Jan
175.14	1 Feb
175.14	10 Mar
175.14	22 Apr
175.11	19 May
175.07	21 Jun
175.08	5 Jul
175.05	11 Aug
174.94	3 Sep
174.78	3 Oct
174.79	27 Nov
174.83	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.89	23 Jan
174.83	8 Feb
174.77	20 Mar
174.81	2 Apr
174.99	9 May
174.96	27 Jun
174.96	20 Jul
174.85	31 Aug
174.73	30 Sep
174.58	21 Oct
174.43	18 Nov
174.39	16 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.20	1												175.20	1
175.15	4												175.15	5
175.10	8	1	1	3	1								175.10	19
175.05	9	1	3	19	6	1	5						175.05	63
175.00	4	9	4	4	19	19	16	4					175.00	142
174.95	4	8	6	3	5	10	10	14					174.95	202
174.90		1	9					7	5				174.90	224
174.85	1	7	2					5	16				174.85	255
174.80		1	3	1				1	6			1	174.80	268
174.75			3						2	2	1		174.75	276
174.70									1	11	4	2	174.70	294
174.65										13	5	7	174.65	319
174.60										4	7	12	174.60	342
174.55										1	4	3	174.55	350
174.50											7	4	174.50	361
174.45													174.45	361
174.40											2	1	174.40	364
174.35												1	174.35	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4030: Wyandotte, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.14	175.14	174.95	175.01	175.04	175.01	175.07	175.02	174.87	174.77	174.72	174.62
2	175.14	175.09	174.80	174.81	175.05	175.03	175.08	174.96	174.92	174.64	174.72	174.52
3	175.09	175.04	174.95	174.99	175.08	175.03	175.02	174.99	174.94	174.78	174.67	174.65
4	175.13	175.02	175.01	175.01	175.08	175.02	175.05	174.99	174.93	174.73	174.64	174.61
5	175.14	175.03	175.06	175.07	175.04	175.02	175.08	175.02	174.91	174.72	174.52	174.58
6	175.12	175.01	175.02	175.06	175.02	175.05	175.04	174.99	174.90	174.70	174.55	174.63
7	175.02	175.02	174.99	175.08	175.03	174.98	175.03	174.96	174.89	174.67	174.60	174.68
8	175.02	174.83	175.01	175.09	175.03	174.96	175.02	174.99	174.88	174.70	174.62	174.64
9	175.10	175.00	175.09	175.09	174.99	175.01	175.03	174.98	174.86	174.69	174.64	174.55
10	175.12	175.00	175.14	175.09	175.00	175.00	175.03	174.99	174.92	174.74	174.69	174.61
11	174.96	175.05	175.07	175.09	175.00	175.01	175.03	175.05	174.90	174.75	174.65	174.63
12	174.96	174.99	174.96	175.08	175.03	174.97	175.03	175.02	174.90	174.72	174.56	174.45
13	175.08	175.03	174.96	175.08	175.06	175.01	175.01	174.98	174.87	174.75	174.58	174.51
14	175.06	175.04	175.00	175.13	175.02	174.99	175.01	174.97	174.89	174.71	174.63	174.62
15	175.05	174.98	175.02	175.10	175.04	175.01	175.07	174.96	174.90	174.72	174.67	174.62
16	175.11	174.98	174.93	175.13	175.03	175.01	175.07	174.93	174.89	174.73	174.65	174.39
17	175.16	174.98	174.81	175.10	175.01	175.05	175.03	174.89	174.90	174.63	174.64	174.62
18	175.10	174.88	174.81	175.07	175.07	175.02	175.01	174.92	174.90	174.67	174.43	174.66
19	175.23	174.86	174.78	175.08	175.11	175.01	175.00	174.89	174.88	174.70	174.45	174.63
20	175.04	174.86	174.77	175.07	175.06	175.04	174.96	174.94	174.88	174.68	174.51	174.59
21	175.00	174.88	174.83	175.07	175.05	175.07	175.00	174.90	174.85	174.58	174.51	174.55
22	175.08	174.90	174.87	175.14	175.02	175.03	175.01	174.90	174.86	174.66	174.60	174.66
23	174.89	174.88	174.92	175.06	175.00	175.05	175.00	174.91	174.79	174.62	174.55	174.64
24	174.99	174.90	174.96	175.09	175.04	175.05	174.98	174.92	174.85	174.64	174.52	174.71
25	175.17	174.93	174.92	175.10	175.06	175.04	175.00	174.89	174.84	174.67	174.68	174.67
26	175.18	174.96	174.91	175.08	175.03	174.99	174.99	174.99	174.81	174.71	174.71	174.69
27	175.08	174.99	174.95	175.03	175.02	174.96	175.02	174.99	174.83	174.66	174.79	174.67
28	175.08	175.02	174.94	174.99	175.02	174.97	174.99	175.00	174.83	174.66	174.74	174.83
29	175.16		174.97	175.00	175.01	174.98	175.00	174.95	174.79	174.68	174.66	174.69
30	175.09		174.95	175.01	175.00	175.00	174.97	174.93	174.73	174.66	174.52	174.71
31	175.13		174.90		175.02		175.02	174.85		174.72		174.56
MEAN	175.08	174.97	174.94	175.06	175.03	175.01	175.02	174.96	174.87	174.69	174.61	174.62
MAX.	175.58	175.19	175.22	175.22	175.24	175.17	175.14	175.15	175.00	174.89	174.87	175.21
	1400/19	0100/05	0200/10	1100/22	1900/30	1800/21	1300/15	2300/26	0500/02	0400/03	0300/27	0800/15
MIN.	174.70	174.66	174.64	174.70	174.82	174.87	174.89	174.78	174.66	174.47	174.29	174.12
	0100/12	1400/08	0700/02	1600/02	2100/30	1200/08	0800/20	2100/31	1800/30	1200/21	1300/18	2400/15

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

/ Indicates No Data.

ANNUAL MEAN: 174.90

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.24	Jan	174.76	Nov
Daily mean elevation:	175.38	29 Jan	174.59	16 Dec
Instant/hourly elevation:	175.58	1400/19 Jan	174.38	2400/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.38	29 Jan
175.28	1 Feb
175.25	10 Mar
175.25	22 Apr
175.22	19 May
175.20	21 Jun
175.21	5 Jul
175.17	11 Aug
175.08	3 Sep
174.92	3 Oct
174.91	27 Nov
174.95	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.08	23 Jan
174.95	19 Feb
174.84	20 Mar
174.98	2 Apr
175.11	9 May
175.09	8 Jun
175.11	30 Jul
175.00	31 Aug
174.89	30 Sep
174.74	21 Oct
174.60	18 Nov
174.59	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.35	1												175.35	1
175.30	5												175.30	6
175.25	7	1											175.25	14
175.20	8	1	2	14	1		2						175.20	42
175.15	7	6	4	9	14	10	14	1					175.15	107
175.10	2	8	5	6	16	18	15	13					175.10	190
175.05	1	3	8			2		12	3				175.05	219
175.00		3	5					4	16				175.00	247
174.95		5	2	1				1	7				174.95	263
174.90		1	1						3	2	1	1	174.90	272
174.85			2						1	9	2		174.85	286
174.80			2							14	5	7	174.80	314
174.75										5	9	13	174.75	341
174.70										1	5	6	174.70	353
174.65											6	2	174.65	361
174.60											1	1	174.60	363
174.55											1	1	174.55	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.27	175.28	175.09	175.13	175.16	175.14	175.20	175.14	175.02	174.91	174.87	174.77
2	175.27	175.23	174.98	174.98	175.17	175.16	175.21	175.10	175.06	174.81	174.85	174.68
3	175.23	175.18	175.12	175.11	175.20	175.16	175.16	175.13	175.08	174.92	174.82	174.79
4	175.26	175.17	175.17	175.16	175.20	175.15	175.18	175.12	175.07	174.88	174.78	174.76
5	175.26	175.17	175.20	175.20	175.17	175.15	175.21	175.14	175.05	174.87	174.69	174.73
6	175.25	175.15	175.16	175.20	175.14	175.17	175.17	175.12	175.03	174.85	174.71	174.77
7	175.17	175.16	175.14	175.22	175.15	175.11	175.17	175.10	175.03	174.83	174.75	174.81
8	175.17	175.01	175.15	175.23	175.15	175.09	175.16	175.12	175.02	174.85	174.77	174.78
9	175.22	175.15	175.24	175.23	175.11	175.14	175.16	175.12	175.00	174.83	174.79	174.71
10	175.25	175.14	175.25	175.22	175.13	175.14	175.16	175.13	175.04	174.89	174.83	174.75
11	175.12	175.17	175.19	175.21	175.13	175.14	175.17	175.17	175.03	174.89	174.80	174.77
12	175.12	175.12	175.10	175.21	175.16	175.11	175.16	175.15	175.03	174.87	174.71	174.62
13	175.21	175.15	175.08	175.21	175.17	175.14	175.15	175.11	175.02	174.89	174.73	174.66
14	175.19	175.16	175.11	175.24	175.14	175.12	175.15	175.10	175.03	174.85	174.77	174.76
15	175.19	175.11	175.11	175.22	175.17	175.14	175.20	175.09	175.03	174.86	174.79	174.77
16	175.24	175.07	175.01	175.24	175.15	175.14	175.20	175.07	175.03	174.86	174.78	174.59
17	175.29	175.06	174.88	175.22	175.14	175.17	175.17	175.03	175.03	174.78	174.77	174.77
18	175.23	174.97	174.87	175.20	175.18	175.14	175.15	175.06	175.04	174.81	174.60	174.80
19	175.35	174.95	174.84	175.20	175.22	175.14	175.14	175.04	175.02	174.84	174.61	174.78
20	175.19	174.96	174.84	175.19	175.17	175.16	175.11	175.07	175.01	174.83	174.66	174.74
21	175.16	174.98	174.93	175.20	175.17	175.20	175.13	175.05	174.99	174.74	174.66	174.72
22	175.22	175.00	174.97	175.25	175.14	175.17	175.14	175.06	175.00	174.80	174.73	174.80
23	175.08	174.99	175.03	175.19	175.13	175.19	175.13	175.06	174.94	174.77	174.69	174.79
24	175.16	175.02	175.07	175.21	175.16	175.18	175.12	175.07	174.99	174.79	174.68	174.85
25	175.32	175.04	175.05	175.21	175.17	175.17	175.15	175.05	174.99	174.82	174.81	174.82
26	175.35	175.07	175.04	175.20	175.16	175.13	175.13	175.12	174.95	174.85	174.83	174.83
27	175.35	175.12	175.08	175.15	175.14	175.10	175.16	175.14	174.97	174.80	174.91	174.82
28	175.33	175.14	175.07	175.12	175.14	175.11	175.13	175.14	174.97	174.81	174.87	174.95
29	175.38		175.09	175.13	175.14	175.11	175.13	175.10	174.93	174.82	174.80	174.84
30	175.29		175.08	175.14	175.13	175.14	175.11	175.07	174.89	174.81	174.68	174.85
31	175.28		175.05		175.14		175.15	175.00		174.86		174.71
MEAN	175.24	175.10	175.06	175.19	175.16	175.14	175.16	175.10	175.01	174.84	174.76	174.77
MAX.	175.58	175.32	175.32	175.31	175.30	175.29	175.25	175.25	175.12	174.99	174.96	175.27
	1400/19	0100/01	0200/10	1200/22	0100/19	1800/21	1300/15	2300/26	0600/02	0500/03	0400/27	0800/15
MIN.	174.93	174.87	174.79	174.91	174.98	175.01	175.03	174.94	174.85	174.67	174.48	174.38
	2200/11	1400/08	2400/19	1700/02	2100/30	1200/08	2300/20	1800/17	2100/30	1300/21	1200/18	2400/15

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

/ Indicates No Data.

ANNUAL MEAN: 175.04

ANNUAL SUMMARY OF LEVELS, 1987

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.52	Jan	175.03	Nov
Daily mean elevation:	175.60	9 Mar	174.89	19 Nov
Instant/hourly elevation:	175.72	1300/19 Jan	174.57	1300/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.60	29 Jan
175.53	1 Feb
175.60	9 Mar
175.52	8 Apr
175.46	4 May
175.45	23 Jun
175.45	16 Jul
175.40	11 Aug
175.32	3 Sep
175.19	3 Oct
175.14	27 Nov
175.19	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.44	12 Jan
175.13	20 Feb
174.98	19 Mar
175.31	2 Apr
175.37	9 May
175.37	29 Jun
175.38	30 Jul
175.29	31 Aug
175.18	30 Sep
175.03	22 Oct
174.89	19 Nov
174.94	12 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.55	7		1										175.55	8
175.50	11	1	1	5									175.50	26
175.45	9	5	2	16	1								175.45	59
175.40	4	6	5	4	20	16	20						175.40	134
175.35		4	5	4	10	14	11	15					175.35	197
175.30		2	7	1				14	3				175.30	224
175.25		2	3					2	18				175.25	249
175.20		3	1						7				175.20	260
175.15		1	1						2	2		1	175.15	267
175.10		4	1							13	4	2	175.10	291
175.05										13	6	10	175.05	320
175.00			2							3	10	11	175.00	346
174.95			2								7	6	174.95	361
174.90											1	1	174.90	363
174.85											2		174.85	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.55	175.53	175.38	175.38	175.43	175.41	175.45	175.38	175.29	175.15	175.12	175.05
2	175.55	175.49	175.35	175.31	175.44	175.42	175.45	175.36	175.32	175.11	175.11	174.99
3	175.53	175.48	175.44	175.40	175.45	175.43	175.42	175.37	175.32	175.19	175.08	175.05
4	175.54	175.46	175.47	175.51	175.46	175.43	175.45	175.38	175.31	175.16	175.05	175.05
5	175.53	175.46	175.47	175.50	175.43	175.42	175.45	175.40	175.30	175.12	175.01	175.03
6	175.51	175.44	175.45	175.50	175.42	175.42	175.42	175.36	175.28	175.13	175.01	175.04
7	175.47	175.44	175.42	175.52	175.42	175.38	175.42	175.35	175.28	175.11	175.04	175.06
8	175.47	175.40	175.44	175.52	175.41	175.37	175.42	175.37	175.28	175.12	175.04	175.04
9	175.49	175.46	175.60	175.51	175.37	175.40	175.42	175.37	175.26	175.08	175.06	174.97
10	175.52	175.43	175.51	175.50	175.40	175.40	175.42	175.38	175.28	175.15	175.09	175.02
11	175.44	175.44	175.45	175.47	175.39	175.39	175.42	175.40	175.29	175.15	175.06	175.02
12	175.44	175.41	175.37	175.48	175.43	175.38	175.41	175.38	175.28	175.14	175.01	174.94
13	175.47	175.42	175.32	175.47	175.42	175.40	175.42	175.36	175.28	175.14	175.00	174.96
14	175.46	175.40	175.34	175.49	175.40	175.38	175.43	175.35	175.28	175.10	175.03	175.03
15	175.49	175.33	175.30	175.49	175.44	175.41	175.45	175.33	175.28	175.12	175.05	174.99
16	175.53	175.24	175.19	175.49	175.41	175.40	175.45	175.32	175.28	175.11	175.03	174.98
17	175.55	175.21	175.05	175.48	175.40	175.42	175.42	175.31	175.28	175.05	174.99	175.07
18	175.52	175.15	174.99	175.46	175.43	175.40	175.40	175.32	175.29	175.06	174.90	175.06
19	175.60	175.13	174.98	175.46	175.45	175.40	175.39	175.31	175.28	175.10	174.89	175.06
20	175.48	175.13	175.01	175.45	175.42	175.41	175.38	175.33	175.27	175.10	174.96	175.03
21	175.45	175.15	175.13	175.47	175.42	175.44	175.40	175.30	175.25	175.03	174.97	175.02
22	175.49	175.19	175.21	175.48	175.40	175.44	175.40	175.34	175.27	175.03	174.97	175.07
23	175.45	175.22	175.27	175.46	175.41	175.45	175.39	175.35	175.22	175.06	174.94	175.08
24	175.47	175.26	175.31	175.51	175.41	175.44	175.38	175.35	175.25	175.06	174.96	175.10
25	175.53	175.29	175.30	175.47	175.42	175.43	175.42	175.32	175.25	175.09	175.05	175.10
26	175.56	175.33	175.31	175.45	175.41	175.42	175.41	175.36	175.22	175.10	175.10	175.11
27	175.58	175.36	175.35	175.42	175.40	175.38	175.42	175.39	175.23	175.08	175.14	175.10
28	175.58	175.38	175.35	175.40	175.40	175.38	175.40	175.38	175.22	175.09	175.12	175.19
29	175.60		175.36	175.40	175.39	175.37	175.38	175.35	175.19	175.09	175.07	175.14
30	175.57		175.38	175.42	175.38	175.41	175.38	175.32	175.18	175.08	174.98	175.10
31	175.56		175.37		175.41		175.39	175.29		175.11		174.99
MEAN	175.52	175.34	175.32	175.46	175.42	175.41	175.41	175.35	175.27	175.10	175.03	175.05
MAX.	175.72	175.56	175.62	175.60	175.52	175.54	175.49	175.46	175.35	175.21	175.17	175.35
	1300/19	0300/01	2200/09	1700/04	2400/11	0300/04	1600/26	1600/04	0100/03	0500/03	0200/27	0800/15
MIN.	175.29	175.12	174.95	175.24	175.21	175.32	175.31	175.23	175.08	174.95	174.84	174.57
	2200/11	0800/20	1300/19	1200/02	1900/30	1300/27	1400/24	1600/21	1900/30	1900/22	1400/19	1300/15

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

/ Indicates No Data.

ANNUAL MEAN: 175.31

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.58	Jan	175.09	Nov
Daily mean elevation:	175.65	29 Jan	174.99	19 Nov
Instant/hourly elevation:	175.68	1300/19 Jan	174.91	0100/21 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.65	29 Jan
175.60	1 Feb
175.55	10 Mar
175.58	8 Apr
175.50	4 May
175.50	23 Jun
175.50	16 Jul
175.43	27 Aug
175.37	4 Sep
175.24	1 Oct
175.18	28 Nov
175.21	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.52	12 Jan
175.19	20 Feb
175.00	19 Mar
175.40	2 Apr
175.44	30 May
175.43	8 Jun
175.43	31 Jul
175.35	31 Aug
175.23	30 Sep
175.12	24 Oct
174.99	19 Nov
175.04	13 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.60	9												175.60	9
175.55	13	2		4									175.55	28
175.50	9	8	5	15									175.50	65
175.45		4	5	9	25	15	21						175.45	144
175.40		3	6	1	6	15	10	17					175.40	202
175.35		2	6	1				13	4				175.35	228
175.30		2	2					1	19				175.30	252
175.25		2							6				175.25	260
175.20		3	2						1	5		1	175.20	272
175.15		2	1							13	4	5	175.15	297
175.10										13	9	12	175.10	331
175.05			1								10	11	175.05	353
175.00			2								5	2	175.00	362
174.95			1								2		174.95	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.61	175.60	175.49	175.46	175.49	175.46	175.49	175.43	175.35	175.24	175.18	175.10
2	175.60	175.57	175.43	175.40	175.49	175.48	175.49	175.42	175.37	175.19	175.16	175.07
3	175.58	175.54	175.49	175.44	175.50	175.48	175.48	175.42	175.37	175.23	175.15	175.12
4	175.60	175.53	175.53	175.48	175.50	175.49	175.49	175.42	175.37	175.23	175.12	175.10
5	175.60	175.53	175.53	175.53	175.49	175.47	175.50	175.43	175.36	175.21	175.08	175.09
6	175.58	175.52	175.51	175.55	175.47	175.47	175.49	175.42	175.34	175.20	175.09	175.11
7	175.53	175.51	175.49	175.57	175.47	175.44	175.48	175.40	175.33	175.18	175.11	175.12
8	175.54	175.43	175.49	175.58	175.46	175.43	175.47	175.41	175.33	175.18	175.11	175.10
9	175.56	175.53	175.55	175.57	175.44	175.44	175.47	175.43	175.32	175.17	175.11	175.07
10	175.59	175.51	175.55	175.56	175.46	175.45	175.47	175.43	175.34	175.20	175.14	175.08
11	175.52	175.50	175.50	175.54	175.45	175.45	175.48	175.43	175.35	175.21	175.12	175.10
12	175.52	175.49	175.43	175.53	175.47	175.44	175.48	175.43	175.34	175.20	175.09	175.04
13	175.54	175.50	175.38	175.53	175.47	175.45	175.46	175.42	175.34	175.20	175.08	175.04
14	175.53	175.52	175.38	175.54	175.45	175.44	175.47	175.41	175.34	175.17	175.09	175.09
15	175.54	175.45	175.33	175.54	175.49	175.45	175.49	175.40	175.34	175.18	175.10	175.14
16	175.58	175.35	175.22	175.54	175.47	175.45	175.50	175.39	175.34	175.17	175.09	175.07
17	175.61	175.29	175.07	175.53	175.46	175.46	175.48	175.37	175.34	175.13	175.08	175.13
18	175.58	175.24	175.01	175.53	175.48	175.45	175.46	175.38	175.35	175.13	175.00	175.15
19	175.62	175.21	175.00	175.51	175.49	175.44	175.45	175.37	175.34	175.15	174.99	175.14
20	175.57	175.19	175.04	175.50	175.48	175.46	175.44	175.39	175.33	175.15	175.01	175.12
21	175.55	175.20	175.17	175.51	175.47	175.49	175.45	175.37	175.31	175.12	175.01	175.11
22	175.56	175.24	175.25	175.51	175.46	175.49	175.45	175.39	175.31	175.12	175.05	175.14
23	175.54	175.28	175.31	175.51	175.46	175.50	175.44	175.40	175.29	175.12	175.03	175.15
24	175.56	175.33	175.36	175.52	175.46	175.49	175.43	175.40	175.31	175.12	175.03	175.17
25	175.59	175.37	175.37	175.50	175.47	175.47	175.47	175.38	175.30	175.14	175.10	175.15
26	175.61	175.40	175.38	175.50	175.46	175.47	175.46	175.42	175.29	175.16	175.14	175.17
27	175.63	175.44	175.40	175.48	175.46	175.44	175.46	175.43	175.29	175.14	175.18	175.16
28	175.64	175.47	175.41	175.46	175.45	175.44	175.45	175.42	175.28	175.15	175.18	175.21
29	175.65		175.42	175.46	175.45	175.44	175.44	175.41	175.26	175.15	175.14	175.16
30	175.64		175.42	175.48	175.44	175.46	175.43	175.38	175.23	175.15	175.08	175.17
31	175.62		175.42		175.47		175.43	175.35		175.16		175.09
MEAN	175.58	175.42	175.37	175.51	175.47	175.46	175.47	175.40	175.33	175.17	175.09	175.12
MAX.	175.68	175.63	175.60	175.61	175.56	175.54	175.53	175.48	175.40	175.26	175.22	175.41
	1300/19	0300/01	2100/09	2000/08	2400/11	0300/04	1600/03	1900/26	2000/02	1200/01	1900/28	1000/15
MIN.	175.45	175.19	174.98	175.36	175.29	175.39	175.34	175.30	175.10	175.06	174.91	174.95
	2100/11	2300/20	1000/19	1200/02	2000/30	1900/27	2000/24	2000/31	1600/30	1900/22	0100/21	1200/15

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

/ Indicates No Data.

ANNUAL MEAN: 175.37

ANNUAL SUMMARY OF LEVELS, 1987
Station 4070: Algonac, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.78	Jan	175.26	Dec
Daily mean elevation:	175.99	13 Mar	175.21	24 Nov
Instant/hourly elevation:	176.08	2200/14 Mar	175.16	0200/23 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.98	25 Jan
175.93	14 Feb
175.99	13 Mar
175.70	9 Apr
175.63	1 May
175.64	22 Jun
175.64	11 Jul
175.58	23 Aug
175.53	1 Sep
175.46	1 Oct
175.33	6 Nov
175.26	1 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.70	14 Jan
175.57	26 Feb
175.39	21 Mar
175.55	4 Apr
175.59	29 May
175.59	19 Jun
175.57	31 Jul
175.55	31 Aug
175.44	30 Sep
175.31	19 Oct
175.21	24 Nov
175.26	1 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.95	1		3										175.95	4
175.90	1	1											175.90	6
175.85	5	1											175.85	12
175.80	1	3	2										175.80	18
175.75	3	6											175.75	27
175.70	19	4											175.70	50
175.65	1	6	6	11									175.65	74
175.60		2	5	16	14	18	24						175.60	153
175.55		5	6	2	17	12	7	27					175.55	229
175.50			2	1				4	4				175.50	240
175.45			3						22	1			175.45	266
175.40			2						4	4			175.40	276
175.35			2							9			175.35	287
175.30										13	8		175.30	308
175.25											14	1	175.25	323
175.20											8		175.20	331

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4070: Algonac, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.74	175.85	175.63	175.65	175.63	175.61	175.62	175.58	175.53	175.46	175.31	175.26*
2	175.74	175.84	175.68	175.65	175.62	175.62	175.62	175.57	175.52	175.44	175.31	/
3	175.75	175.77	175.67	175.60	175.61	175.63	175.64	175.57	175.52	175.40	175.32	/
4	175.74	175.72	175.68	175.55	175.62	175.62	175.63	175.57	175.51	175.42	175.33	/
5	175.74	175.70	175.66	175.63	175.62	175.62	175.63	175.56	175.50	175.43	175.32	/
6	175.74	175.68	175.65	175.68	175.62	175.61	175.64	175.57	175.50	175.40	175.33	/
7	175.73	175.67	175.64	175.70	175.61	175.62	175.64	175.57	175.49	175.38	175.31	/
8	175.74	175.70	175.64	175.70	175.61	175.61	175.63	175.56	175.49	175.38	175.30	/
9	175.72	175.74	175.58	175.70	175.62	175.59	175.63	175.57	175.48	175.42	175.28	/
10	175.74	175.86	175.66	175.68	175.61	175.60	175.63	175.56	175.49	175.36	175.28	/
11	175.74	175.78	175.85	175.67	175.61	175.60	175.64	175.57	175.49	175.37	175.29	/
12	175.72	175.76	175.98	175.66	175.59	175.60	175.63	175.56	175.50	175.36	175.30	/
13	175.71	175.79	175.99	175.65	175.60	175.59	175.63	175.56	175.49	175.36	175.28	/
14	175.70	175.93	175.97	175.65	175.60	175.60	175.63	175.56	175.50	175.36	175.26	/
15	175.71	175.75	175.85	175.66	175.60	175.59	175.63	175.56	175.50	175.34	175.24	/
16	175.72	175.64	175.46	175.66	175.60	175.59	175.63	175.56	175.49	175.32	175.23	/
17	175.72	175.63	175.39	175.66	175.60	175.60	175.63	175.56	175.49	175.35	175.26	/
18	175.73	175.67	175.43	175.66	175.60	175.59	175.62	175.55	175.49	175.34	175.29	/
19	175.72	175.74	175.59	175.65	175.61	175.59	175.61	175.56	175.49	175.31	175.29	/
20	175.79	175.76	175.66	175.63	175.61	175.60	175.62	175.55	175.49	175.32	175.23	/
21	175.77	175.79	175.39	175.62	175.60	175.61	175.61	175.57	175.49	/	175.23	/
22	175.73	175.81	175.42	175.63	175.60	175.64	175.60	175.58	175.47	/	175.25	/
23	175.77	175.69	175.47	175.64	175.59	175.63	175.60	175.58	175.49	/	175.23	/
24	175.83	175.59	175.50	175.60	175.59	175.63	175.61	175.56	175.47	/	175.21	/
25	175.98	175.57	175.54	175.62	175.59	175.62	175.62	175.56	175.47	175.35*	175.23	/
26	175.95	175.57	175.56	175.63	175.59	175.63	175.62	175.55	175.47	175.35	175.26	/
27	175.88	175.58	175.55	175.63	175.59	175.63	175.60	175.56	175.45	175.34	175.28	/
28	175.90	175.59	175.56	175.64	175.59	175.62	175.60	175.56	175.44	175.34	175.28	/
29	175.88		175.56	175.64	175.59	175.62	175.59	175.56	175.45	175.34	175.29	/
30	175.86		175.57	175.63	175.60	175.61	175.58	175.56	175.44	175.34	175.32	/
31	175.86		175.62		175.61		175.57	175.55		175.32		/
MEAN	175.78	175.72	175.63	175.65	175.60	175.61	175.62	175.56	175.49	175.37	175.28	175.26
MAX.	176.05	176.04	176.08	175.72	175.75	175.67	175.69	175.65	175.55	175.58	175.38	175.27
	1900/25	1600/14	2200/14	1400/27	2000/30	0100/04	1400/03	1500/21	1600/01	2400/01	2400/04	1200/01
MIN.	175.66	175.56	175.31	175.49	175.50	175.55	175.56	175.50	175.35	175.28	175.16	175.24
	1200/19	1000/25	1300/17	1800/04	0200/12	0200/15	2100/24	0800/02	1700/30	2000/19	0200/23	0100/01

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

/ Indicates No Data.

ANNUAL MEAN: 175.55

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.25	Feb	175.71	Nov
Daily mean elevation:	176.68	16 Mar	175.63	8 Dec
Instant/hourly elevation:	176.79	1600/16 Mar	175.59	0100/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.38	26 Jan
176.67	16 Feb
176.68	16 Mar
176.14	7 Apr
176.07	1 May
176.10	22 Jun
176.11	14 Jul
176.06	23 Aug
175.99	1 Sep
175.92	2 Oct
175.81	5 Nov
175.79	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.14	22 Jan
176.01	28 Feb
175.91	21 Mar
176.05	1 Apr
176.02	19 May
176.03	18 Jun
176.01	31 Jul
175.98	30 Aug
175.87	28 Sep
175.74	26 Oct
175.63	23 Nov
175.63	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.65		2	1										176.65	3
176.60			1										176.60	4
176.55		1											176.55	5
176.50		1	1										176.50	7
176.45		1	2										176.45	10
176.40													176.40	10
176.35	2	1											176.35	13
176.30		1	2										176.30	16
176.25	4	3	1										176.25	24
176.20	4	3	1										176.20	32
176.15	17	6	2										176.15	57
176.10	4	4	4	7			1						176.10	77
176.05			6	22	13	23	21	2					176.05	164
176.00		5	5	1	18	7	9	10					176.00	219
175.95			2					19	3				175.95	243
175.90			3						24	1			175.90	271
175.85									3	3			175.85	277
175.80										8	1		175.80	286
175.75										17	4	7	175.75	314
175.70										2	14	17	175.70	347
175.65											7	6	175.65	360
175.60											4	1	175.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 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	176.20	176.22	176.02	176.05	176.07	176.06	176.07	175.99	175.99	175.88	175.73	175.72
2	176.20	176.24	176.11	176.06	176.06	176.06	176.07	175.99	175.98	175.92	175.71	175.73
3	176.22	176.20	176.16	176.06	176.06	176.09	176.09	176.01	175.96	175.89	175.74	175.73
4	176.20	176.19	176.12	176.13	176.06	176.08	176.09	176.04	175.95	175.87	175.76	175.74
5	176.18	176.13	176.08	176.14	176.06	176.07	176.07	176.02	175.93	175.84	175.81	175.74
6	176.15	176.12	176.08	176.14	176.06	176.05	176.07	176.00	175.92	175.84	175.79	175.71
7	176.20	176.11	176.08	176.14	176.06	176.06	176.08	176.00	175.92	175.85	175.77	175.67
8	176.20	176.29	176.10	176.13	176.05	176.08	176.07	176.00	175.93	175.85	175.74	175.63
9	176.18	176.18	176.14	176.11	176.06	176.08	176.06	175.99	175.93	175.82	175.75	175.67
10	176.18	176.26	176.08	176.10	176.06	176.06	176.06	176.01	175.93	175.85	175.76	175.71
11	176.19	176.18	176.22	176.08	176.03	176.04	176.06	176.00	175.91	175.82	175.73	175.68
12	176.20	176.19	176.33	176.09	176.06	176.06	176.06	175.99	175.92	175.82	175.74	175.70
13	176.15	176.21	176.31	176.09	176.03	176.06	176.09	175.99	175.93	175.78	175.71	175.72
14	176.14	176.31	176.30	176.07	176.03	176.06	176.11	175.98	175.94	175.78	175.71	175.70
15	176.19	176.67	176.52	176.08	176.06	176.06	176.08	175.99	175.93	175.78	175.67	175.76
16	176.20	176.67	176.68	176.10	176.04	176.06	176.07	176.00	175.91	175.74	175.64	175.79
17	176.16	176.60	176.48	176.09	176.05	176.05	176.05	176.01	175.92	175.77	175.64	175.77
18	176.18	176.55	176.64	176.09	176.05	176.03	176.05	176.02	175.91	175.79	175.73	175.73
19	176.20	176.47	176.48	176.08	176.02	176.05	176.03	176.03	175.91	175.77	175.72	175.74
20	176.17	176.40	176.20	176.07	176.04	176.05	176.05	176.02	175.92	175.80	175.75	175.72
21	176.18	176.29	175.91	176.08	176.03	176.05	176.07	176.00	175.91	175.78	175.73	175.77
22	176.14	176.19	175.93	176.07	176.05	176.10	176.05	176.06	175.92	175.78	175.65	175.75
23	176.23	176.11	175.95	176.08	176.06	176.08	176.05	176.06	175.93	175.76	175.63	175.74
24	176.26	176.05	175.96	176.09	176.05	176.06	176.06	176.03	175.94	175.78	175.67	175.71
25	176.38	176.03	175.98	176.07	176.04	176.06	176.07	176.01	175.92	175.79	175.69	175.74
26	176.38	176.03	176.02	176.07	176.03	176.08	176.08	175.98	175.92	175.74	175.70	175.76
27	176.27	176.02	176.01	176.06	176.04	176.08	176.06	175.99	175.87	175.78	175.70	175.76
28	176.29	176.01	176.01	176.11	176.04	176.07	176.06	176.00	175.87	175.79	175.67	175.72
29	176.25		176.01	176.09	176.03	176.06	176.03	175.99	175.89	175.78	175.68	175.79
30	176.23		176.07	176.10	176.04	176.07	176.04	175.98	175.94	175.78	175.71	175.71
31	176.28		176.13		176.06		176.01	176.00		175.77		175.70
MEAN	176.21	176.25	176.16	176.09	176.05	176.06	176.06	176.01	175.92	175.81	175.71	175.73
MAX.	176.46	176.79	176.79	176.24	176.20	176.16	176.20	176.16	176.01	175.98	175.90	175.93
	1500/25	2200/15	1600/16	1300/16	2200/11	0800/09	0400/21	1200/22	1600/01	2000/02	2400/04	1700/15
MIN.	176.08	175.98	175.89	175.97	175.95	175.98	175.83	175.87	175.83	175.68	175.59	175.59
	0300/22	1900/28	2400/21	1600/27	1600/11	1000/07	2300/20	0800/02	0900/28	2100/26	0900/23	0100/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.00

ANNUAL SUMMARY OF LEVELS, 1987

Station 4084: Marysville, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.44	Feb	175.95	Dec
Daily mean elevation:	176.73	16 Feb	175.85	8 Dec
Instant/hourly elevation:	177.05	1245/8 Feb	175.76	0200/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH		LOWEST DAILY MEAN FOR EACH MONTH	
Elev.	Date	Elev.	Date
176.56	25 Jan	176.36	22 Jan
176.73	16 Feb	176.25	28 Feb
176.42	3 Mar	176.23	1 Mar
176.37	7 Apr	176.29	14 Apr
176.32	12 May	176.26	21 May
176.34	22 Jun	176.27	18 Jun
176.37	14 Jul	176.25	31 Jul
176.31	23 Aug	176.19	30 Aug
176.24	1 Sep	176.10	27 Sep
176.18	2 Oct	175.97	26 Oct
176.08	5 Nov	175.85	23 Nov
176.04	29 Dec	175.85	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.70		2											176.70	2
176.65		2											176.65	4
176.60													176.60	4
176.55	1	2											176.55	7
176.50	1	1											176.50	9
176.45	6	3											176.45	18
176.40	16	5	1										176.40	40
176.35	7	6		3			1						176.35	57
176.30		2	2	16	4	15	15	2					176.30	113
176.25		4		5	27	15	14	7					176.25	185
176.20		1	1				1	21	3				176.20	212
176.15								1	15	1			176.15	229
176.10									11	3			176.10	243
176.05									1	7	1		176.05	252
176.00										14	6	3	176.00	275
175.95										6	8	12	175.95	301
175.90											9	10	175.90	320
175.85											5	4	175.85	329
175.80											1	1	175.80	331

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4084: Marysville, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.44	176.39	176.23	/	176.31	176.29	176.32	176.23	176.24	176.10	175.97	175.96
2	176.44	176.43	176.35	/	176.30	176.29	176.31	176.24	176.23	176.18	175.94	175.96
3	176.46	176.42	176.42	/	176.30	176.33	176.32	176.26	176.21	176.15	175.98	175.96
4	176.44	176.43	176.35	/	176.31	176.34	176.34	176.29	176.19	176.11	176.01	175.99
5	176.41	176.36	/	/	176.29	176.33	176.30	176.27	176.17	176.06	176.08	175.99
6	176.37	176.36	/	/	176.29	176.30	176.31	176.24	176.14	176.07	176.05	175.94
7	176.45	176.35	/	176.37*	176.30	176.29	176.31	176.24	176.16	176.10	176.02	175.89
8	176.43	176.60	/	176.35	176.29	176.33	176.31	176.24	176.17	176.11	175.99	175.85
9	176.42	176.41	/	176.33	176.29	176.34	176.31	176.23	176.18	176.04	176.02	175.88
10	176.42	176.46	/	176.31	176.30	176.31	176.29	176.25	176.17	176.10	176.02	175.95
11	176.43	176.38	/	176.29	176.27	176.28	176.30	176.24	176.14	176.06	175.98	175.90
12	176.46	176.40	/	176.32	176.32	176.30	176.30	176.21	176.15	176.06	175.99	175.92
13	176.38	176.43	/	176.31	176.27	176.30	176.34	176.21	176.17	176.01	175.95	175.95
14	176.38	176.47	/	176.29	176.27	176.30	176.37	176.21	176.17	176.01	175.96	175.94
15	176.44	176.73	/	176.30	176.31	176.31	176.33	176.21	176.16	176.02	175.91	175.93
16	176.45	176.73	/	176.31	176.27	176.31	176.31	176.24	176.15	175.97	175.86	176.02
17	176.40	176.70	/	176.31	176.29	176.30	176.27	176.25	176.14	175.99	175.86	176.02
18	176.41	176.66	/	176.32	176.28	176.27	176.29	176.27	176.13	176.03	175.96	175.94
19	176.45	176.60	/	176.30	176.26	176.30	176.27	176.27	176.13	176.02	175.95	175.96
20	176.38	176.54	/	176.30	176.28	176.29	176.31	176.27	176.14	176.05	176.04	175.91
21	176.40	176.46	/	176.33	176.26	176.29	176.31	176.23	176.13	176.02	176.00	175.98
22	176.36	176.38	/	176.31	176.28	176.34	176.30	176.31	176.16	175.99	175.87	175.97
23	176.47	176.34	/	176.31	176.30	176.33	176.29	176.31	176.17	175.99	175.85	175.96
24	176.49	176.30	/	176.34	176.29	176.31	176.30	176.27	176.19	176.03	175.93	175.92
25	176.56	176.28	/	176.31	176.29	176.30	176.31	176.25	176.17	176.03	175.95	175.97
26	176.52*	176.28	/	176.31	176.27	176.33	176.32	176.21	176.16	175.97	175.95	175.99
27	176.45	176.26	/	176.31	176.28	176.33	176.30	176.23	176.10	176.02	175.92	175.96*
28	176.47	176.25	/	176.36	176.28	176.32	176.30	176.24	176.11	176.03	175.88	/
29	176.45		/	176.34	176.28	176.30	176.27	176.22	176.13	176.01	175.87	176.04*
30	176.42		/	176.36	176.29	176.32	176.29	176.19	176.20	176.00	175.92	175.92
31	176.49		/		176.30		176.25	176.24		176.01		175.89
MEAN	176.44	176.44	176.34	176.32	176.29	176.31	176.30	176.24	176.16	176.04	175.96	175.95
MAX.	176.60	177.05	176.47	176.47	176.46	176.45	176.51	176.42	176.28	176.30	176.20	176.18
	1500/25	1245/08	1200/03	1200/21	2100/11	2400/03	2100/20	1200/22	2200/30	2100/02	2400/04	0600/29
MIN.	176.28	176.22	176.19	176.20	176.20	176.14	176.18	176.14	176.06	175.88	175.79	175.76
	0300/22	0700/28	0900/01	0700/29	0700/22	1000/07	2100/19	1100/30	1700/27	0900/09	0900/23	0200/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.23

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.57	Jan	176.08	Dec
Daily mean elevation:	176.80	16 Mar	175.96	23 Nov
Instant/hourly elevation:	177.26	1300/8 Feb	175.85	0200/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.68	25 Jan
176.78	15 Feb
176.80	16 Mar
176.61	4 Apr
176.46	12 May
176.48	22 Jun
176.51	14 Jul
176.46	23 Aug
176.37	1 Sep
176.31	2 Oct
176.23	5 Nov
176.16	17 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.49	22 Jan
176.38	28 Feb
176.35	1 Mar
176.38	1 Apr
176.39	21 May
176.41	18 Jun
176.38	31 Jul
176.31	30 Aug
176.23	28 Sep
176.09	16 Oct
175.96	23 Nov
175.97	8 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.75		3	2										176.75	5
176.70		1	1										176.70	7
176.65	1	1	1										176.65	10
176.60	6	2	1	1									176.60	20
176.55	12	5	5	1									176.55	43
176.50	10	5	3	2			1						176.50	64
176.45	2	6	5	7	1	9	5	1					176.45	100
176.40		3	4	17	26	21	20	5					176.40	196
176.35		2	8	2	4		4	17	2				176.35	235
176.30			1					8	6	1			176.30	251
176.25									18	1			176.25	270
176.20									4	5	1		176.20	280
176.15										10	4	1	176.15	295
176.10										12	6	9	176.10	322
176.05										2	11	11	176.05	346
176.00											2	7	176.00	355
175.95											6	3	175.95	364
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.58	176.50	176.35	176.38	176.44	176.42	176.46	176.36	176.37	176.22	176.10	176.10
2	176.59	176.54	176.49	176.40	176.45	176.42	176.45	176.38	176.36	176.31	176.07	176.10
3	176.61	176.56	176.57	176.45	176.44	176.46	176.45	176.40	176.33	176.30	176.10	176.10
4	176.57	176.58	176.49	176.61	176.45	176.48	176.47	176.42	176.31	176.24	176.14	176.13
5	176.55	176.50	176.42	176.56	176.43	176.47	176.43	176.40	176.29	176.18	176.23	176.13
6	176.49	176.49	176.42	176.52	176.43	176.43	176.43	176.38	176.26	176.20	176.18	176.07
7	176.60	176.48	176.43	176.52	176.45	176.42	176.45	176.38	176.29	176.24	176.15	176.02
8	176.57	176.77	176.49	176.49	176.42	176.46	176.43*	176.38	176.30	176.25	176.12	175.97
9	176.56	176.55	176.60	176.46	176.42	176.48	/	176.36	176.31	176.16	176.16	175.99
10	176.55	176.59	176.46	176.45	176.44	176.45	176.43*	176.38	176.29	176.24	176.16	176.08
11	176.57	176.52	176.51	176.42	176.41	176.41	176.43	176.37	176.27	176.19	176.11	176.02
12	176.61	176.54	176.57	176.45	176.46	176.44	176.42	176.35	176.29	176.19	176.12	176.04
13	176.51	176.56	176.57	176.45	176.41	176.44	176.48	176.35	176.30	176.13	176.08	176.09
14	176.51	176.57	176.55	176.42	176.41	176.43	176.51	176.34	176.30	176.13	176.10	176.07
15	176.58	176.78	176.67	176.43	176.45	176.46	176.47	176.34	176.28	176.15	176.03	176.03
16	176.59	176.77	176.80	176.45	176.40	176.45	176.44	176.36	176.27	176.09	175.99	176.15
17	176.53	176.73	176.79	176.45	176.42	176.44	176.39	176.39	176.26	176.11	175.97	176.16
18	176.55	176.70	176.74	176.45	176.42	176.41	176.42	176.42	176.25	176.16	176.09	176.06
19	176.59	176.65	176.65	176.44	176.39	176.44	176.39	176.40	176.26	176.15	176.08	176.08
20	176.51	176.61	176.52	176.42	176.41	176.42	176.45	176.41	176.27	176.19	176.19	176.03
21	176.52	176.55	176.36	176.46	176.39	176.42	176.43	176.35	176.27	176.15	176.15	176.11
22	176.49	176.49	176.36	176.45	176.41	176.48	176.43	176.45	176.29	176.12	175.99	176.10
23	176.62	176.46	176.37	176.45	176.44	176.46	176.42	176.46	176.30	176.12	175.96	176.09
24	176.62	176.44	176.36	176.49	176.44	176.44	176.42	176.42	176.33	176.17	176.06	176.04
25	176.68	176.42	176.36	176.45	176.43	176.43	176.44	176.38	176.31	176.18	176.08	176.11
26	176.63	176.42	176.39	176.43	176.40	176.45	176.46	176.35	176.29	176.10	176.08	176.13
27	176.55	176.40	176.40	176.45	176.42	176.47	176.44	176.36	176.23	176.15	176.06	176.13
28	176.58	176.38	176.41	176.50	176.41	176.45	176.44	176.37	176.23	176.16	176.00	176.11*
29	176.56		176.40	176.48	176.42	176.43	176.39	176.35	176.25	176.14	175.98	176.15*
30	176.54		176.47	176.50	176.42	176.45	176.42	176.31	176.34	176.14	176.04	176.04
31	176.62		176.56		176.43		176.38	176.39		176.14		176.00
MEAN	176.57	176.56	176.50	176.46	176.42	176.44	176.44	176.38	176.29	176.17	176.09	176.08
MAX.	176.76	177.26	176.87	176.71	176.58	176.63	176.66	176.57	176.45	176.48	176.39	176.24
	2400/22	1300/08	0900/17	1500/04	2100/11	2400/03	2100/20	1200/22	2200/30	2100/02	2300/04	1100/29
MIN.	176.38	176.34	176.30	176.29	176.31	176.19	176.27	176.25	176.15	175.97	175.90	175.85
	0300/22	2300/07	1600/29	1500/01	0600/14	1000/07	2100/19	1100/30	1500/27	0900/09	0800/17	0200/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.37

ANNUAL SUMMARY OF LEVELS, 1987

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.69	Jan	176.20	Dec
Daily mean elevation:	176.91	8 Feb	176.07	23 Nov
Instant/hourly elevation:	177.42	1300/8 Feb	175.92	0200/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.78	25 Jan
176.91	8 Feb
176.83	17 Mar
176.75	4 Apr
176.60	12 May
176.62	9 Jun
176.65	14 Jul
176.59	23 Aug
176.49	1 Sep
176.43	2 Oct
176.37	5 Nov
176.33	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.60	22 Jan
176.50	28 Feb
176.46	1 Mar
176.49	2 Apr
176.51	21 May
176.53	11 Jun
176.51	31 Jul
176.44	30 Aug
176.34	27 Sep
176.20	16 Oct
176.07	23 Nov
176.08	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.90		1											176.90	1
176.85													176.85	1
176.80		2	2										176.80	5
176.75	1	2	1										176.75	9
176.70	11	1	3	1									176.70	25
176.65	11	6	3	1									176.65	46
176.60	6	6	7	5		2	1						176.60	73
176.55	2	6	3	16	13	22	18	3					176.55	156
176.50		3	6	5	18	6	12	12					176.50	218
176.45		1	6	2				15	3				176.45	245
176.40								1	12	2			176.40	260
176.35									13	2	1		176.35	276
176.30									2	5	2	1	176.30	286
176.25										15	5	5	176.25	311
176.20										6	8	9	176.20	334
176.15										1	6	6	176.15	347
176.10											3	7	176.10	357
176.05											5	3	176.05	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.69	176.59	176.46	176.49	176.57	176.55	176.60	176.48	176.49	176.33	176.21	176.24
2	176.71	176.64	176.61	176.49	176.57	176.55	176.58	176.50	176.48	176.43	176.18	176.22
3	176.74	176.66	176.70	176.56	176.56	176.59	176.58	176.52	176.45	176.42	176.22	176.23
4	176.70	176.70	176.60	176.75	176.57	176.60	176.60	176.56	176.42	176.35	176.26	176.27
5	176.67	176.61	176.54	176.68	176.56	176.59	176.56	176.53	176.40	176.28	176.37	176.27
6	176.60	176.60	176.55	176.63	176.57	176.55	176.56	176.51	176.38	176.31	176.31	176.20
7	176.72	176.60	176.56	176.63	176.57	176.54	176.56	176.50	176.40	176.35	176.27	176.13
8	176.69	176.91	176.62	176.60	176.55	176.60	176.56	176.51	176.42	176.36	176.25	176.08
9	176.68	176.67	176.75	176.56	176.55	176.62	176.56	176.49	176.43	176.26	176.29	176.10
10	176.67	176.70	176.58	176.55	176.57	176.58	176.55	176.52	176.41	176.36	176.30	176.20
11	176.68	176.61	176.61	176.52	176.53	176.53	176.55	176.50	176.38	176.30	176.23	176.13
12	176.74	176.65	176.65	176.57	176.60	176.57	176.54	176.47	176.40	176.30	176.24	176.15
13	176.63	176.67	176.66	176.56	176.53	176.56	176.60	176.47	176.42	176.24	176.20	176.21
14	176.63	176.65	176.64	176.54	176.52	176.56	176.65	176.46	176.42	176.23	176.22	176.20
15	176.71	176.81	176.72	176.54	176.58	176.59	176.59	176.47	176.40	176.26	176.15	176.12
16	176.72	176.81	176.83	176.56	176.52	176.59	176.56	176.48	176.39	176.20	176.10	176.27
17	176.66	176.79	176.83	176.56	176.55	176.58	176.51	176.52	176.37	176.23	176.08	176.29
18	176.67	176.77	176.79	176.57	176.55	176.54	176.54	176.54	176.37	176.28	176.20	176.17
19	176.72	176.72	176.71	176.56	176.51	176.57	176.52	176.54	176.37	176.27	176.20	176.20
20	176.61	176.69	176.63	176.55	176.53	176.56	176.55	176.53	176.38	176.31	176.33	176.13
21	176.63	176.63	176.49	176.60	176.51	176.56	176.56	176.46	176.38	176.27	176.28	176.22
22	176.60	176.58	176.49	176.56	176.53	176.61	176.56	176.58	176.42	176.23	176.10	176.21
23	176.74	176.58	176.50	176.58	176.56	176.60	176.55	176.59	176.43	176.24	176.07	176.20
24	176.74	176.56	176.48	176.62	176.56	176.56	176.55	176.54	176.45	176.29	176.19	176.15
25	176.78	176.55	176.48	176.57	176.55	176.56	176.56	176.51	176.43	176.30	176.22	176.23
26	176.73	176.55	176.51	176.56	176.52	176.58	176.59	176.47	176.41	176.22	176.21	176.26
27	176.65	176.52	176.53	176.56	176.54	176.60	176.57	176.49	176.34	176.27	176.18	176.25
28	176.69	176.50	176.54	176.63	176.54	176.59	176.57	176.49	176.35	176.29	176.11	176.22
29	176.67		176.52	176.60	176.54	176.56	176.52	176.47	176.37	176.27	176.09	176.33
30	176.65		176.61	176.62	176.55	176.59	176.55	176.44	176.48	176.26	176.15	176.14
31	176.74		176.69		176.56		176.51	176.51		176.27		176.10
MEAN	176.69	176.65	176.61	176.58	176.55	176.57	176.56	176.50	176.41	176.29	176.21	176.20
MAX.	176.90	177.42	176.91	176.86	176.79	176.73	176.75	176.72	176.57	176.60	176.60	176.47
	2400/22	1300/08	0300/17	1500/04	2100/11	2400/03	2100/20	1100/22	2100/30	2000/02	2300/04	0600/29
MIN.	176.49	176.43	176.42	176.38	176.43	176.45	176.38	176.32	176.29	176.07	176.01	175.92
	0300/22	0100/08	1100/01	1500/01	0200/22	1500/07	2200/20	1800/16	1500/27	0900/09	0100/29	0200/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.48

ANNUAL SUMMARY OF LEVELS, 1987

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.80	Jan	176.31	Dec
Daily mean elevation:	177.08	8 Feb	176.18	23 Nov
Instant/hourly elevation:	177.63	1300/8 Feb	176.00	2300/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.88	23 Jan
177.08	8 Feb
176.87	9 Mar
176.92	5 Apr
176.72	12 May
176.73	9 Jun
176.76	14 Jul
176.70	23 Aug
176.61	1 Sep
176.57	2 Oct
176.49	5 Nov
176.44	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.72	20 Jan
176.63	28 Feb
176.55	1 Mar
176.60	1 Apr
176.62	19 May
176.64	7 Jun
176.61	19 Jul
176.55	30 Aug
176.45	27 Sep
176.32	16 Oct
176.18	23 Nov
176.19	31 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.05		1											177.05	1
177.00													177.00	1
176.95													176.95	1
176.90		1		1									176.90	3
176.85	5	1	2	1									176.85	12
176.80	10	5	4										176.80	31
176.75	5	4	3	3			1						176.75	47
176.70	7	8	7	2	1	8	3						176.70	83
176.65		6	4	9	22	19	21	4					176.65	168
176.60		2	9	1	8	3	6	11	1				176.60	209
176.55			1	1				15	5	2			176.55	233
176.50			1					1	13	1			176.50	249
176.45									10	3	2		176.45	264
176.40									1	9	4	2	176.40	280
176.35										12	4	5	176.35	301
176.30										4	10	13	176.30	328
176.25											3	2	176.25	333
176.20											4	5	176.20	342
176.15											3	4	176.15	349

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.83	176.70	176.55	176.60	176.70	176.66	176.71	176.59	176.61	176.45	176.34	176.35
2	176.84	176.75	176.71	176.61	176.70	176.66	176.70	176.60	176.60	176.57	176.30	176.33
3	176.86	176.77	176.81	176.69	176.70	176.70	176.70	176.63	176.57	176.56	176.34	176.34
4	176.82	176.81	176.71	176.86	176.70	176.71	176.72	176.67	176.55	176.49	176.38	176.38
5	176.80	176.73	176.64	176.92*	176.68	176.70	176.68	176.64	176.53	176.41	176.49	176.38
6	176.72	176.72	176.65	/	176.69	176.67	176.67	176.61	176.49	176.44	176.44	176.31
7	176.85	176.71	176.67	/	176.70	176.64	176.67	176.60	176.52	176.49	176.39	176.24
8	176.81	177.08	176.73	/	176.67	176.71	176.67	176.61	176.54	176.51	176.37	176.19
9	176.81	176.95	176.87	/	176.67	176.73	176.67	176.58	176.56	176.37	176.42	176.20
10	176.79	176.81	176.68	/	176.70	176.70	176.66	176.63	176.53	176.50	176.42	176.31
11	176.81	176.72	176.68	/	176.65	176.65	176.67	176.60	176.49	176.43	176.35	176.24
12	176.88	176.76	176.71	/	176.72	176.69	176.65	176.57	176.51	176.43	176.36	176.25
13	176.75	176.79	176.74	/	176.65	176.68	176.72	176.57	176.54	176.36	176.32	176.32
14	176.75	176.74	176.71	/	176.64	176.67	176.76	176.56	176.54	176.36	176.35	176.31
15	176.84	176.86	176.77	/	176.70	176.71	176.70	176.56	176.51	176.39	176.27	176.20
16	176.84	176.85	176.85	/	176.63	176.70	176.67	176.58	176.50	176.32	176.22	176.38
17	176.77	176.82	176.86	/	176.66	176.69	176.62	176.63	176.49	176.34	176.19	176.41
18	176.79	176.81	176.81	176.68*	176.67	176.65	176.65	176.65	176.48	176.40	176.33	176.27
19	176.85	176.77	176.77	176.67	176.62	176.68	176.61	176.65	176.48	176.40	176.31	176.31
20	176.72	176.75*	176.72	176.67	176.66	176.67	176.66	176.65	176.49	176.44	176.48	176.23
21	176.75	176.71	176.63	176.72	176.63	176.67	176.67	176.59	176.49	176.39	176.41	176.32
22	176.73	176.68	176.63	176.68	176.67	176.72	176.67	176.69	176.53	176.34	176.21	176.32
23	176.88	176.69	176.62	176.70	176.69	176.71	176.66	176.70	176.53	176.36	176.18	176.32
24	176.87*	176.68	176.61	176.76	176.68	176.68	176.66	176.66	176.57	176.42	176.32	176.27
25	/	176.67	176.59	176.70	176.67	176.67	176.67	176.63	176.55	176.42	176.34	176.34
26	/	176.67	176.63	176.69	176.63	176.70	176.70	176.59	176.52	176.34	176.33	176.37
27	/	176.64	176.64	176.69	176.66	176.72	176.69	176.60	176.45	176.39	176.29	176.37
28	/	176.63	176.66	176.76	176.66	176.70	176.68	176.60	176.47	176.41	176.22	176.35
29	176.76		176.65	176.73	176.66	176.67	176.63	176.58	176.49	176.38	176.20	176.44
30	176.75		176.76	176.76	176.65	176.71	176.66	176.55	176.60	176.38	176.25	176.25
31	176.86		176.81		176.67		176.62	176.62		176.39		176.19
MEAN	176.80	176.76	176.71	176.72	176.67	176.69	176.67	176.61	176.52	176.42	176.33	176.31
MAX.	177.06	177.63	176.96	176.99	176.99	176.88	176.91	176.91	176.70	176.75	176.66	176.59
	2400/22	1300/08	0600/09	1900/04	2100/11	2400/03	2100/20	1800/30	1600/30	2100/02	2100/20	0500/29
MIN.	176.60	176.52	176.51	176.47	176.54	176.50	176.52	176.41	176.40	176.11	176.10	176.00
	0300/22	0700/01	1200/01	1500/01	1700/21	0900/07	2300/19	1800/16	1600/27	0900/09	0800/17	2300/15

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

/ Indicates No Data.

ANNUAL MEAN: 176.60

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.94	Jan	176.43	Dec
Daily mean elevation:	177.26	8 Feb	176.29	31 Dec
Instant/hourly elevation:	177.94	1254/8 Feb	176.03	1700/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.03	12 Jan
177.26	8 Feb
177.11	9 Mar
177.13	4 Apr
176.88	12 May
176.90	9 Jun
176.91	14 Jul
176.86	23 Aug
176.76	30 Sep
176.71	3 Oct
176.64	5 Nov
176.61	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.83	27 Jan
176.74	28 Feb
176.67	1 Mar
176.71	1 Apr
176.75	21 May
176.78	18 Jun
176.74	17 Jul
176.66	30 Aug
176.57	27 Sep
176.43	16 Oct
176.29	29 Nov
176.29	31 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.25		1											177.25	1
177.20													177.20	1
177.15													177.15	1
177.10			1	1									177.10	3
177.05													177.05	3
177.00	3			1									177.00	7
176.95	11	1	2										176.95	21
176.90	7	5		3			1						176.90	37
176.85	7	6	6	5	1	5	1	1					176.85	69
176.80	3	8	8	12	12	16	11	3					176.80	142
176.75		6	12	6	16	9	15	10	1				176.75	217
176.70		1	1	2	2		3	11	3	2			176.70	242
176.65			1					6	11				176.65	260
176.60									10	4	2	1	176.60	277
176.55									5	6	4		176.55	292
176.50										11	2	4	176.50	309
176.45										5	6	6	176.45	326
176.40										3	8	9	176.40	346
176.35											2	5	176.35	353
176.30											3	2	176.30	358
176.25											3	4	176.25	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.98	176.80	176.67	176.71	176.83	176.79	176.85	176.71	176.75	176.56	176.46	176.49
2	176.99	176.87	176.84	176.74	176.84	176.80	176.83	176.74	176.74	176.71	176.42	176.45
3	177.01	176.91	176.97	176.85	176.83	176.83	176.82	176.76	176.70	176.71	176.45	176.47
4	176.97	176.98	176.85	177.13	176.84	176.86	176.86	176.81	176.67	176.61	176.51	176.52
5	176.94	176.87	176.77	177.02	176.81	176.85	176.81	176.78	176.65	176.51	176.64	176.52
6	176.84	176.87	176.78	176.91	176.82	176.81	176.80	176.75	176.61	176.56	176.58	176.44
7	177.00	176.86	176.79	176.90	176.84	176.78	176.80	176.74	176.65	176.62	176.52	176.36
8	176.96	177.26	176.88	176.86	176.80	176.86	176.80	176.76	176.67	176.64	176.50	176.30
9	176.95	176.95	177.11	176.82	176.79	176.90	176.79	176.72	176.69	176.49	176.56	176.30
10	176.93	176.93	176.84	176.80	176.83	176.84	176.78	176.76	176.66	176.64	176.56	176.43
11	176.95	176.85	176.79	176.77	176.77	176.79	176.79	176.74	176.61	176.56	176.48	176.35
12	177.03	176.91	176.80	176.83	176.88	176.83	176.76	176.71	176.63	176.56	176.49	176.36
13	176.88	176.93	176.84	176.82	176.78	176.82	176.85	176.70	176.66	176.49	176.44	176.45
14	176.89	176.85	176.82	176.79	176.77	176.81	176.91	176.69	176.67	176.47	176.48	176.44
15	176.99	176.89	176.84	176.79	176.85	176.86	176.84	176.69	176.64	176.51	176.39	176.29
16	177.00	176.88	176.88	176.82	176.77	176.84	176.80	176.71	176.63	176.43	176.34	176.51
17	176.92	176.85	176.89	176.81	176.80	176.83	176.74	176.77	176.60	176.46	176.29	176.54
18	176.93	176.85	176.86	176.81	176.80	176.78	176.78	176.79	176.60	176.53	176.44	176.38
19	177.00	176.83	176.84	176.80	176.75	176.82	176.75	176.79	176.60	176.53	176.43	176.43
20	176.84	176.81	176.86	176.79	176.79	176.80	176.81	176.79	176.61	176.58	176.63	176.33
21	176.88	176.79	176.79	176.88	176.75	176.80	176.81	176.70	176.61	176.52	176.56	176.43
22	176.86	176.77	176.79	176.83	176.78	176.86	176.80	176.85	176.66	176.45	176.32	176.44
23	177.02	176.81	176.78	176.83	176.83	176.84	176.79	176.86	176.66	176.48	176.29	176.44
24	177.00	176.81	176.76	176.92	176.82	176.81	176.79	176.81	176.71	176.55	176.45	176.37
25	177.00	176.80	176.74	176.85	176.81	176.79	176.79	176.77	176.68	176.56	176.47	176.47
26	176.91	176.80	176.77	176.82	176.77	176.83	176.84	176.72	176.66	176.45	176.45	176.50
27	176.83	176.77	176.79	176.83	176.79	176.85	176.81	176.74	176.57	176.52	176.41	176.49
28	176.89	176.74	176.81	176.90	176.79	176.83	176.82	176.74	176.60	176.54	176.33	176.48
29	176.87		176.79	176.88	176.79	176.80	176.76	176.70	176.61	176.52	176.29	176.61
30	176.86		176.90	176.91	176.78	176.85	176.80	176.66	176.76	176.51	176.36	176.36
31	176.99		176.99		176.80		176.75	176.77		176.52		176.29
MEAN	176.94	176.87	176.83	176.85	176.80	176.83	176.80	176.75	176.65	176.54	176.45	176.43
MAX.	177.24	177.94	177.25	177.34	177.20	177.05	177.13	177.06	176.88	176.95	177.02	176.80
	2400/22	1254/08	0600/09	1500/04	2100/11	1300/09	2100/20	1100/22	1500/30	2000/02	2300/04	0500/29
MIN.	176.72	176.58	176.61	176.55	176.64	176.68	176.67	176.49	176.50	176.21	176.19	176.03
	0300/22	0700/01	1900/01	1500/01	0200/22	0700/08	1700/19	1800/16	1600/27	0800/09	0800/17	1700/15

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

/ Indicates No Data.

ANNUAL MEAN: 176.73

ANNUAL SUMMARY OF LEVELS, 1987
Station 5002: Lakeport, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.98	Jan	176.47	Dec
Daily mean elevation:	177.22	8 Feb	176.34	31 Dec
Instant/hourly elevation:	177.91	1255/8 Feb	176.06	1700/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.08	12 Jan
177.22	8 Feb
177.08	9 Mar
177.11	4 Apr
176.91	12 May
176.93	9 Jun
176.95	14 Jul
176.89	23 Aug
176.79	1 Sep
176.74	3 Oct
176.67	5 Nov
176.60	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.87	27 Jan
176.83	28 Feb
176.74	1 Mar
176.77	1 Apr
176.80	19 May
176.81	18 Jun
176.78	19 Jul
176.70	30 Aug
176.61	27 Sep
176.48	16 Oct
176.35	29 Nov
176.34	31 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.20		1											177.20	1
177.15													177.15	1
177.10				1									177.10	2
177.05	2		1										177.05	5
177.00	11	1		1									177.00	18
176.95	7	3	2										176.95	30
176.90	6	6	2	7	1	1	1						176.90	54
176.85	5	11	8	13	11	17	10	2					176.85	131
176.80		6	15	6	18	12	15	7					176.80	210
176.75			2	2	1		5	14	3				176.75	237
176.70			1					7	5	2			176.70	252
176.65								1	13	4	1		176.65	271
176.60									9	3	2		176.60	285
176.55										11	4	2	176.55	302
176.50										9	6	8	176.50	325
176.45										2	7	10	176.45	344
176.40											3	3	176.40	350
176.35											4	5	176.35	359
176.30											3	3	176.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5002: Lakeport, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.03	176.85	176.74	176.77	176.87	176.84	176.88	176.75	176.79	176.61	176.50	176.52
2	177.04	176.91	176.88	176.78	176.87	176.83	176.86	176.76	176.78	176.74	176.45	176.50
3	177.05	176.96	176.99	176.89	176.87	176.88	176.86	176.80	176.74	176.74	176.49	176.52
4	177.00	177.02	176.89	177.11	176.88	176.89	176.89	176.85	176.71	176.66	176.53	176.55
5	176.97	176.91	176.81	177.02	176.85	176.89	176.84	176.81	176.69	176.57	176.67	176.55
6	176.90	176.91	176.83	176.94	176.86	176.85	176.84	176.78	176.65	176.60	176.62	176.48
7	177.05	176.90	176.84	176.93	176.88	176.83	176.85	176.77	176.69	176.66	176.57	176.40
8	177.02	177.22	176.91	176.89	176.84	176.89	176.84	176.78	176.70	176.67	176.53	176.35
9	177.00	176.96	177.08	176.86	176.84	176.93	176.83	176.75	176.72	176.53	176.59	176.34
10	176.98	176.97	176.88	176.84	176.86	176.88	176.80	176.80	176.70	176.68	176.60	176.48
11	176.98	176.89	176.85	176.81	176.81	176.83	176.83	176.77	176.66	176.60	176.53	176.39
12	177.08	176.93	176.86	176.87	176.91	176.87	176.81	176.74	176.67	176.61	176.52	176.40
13	176.93	176.94	176.87	176.86	176.82	176.87	176.88	176.74	176.70	176.52	176.49	176.49
14	176.94	176.88	176.84	176.83	176.82	176.84	176.95	176.73	176.70	176.52	176.52	176.49
15	177.04	176.91	176.86	176.83	176.90	176.90	176.88	176.73	176.67	176.55	176.44	176.36
16	177.04	176.89	176.85	176.86	176.81	176.87	176.84	176.77	176.66	176.48	176.38	176.54
17	176.96	176.87	176.88	176.86	176.84	176.86	176.80	176.78	176.65	176.49	176.35	176.57
18	176.97	176.87	176.84	176.86	176.85	176.81	176.82	176.81	176.63	176.57	176.49	176.42
19	177.04	176.87	176.84	176.85	176.80	176.86	176.78	176.82	176.64	176.57	176.48	176.47
20	176.88	176.84	176.88	176.83	176.83	176.84	176.83	176.83	176.65	176.63	176.65	176.38
21	176.93	176.84	176.84	176.91	176.81	176.83	176.87	176.76	176.64	176.56	176.58	176.47
22	176.90	176.83	176.84	176.87	176.84	176.89	176.84	176.88	176.68	176.51	176.37	176.48
23	177.06	176.87	176.83	176.86	176.88	176.88	176.82	176.89	176.70	176.52	176.35	176.48
24	177.05	176.89	176.80	176.94	176.87	176.84	176.84	176.84	176.75	176.59	176.50	176.42
25	177.03	176.87	176.77	176.89	176.86	176.84	176.83	176.81	176.71	176.60	176.51	176.49
26	176.95	176.86	176.82	176.86	176.82	176.87	176.87	176.76	176.70	176.51	176.49	176.54
27	176.87	176.83	176.83	176.87	176.84	176.88	176.86	176.78	176.61	176.56	176.45	176.54
28	176.92	176.83	176.84	176.95	176.84	176.87	176.86	176.78	176.63	176.58	176.38	176.51
29	176.92		176.84	176.92	176.84	176.84	176.79	176.75	176.64	176.55	176.35	176.60
30	176.89		176.93	176.95	176.83	176.88	176.84	176.70	176.76	176.55	176.40	176.41
31	177.01		177.00		176.85		176.80	176.79		176.56		176.34
MEAN	176.98	176.90	176.86	176.88	176.85	176.86	176.84	176.78	176.69	176.58	176.49	176.47
MAX.	177.25	177.91	177.20	177.24	177.11	177.03	177.18	177.06	176.83	176.93	176.81	176.75
	2400/22	1255/08	0800/09	1900/04	2100/11	1300/09	2100/20	1100/22	1600/30	2000/02	2100/20	0500/29
MIN.	176.77	176.68	176.69	176.64	176.70	176.71	176.68	176.51	176.54	176.25	176.26	176.06
	0300/22	0700/01	2000/01	1400/01	0800/17	0100/07	2400/20	0700/02	1600/27	0800/09	0500/29	1700/15

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

/ Indicates No Data.

ANNUAL MEAN: 176.76

ANNUAL SUMMARY OF LEVELS, 1987
Station 5014: Harbor Beach, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.98	Jan	176.47	Dec
Daily mean elevation:	177.08	8 Feb	176.35	29 Nov
Instant/hourly elevation:	177.63	1308/8 Feb	176.25	2200/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.06	12 Jan
177.08	8 Feb
176.96	3 Mar
176.95	4 Apr
176.88	12 May
176.91	9 Jun
176.92	14 Jul
176.88	23 Aug
176.78	1 Sep
176.71	2 Oct
176.64	5 Nov
176.54	17 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.88	30 Jan
176.81	28 Feb
176.75	1 Mar
176.78	2 Apr
176.79	19 May
176.81	18 Jun
176.77	31 Jul
176.71	12 Aug
176.63	27 Sep
176.49	16 Oct
176.35	29 Nov
176.37	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.05	1	1											177.05	2
177.00	11												177.00	13
176.95	11	1	1										176.95	26
176.90	6	9	2	5		2	1						176.90	51
176.85	2	7	6	8	9	13	5	1					176.85	102
176.80		10	19	16	20	15	22	7					176.80	211
176.75			2	1	2		3	14	2				176.75	235
176.70			1					9	4	1			176.70	250
176.65									16	3			176.65	269
176.60									8	5	1		176.60	283
176.55										9	5		176.55	297
176.50										12	9	5	176.50	323
176.45										1	5	15	176.45	344
176.40											5	8	176.40	357
176.35											4	3	176.35	364
176.30											1		176.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5014: Harbor Beach, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.01	176.88	176.75	176.81	176.87	176.85	176.86	176.74	176.78	176.64	176.49	176.49
2	177.01	176.92	176.87	176.78	176.85	176.84	176.84	176.75	176.76	176.71	176.45	176.49
3	177.03	176.94	176.96	176.88	176.84	176.88	176.85	176.80	176.74	176.69	176.51	176.50
4	176.99	177.00	176.88	176.95	176.86	176.90	176.89	176.82	176.70	176.66	176.54	176.50
5	176.99	176.92	176.81	176.94	176.84	176.88	176.84	176.79	176.69	176.62	176.64	176.52
6	176.93	176.92	176.83	176.89	176.86	176.85	176.83	176.76	176.66	176.62	176.60	176.46
7	177.03	176.91	176.87	176.88	176.87	176.85	176.85	176.76	176.69	176.64	176.58	176.41
8	177.03	177.08	176.89	176.86	176.84	176.91	176.85	176.78	176.70	176.66	176.53	176.37
9	177.00	176.93	176.94	176.85	176.85	176.91	176.84	176.74	176.71	176.57	176.56	176.38
10	176.99	176.95	176.84	176.84	176.86	176.87	176.82	176.76	176.69	176.65	176.56	176.49
11	176.98	176.88	176.84	176.81	176.81	176.84	176.84	176.75	176.65	176.60	176.51	176.43
12	177.06	176.91	176.85	176.84	176.88	176.87	176.83	176.71	176.67	176.60	176.53	176.43
13	176.96	176.93	176.86	176.85	176.81	176.88	176.88	176.73	176.69	176.54	176.49	176.49
14	176.96	176.85	176.82	176.81	176.82	176.85	176.92	176.72	176.70	176.55	176.51	176.48
15	177.02	176.89	176.83	176.81	176.87	176.89	176.86	176.76	176.68	176.55	176.43	176.42
16	177.03	176.88	176.82	176.84	176.82	176.86	176.84	176.79	176.66	176.49	176.39	176.50
17	176.96	176.85	176.84	176.85	176.84	176.84	176.80	176.80	176.64	176.52	176.38	176.54
18	176.96	176.85	176.82	176.85	176.83	176.81	176.83	176.83	176.63	176.59	176.51	176.44
19	177.01	176.86	176.81	176.84	176.79	176.84	176.81	176.83	176.64	176.56	176.53	176.48
20	176.92	176.85	176.85	176.83	176.81	176.83	176.84	176.84	176.65	176.60	176.60	176.41
21	176.96	176.84	176.83	176.87	176.81	176.82	176.87	176.77	176.64	176.55	176.53	176.50
22	176.92	176.83	176.82	176.85	176.83	176.87	176.83	176.85	176.67	176.52	176.41	176.50
23	177.04	176.86	176.81	176.83	176.86	176.85	176.82	176.88	176.70	176.52	176.38	176.48
24	177.05	176.88	176.79	176.88	176.86	176.84	176.85	176.83	176.72	176.58	176.49	176.45
25	177.02	176.85	176.77	176.87	176.83	176.84	176.84	176.81	176.70	176.59	176.50	176.48
26	176.94	176.84	176.83	176.84	176.80	176.88	176.85	176.76	176.70	176.52	176.46	176.52
27	176.90	176.82	176.83	176.86	176.84	176.88	176.84	176.76	176.63	176.55	176.43	176.53
28	176.92	176.81	176.83	176.94	176.84	176.88	176.83	176.76	176.64	176.58	176.37	176.47
29	176.92		176.83	176.91	176.84	176.85	176.79	176.75	176.66	176.55	176.35	176.52
30	176.88		176.90	176.93	176.84	176.88	176.82	176.74	176.75	176.54	176.43	176.44
31	176.98		176.94		176.85		176.77	176.79		176.55		176.39
MEAN	176.98	176.89	176.84	176.86	176.84	176.86	176.84	176.78	176.68	176.58	176.49	176.47
MAX.	177.12	177.63	177.05	177.04	176.96	176.95	177.00	176.94	176.82	176.83	176.72	176.60
	0200/12	1308/08	2300/30	2400/04	0100/12	2200/03	2000/20	0200/23	1400/01	2300/02	1200/05	0600/29
MIN.	176.84	176.79	176.69	176.71	176.71	176.75	176.73	176.63	176.58	176.43	176.29	176.25
	0400/30	0900/28	1200/01	1600/01	0200/22	0800/07	2400/20	0900/02	1500/27	0800/09	1400/28	2200/15

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

/ Indicates No Data.

ANNUAL MEAN: 176.76

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.96	Jan	176.44	Dec
Daily mean elevation:	177.27	5 Apr	176.13	31 Dec
Instant/hourly elevation:	177.61	1500/8 Feb	175.86	1200/19 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.17	10 Jan
177.13	8 Feb
177.27	9 Mar
177.27	5 Apr
177.06	18 May
176.97	22 Jun
176.93	14 Jul
176.91	4 Aug
176.78	18 Sep
176.72	3 Oct
176.78	25 Nov
176.65	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.80	20 Jan
176.84	28 Feb
176.78	25 Mar
176.76	1 Apr
176.74	9 May
176.78	11 Jun
176.74	17 Jul
176.63	30 Aug
176.60	27 Sep
176.37	9 Oct
176.26	19 Nov
176.13	31 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.25			1	1									177.25	2
177.20													177.20	2
177.15	1			1									177.15	4
177.10		1											177.10	5
177.05	2				1								177.05	8
177.00	6			1									177.00	15
176.95	7	1	2	3	1	1							176.95	30
176.90	8	6	3	4	5	3	2	1					176.90	62
176.85	5	13	9	13	6	14	8	1					176.85	131
176.80	1	7	13	5	15	9	12	6					176.80	199
176.75	1		3	2	2	3	8	10	4		1		176.75	233
176.70					1		1	12	5	1			176.70	253
176.65									14	2	1		176.65	270
176.60								1	6	3	1	2	176.60	283
176.55									1	8	3	3	176.55	298
176.50										7	5	3	176.50	313
176.45										6	9	7	176.45	335
176.40										3	2	5	176.40	345
176.35										1	4	5	176.35	355
176.30											2	3	176.30	360
176.25											2	2	176.25	364
176.20													176.20	364
176.15													176.15	364
176.10												1	176.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.03	176.88	176.79	176.76	176.84	176.83	176.92	176.74	176.74	176.49	176.52	176.55
2	177.08	176.92	176.81	176.78	176.94	176.83	176.89	176.74	176.77	176.66	176.47	176.40
3	177.03	176.92	176.94	176.89	176.96	176.86	176.85	176.79	176.74	176.72	176.48	176.56
4	176.99	176.97	176.87	177.16	176.95	176.89	176.89	176.91	176.70	176.58	176.49	176.53
5	176.97	176.88	176.83	177.27	176.85	176.91	176.85	176.85	176.68	176.50	176.58	176.51
6	176.92	176.89	176.82	176.98	176.86	176.82	176.84	176.75	176.66	176.55	176.50	176.46
7	177.02	176.90	176.83	176.95	176.90	176.79	176.85	176.74	176.72	176.65	176.52	176.42
8	176.95	177.13	176.95	176.89	176.83	176.88	176.84	176.77	176.70	176.64	176.52	176.38
9	176.98	176.87	177.27	176.85	176.74	176.95	176.82	176.82	176.71	176.37	176.58	176.26
10	177.17	176.93	176.96	176.84	176.94	176.87	176.78	176.81	176.70	176.67	176.66	176.42
11	176.88	176.89	176.85	176.82	176.79	176.78	176.80	176.81	176.66	176.56	176.46	176.39
12	177.02	176.88	176.85	176.89	176.95	176.86	176.80	176.75	176.67	176.57	176.48	176.31
13	176.94	176.95	176.86	176.90	176.82	176.86	176.87	176.75	176.65	176.50	176.44	176.39
14	176.91	176.94	176.86	176.90	176.81	176.84	176.93	176.74	176.67	176.43	176.52	176.46
15	177.02	176.90	176.88	176.87	176.93	176.90	176.88	176.73	176.67	176.56	176.46	176.57
16	177.02	176.91	176.86	176.88	176.78	176.88	176.86	176.75	176.66	176.48	176.40	176.49
17	176.96	176.87	176.86	176.86	176.87	176.88	176.74	176.73	176.73	176.41	176.33	176.56
18	176.95	176.86	176.87	176.86	177.06	176.81	176.79	176.76	176.78	176.52	176.38	176.33
19	177.08	176.86	176.83	176.87	176.85	176.89	176.76	176.78	176.64	176.54	176.26	176.43
20	176.80	176.85	176.86	176.83	176.84	176.92	176.83	176.80	176.65	176.64	176.63	176.32
21	176.89	176.85	176.84	176.99	176.81	176.88	176.82	176.73	176.66	176.56	176.51	176.29
22	176.87	176.84	176.83	177.00	176.82	176.97	176.82	176.83	176.70	176.45	176.34	176.42
23	176.95	176.85	176.84	176.86	176.88	176.88	176.78	176.86	176.62	176.51	176.29	176.44
24	176.97	176.88	176.82	177.05	176.87	176.84	176.80	176.79	176.77	176.55	176.49	176.46
25	177.00	176.86	176.78	176.92	176.89	176.83	176.84	176.76	176.68	176.56	176.78	176.47
26	176.93	176.85	176.80	176.86	176.81	176.85	176.89	176.78	176.66	176.47	176.57	176.50
27	176.85	176.85	176.84	176.84	176.84	176.86	176.85	176.84	176.60	176.52	176.49	176.47
28	176.89	176.84	176.86	176.95	176.84	176.85	176.88	176.80	176.61	176.56	176.45	176.65
29	176.95		176.85	176.88	176.83	176.80	176.80	176.74	176.63	176.53	176.37	176.63
30	176.88		176.91	176.95	176.83	176.90	176.89	176.63	176.76	176.48	176.37	176.38
31	176.96		176.96		176.83		176.85	176.76		176.59		176.13
MEAN	176.96	176.89	176.87	176.91	176.86	176.86	176.84	176.78	176.69	176.54	176.48	176.44
MAX.	177.31	177.61	177.47	177.60	177.27	177.25	177.09	177.11	176.96	176.98	176.97	177.19
	2200/10	1500/08	0800/09	0300/05	1700/18	2400/03	1600/26	1700/04	0500/24	2200/02	1600/25	1000/15
MIN.	176.66	176.70	176.70	176.58	176.63	176.71	176.62	176.52	176.48	176.02	175.86	175.87
	1800/11	1500/05	0100/06	0700/29	0500/09	0200/29	0400/17	1100/30	1000/23	1100/09	1200/19	1300/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.76

ANNUAL SUMMARY OF LEVELS, 1987
Station 5059: Harrisville, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.94	Jan	176.43	Dec
Daily mean elevation:	177.00	12 Jan	176.36	8 Dec
Instant/hourly elevation:	177.05	1100/8 Feb	176.18	2000/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.00	12 Jan
176.94	4 Feb
176.89	3 Mar
176.89	28 Apr
176.84	9 May
	Jun
	Jul
	Aug
	Sep
	Oct
	Nov
176.49	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.84	30 Jan
176.79	28 Feb
176.74	1 Mar
176.76	2 Apr
176.74	19 May
	Jun
	Jul
	Aug
	Sep
	Oct
	Nov
176.36	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.95	11												176.95	11
176.90	15	6											176.90	32
176.85	4	4	1	3									176.85	44
176.80	1	16	10	22	14								176.80	107
176.75		2	17	5	10								176.75	141
176.70			3		2								176.70	146
176.65													176.65	146
176.60													176.60	146
176.55													176.55	146
176.50													176.50	146
176.45												8	176.45	154
176.40												16	176.40	170
176.35												5	176.35	175

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5059: Harrisville, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.99	176.85*	176.74	176.81	176.83	/	/	/	/	/	/	/
2	176.97	176.89	176.80	176.76	176.81	/	/	/	/	/	/	/
3	176.98	176.88	176.89	176.84	176.79	/	/	/	/	/	/	176.42*
4	176.96	176.94	176.83	176.84	176.81	/	/	/	/	/	/	176.42
5	176.96	176.91	176.79	176.84	176.81	/	/	/	/	/	/	176.45
6	176.93	176.91	176.81	176.83	176.83	/	/	/	/	/	/	176.42
7	176.95	176.91	176.85	176.83	176.82	/	/	/	/	/	/	176.39
8	176.99	176.92	176.83	176.82	176.81	/	/	/	/	/	/	176.36
9	176.98	176.90	176.81	176.82	176.84	/	/	/	/	/	/	176.39
10	176.94	176.92	176.80	176.81	176.82	/	/	/	/	/	/	176.46
11	176.94	176.85	176.80	176.79	176.79	/	/	/	/	/	/	176.43
12	177.00	176.85	176.81	176.81	176.83	/	/	/	/	/	/	176.42
13	176.94	176.90	176.81	176.81	176.78	/	/	/	/	/	/	176.46
14	176.92	176.82	176.77	176.78	176.78	/	/	/	/	/	/	176.45
15	176.95	176.84	176.79	176.79	176.82	/	/	/	/	/	/	176.44
16	176.97	176.84	176.77	176.82	176.80	/	/	/	/	/	/	176.39
17	176.93	176.81	176.79	176.81	176.81	/	/	/	/	/	/	176.48
18	176.93	176.83	176.77	176.82	176.78	/	/	/	/	/	/	176.43
19	176.95	176.84	176.76	176.81	176.74	/	/	/	/	/	/	176.46
20	176.91	176.83	176.81	176.81	176.78*	/	/	/	/	/	/	176.39
21	176.95	176.82	176.79	176.82	176.77	/	/	/	/	/	/	176.49
22	176.88	176.81	176.78	176.77	176.80	/	/	/	/	/	/	176.48
23	176.95	176.83	176.77	176.82	176.81	/	/	/	/	/	/	176.45
24	176.99	176.84	176.75	176.84	176.82	/	/	/	/	/	/	176.44
25	176.99	176.82	176.75	176.82	176.78	/	/	/	/	/	/	176.43
26	176.91	176.81	176.80	176.81	176.75*	/	/	/	/	/	/	176.46
27	176.89	176.80	176.80	176.83	/	/	/	/	/	/	/	176.49
28	176.89	176.79	176.80	176.89	/	/	/	/	/	/	/	176.44
29	176.89		176.78	176.86	/	/	/	/	/	/	/	176.43
30	176.84		176.82	176.88	/	/	/	/	/	/	/	176.43*
31	176.92		176.85		/		/	/		/		176.41
MEAN	176.94	176.86	176.80	176.82	176.80	/	/	/	/	/	/	176.43
MAX.	177.05	177.05	176.91	176.93	176.89							176.76
	1000/12	1100/08	0800/03	1300/28	0800/18							1200/15
MIN.	176.81	176.77	176.67	176.68	176.71							176.18
	1500/30	1800/14	1600/01	1600/22	2200/21							2000/15

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

/ Indicates No Data.

ANNUAL MEAN: 176.78

ANNUAL SUMMARY OF LEVELS, 1987

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.93	Jan	176.45	Dec
Daily mean elevation:	177.01	5 Jan	176.40	16 Dec
Instant/hourly elevation:	177.06	2200/21 Jan	176.24	0400/16 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.01	5 Jan
176.92	1 Feb
176.86	7 Mar
176.85	20 Apr
176.85	30 May
176.87	11 Jun
176.84	23 Jul
176.82	17 Aug
176.70	5 Sep
176.70	1 Oct
176.54	3 Nov
176.52	18 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.85	23 Jan
176.72	8 Feb
176.71	9 Mar
176.76	5 Apr
176.75	18 May
176.79	20 Jun
176.74	31 Jul
176.70	31 Aug
176.60	30 Sep
176.49	31 Oct
176.41	25 Nov
176.40	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.00	1												177.00	1
176.95	9												176.95	10
176.90	12	3											176.90	25
176.85	8	5	1			3							176.85	42
176.80	1	17	9	22	23	25	17	3					176.80	159
176.75		2	20	8	7	2	12	9					176.75	219
176.70		1	1		1		2	16					176.70	240
176.65								3	19	1			176.65	263
176.60									10	2			176.60	275
176.55									1	10			176.55	286
176.50										17	6	4	176.50	313
176.45										1	14	9	176.45	337
176.40											10	17	176.40	364
176.35												1	176.35	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.97	176.92	176.80	176.85	176.83	176.85	176.81	176.76	176.70	176.70	176.48	176.42
2	176.95	176.90	176.81	176.77	176.80	176.86	176.82	176.78	176.67	176.56	176.52	176.45
3	176.97	176.85	176.80	176.82	176.79	176.84	176.81	176.79	176.69	176.59	176.54	176.41
4	176.98	176.86	176.83	176.78	176.81	176.85	176.80	176.74	176.70	176.65	176.52	176.41
5	177.01	176.90	176.83	176.76	176.82	176.82	176.80	176.74	176.70	176.64	176.48	176.41
6	176.97	176.90	176.85	176.78	176.82	176.84	176.80	176.78	176.69	176.59	176.49	176.42
7	176.92	176.91	176.86	176.79	176.81	176.87	176.81	176.75	176.65	176.52	176.50	176.44
8	176.97	176.72	176.78	176.81	176.83	176.83	176.81	176.75	176.66	176.57	176.47	176.44
9	176.96	176.91	176.71	176.82	176.85	176.82	176.82	176.73	176.66	176.59	176.47	176.47
10	176.91	176.85	176.80	176.82	176.80	176.83	176.83	176.73	176.65	176.54	176.46	176.46
11	176.96	176.86	176.82	176.81	176.81	176.87	176.83	176.74	176.67	176.55	176.51	176.48
12	176.92	176.81	176.80	176.81	176.80	176.84	176.83	176.75	176.68	176.55	176.49	176.46
13	176.97	176.84	176.81	176.81	176.83	176.84	176.79	176.74	176.68	176.58	176.46	176.46
14	176.94	176.80	176.78	176.78	176.81	176.83	176.77	176.75	176.67	176.58	176.45	176.42
15	176.90	176.81	176.78	176.82	176.81	176.82	176.78	176.80	176.66	176.51	176.47	176.45
16	176.93	176.81	176.78	176.84	176.84	176.83	176.81	176.81	176.65	176.56	176.49	176.40
17	176.94	176.81	176.79	176.84	176.80	176.81	176.84	176.82	176.63	176.55	176.52	176.44
18	176.92	176.83	176.77	176.85	176.75	176.84	176.81	176.81	176.63	176.56	176.46	176.52
19	176.90	176.84	176.78	176.84	176.79	176.81	176.82	176.79	176.69	176.52	176.51	176.45
20	176.96	176.84	176.79	176.85	176.81	176.79	176.80	176.80	176.67	176.52	176.41	176.48
21	176.95	176.84	176.78	176.79	176.82	176.80	176.81	176.80	176.65	176.51	176.42	176.51
22	176.88	176.85	176.80	176.80	176.83	176.81	176.82	176.73	176.66	176.53	176.47	176.45
23	176.85	176.82	176.79	176.83	176.81	176.82	176.84	176.73	176.68	176.52	176.47	176.46
24	176.91	176.81	176.78	176.81	176.81	176.83	176.81	176.75	176.62	176.51	176.41	176.46
25	176.90	176.82	176.81	176.83	176.80	176.83	176.80	176.73	176.66	176.53	176.41	176.43
26	176.91	176.82	176.81	176.84	176.83	176.85	176.77	176.70	176.63	176.57	176.42	176.48
27	176.95	176.81	176.81	176.84	176.84	176.82	176.78	176.70	176.65	176.52	176.43	176.43
28	176.88	176.77	176.79	176.84	176.84	176.84	176.77	176.71	176.67	176.52	176.43	176.42
29	176.89		176.78	176.82	176.85	176.84	176.78	176.74	176.64	176.51	176.44	176.41
30	176.86		176.77	176.81	176.85	176.82	176.75	176.77	176.60	176.52	176.44	176.51
31	176.89		176.78		176.84		176.74	176.70		176.49		176.51
MEAN	176.93	176.84	176.80	176.82	176.82	176.83	176.80	176.76	176.66	176.55	176.47	176.45
MAX.	177.06	177.04	176.93	176.95	176.92	176.93	177.03	176.96	176.75	176.86	176.66	176.71
	2200/21	2300/07	0800/07	2400/28	0700/31	0100/08	0100/21	0100/17	0500/01	1500/01	0700/19	0900/31
MIN.	176.74	176.49	176.60	176.67	176.69	176.74	176.68	176.65	176.51	176.44	176.35	176.24
	0300/23	1000/08	0700/09	0900/21	1700/18	1000/09	0300/21	1100/22	1800/30	1900/30	2100/20	0400/16

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

ANNUAL MEAN: 176.73

ANNUAL SUMMARY OF LEVELS, 1987

Station 5099: DeTour Village, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.92	Jan	176.42	Dec
Daily mean elevation:	176.99	5 Jan	176.27	16 Dec
Instant/hourly elevation:	177.04	2200/21 Jan	176.15	0900/16 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.99	5 Jan
176.91	7 Feb
176.85	7 Mar
176.86	1 Apr
176.85	9 May
176.84	11 Jun
176.81	24 Jul
176.80	18 Aug
176.70	1 Sep
176.67	1 Oct
176.52	19 Nov
176.49	30 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.78	30 Jan
176.70	8 Feb
176.67	9 Mar
176.69	2 Apr
176.74	19 May
176.77	21 Jun
176.71	31 Jul
176.67	27 Aug
176.57	18 Sep
176.48	31 Oct
176.34	28 Nov
176.27	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.95	8												176.95	8
176.90	10	1											176.90	19
176.85	11	7		1									176.85	38
176.80	1	8	4	12	12	24	3						176.80	102
176.75	1	10	16	15	17	6	24	9					176.75	200
176.70		1	10	1	2		4	14					176.70	232
176.65		1	1	1				8	11	1			176.65	255
176.60									16	2			176.60	273
176.55									3	6			176.55	282
176.50										13	3		176.50	298
176.45										9	7	7	176.45	321
176.40											12	13	176.40	346
176.35											5	8	176.35	359
176.30											3	2	176.30	364
176.25												1	176.25	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 5099: DeTour Village, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.98	176.90	176.71	176.86	176.82	176.83	176.79	176.73	176.70	176.67	176.44	176.36
2	176.91	176.88	176.73	176.69	176.79	176.84	176.79	176.76	176.66	176.56	176.46	176.43
3	176.95	176.83	176.81	176.80	176.77	176.82	176.78	176.77	176.66	176.55	176.51	176.42
4	176.96	176.86	176.82	176.76	176.78	176.84	176.80	176.73	176.67	176.62	176.50	176.35
5	176.99	176.90	176.80	176.75	176.80	176.82	176.77	176.71	176.67	176.63	176.46	176.40
6	176.97	176.90	176.82	176.76	176.80	176.82	176.76	176.75	176.67	176.58	176.49	176.39
7	176.90	176.91	176.85	176.78	176.81	176.83	176.78	176.73	176.63	176.49	176.51	176.40
8	176.96	176.70	176.80	176.78	176.81	176.82	176.79	176.73	176.63	176.55	176.45	176.40
9	176.98	176.88	176.67	176.81	176.85	176.81	176.80	176.70	176.64	176.56	176.45	176.42
10	176.88	176.87	176.75	176.80	176.81	176.82	176.81	176.69	176.65	176.56	176.44	176.44
11	176.90	176.84	176.80	176.77	176.77	176.84	176.80	176.71	176.64	176.52	176.46	176.47
12	176.95	176.77	176.78	176.77	176.80	176.83	176.80	176.71	176.66	176.54	176.49	176.41
13	176.96	176.84	176.79	176.80	176.80	176.83	176.76	176.71	176.66	176.55	176.44	176.46
14	176.92	176.76	176.75	176.76	176.78	176.81	176.77	176.72	176.65	176.58	176.44	176.43
15	176.89	176.77	176.75	176.77	176.80	176.82	176.77	176.77	176.65	176.52	176.43	176.39
16	176.95	176.79	176.74	176.81	176.81	176.81	176.77	176.79	176.63	176.52	176.43	176.27
17	176.94	176.76	176.77	176.81	176.80	176.79	176.81	176.79	176.61	176.52	176.47	176.42
18	176.90	176.79	176.75	176.83	176.74	176.80	176.80	176.80	176.57	176.55	176.43	176.47
19	176.90	176.82	176.73	176.81	176.74	176.80	176.79	176.77	176.67	176.51	176.52	176.46
20	176.92	176.82	176.77	176.82	176.78	176.77	176.79	176.78	176.66	176.50	176.40	176.41
21	176.96	176.83	176.77	176.78	176.80	176.77	176.80	176.77	176.61	176.48	176.38	176.48
22	176.88	176.82	176.77	176.77	176.79	176.79	176.79	176.68	176.62	176.52	176.45	176.48
23	176.82	176.79	176.77	176.79	176.79	176.81	176.80	176.71	176.66	176.48	176.43	176.43
24	176.95	176.81	176.75	176.81	176.81	176.81	176.81	176.73	176.60	176.49	176.42	176.45
25	176.95	176.80	176.76	176.81	176.78	176.81	176.77	176.72	176.62	176.52	176.35	176.38
26	176.89	176.80	176.79	176.81	176.78	176.83	176.76	176.69	176.63	176.56	176.37	176.45
27	176.95	176.78	176.79	176.82	176.82	176.81	176.76	176.67	176.62	176.49	176.39	176.44
28	176.86	176.75	176.77	176.85	176.82	176.83	176.75	176.68	176.64	176.52	176.34	176.38
29	176.88		176.77	176.80	176.82	176.82	176.74	176.70	176.63	176.49	176.35	176.34
30	176.78		176.75	176.81	176.82	176.81	176.73	176.74	176.59	176.50	176.38	176.49
31	176.87		176.77		176.83		176.71	176.68		176.48		176.45
MEAN	176.92	176.82	176.77	176.79	176.80	176.81	176.78	176.73	176.64	176.54	176.44	176.42
MAX.	177.04	177.00	176.88	176.95	176.88	176.88	176.87	176.83	176.74	176.77	176.60	176.57
	2200/21	2200/07	0900/07	0200/29	1500/09	1700/11	1900/10	1600/18	0700/01	1600/01	0800/19	2300/30
MIN.	176.71	176.50	176.63	176.62	176.69	176.73	176.69	176.61	176.54	176.39	176.28	176.15
	0200/23	1300/08	0800/09	1400/02	1700/18	2100/20	1700/31	1100/22	0200/30	1800/09	2200/20	0900/16

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

/ Indicates No Data.

ANNUAL MEAN: 176.70

ANNUAL SUMMARY OF LEVELS, 1987

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	177.13	Jan	176.59	Dec
Daily mean elevation:	177.26	25 Jan	176.34	16 Dec
Instant/hourly elevation:	177.30	1600/1 Apr	176.20	1300/16 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.26	25 Jan
177.20	4 Feb
177.15	4 Mar
177.16	1 Apr
177.12	9 May
177.12	2 Jun
177.04	17 Jul
176.98	21 Aug
176.90	4 Sep
176.91	1 Oct
176.73	17 Nov
176.71	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.99	15 Jan
176.98	15 Feb
176.88	30 Mar
176.88	30 Apr
176.94	3 May
176.93	30 Jun
176.84	13 Jul
176.68	22 Aug
176.62	30 Sep
176.59	27 Oct
176.51	21 Nov
176.34	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.25	1												177.25	1
177.20	2												177.20	3
177.15	9	7		1									177.15	20
177.10	8	7	3		2	2							177.10	42
177.05	9	10	5		19	10							177.05	95
177.00	1	3	8	9	5	13	1						177.00	135
176.95	1	1	11	8	4	4	12	2					176.95	178
176.90			2	10	1	1	11	15		1			176.90	219
176.85			2	2			5	6	3	2			176.85	239
176.80							2	5	16	2			176.80	264
176.75								2	6	3			176.75	275
176.70									4	9	1	1	176.70	290
176.65								1		6	6	5	176.65	308
176.60									1	7	7	7	176.60	330
176.55										1	10	10	176.55	351
176.50											6	4	176.50	361
176.45												3	176.45	364
176.40													176.40	364
176.35													176.35	364
176.30												1	176.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.16	177.19	177.02	177.16	176.97	177.10	176.90	176.89	176.84	176.91	176.57	176.52
2	177.08	177.14	177.00	176.91	176.96	177.12	177.00	176.91	176.88	176.73	176.65	176.60
3	177.10	177.16	177.10	177.00	176.94	177.06	176.97	176.92	176.86	176.69	176.65	176.63
4	177.15	177.20	177.15	176.96	176.99	177.06	176.90	176.92	176.90	176.74	176.65	176.49
5	177.19	177.18	177.14	176.90	177.06	177.03	176.92	176.92	176.82	176.81	176.51	176.49
6	177.18	177.18	177.11	176.92	177.05	177.03	176.96	176.94	176.76	176.78	176.64	176.51
7	177.01	177.16	177.10	176.95	177.07	177.01	176.98	176.90	176.71	176.63	176.67	176.59
8	177.12	177.06	177.07	176.98	177.07	176.99	176.94	176.84	176.84	176.71	176.58	176.59
9	177.19	177.14	176.96	177.02	177.12	177.00	176.97	176.83	176.83	176.82	176.59	176.61
10	177.07	177.17	177.01	177.02	177.09	177.06	176.97	176.81	176.81	176.75	176.60	176.59
11	177.06	177.12	177.06	176.98	177.02	177.11	176.93	176.92	176.81	176.65	176.64	176.71
12	177.06	177.07	177.04	176.95	177.05	177.05	176.92	176.92	176.82	176.69	176.67	176.58
13	177.18	177.13	177.06	176.98	177.10	177.07	176.84	176.88	176.81	176.72	176.61	176.60
14	177.09	177.05	177.05	176.94	177.00	176.99	176.92	176.94	176.84	176.75	176.58	176.60
15	176.99	176.98	176.96	176.98	177.03	177.01	176.98	176.94	176.85	176.69	176.66	176.60
16	177.12	177.05	177.00	177.05	177.08	177.04	176.99	176.94	176.81	176.72	176.67	176.34
17	177.13	177.06	176.99	177.05	177.08	177.08	177.04	176.90	176.80	176.65	176.73	176.53
18	177.09	177.10	176.99	177.03	177.03	177.06	176.95	176.98	176.75	176.67	176.57	176.70
19	177.12	177.09	177.00	177.04	177.07	177.05	176.99	176.93	176.83	176.75	176.70	176.63
20	177.15	177.10	177.02	177.03	177.06	177.04	176.95	176.95	176.82	176.77	176.55	176.61
21	177.18	177.08	177.01	176.95	177.09	177.00	176.96	176.98	176.81	176.74	176.51	176.61
22	177.15	177.10	176.97	177.01	177.10	177.02	176.98	176.68	176.80	176.88	176.66	176.68
23	177.10	177.07	177.01	176.93	177.07	177.06	176.96	176.77	176.81	176.88	176.64	176.63
24	177.24	177.14	177.01	176.99	177.08	177.07	176.95	176.85	176.77	176.68	176.58	176.66
25	177.26	177.11	177.00	176.97	177.09	177.05	176.86	176.92	176.75	176.63	176.58	176.51
26	177.19	177.11	176.99	177.02	177.09	177.06	176.85	176.92	176.75	176.76	176.53	176.62
27	177.23	177.03	176.98	176.93	177.10	177.03	176.86	176.92	176.77	176.59	176.56	176.59
28	177.16	177.07	176.93	176.93	177.10	177.03	176.95	176.90	176.80	176.67	176.56	176.58
29	177.20		176.95	176.95	177.10	177.03	176.91	176.80	176.81	176.61	176.55	176.47
30	177.09		176.88	176.88	177.10	176.93	176.86	176.89	176.62	176.62	176.55	176.67
31	177.11		176.89		177.11		176.92	176.82		176.62		176.68
MEAN	177.13	177.11	177.01	176.98	177.06	177.04	176.94	176.89	176.80	176.72	176.61	176.59
MAX.	177.30	177.26	177.18	177.30	177.19	177.19	177.13	177.12	177.06	177.14	176.85	176.86
	0500/25	1100/04	1600/04	1600/01	1300/29	1700/11	1600/17	1100/21	2000/04	1900/01	1000/17	2000/18
MIN.	176.90	176.86	176.80	176.69	176.87	176.91	176.70	176.53	176.55	176.45	176.38	176.20
	1600/15	1700/08	0600/30	1800/29	2000/01	0500/15	2000/13	1700/22	0600/30	0200/25	0200/21	1300/16

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

/ Indicates No Data.

ANNUAL MEAN: 176.91

ANNUAL SUMMARY OF LEVELS, 1987

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.17	Jan	182.97	May
Daily mean elevation:	183.35	22 Aug	182.76	30 Dec
Instant/hourly elevation:	183.68	0200/22 Aug	182.48	1800/16 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.29	15 Jan
183.22	8 Feb
183.14	2 Mar
183.12	29 Apr
183.03	23 May
183.12	8 Jun
183.20	26 Jul
183.35	22 Aug
183.20	1 Sep
183.24	2 Oct
183.21	5 Nov
183.10	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.00	29 Jan
182.97	28 Feb
182.93	23 Mar
182.87	1 Apr
182.86	13 May
182.97	1 Jun
182.99	2 Jul
183.04	1 Aug
183.04	27 Sep
182.97	22 Oct
182.85	15 Nov
182.76	30 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.30								2					183.30	2
183.25	2							1					183.25	5
183.20	9	1						2		1	1		183.20	19
183.15	6						4	8	7	3			183.15	47
183.10	9	5	1	2		1	7	13	14	3	4		183.10	106
183.05	4	4	3			10	12	3	7	10	2	2	183.05	163
183.00		9	6	7	5	15	7	2	2	9	5	11	183.00	241
182.95	1	9	16	11	15	4	1			5	13	10	182.95	326
182.90			5	8	9						2	6	182.90	356
182.85				2	2						2	1	182.85	363
182.80											1		182.80	364
182.75												1	182.75	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.22	183.06	183.01	182.87	183.02	182.97	183.06	183.04	183.20	183.08	182.98	183.02
2	183.20	183.10	183.14	182.99	183.00	183.01	182.99	183.16	183.17	183.24	182.96	183.03
3	183.18	183.14	183.06	182.88	183.00	183.05	183.10	183.13	183.11	183.10	183.00	183.03
4	183.17	183.12	182.94	182.91	182.96	183.04	183.09	183.19	183.04	183.08	183.11	183.04
5	183.14	183.11	182.94	183.02	182.95	183.07	183.02	183.12	183.08	183.09	183.21	183.02
6	183.18	183.13	182.96	183.03	182.98	183.00	183.02	183.07	183.14	183.19	183.14	182.97
7	183.26	183.05	183.00	183.03	182.97	183.03	183.04	183.16	183.16	183.17	183.03	182.87
8	183.25	183.22	183.05	182.99	182.95	183.12	183.05	183.13	183.10	183.05	183.11	182.92
9	183.15	183.07	183.02	182.95	182.99	183.08	183.02	183.13	183.13	183.15	183.05	183.01
10	183.19	183.08	182.98	182.96	182.92	183.03	183.07	183.16	183.08	183.12	183.00	183.01
11	183.25	183.02	182.98	182.98	182.98	183.00	183.07	183.05	183.11	183.08	182.99	182.92
12	183.24	183.15	183.04	183.00	182.94	183.05	183.08	183.06	183.12	183.05	182.98	183.00
13	183.11	183.00	182.97	182.98	182.86	183.04	183.18	183.12	183.17	183.00	183.03	183.04
14	183.22	183.05	182.99	182.99	182.97	183.07	183.15	183.10	183.15	183.07	183.00	183.00
15	183.29	183.05	182.98	182.95	182.93	183.07	183.08	183.11	183.11	183.01	182.85	182.97
16	183.20	183.02	182.97	182.94	182.90	183.07	183.03	183.12	183.12	182.99	182.86	183.10
17	183.14	183.01	182.97	182.95	182.95	183.00	183.04	183.20	183.08	183.16	183.01	182.98
18	183.21	183.00	182.95	182.97	182.95	183.01	183.09	183.15	183.09	183.09	183.08	182.91
19	183.13	183.01	182.97	182.93	182.91	183.07	183.06	183.21	183.09	183.05	183.13	182.96
20	183.13	183.00	183.00	182.94	182.97	183.03	183.11	183.17	183.11	183.03	183.08	183.03
21	183.10	183.00	182.97	183.05	182.93	183.03	183.10	183.14	183.15	183.07	182.97	183.06
22	183.25	183.00	182.97	182.96	183.01	183.05	183.08	183.35	183.13	182.97	182.91	182.98
23	183.23	183.04	182.93	183.04	183.03	183.02	183.12	183.32	183.18	182.99	183.00	182.98
24	183.24	183.01	182.94	182.98	183.01	183.03	183.13	183.22	183.18	183.05	183.00	182.93
25	183.15	183.00	182.97	182.97	182.98	183.05	183.17	183.18	183.14	183.02	182.96	183.03
26	183.09	182.98	183.02	182.95	182.96	183.06	183.20	183.14	183.12	182.98	182.97	182.97
27	183.10	182.99	182.98	183.11	182.97	183.08	183.17	183.15	183.04	183.15	182.94	182.99
28	183.14	182.97	183.03	183.02	182.98	183.05	183.11	183.15	183.07	183.08	182.90	182.93
29	183.00		183.08	183.12	182.99	183.06	183.12	183.14	183.15	183.04	182.97	182.93
30	183.14		183.08	183.05	183.00	183.08	183.11	183.17	183.18	183.10	183.04	182.76
31	183.07		182.97		183.02		183.06	183.27		183.01		183.02
MEAN	183.17	183.05	183.00	182.98	182.97	183.04	183.09	183.16	183.12	183.07	183.01	182.98
MAX.	183.49	183.42	183.31	183.38	183.25	183.26	183.56	183.68	183.36	183.57	183.48	183.29
	2400/11	0600/08	2300/29	1800/27	2000/16	0900/08	0600/21	0200/22	2200/29	0600/02	0700/05	2400/09
MIN.	182.86	182.84	182.79	182.68	182.48	182.76	182.54	182.75	182.83	182.78	182.65	182.64
	1500/06	0600/27	1800/06	2200/20	1800/16	2100/06	1700/20	1300/06	1300/04	1600/13	1000/16	0300/31

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

/ Indicates No Data.

ANNUAL MEAN: 183.05

ANNUAL SUMMARY OF LEVELS, 1987

Station 7023: Ludington, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	177.02	Jan	176.53	Dec
Daily mean elevation:	177.12	2 Jan	176.45	20 Nov
Instant/hourly elevation:	177.18	2100/6 Jan	176.36	2300/19 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.12	2 Jan
177.03	14 Feb
177.08	1 Mar
177.01	22 Apr
177.00	19 May
176.96	21 Jun
176.96	12 Jul
176.92	16 Aug
176.83	21 Sep
176.70	1 Oct
176.65	2 Nov
176.62	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.86	24 Jan
176.90	8 Feb
176.85	31 Mar
176.86	30 Apr
176.87	9 May
176.90	28 Jun
176.83	27 Jul
176.76	23 Aug
176.67	30 Sep
176.57	28 Oct
176.45	20 Nov
176.47	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.10	3												177.10	3
177.05	8		1										177.05	12
177.00	10	2		3									177.00	27
176.95	7	10	5	8	5	3	1						176.95	66
176.90	2	15	19	15	21	25	12	4					176.90	179
176.85	1	1	5	4	5	2	15	7					176.85	219
176.80			1				3	13	4				176.80	240
176.75								7	14				176.75	261
176.70									11				176.70	272
176.65									1	9			176.65	282
176.60										13	5	1	176.60	301
176.55										9	11	7	176.55	328
176.50											9	14	176.50	351
176.45											4	9	176.45	364
176.40											1		176.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7023: Ludington, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.07	177.03	177.08	176.97	176.91	176.95	176.93	176.88	176.74	176.70	176.63	176.56
2	177.12	177.00	176.94	177.00	176.92	176.96	176.95	176.91	176.76	176.67	176.65	176.50
3	177.08	176.98	176.87	176.91	176.96	176.94	176.93	176.87	176.77	176.68	176.61	176.50
4	177.07	176.92	176.92	176.90	176.94	176.92	176.89	176.85	176.76	176.64	176.60	176.53
5	177.07	176.94	176.96	176.90	176.93	176.93	176.93	176.85	176.78	176.66	176.50	176.49
6	177.11	176.93	176.92	176.92	176.91	176.94	176.94	176.83	176.79	176.69	176.49	176.52
7	177.06	176.94	176.90	176.91	176.90	176.96	176.93	176.81	176.78	176.68	176.52	176.54
8	177.01	176.90	176.93	176.92	176.92	176.93	176.92	176.81	176.78	176.63	176.58	176.57
9	177.02	176.92	176.98	176.91	176.87	176.90	176.93	176.88	176.75	176.65	176.56	176.60
10	177.11	176.93	176.97	176.94	176.93	176.92	176.95	176.84	176.75	176.60	176.56	176.49
11	177.07	176.96	176.93	176.96	176.95	176.94	176.94	176.85	176.78	176.65	176.54	176.52
12	176.99	176.96	176.93	176.95	176.90	176.92	176.96	176.84	176.77	176.62	176.52	176.57
13	177.04	176.94	176.91	176.93	176.93	176.93	176.92	176.84	176.74	176.64	176.55	176.48
14	177.06	177.03	176.95	177.01	176.92	176.94	176.84	176.86	176.72	176.61	176.53	176.50
15	177.02	176.98	176.93	177.01	176.89	176.92	176.88	176.91	176.73	176.65	176.60	176.62
16	176.98	176.97	176.94	176.96	176.90	176.91	176.88	176.92	176.74	176.68	176.60	176.60
17	177.03	177.00	176.91	176.97	176.91	176.94	176.87	176.91	176.81	176.66	176.60	176.52
18	177.03	176.96	176.92	176.95	176.98	176.95	176.86	176.86	176.82	176.58	176.52	176.55
19	177.02	176.95	176.96	176.95	177.00	176.94	176.91	176.87	176.80	176.61	176.46	176.49
20	177.04	176.95	176.90	176.96	176.96	176.95	176.88	176.84	176.80	176.63	176.45	176.60
21	176.99	176.95	176.91	176.93	176.95	176.96	176.88	176.86	176.83	176.64	176.51	176.47
22	177.03	176.98	176.90	177.01	176.93	176.93	176.88	176.82	176.82	176.65	176.51	176.51
23	176.95	176.95	176.92	176.99	176.93	176.92	176.88	176.76	176.76	176.67	176.57	176.51
24	176.86	176.92	176.95	176.95	176.91	176.92	176.88	176.77	176.74	176.61	176.49	176.56
25	176.91	176.93	176.96	176.97	176.94	176.95	176.89	176.79	176.73	176.59	176.56	176.54
26	176.99	176.93	176.91	176.95	176.99	176.92	176.87	176.84	176.72	176.59	176.55	176.51
27	176.99	176.96	176.92	176.95	176.94	176.91	176.83	176.83	176.77	176.60	176.56	176.48
28	176.98	176.95	176.91	176.88	176.95	176.90	176.86	176.80	176.74	176.57	176.62	176.55
29	177.02		176.94	176.91	176.94	176.93	176.86	176.79	176.76	176.59	176.62	176.55
30	177.07		176.89	176.86	176.94	176.93	176.85	176.79	176.67	176.58	176.56	176.52
31	176.96		176.85		176.93		176.88	176.77		176.60		176.53
MEAN	177.02	176.96	176.93	176.94	176.93	176.93	176.90	176.84	176.76	176.63	176.55	176.53
MAX.	177.18	177.10	177.16	177.11	177.08	177.04	177.02	177.11	176.89	176.80	176.72	176.86
	2100/06	1700/01	1900/01	2300/01	1300/22	0700/02	2000/12	0800/17	2000/17	2100/01	0400/29	2100/15
MIN.	176.83	176.79	176.80	176.80	176.83	176.84	176.69	176.71	176.62	176.51	176.36	176.38
	2000/24	0800/08	0800/31	0200/22	2000/22	0900/09	0100/30	0100/23	1900/30	0100/28	2300/19	1000/19

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

/ Indicates No Data.

ANNUAL MEAN: 176.83

ANNUAL SUMMARY OF LEVELS, 1987
Station 7031: Holland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.99	Jan	176.50	Dec
Daily mean elevation:	177.13	10 Jan	176.41	30 Dec
Instant/hourly elevation:	177.17	1500/10 Jan	176.36	2200/21 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.13	10 Jan
177.03	14 Feb
177.08	1 Mar
177.03	2 Apr
176.98	19 May
176.95	21 Jun
176.91	1 Jul
176.86	9 Aug
176.84	21 Sep
176.74	2 Oct
176.61	1 Nov
176.66	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.85	24 Jan
176.86	9 Feb
176.83	31 Mar
176.83	28 Apr
176.78	9 May
176.87	12 Jun
176.78	18 Jul
176.73	30 Aug
176.68	14 Sep
176.52	26 Oct
176.43	19 Nov
176.41	30 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.10	1												177.10	1
177.05	3		2										177.05	6
177.00	5	2		1									177.00	14
176.95	4	4	1	5	1								176.95	29
176.90	6	14	10	15	8	10	1						176.90	93
176.85		7	16	7	18	20	12	1					176.85	174
176.80	1		2	2	3		13	17	3				176.80	215
176.75					1		5	7	5				176.75	233
176.70								6	14	2			176.70	255
176.65									8	2		1	176.65	266
176.60										10	1	1	176.60	278
176.55										11	8	2	176.55	299
176.50										6	13	9	176.50	327
176.45											7	12	176.45	346
176.40											1	6	176.40	353

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7031: Holland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.05	176.97	177.08	176.90	176.86	176.90	176.91	176.84	176.70	176.64	176.61	176.57
2	177.09*	176.95	176.93	177.03	176.92	176.91	176.90	176.84	176.77	176.74	176.60	176.47
3	/	176.97	176.87	176.89	176.94	176.90	176.90	176.81	176.74	176.68	176.54	176.51
4	/	176.89	176.88	176.91	176.91	176.87	176.86	176.85	176.72	176.62	176.56	176.52
5	176.97*	176.87	176.92	176.94	176.89	176.90	176.89	176.83	176.73	176.65	176.49	176.47
6	177.01*	176.88	176.88	176.93	176.87	176.91	176.90	176.78	176.73	176.68	176.46	176.49
7	/	176.87	176.83	176.92	176.88	176.90	176.88	176.78	176.75	176.73	176.49	176.48
8	176.97*	177.01	176.93	176.91	176.87	176.91	176.88	176.76	176.74	176.63	176.56	176.50
9	176.99	176.86	177.06	176.86	176.78	176.89	176.88	176.86	176.71	176.63	176.52	176.52
10	177.13*	176.90	176.94	176.89	176.86	176.88	176.88	176.82	176.72	176.60	176.54	176.43
11	/	176.94	176.91	176.94	176.89	176.88	176.88	176.82	176.74	176.61	176.51	176.46
12	/	176.95	176.89	176.92	176.85	176.87	176.89	176.82	176.71	176.59	176.49	176.54
13	/	176.88	176.87	176.90	176.88	176.88	176.89	176.81	176.69	176.58	176.52*	176.45
14	/	177.03	176.92	176.98	176.88	176.89	176.81	176.83	176.68	176.53	176.51	176.47
15	177.01*	176.95	176.91	176.99	176.85	176.89	176.83	176.83	176.69	176.59	176.55	176.66
16	176.95	176.94	176.90	176.94	176.83	176.88	176.83	176.81	176.71	176.61	176.56	176.62
17	176.99	176.98	176.88	176.92	176.86	176.91	176.78	176.83	176.79	176.62	176.54	176.51
18	/	176.95*	176.90	176.90	176.94*	176.90	176.78	176.80	176.81	176.53	176.52	176.46
19	177.01*	/	176.93	176.92	176.98*	176.90	176.82	176.81	176.77	176.58	176.43	176.45
20	177.01	176.91*	176.87	176.91	176.92	176.94	176.82	176.79	176.80	176.58	176.51	176.56
21	176.92	176.92	176.89	176.96	176.90	176.95	176.81	176.82	176.84	176.63	176.48	176.41
22	177.06	176.94	176.88	176.98	176.92	176.92	176.83	176.82	176.81	176.60	176.46	176.47
23	176.94	176.94	176.89	176.98	176.89	176.90	176.81	176.74	176.73	176.63	176.51	176.48
24	176.85	176.92	176.92	176.95	176.88	176.89	176.80	176.73	176.77	176.60	176.47	176.52
25	/	176.92	176.91	176.93	176.91	176.91	176.84	176.74	176.70	176.54	176.58	176.54
26	/	176.92	176.87	176.92	176.93	176.88	176.84	176.80	176.69	176.52	176.53	176.47
27	/	176.93	176.88	176.91	176.89	176.88	176.80	176.81	176.73	176.56	176.53	176.44
28	176.93*	176.96	176.90	176.83	176.89	176.88	176.80	176.77	176.69	176.54	176.59	176.55
29	176.95		176.96	176.88	176.88	176.92	176.81	176.74	176.71	176.56	176.60	176.54
30	177.06		176.88	176.85	176.88	176.93	176.82	176.73	176.69	176.54	176.59	176.41
31	176.92		176.83		176.88		176.85	176.75		176.56		176.46
MEAN	176.99	176.93	176.91	176.92	176.89	176.90	176.85	176.80	176.74	176.60	176.53	176.50
MAX.	177.17	177.13	177.14	177.15	177.01	176.97	176.95	176.91	176.88	176.78	176.66	176.88
	1500/10	1000/08	1600/01	0300/02	1600/18	2100/20	2300/05	1600/09	1300/21	0900/02	0200/29	1900/15
MIN.	176.81	176.80	176.77	176.77	176.75	176.83	176.73	176.69	176.63	176.49	176.37	176.36
	1500/24	1900/09	2100/31	0700/01	1500/09	2100/04	0100/21	0900/30	0900/26	1000/18	0700/19	2200/21

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

ANNUAL MEAN: 176.80

ANNUAL SUMMARY OF LEVELS, 1987

Station 7044: Calumet Harbor, Illinois on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	177.00	Jan	176.50	Dec
Daily mean elevation:	177.30	9 Mar	176.31	31 Dec
Instant/hourly elevation:	177.76	0915/8 Feb	176.17	0400/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.20	10 Jan
177.29	8 Feb
177.30	9 Mar
177.08	2 Apr
177.04	19 May
176.98	21 Jun
176.95	1 Jul
176.92	5 Aug
176.87	22 Sep
176.82	7 Oct
176.69	25 Nov
176.75	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.82	21 Jan
176.86	7 Feb
176.84	7 Mar
176.84	28 Apr
176.79	9 May
176.86	28 Jun
176.79	24 Jul
176.71	30 Aug
176.67	28 Sep
176.48	14 Oct
176.35	19 Nov
176.31	31 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.25		1	1										177.25	2
177.20													177.20	2
177.15	1												177.15	3
177.10	1	1											177.10	5
177.05	4	4	2	4									177.05	19
177.00	8		3	4	2								177.00	36
176.95	8	6	7	5	6	4							176.95	72
176.90	6	11	13	13	12	16	5	2					176.90	150
176.85	1	5	4	3	10	10	9	7	1				176.85	200
176.80	2		1	1			13	15	4	2			176.80	238
176.75					1		4	6	7				176.75	256
176.70								1	14	1		1	176.70	273
176.65									4	2	2	2	176.65	283
176.60										5	5	2	176.60	295
176.55										14	8	4	176.55	321
176.50										5	6	4	176.50	336
176.45										2	3	7	176.45	348
176.40											3	7	176.40	358
176.35											2	2	176.35	362
176.30											1	2	176.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7044: Calumet Harbor, Illinois on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.06	176.93	177.09	176.89	176.91	176.89	176.95	176.84	176.73	176.56	176.63	176.64
2	177.13	176.91	176.93	177.08	176.98	176.93	176.93	176.83	176.84	176.81	176.60	176.46
3	177.05	176.99	176.91	176.95	177.01	176.90	176.90	176.81	176.79	176.75	176.52	176.56
4	177.04	176.94	176.91	177.02	176.98	176.89	176.90	176.92	176.75	176.57	176.54	176.59
5	176.98	176.89	176.97	177.06	176.94	176.91	176.94	176.92	176.74	176.57	176.54	176.50
6	176.99	176.86	176.92	177.00	176.89	176.91	176.91	176.83	176.74	176.69	176.47	176.52
7	177.05	176.86	176.84	176.95	176.90	176.87	176.90	176.81	176.78	176.82	176.47	176.49
8	176.95	177.29	176.99	176.95	176.88	176.90	176.87	176.82	176.77	176.64	176.58	176.50
9	177.00	176.90	177.30	176.89	176.79	176.97	176.85	176.89	176.75	176.55	176.63	176.42
10	177.20	176.89	177.06	176.92	176.88	176.93	176.85	176.89	176.76	176.65	176.66	176.41
11	176.98	176.96	176.94	176.96	176.90	176.87	176.84	176.87	176.76	176.67	176.51	176.43
12	176.96	177.00	176.91	176.95	176.94	176.87	176.84	176.86	176.74	176.58	176.44	176.44
13	176.95	176.93	176.91	176.94	176.93	176.91	176.89	176.84	176.72	176.53	176.52	176.43
14	177.01	177.12	177.03	177.04	176.90	176.91	176.87	176.87	176.70	176.48	176.56	176.52
15	177.08	177.08	177.03	177.01	176.91	176.95	176.91	176.81	176.71	176.59	176.57	176.75
16	177.03	177.10	176.99	176.99	176.88	176.93	176.89	176.82	176.73	176.58	176.57	176.66
17	177.03	177.10	176.94	176.95	176.89	176.95	176.80	176.83	176.78	176.56	176.41	176.53
18	177.01	176.99	176.99	176.92	176.98	176.92	176.80	176.80	176.84	176.50	176.45	176.38
19	177.08	176.94	176.98	176.95	177.04	176.92	176.82	176.82	176.75	176.62	176.35	176.44
20	176.95	176.94	176.91	176.93	176.98	176.97	176.82	176.81	176.76	176.60	176.56	176.47
21	176.82	176.93	176.93	177.06	176.94	176.98	176.82	176.76	176.85	176.60	176.50	176.33
22	177.05	176.93	176.93	177.06	176.94	176.96	176.83	176.87	176.87	176.53	176.38	176.43
23	176.98	176.95	176.95	177.00	176.94	176.93	176.79	176.81	176.73	176.62	176.40	176.49
24	176.88	176.94	176.97	177.02	176.95	176.92	176.79	176.80	176.82	176.62	176.52	176.56
25	176.93	176.96	176.90	176.96	176.98	176.93	176.84	176.76	176.71	176.56	176.69	176.59
26	176.97	176.95	176.86	176.95	176.96	176.90	176.88	176.85	176.69	176.51	176.63	176.52
27	176.85	176.98	176.90	176.90	176.92	176.91	176.85	176.89	176.72	176.56	176.61	176.49
28	176.95	177.06	176.95	176.84	176.92	176.86	176.83	176.84	176.67	176.56	176.65	176.68
29	176.99		177.03	176.91	176.91	176.88	176.83	176.77	176.69	176.58	176.58	176.64
30	177.07		176.97	176.91	176.89	176.92	176.85	176.71	176.74	176.55	176.59	176.36
31	176.94		176.89		176.89		176.87	176.77		176.60		176.31
MEAN	177.00	176.98	176.96	176.97	176.93	176.92	176.86	176.83	176.75	176.60	176.54	176.50
MAX.	177.30	177.76	177.49	177.26	177.16	177.07	177.22	177.04	176.97	177.04	176.79	176.97
	2200/10	0915/08	0600/09	0100/22	1700/18	1500/02	1800/20	1100/22	2200/21	2100/02	1900/25	1000/15
MIN.	176.69	176.60	176.76	176.61	176.73	176.70	176.53	176.58	176.59	176.38	176.18	176.17
	1800/11	2000/07	2100/31	0400/01	1800/09	0300/08	2100/20	0700/21	0700/26	1400/01	0700/19	0400/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.82

ANNUAL SUMMARY OF LEVELS, 1987

Station 7057: Milwaukee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	177.02	Jan	176.51	Dec
Daily mean elevation:	177.42	9 Mar	176.37	19 Nov
Instant/hourly elevation:	177.68	0750/9 Mar	176.29	0800/21 Dec

HIGHEST DAILY MEAN FOR EACH MONTH		LOWEST DAILY MEAN FOR EACH MONTH	
Elev.	Date	Elev.	Date
177.21	10 Jan	176.85	24 Jan
177.20	8 Feb	176.90	6 Feb
177.42	9 Mar	176.87	7 Mar
177.08	2 Apr	176.87	28 Apr
177.02	19 May	176.83	9 May
176.98	21 Jun	176.89	28 Jun
176.94	6 Jul	176.81	23 Jul
176.91	5 Aug	176.76	31 Aug
176.85	21 Sep	176.69	29 Sep
176.72	7 Oct	176.53	18 Oct
176.68	28 Nov	176.37	19 Nov
176.78	15 Dec	176.38	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.40			1										177.40	1
177.35													177.35	1
177.30													177.30	1
177.25													177.25	1
177.20	1												177.20	2
177.15		1											177.15	3
177.10	1	2											177.10	6
177.05	7	3	1	2									177.05	19
177.00	10		6	4	1								177.00	40
176.95	7	10	5	9	8	2							176.95	81
176.90	4	11	14	13	16	23	7	1					176.90	170
176.85		1	4	2	5	5	12	13					176.85	212
176.80	1				1		12	11	4				176.80	241
176.75								6	11			1	176.75	259
176.70									11	3			176.70	273
176.65									4		2		176.65	279
176.60										10	2	1	176.60	292
176.55										14	10	4	176.55	320
176.50										4	6	9	176.50	339
176.45											9	12	176.45	360
176.40												2	176.40	362
176.35											1	2	176.35	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7057: Milwaukee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.07	177.00	177.10	176.94	176.90	176.93	176.93	176.89	176.75	176.63	176.66	176.58
2	177.12	176.97	176.94	177.08	176.97	176.93	176.93	176.87	176.80	176.72	176.64	176.47
3	177.06	176.98	176.89	176.93	177.00	176.92	176.91	176.83	176.78	176.71	176.57	176.52
4	177.06	176.92	176.94	176.94	176.95	176.89	176.89	176.89	176.77	176.63	176.55	176.53
5	177.05	176.91	176.98	177.03	176.93	176.91	176.94	176.91	176.76	176.63	176.49	176.49
6	177.08	176.90	176.92	176.97	176.90	176.93	176.94	176.87	176.76	176.65	176.48	176.53
7	177.05	176.91	176.87	176.93	176.91	176.92	176.92	176.83	176.77	176.72	176.50	176.55
8	176.98	177.20	177.01	176.93	176.90	176.92	176.90	176.85	176.76	176.65	176.58	176.55
9	177.03	176.92	177.42	176.91	176.83	176.91	176.90	176.89	176.73	176.60	176.57	176.49
10	177.21	176.93	177.02	176.92	176.92	176.92	176.88	176.86	176.75	176.62	176.59	176.44
11	177.01	176.99	176.94	176.96	176.94	176.92	176.87	176.88	176.78	176.63	176.52	176.47
12	176.98	176.99	176.92	176.94	176.91	176.90	176.88	176.87	176.73	176.60	176.51	176.46
13	177.03	176.97	176.94	176.94	176.94	176.92	176.88	176.86	176.72	176.60	176.54	176.43
14	177.05	177.12	177.02	177.04	176.92	176.92	176.86	176.89	176.70	176.53	176.54	176.50
15	177.05	177.06	177.05	177.02	176.90	176.91	176.92	176.85	176.72	176.61	176.60	176.78
16	177.00	177.06	177.00	176.97	176.89	176.91	176.88	176.86	176.74	176.63	176.60	176.60
17	177.04	177.06	176.96	176.96	176.91	176.94	176.84	176.83	176.82	176.57	176.52	176.52
18	177.02	176.99	177.02	176.94	177.00	176.93	176.83	176.81	176.84	176.53	176.48	176.47
19	177.06	176.95	176.98	176.96	177.02	176.92	176.86	176.82	176.77	176.60	176.37	176.49
20	176.99	176.95	176.91	176.95	176.97	176.97	176.84	176.81	176.79	176.59	176.48	176.51
21	176.95	176.95	176.93	177.06	176.98	176.98	176.84	176.84	176.85	176.60	176.50	176.38
22	177.04	176.95	176.93	177.05	176.96	176.95	176.84	176.82	176.84	176.60	176.49	176.48
23	176.95	176.95	176.94	176.99	176.92	176.94	176.81	176.77	176.74	176.64	176.49	176.51
24	176.85	176.93	176.98	176.98	176.93	176.94	176.82	176.77	176.80	176.59	176.50	176.57
25	176.92	176.96	176.95	176.97	176.97	176.93	176.84	176.78	176.73	176.56	176.65	176.54
26	176.98	176.96	176.89	176.96	176.99	176.89	176.86	176.88	176.71	176.55	176.59	176.49
27	176.92	176.99	176.91	176.93	176.95	176.90	176.84	176.87	176.75	176.56	176.59	176.50
28	176.97	177.11	176.93	176.87	176.95	176.89	176.84	176.82	176.70	176.55	176.68	176.63
29	177.06		177.03	176.91	176.93	176.93	176.85	176.79	176.69	176.58	176.60	176.59
30	177.06		176.92	176.89	176.92	176.92	176.85	176.76	176.70	176.56	176.58	176.47
31	176.96		176.88		176.92		176.89	176.76		176.60		176.40
MEAN	177.02	176.98	176.97	176.96	176.94	176.92	176.87	176.84	176.76	176.61	176.55	176.51
MAX.	177.26	177.41	177.68	177.16	177.09	177.02	177.00	177.00	176.90	176.82	176.77	177.10
	1400/10	1200/08	0750/09	1600/21	1600/18	2100/20	0100/07	1600/26	1100/21	1900/02	1600/28	0900/15
MIN.	176.81	176.83	176.84	176.80	176.79	176.85	176.72	176.70	176.64	176.48	176.32	176.29
	1400/24	1900/09	0900/31	0700/28	1600/09	1200/03	2300/20	2300/31	0600/29	0900/18	0900/19	0800/21

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

/ Indicates No Data.

ANNUAL MEAN: 176.83

ANNUAL SUMMARY OF LEVELS, 1987

Station 7068: Kewaunee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	176.99	Jan	176.50	Dec	
Daily mean elevation:	177.08	10 Jan	176.39	19 Nov	
Instant/hourly elevation:	177.16	0800/6 Jan	176.34	2100/19 Nov	

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.08	10 Jan
177.02	14 Feb
177.05	1 Mar
176.98	22 Apr
176.99	19 May
176.95	21 Jun
176.92	5 Jul
176.89	5 Aug
176.83	18 Sep
176.70	3 Oct
176.64	2 Nov
176.62	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.82	24 Jan
176.89	10 Feb
176.84	31 Mar
176.86	30 Apr
176.83	9 May
176.87	8 Jun
176.81	26 Jul
176.71	31 Aug
176.65	29 Sep
176.52	14 Oct
176.39	19 Nov
176.41	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.05	2												177.05	2
177.00	12	1	1										177.00	16
176.95	10	5	2	4	3								176.95	40
176.90	4	17	14	16	17	14	3						176.90	125
176.85	2	5	13	10	10	16	13	7					176.85	201
176.80	1		1		1		15	14	1				176.80	234
176.75								7	6				176.75	247
176.70								1	16				176.70	264
176.65									5	2			176.65	271
176.60									1	8	4	1	176.60	285
176.55										12	4	1	176.55	302
176.50										6	13	11	176.50	332
176.45											6	14	176.45	352
176.40											2	4	176.40	358
176.35											1		176.35	359

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7068: Kewaunee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.02	176.97	177.05	176.92	176.89	176.92	176.89	176.89	176.71	176.68	176.64	176.53
2	177.08	176.96	176.92	176.97	176.91	176.92	176.92	176.86	176.76	176.62	176.64	176.47
3	177.04	176.94	176.86	176.91	176.93	176.90	176.87	176.84	176.75	176.70	176.58	176.46
4	177.04	176.90	176.92	176.89	176.91	176.88	176.87	176.84	176.75	176.63	176.54	176.49
5	177.02	176.91	176.94	176.88	176.91	176.90	176.92	176.89	176.74	176.62	176.45	176.47
6	177.05	176.90	176.90	176.89	176.88	176.94	176.91	176.85	176.74	176.60	176.48	176.50
7	177.01	176.91	176.88	176.88	176.88	176.93	176.90	176.81	176.73	176.63	176.51	176.54
8	176.97	176.89	176.90	176.90	176.90	176.87	176.88	176.80	176.74	176.64	176.54	176.54
9	177.00	176.93	176.98	176.91	176.83	176.88	176.89	176.86	176.72	176.60	176.53	176.51
10	177.08	176.89	176.97	176.91	176.90	176.90	176.89	176.84	176.72	176.52*	176.54	176.44
11	177.02	176.95	176.92	176.95	176.91	176.93	176.88	176.87	176.76	/	176.52	176.49
12	176.95	176.92	176.89	176.92	176.88	176.88	176.88	176.85	176.74	/	176.49	176.48
13	177.04	176.94	176.90	176.92	176.93	176.90	176.84	176.82	176.69	/	176.51	176.42
14	177.02	177.02	176.94	176.97	176.91	176.91	176.84	176.87	176.69	176.52*	176.52	176.46
15	176.98	176.98	176.95	176.98	176.87	176.88	176.88	176.86	176.71	176.60	176.59	176.62
16	176.97	176.97	176.95	176.93	176.89	176.89	176.88	176.84	176.73	176.64	176.60	176.56
17	177.01	176.99	176.91	176.94	176.89	176.92	176.84	176.81	176.80	176.60	176.57	176.50
18	176.96	176.95	176.94	176.93	176.97	176.92	176.82	176.80	176.83	176.55	176.46	176.51
19	176.99	176.93	176.93	176.93	176.99	176.89	176.87	176.80	176.79	176.57	176.39	176.48
20	176.99	176.93	176.88	176.94	176.94	176.93	176.84*	176.81	176.79	176.60	176.42	176.52
21	176.95	176.94	176.90	176.89	176.95	176.95	176.84	176.83	/	176.60	176.51	176.41
22	176.96	176.94	176.90	176.98	176.92	176.91	176.84*	176.77	176.79*	176.61	176.50	176.48
23	176.89	176.92	176.91	176.95	176.92	176.92	176.84	176.76	176.73	176.63	176.50	176.50
24	176.82	176.90	176.94	176.92	176.89	176.91	176.81	176.77	176.74	176.57	176.46	176.55
25	176.88	176.92	176.95	176.93	176.92	176.91	176.82	176.76	176.72	176.56	176.55	176.51
26	176.96	176.93	176.88	176.94	176.97	176.88	176.81	176.83	176.70	176.56	176.54	176.47
27	176.92	176.95	176.89	176.90	176.93	176.88	176.83	176.82	176.74	176.54	176.54	176.46
28	176.95	176.95	176.88	176.86	176.93	176.88	176.82	176.81*	176.68	176.54	176.61	176.55
29	177.01		176.92	176.88	176.91	176.89	176.84	/	176.65	176.58	176.61	176.54
30	177.02		176.86	176.86	176.91	176.88	176.83	/	176.66	176.54	176.53	176.54
31	176.96		176.84		176.91		176.89	176.71*		176.56		176.43
MEAN	176.99	176.94	176.92	176.92	176.91	176.90	176.86	176.82	176.73	176.59	176.53	176.50
MAX.	177.16	177.06	177.13	177.06	177.05	177.01	177.02	176.96	176.90	176.75	176.74	176.76
	0800/06	1700/15	0800/01	0400/15	2300/18	1100/06	0500/07	2300/21	1600/18	1300/03	0100/29	0900/15
MIN.	176.78	176.76	176.78	176.77	176.78	176.78	176.74	176.67	176.58	176.43	176.34	176.35
	0100/25	0700/08	0300/31	1500/21	0500/02	1000/08	0300/30	2300/31	1300/13	1200/24	2100/19	2100/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.80

ANNUAL SUMMARY OF LEVELS, 1987

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.97	Jan	176.48	Dec
Daily mean elevation:	177.07	10 Jan	176.36	19 Nov
Instant/hourly elevation:	177.11	1000/1 Mar	176.32	1600/21 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.07	10 Jan
176.99	14 Feb
177.04	1 Mar
176.97	15 Apr
176.97	19 May
176.93	21 Jun
176.91	2 Jul
176.89	1 Aug
176.82	18 Sep
176.67	3 Oct
176.62	2 Nov
176.56	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.80	24 Jan
176.85	10 Feb
176.82	31 Mar
176.84	28 Apr
176.83	9 May
176.86	15 Jun
176.78	21 Jul
176.71	31 Aug
176.64	30 Sep
176.52	30 Oct
176.36	19 Nov
176.38	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.05	2												177.05	2
177.00	7		1										177.00	10
176.95	13	4		3	1								176.95	31
176.90	6	16	11	11	11	10	1						176.90	97
176.85	1	6	16	13	17	20	12	3					176.85	185
176.80	1	2	3	3	2		17	15	1				176.80	229
176.75	1						1	8	5				176.75	244
176.70								5	14				176.70	263
176.65									9	1			176.65	273
176.60									1	8	2		176.60	284
176.55										14	6	1	176.55	305
176.50										8	10	9	176.50	332
176.45											7	9	176.45	348
176.40											4	11	176.40	363
176.35											1	1	176.35	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.02	176.97	177.04	176.92	176.88	176.91	176.88	176.89	176.70	176.64	176.61	176.52
2	177.07	176.94	176.90	176.96	176.90	176.90	176.91	176.86	176.75	176.59	176.62	176.45
3	177.03	176.93	176.83	176.89	176.92	176.89	176.87	176.83	176.74	176.67	176.59	176.45
4	177.03	176.88	176.91	176.86	176.90	176.87	176.85	176.83	176.72	176.61	176.53	176.48
5	177.02	176.90	176.92	176.85	176.89	176.88	176.90	176.87	176.73	176.61	176.44	176.45
6	177.04	176.89	176.89	176.87	176.87	176.92	176.90	176.82	176.73	176.60	176.46	176.49
7	176.99	176.91	176.88	176.88	176.87	176.92	176.88	176.79	176.72	176.62	176.49	176.53
8	176.97	176.85	176.88	176.89	176.88	176.87	176.88	176.78	176.73	176.62	176.53	176.52
9	176.99	176.90	176.94	176.89	176.83	176.88	176.88	176.85	176.72	176.56	176.52	176.52
10	177.07	176.85	176.94	176.90	176.88	176.88	176.88	176.83	176.72	176.55	176.52	176.42
11	177.00	176.95	176.90	176.94	176.90	176.91	176.86	176.85	176.75	176.59	176.49	176.49
12	176.93	176.90	176.88	176.90	176.86	176.88	176.88	176.82	176.74	176.57	176.49	176.47
13	177.02	176.92	176.89	176.87	176.90	176.91	176.84	176.81	176.70	176.59	176.51	176.42
14	177.01	176.99	176.92	176.94	176.88	176.90	176.84	176.85	176.69	176.53	176.51	176.45
15	176.96	176.95	176.93	176.97	176.85	176.86	176.85	176.84	176.68	176.59	176.58	176.56
16	176.95	176.96	176.92	176.92	176.88	176.89	176.85	176.84	176.71	176.63	176.56	176.54
17	176.98	176.97	176.88	176.92	176.88	176.91	176.82	176.81	176.80	176.59	176.56	176.49
18	176.97	176.94	176.91	176.92	176.95	176.91	176.81	176.80	176.82	176.53	176.43	176.46
19	176.98	176.92	176.91	176.93	176.97	176.88	176.86	176.81	176.77	176.56	176.36	176.44
20	176.98	176.92	176.86	176.93	176.92	176.93	176.82	176.79	176.77	176.57	176.41	176.51
21	176.94	176.93	176.88	176.88	176.93	176.93	176.78	176.82	176.79	176.59	176.48	176.38
22	176.93	176.94	176.89	176.96	176.91	176.91	176.83	176.76	176.78	176.61	176.49	176.45
23	176.85	176.92	176.89	176.93	176.91	176.90	176.81	176.75	176.70	176.63	176.50	176.48
24	176.80	176.89	176.92	176.90	176.89	176.90	176.81	176.75	176.72	176.58	176.45	176.55
25	176.87	176.92	176.93	176.92	176.92	176.90	176.83	176.74	176.69	176.55	176.54	176.50
26	176.96	176.92	176.87	176.92	176.95	176.88	176.82	176.79	176.67	176.53	176.51	176.45
27	176.93	176.92	176.89	176.90	176.91	176.88	176.83	176.81	176.73	176.52	176.53	176.43
28	176.93	176.95	176.87	176.84	176.91	176.87	176.83	176.80	176.68	176.53	176.60	176.53
29	176.99		176.89	176.86	176.91	176.88	176.83	176.77	176.67	176.56	176.60	176.52
30	177.00		176.84	176.85	176.89	176.88	176.83	176.73	176.64	176.52	176.52	176.50
31	176.96		176.82		176.89		176.88	176.71		176.56		176.41
MEAN	176.97	176.92	176.90	176.90	176.90	176.89	176.85	176.81	176.73	176.58	176.51	176.48
MAX.	177.11	177.03	177.11	177.09	177.01	177.00	176.95	176.98	176.85	176.73	176.68	176.73
	0200/11	0500/14	1000/01	0700/15	0100/22	0900/01	1800/12	2100/01	2400/17	1500/03	0700/29	1700/15
MIN.	176.74	176.71	176.76	176.77	176.71	176.81	176.63	176.67	176.59	176.48	176.32	176.32
	1000/24	1000/08	0400/31	1700/21	2300/09	2300/28	1800/20	0300/31	0800/30	0100/27	1300/19	1600/21

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

/ Indicates No Data.

ANNUAL MEAN: 176.79

ANNUAL SUMMARY OF LEVELS, 1987

Station 7079: Green Bay, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	176.95	Jan	176.45	Dec
Daily mean elevation:	177.17	18 May	176.22	31 Dec
Instant/hourly elevation:	177.39	0800/18 May	176.01	0500/19 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.14	10 Jan
176.99	14 Feb
177.04	9 Mar
177.08	14 Apr
177.17	18 May
177.00	20 Jun
176.90	31 Jul
176.92	9 Aug
176.93	17 Sep
176.72	2 Oct
176.68	28 Nov
176.82	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.77	24 Jan
176.80	8 Feb
176.75	31 Mar
176.82	28 Apr
176.77	9 May
176.83	28 Jun
176.76	23 Jul
176.65	30 Aug
176.33	30 Sep
176.42	1 Oct
176.25	19 Nov
176.22	31 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.15					1								177.15	1
177.10	1												177.10	2
177.05	1			1									177.05	4
177.00	4		3	3	2								177.00	16
176.95	11	4		2	1	2							176.95	36
176.90	9	10	11	6	8	2		1	2				176.90	85
176.85	2	12	10	15	13	22	10	6	1				176.85	176
176.80	1	1	5	3	5	4	16	6				1	176.80	218
176.75	2	1	1		1		5	11	3				176.75	242
176.70			1					4	9	1			176.70	257
176.65								2	9	1	2		176.65	271
176.60								1	5	6	3		176.60	286
176.55										7	4	2	176.55	299
176.50										7	7	5	176.50	318
176.45										7	5	5	176.45	335
176.40										2	3	9	176.40	349
176.35											4	3	176.35	356
176.30									1		1	4	176.30	362
176.25													176.25	362
176.20											1	2	176.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7079: Green Bay, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.03	176.96	177.04	176.95	176.85	176.88	176.88	176.88	176.69	176.42	176.64	176.53
2	177.08	176.95	176.84	177.04	176.97	176.88	176.87	176.85	176.74	176.72	176.63	176.38
3	177.01	176.90	176.79	176.86	177.01	176.83	176.88	176.80	176.70	176.62	176.56	176.49
4	176.97	176.86	176.91	176.84	176.91	176.84	176.84	176.89	176.68	176.50	176.48	176.48
5	176.96	176.87	176.93	176.90	176.88	176.89	176.89	176.87	176.71	176.52	176.38	176.45
6	177.04	176.88	176.88	176.88	176.84	176.88	176.88	176.77	176.72	176.60	176.37	176.49
7	176.96	176.90	176.85	176.88	176.86	176.89	176.87	176.77	176.76	176.70	176.46	176.53
8	176.88	176.80	176.91	176.88	176.86	176.89	176.85	176.79	176.74	176.56	176.58	176.52
9	176.96	176.89	177.04	176.87	176.77	176.88	176.85	176.92	176.70	176.48	176.52	176.47
10	177.14	176.83	176.95	176.88	176.92	176.87	176.87	176.86	176.68	176.56	176.54	176.35
11	176.91	176.94	176.88	176.95	176.88	176.86	176.85	176.83	176.74	176.54	176.37	176.45
12	176.90	176.90	176.86	176.92	176.87	176.86	176.86	176.79	176.71	176.53	176.44	176.38
13	177.01	176.93	176.88	176.90	176.85	176.88	176.88	176.80	176.66	176.56	176.48	176.33
14	177.00	176.99	176.92	177.08	176.88	176.89	176.82	176.88	176.64	176.48	176.51	176.43
15	176.99	176.95	176.93	176.99	176.84	176.86	176.85	176.83	176.67	176.63	176.55	176.82
16	176.91	176.94	176.92	176.92	176.81	176.86	176.79	176.81	176.73	176.61	176.54	176.54
17	176.98	176.96	176.88	176.90	176.95	176.90	176.77	176.76	176.93	176.57	176.52	176.45
18	176.95	176.92	176.93	176.90	177.17	176.89	176.78	176.76	176.89	176.48	176.35	176.31
19	176.97	176.90	176.91	176.91	177.02	176.94	176.81	176.78	176.73	176.54	176.25	176.45
20	176.96	176.91	176.85	176.90	176.92	177.00	176.80	176.75	176.77	176.57	176.40	176.43
21	176.94	176.92	176.87	177.05	176.92	176.99	176.82	176.80	176.92	176.63	176.45	176.25
22	176.92	176.93	176.88	177.02	176.93	176.92	176.81	176.78	176.78	176.62	176.45	176.44
23	176.79	176.90	176.89	176.97	176.90	176.88	176.76	176.75	176.67	176.62	176.47	176.45
24	176.77	176.87	176.94	176.92	176.88	176.88	176.81	176.70	176.74	176.55	176.48	176.58
25	176.84	176.90	176.94	176.90	176.93	176.90	176.83	176.71	176.63	176.49	176.66	176.50
26	176.94	176.90	176.85	176.90	176.95	176.84	176.85	176.84	176.65	176.44	176.57	176.34
27	176.92	176.92	176.87	176.88	176.89	176.86	176.81	176.86	176.70	176.49	176.55	176.42
28	176.92	176.96	176.90	176.82	176.89	176.83	176.82	176.81	176.64	176.52	176.68	176.60
29	176.99		177.03	176.88	176.89	176.87	176.83	176.73	176.64	176.53	176.61	176.55
30	176.98		176.84	176.84	176.88	176.87	176.85	176.65	176.33	176.50	176.58	176.39
31	176.95		176.75		176.86		176.90	176.68		176.58		176.22
MEAN	176.95	176.91	176.90	176.92	176.90	176.88	176.84	176.80	176.71	176.55	176.50	176.45
MAX.	177.34	177.19	177.32	177.29	177.39	177.16	177.24	177.12	177.15	177.14	176.88	177.24
	0500/10	0600/13	0500/09	2000/01	0800/18	2200/04	1200/21	2300/01	2000/17	1500/02	1300/25	1100/15
MIN.	176.44	176.49	176.54	176.55	176.61	176.70	176.42	176.51	176.01	176.10	176.01	176.03
	0100/23	0600/08	0300/31	2200/27	0200/11	1300/08	0600/21	0300/30	1500/30	0200/01	0500/19	0600/31

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

/ Indicates No Data.

ANNUAL MEAN: 176.78

ANNUAL SUMMARY OF LEVELS, 1987

Station 7096: Port Inland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.94	Jan	176.46	Dec
Daily mean elevation:	177.07	1 Jan	176.35	20 Nov
Instant/hourly elevation:	177.13	2100/1 Jan	176.12	1000/15 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.07	1 Jan
176.97	1 Feb
176.96	1 Mar
176.92	1 Apr
176.90	26 May
176.91	11 Jun
176.88	19 Jul
176.86	1 Aug
176.73	18 Sep
176.71	1 Oct
176.59	2 Nov
176.58	30 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.78	24 Jan
176.70	8 Feb
176.78	9 Mar
176.77	5 Apr
176.81	17 May
176.81	8 Jun
176.74	14 Jul
176.67	31 Aug
176.56	30 Sep
176.49	30 Oct
176.35	20 Nov
176.37	27 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.05	1												177.05	1
177.00	4												177.00	5
176.95	8	1	1										176.95	15
176.90	9	7		1		1							176.90	33
176.85	6	9	8	3	9	16	7	1					176.85	92
176.80	2	10	17	9	6	13	16	9					176.80	174
176.75	1		5	1			7	11					176.75	199
176.70							1	8	11	1			176.70	220
176.65		1						2	13				176.65	236
176.60									5	4			176.60	245
176.55									1	9	6	2	176.55	263
176.50										11	5	3	176.50	282
176.45										6	9	6	176.45	303
176.40											7	17	176.40	327
176.35											2	3	176.35	332
176.30											1		176.30	333

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 7096: Port Inland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	177.07	176.97	176.96	176.92	/	176.88	176.83	176.86	176.66	176.71	176.57	176.44
2	177.01	176.91	176.84	176.85	/	176.90	176.87	176.82	176.69	176.49	176.59	176.42
3	176.99	176.88	176.78	176.82	/	176.86	176.82	176.79	176.71	176.61	176.57	176.40
4	177.00	176.83	176.87	176.81	/	176.86	176.79	176.72	176.73	176.63	176.56	176.43
5	177.02	176.91	176.90	176.77	/	176.84	176.85	176.79	176.73	176.64	176.43	176.39
6	177.02	176.91	176.88	176.81	/	176.88	176.85	176.82	176.72	176.57	176.47	176.44
7	176.94	176.92	176.86	176.81	/	176.90	176.84	176.77	176.67	176.50	176.48	176.49
8	176.95	176.70	176.78	176.84	/	176.81	176.85	176.77	176.69	176.56	176.47	176.50
9	176.97	176.92	176.78	176.85	/	176.82	176.87	176.80	176.67	176.57	176.47	176.52
10	176.97	176.83	176.86	176.86	/	176.84	176.86	176.76	176.69	176.50	176.46	176.43
11	177.00	176.91	176.86	176.88	/	176.91	176.86	176.81	176.72	176.56	176.52	176.49
12	176.90	176.84	176.81	176.85	/	176.86	176.87	176.81	176.72	176.55	176.48	176.49
13	177.01	176.86	176.83	176.83	/	176.88	176.78	176.78	176.68	176.60	176.48	176.42
14	176.97	176.88	176.83	176.86	/	176.88	176.74	176.81	176.67	176.56	176.45	176.42
15	176.88	176.84	176.84	/	/	176.83	176.80	176.83	176.67	176.55	176.54	176.41
16	176.90	176.85	176.83	/	/	176.85	176.84	176.84	176.68	176.62	176.56*	176.43
17	176.97	176.88	176.81	/	176.81*	176.87	176.86	176.82	176.71	176.54	176.56*	176.43
18	176.94	176.86	176.82	/	176.83	176.88	176.81	176.79	176.73	176.52	176.44	176.57
19	176.91	176.86	176.84	/	176.89	176.84	176.88	176.79	176.72	176.54	176.40	176.43
20	176.98	176.88	176.81	/	176.84	176.87	176.83	176.80	176.72	176.55	176.35	176.55
21	176.94	176.88	176.82	/	176.88	176.87	176.82	176.83	176.70	176.52	176.45	176.43
22	176.89	176.91	176.83	/	176.87	176.85	176.85	176.71	176.70	176.56	176.51	176.44
23	176.83	176.86	176.84	/	176.84	176.85	176.85	176.67	176.65	176.56	176.50	176.47
24	176.78	176.83	176.86	/	176.83	176.87	176.82	176.71	176.62	176.51	176.38	176.49
25	176.84	176.84	176.89	/	176.85	176.88	176.83	176.71	176.65	176.52	176.44	176.45
26	176.95	176.84	176.83	/	176.90	176.85	176.79	176.75	176.62	176.57	176.45	176.45
27	176.93	176.85	176.84	/	176.86	176.82	176.78	176.74	176.71	176.51	176.47	176.37
28	176.89	176.85	176.81	/	176.87	176.83	176.80	176.73	176.68	176.49	176.51	176.45
29	176.94		176.83	/	176.87	176.87	176.82	176.75	176.64	176.52	176.54	176.44
30	176.95		176.79	/	176.87	176.82	176.80	176.77	176.56	176.49	176.42	176.58
31	176.90		176.79		176.86		176.84	176.67		176.50		176.52
MEAN	176.94	176.87	176.84	176.84	176.86	176.86	176.83	176.77	176.68	176.55	176.48	176.46
MAX.	177.13	177.07	177.06	176.99	177.01	176.99	177.01	176.96	176.80	176.92	176.75	176.77
	2100/01	2100/07	1000/01	0700/01	0400/22	0300/07	2300/20	0300/17	1100/18	1300/01	1500/17	1500/18
MIN.	176.76	176.39	176.59	176.69	176.76	176.74	176.68	176.61	176.46	176.38	176.26	176.12
	2200/24	0900/08	2200/08	0500/05	0800/18	1000/08	2100/20	0100/23	1700/30	0400/10	0100/20	1000/15

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

/ Indicates No Data.

ANNUAL MEAN: 176.75

ANNUAL SUMMARY OF LEVELS, 1987

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.23	Jan	183.01	Dec
Daily mean elevation:	183.32	22 Aug	182.83	30 Dec
Instant/hourly elevation:	183.48	0500/2 Oct	182.73	1700/16 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.31	24 Jan
183.28	8 Feb
183.21	2 Mar
183.13	29 Apr
183.09	22 May
183.15	8 Jun
183.19	26 Jul
183.32	22 Aug
183.22	1 Sep
183.27	2 Oct
183.20	5 Nov
183.11	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.09	29 Jan
183.06	28 Feb
183.00	24 Mar
182.98	19 Apr
182.93	13 May
183.05	17 Jun
183.04	2 Jul
183.08	1 Aug
183.08	27 Sep
183.02	26 Oct
182.92	16 Nov
182.83	30 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.30	1							1					183.30	2
183.25	9	1						2		1			183.25	15
183.20	12	3	1					5	1	1			183.20	38
183.15	7	4					7	11	14	3	1		183.15	85
183.10	1	6	4	2		4	13	8	13	8	5	1	183.10	150
183.05	1	14	10	7	5	23	9	4	2	11	3	5	183.05	244
183.00			14	16	18	3	2			7	14	14	183.00	332
182.95			2	5	7						5	7	182.95	358
182.90					1						2	3	182.90	364
182.85													182.85	364
182.80												1	182.80	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.26	183.14	183.09	183.01	183.04	183.05	183.07	183.08	183.22	183.11	183.01	183.06
2	183.25	183.17	183.21	183.09	183.03	183.07	183.04	183.17	183.20	183.27	183.00	183.06
3	183.23	183.22	183.14	183.04	183.03	183.10	183.12	183.16	183.14	183.13	183.04	183.06
4	183.22	183.21	183.04	183.04	183.01	183.08	183.11	183.22	183.09	183.09	183.12	183.07
5	183.20	183.19	183.06	183.07	183.00	183.09	183.05	183.15	183.11	183.12	183.20	183.04
6	183.24	183.20	183.05	183.07	183.04	183.05	183.06	183.10	183.16	183.22	183.15	182.99
7	183.29	183.13	183.08	183.06	183.02	183.08	183.07	183.18	183.17	183.20	183.05	182.93
8	183.26	183.28	183.12	183.03	183.00	183.15	183.07	183.15	183.16	183.09	183.11	182,95
9	183.21	183.15	183.09	183.00	183.03	183.11	183.06	183.15	183.17	183.17	183.08	183.03
10	183.25	183.16	183.05	183.01	182.97	183.08	183.09	183.18	183.12	183.15	183.04	183.03
11	183.27	183.10	183.05	183.03	183.05	183.06	183.09	183.09	183.14	183.10	183.02	182.97
12	183.27	183.22	183.10	183.04	182.99	183.09	183.11	183.10	183.15	183.08	183.01	183.03
13	183.17	183.08	183.04	183.02	182.93	183.09	183.18	183.15	183.18	183.04	183.05	183.05
14	183.26	183.12	183.07	183.03	183.03	183.10	183.18	183.14	183.18	183.09	183.01	183.03
15	183.30	183.11	183.04	183.02	182.98	183.10	183.12	183.14	183.15	183.05	182.92	183.04
16	183.25	183.09	183.04	183.01	182.98	183.10	183.07	183.15	183.15	183.04	182.92	183.11
17	183.19	183.09	183.04	183.00	183.04	183.05	183.08	183.22	183.13	183.16	183.04	183.02
18	183.25	183.09	183.02	183.01	183.03	183.08	183.13	183.20	183.13	183.11	183.09	182.95
19	183.19	183.09	183.04	182.98	183.00	183.10	183.11	183.23	183.12	183.10	183.13	182.98
20	183.21	183.08	183.06	182.99	183.04	183.08	183.16	183.19	183.14	183.08	183.11	183.04
21	183.18	183.06	183.03	183.09	183.01	183.08	183.15	183.18	183.18	183.11	183.00	183.06
22	183.30	183.08	183.02	183.02	183.09	183.08	183.12	183.32	183.17	183.05	182.96	183.01
23	183.30	183.11	183.00	183.07	183.08	183.07	183.14	183.30	183.19	183.06	183.04	183.01
24	183.31	183.10	183.00	183.03	183.07	183.08	183.16	183.24	183.20	183.09	183.04	182.98
25	183.22	183.08	183.03	183.01	183.04	183.08	183.16	183.22	183.17	183.05	183.01	183.04
26	183.18	183.07	183.06	182.99	183.03	183.10	183.19	183.19	183.14	183.02	183.01	183.00
27	183.18	183.07	183.03	183.12	183.04	183.12	183.18	183.18	183.08	183.14	182.99	183.02
28	183.21	183.06	183.07	183.04	183.04	183.08	183.15	183.18	183.11	183.10	182.97	182.97
29	183.09		183.11	183.13	183.05	183.10	183.15	183.15	183.18	183.06	183.01	182.97
30	183.21		183.11	183.07	183.06	183.11	183.15	183.19	183.20	183.11	183.07	182.83
31	183.14		183.07		183.08		183.11	183.26		183.05		183.02
MEAN	183.23	183.13	183.06	183.04	183.03	183.09	183.12	183.18	183.15	183.10	183.04	183.01
MAX.	183.42	183.46	183.27	183.25	183.22	183.24	183.36	183.47	183.28	183.48	183.35	183.24
	0200/07	0500/08	2400/02	1200/29	1000/17	0800/08	0500/21	0200/22	2100/29	0500/02	2100/05	1300/31
MIN.	183.02	182.98	182.93	182.89	182.73	182.93	182.85	183.00	183.00	182.94	182.85	182.76
	1100/29	0600/27	0200/24	2100/20	1700/16	2000/06	1700/20	1900/01	0800/27	0100/16	0900/16	0800/30

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

/ Indicates No Data.

ANNUAL MEAN: 183.10

ANNUAL SUMMARY OF LEVELS, 1987

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.25	Jan	183.03	Dec
Daily mean elevation:	183.30	2 Jan	182.95	30 Dec
Instant/hourly elevation:	183.44	0500/8 Feb	182.84	2400/16 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.30	2 Jan
183.28	8 Feb
183.18	3 Mar
183.11	2 Apr
183.13	22 May
183.13	27 Jun
183.20	26 Jul
183.27	22 Aug
183.23	21 Sep
183.27	2 Oct
183.13	5 Nov
183.10	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.19	31 Jan
183.11	26 Feb
183.06	23 Mar
183.05	20 Apr
183.01	13 May
183.11	30 Jun
183.10	6 Jul
183.17	12 Aug
183.15	27 Sep
183.07	26 Oct
183.01	15 Nov
182.95	30 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.25	14	1						1		1			183.25	17
183.20	13	3						15	6	2			183.20	56
183.15	4	9	3				16	15	22	2			183.15	127
183.10		15	9	2	5	30	13		2	19	3		183.10	225
183.05			19	26	14		2			7	15	5	183.05	313
183.00				2	12						12	23	183.00	362
182.95												2	182.95	364
182.90												1	182.90	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.30	183.19	183.16	183.11	183.06	183.11	183.11	183.17	183.21	183.16	183.08	183.08
2	183.30	183.20	183.17	183.11	183.06	183.12	183.10	183.19	183.20	183.27	183.07	183.05
3	183.26	183.21	183.18	183.08	183.06	183.11	183.12	183.21	183.17	183.16	183.08	183.07
4	183.25	183.21	183.11	183.06	183.06	183.12	183.11	183.24	183.15	183.13	183.09	183.06
5	183.25	183.18	183.11	183.07	183.05	183.12	183.11	183.21	183.18	183.14	183.13	183.05
6	183.29	183.19	183.10	183.07	183.05	183.12	183.10	183.17	183.20	183.21	183.10	183.03
7	183.29	183.19	183.11	183.07	183.05	183.12	183.11	183.19	183.19	183.22	183.07	183.01
8	183.26	183.28	183.15	183.06	183.04	183.13	183.11	183.20	183.20	183.13	183.08	183.01
9	183.26	183.18	183.15	183.06	183.04	183.12	183.13	183.19	183.18	183.13	183.08	183.05
10	183.29	183.17	183.11	183.07	183.04	183.11	183.13	183.19	183.18	183.13	183.06	183.04
11	183.27	183.15	183.09	183.07	183.05	183.12	183.12	183.17	183.19	183.11	183.04	183.03
12	183.26	183.21	183.11	183.07	183.03	183.12	183.15	183.17	183.20	183.12	183.03	183.04
13	183.24	183.17	183.10	183.07	183.01	183.13	183.17	183.20	183.20	183.10	183.05	183.04
14	183.26	183.17	183.10	183.07	183.04	183.13	183.17	183.20	183.20	183.11	183.04	183.04
15	183.27	183.15	183.09	183.07	183.03	183.12	183.15	183.20	183.19	183.12	183.01	183.10
16	183.24	183.15	183.08	183.06	183.03	183.12	183.12	183.19	183.20	183.11	183.02	183.09
17	183.21	183.14	183.07	183.06	183.08	183.12	183.12	183.21	183.20	183.13	183.09	183.04
18	183.22	183.13	183.08	183.06	183.08	183.12	183.16	183.24	183.18	183.12	183.08	182.99
19	183.24	183.13	183.08	183.05	183.08	183.12	183.18	183.24	183.19	183.11	183.09	183.02
20	183.22	183.13	183.08	183.05	183.08	183.13	183.17	183.21	183.22	183.13	183.11	183.03
21	183.22	183.12	183.08	183.09	183.09	183.12	183.19	183.22	183.23	183.14	183.04	183.02
22	183.28	183.15	183.07	183.08	183.13	183.11	183.17	183.27	183.20	183.12	183.03	183.03
23	183.28	183.14	183.06	183.08	183.12	183.11	183.18	183.25	183.21	183.10	183.07	183.02
24	183.25	183.13	183.07	183.07	183.10	183.11	183.19	183.22	183.21	183.11	183.07	183.05
25	183.23	183.12	183.09	183.06	183.09	183.11	183.20	183.23	183.18	183.08	183.05	183.04
26	183.20	183.11	183.08	183.06	183.10	183.12	183.20	183.22	183.17	183.07	183.04	183.01
27	183.19	183.12	183.08	183.08	183.10	183.13	183.19	183.21	183.15	183.11	183.04	183.02
28	183.21	183.14	183.08	183.06	183.10	183.12	183.19	183.20	183.16	183.11	183.04	183.02
29	183.19		183.13	183.08	183.11	183.12	183.18	183.20	183.18	183.08	183.07	183.01
30	183.22		183.11	183.07	183.11	183.11	183.19	183.21	183.21	183.10	183.11	182.95
31	183.19		183.08		183.11		183.18	183.23		183.09		183.00
MEAN	183.25	183.16	183.10	183.07	183.07	183.12	183.15	183.21	183.19	183.13	183.07	183.03
MAX.	183.35	183.44	183.24	183.19	183.21	183.22	183.33	183.37	183.26	183.39	183.19	183.18
	2100/11	0500/08	0300/09	0500/21	1400/22	2200/06	1300/20	0500/22	2200/05	0600/02	2300/17	1300/15
MIN.	183.11	183.07	183.02	182.97	182.84	183.05	183.01	183.07	183.10	183.01	182.96	182.89
	1700/31	0800/27	0200/24	2300/20	2400/16	0300/07	0600/17	0600/30	1300/27	2000/29	0100/17	1000/30

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

/ Indicates No Data.

ANNUAL MEAN: 183.13

ANNUAL SUMMARY OF LEVELS, 1987
Station 9044: Ontonagon, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.27	Jan	183.05	Dec
Daily mean elevation:	183.32	6 Jan	183.00	26 Dec
Instant/hourly elevation:	183.33	1500/6 Jan	182.94	1500/26 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.32	6 Jan
183.24	1 Feb
183.19	1 Mar
183.13	1 Apr
183.17	30 May
183.19	6 Jun
183.23	30 Jul
183.27	21 Aug
183.23	5 Sep
183.20	1 Oct
183.12	1 Nov
183.08	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.22	28 Jan
183.16	19 Feb
183.08	30 Mar
183.06	27 Apr
183.05	11 May
183.13	24 Jun
183.15	8 Jul
183.21	4 Aug
183.18	30 Sep
183.11	31 Oct
183.04	11 Nov
183.00	26 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.30	3												183.30	3
183.25	15							6					183.25	24
183.20	13	7					10	25	20				183.20	99
183.15		21	6		4	15	17		10	11			183.15	183
183.10			19	3	9	15	4			20	2		183.10	255
183.05			6	27	17						26	15	183.05	346
183.00					1						2	15	183.00	364
182.95												1	182.95	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9044: Ontonagon, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.31	183.24	183.19	183.13	183.09	183.17	183.15	183.22	183.22	183.20	183.12	183.06
2	183.31	183.23	183.14	183.07	183.09	183.14	183.16	183.22	183.22	183.17	183.11	183.06
3	183.29	183.21	183.14	183.08	183.08	183.14	183.15	183.23	183.22	183.17	183.10	183.07
4	183.29	183.21	183.17	183.08	183.08	183.16	183.15	183.21	183.22	183.18	183.08	183.05
5	183.30	183.19	183.17	183.08	183.08	183.17	183.16	183.22	183.23	183.18	183.10	183.05
6	183.32	183.20	183.17	183.07	183.07	183.19	183.16	183.23	183.22	183.18	183.08	183.06
7	183.28	183.23	183.18	183.08	183.08	183.18	183.16	183.22	183.22	183.15	183.10	183.07
8	183.27	183.20	183.18	183.09	183.07	183.15	183.15	183.23	183.22	183.17	183.08	183.07
9	183.30	183.18	183.12	183.10	183.06	183.16	183.17	183.22	183.21	183.16	183.07	183.07
10	183.30	183.20	183.12	183.09	183.10	183.16	183.17	183.22	183.22	183.14	183.06	183.07
11	183.26	183.21	183.11	183.10	183.05	183.18	183.17	183.22	183.22	183.14	183.04	183.08
12	183.28	183.18	183.11	183.09	183.07	183.17	183.17	183.23	183.22	183.15	183.07	183.08
13	183.29	183.21	183.12	183.10	183.08	183.18	183.17	183.25	183.22	183.15	183.06	183.06
14	183.27	183.19	183.12	183.10	183.06	183.16	183.17	183.25	183.22	183.14	183.07	183.07
15	183.26	183.18	183.12	183.10	183.07	183.16	183.18	183.24	183.22	183.16	183.09	183.08
16	183.26	183.18	183.12	183.10	183.08	183.16	183.19	183.26	183.22	183.18	183.09	183.04
17	183.25	183.18	183.11	183.10	183.10	183.17	183.19	183.25	183.22	183.15	183.09	183.04
18	183.25	183.17	183.13	183.10	183.09	183.15	183.21	183.27	183.20	183.15	183.06	183.04
19	183.27	183.16	183.11	183.12	183.12	183.15	183.22	183.26	183.21	183.14	183.09	183.05
20	183.25	183.17	183.10	183.10	183.11	183.16	183.19	183.26	183.22	183.16	183.09	183.03
21	183.26	183.18	183.11	183.08	183.13	183.15	183.21	183.27	183.20	183.13	183.08	183.05
22	183.25	183.18	183.11	183.10	183.11	183.14	183.22	183.25	183.18	183.15	183.08	183.06
23	183.25	183.17	183.12	183.08	183.11	183.15	183.21	183.25	183.19	183.14	183.07	183.04
24	183.23	183.17	183.13	183.10	183.12	183.13	183.22	183.25	183.19	183.13	183.07	183.07
25	183.24	183.17	183.14	183.11	183.15	183.15	183.21	183.26	183.19	183.12	183.07	183.04
26	183.23	183.17	183.09	183.10	183.15	183.14	183.20	183.25	183.21	183.12	183.05	183.00
27	183.22	183.17	183.11	183.06	183.15	183.15	183.20	183.22	183.20	183.12	183.06	183.04
28	183.22	183.20	183.10	183.08	183.16	183.15	183.22	183.22	183.20	183.12	183.08	183.04
29	183.25		183.09	183.08	183.16	183.15	183.20	183.22	183.19	183.11	183.08	183.04
30	183.24		183.08	183.08	183.17	183.14	183.23	183.23	183.18	183.11	183.08	183.05
31	183.25		183.10		183.16		183.21	183.22		183.11		183.04
MEAN	183.27	183.19	183.13	183.09	183.10	183.16	183.19	183.24	183.21	183.15	183.08	183.05
MAX.	183.33	183.26	183.23	183.23	183.19	183.22	183.30	183.30	183.27	183.32	183.17	183.14
	1500/06	0200/08	0400/01	1100/01	1700/30	0300/07	2400/21	1500/18	1900/05	0200/02	0900/17	1200/15
MIN.	183.20	183.16	183.06	183.00	182.99	183.09	183.07	183.17	183.16	183.07	183.00	182.94
	2400/27	0300/20	2200/29	1100/27	1100/14	0800/22	1300/20	0100/11	1400/30	2100/29	1900/18	1500/26

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

/ Indicates No Data.

ANNUAL MEAN: 183.16

ANNUAL SUMMARY OF LEVELS, 1987
Station 9064: Duluth, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	183.27	Aug	Monthly mean elevation:	183.07	Dec
Daily mean elevation:	183.35	31 Jul	Daily mean elevation:	182.97	31 Dec
Instant/hourly elevation:	183.44	1800/18 Jul	Instant/hourly elevation:	182.83	1300/26 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.34	4 Jan
183.33	28 Feb
183.26	18 Mar
183.18	25 Apr
183.25	18 May
183.22	6 Jun
183.35	31 Jul
183.33	14 Aug
183.29	26 Sep
183.23	15 Oct
183.20	1 Nov
183.13	7 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.18	24 Jan
183.16	9 Feb
183.10	28 Mar
183.05	27 Apr
183.07	11 May
183.11	26 Jun
183.15	3 Jul
183.18	31 Aug
183.19	29 Sep
183.09	27 Oct
183.02	19 Nov
182.97	31 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.30	12	2					3	4					183.30	21
183.25	5	2	1				6	16	9				183.25	60
183.20	12	16	9		2	4	14	9	19	3			183.20	148
183.15	2	8	14	4	16	21	7	2	2	10	5		183.15	239
183.10			6	22	8	5	1			17	10	5	183.10	313
183.05			1	3	5					1	11	16	183.05	350
183.00				1							4	7	183.00	362
182.95												3	182.95	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9064: Duluth, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.33	183.23	183.21	183.18	183.14	183.21	183.20	183.32	183.23	183.15	183.20	183.07
2	183.34	183.26	183.12	183.10	183.17	183.17	183.19	183.26	183.24	183.17	183.16	183.06
3	183.31	183.19	183.16	183.13	183.16	183.15	183.15	183.25	183.26	183.18	183.14	183.09
4	183.34	183.20	183.23	183.13	183.13	183.18	183.19	183.28	183.26	183.21	183.05	183.07
5	183.33	183.17	183.20	183.12	183.11	183.20	183.23	183.30	183.25	183.14	183.06	183.10
6	183.32	183.17	183.19	183.11	183.09	183.22	183.22	183.28	183.22	183.13	183.08	183.11
7	183.28	183.24	183.17	183.13	183.11	183.19	183.19	183.24	183.24	183.16	183.12	183.13
8	183.26	183.18	183.23	183.13	183.10	183.16	183.18	183.27	183.22	183.22	183.09	183.11
9	183.32	183.16	183.19	183.14	183.09	183.18	183.21	183.25	183.23	183.11	183.08	183.04
10	183.31	183.23	183.17	183.13	183.17	183.20	183.23	183.29	183.25	183.13	183.10	183.09
11	183.21	183.23	183.15	183.14	183.07	183.21	183.22	183.31	183.22	183.14	183.05	183.08
12	183.29	183.19	183.16	183.14	183.12	183.17	183.20	183.28	183.22	183.17	183.09	183.04
13	183.31	183.31	183.20	183.13	183.13	183.20	183.19	183.29	183.21	183.17	183.07	183.04
14	183.28	183.30	183.23	183.16	183.08	183.17	183.22	183.33	183.22	183.13	183.14	183.07
15	183.24	183.25	183.22	183.15	183.12	183.18	183.25	183.31	183.23	183.23	183.16	183.08
16	183.25	183.25	183.21	183.14	183.14	183.19	183.26	183.29	183.27	183.19	183.16	183.02
17	183.25	183.23	183.22	183.15	183.16	183.21	183.23	183.24	183.28	183.15	183.09	183.08
18	183.25	183.21	183.26	183.15	183.25	183.18	183.32	183.28	183.29	183.12	183.04	183.05
19	183.31	183.21	183.22	183.18	183.19	183.20	183.30	183.25	183.27	183.14	183.02	183.11
20	183.22	183.21	183.18	183.12	183.17	183.20	183.29	183.27	183.27	183.16	183.06	183.00
21	183.31	183.23	183.21	183.13	183.20	183.19	183.27	183.27	183.24	183.15	183.13	183.05
22	183.22	183.19	183.18	183.15	183.18	183.18	183.28	183.21	183.22	183.19	183.13	183.08
23	183.19	183.21	183.20	183.13	183.16	183.19	183.25	183.22	183.22	183.17	183.08	183.06
24	183.18	183.22	183.20	183.15	183.18	183.16	183.25	183.23	183.23	183.15	183.14	183.11
25	183.24	183.22	183.17	183.18	183.22	183.15	183.25	183.28	183.22	183.14	183.12	183.04
26	183.22	183.22	183.14	183.13	183.20	183.11	183.25	183.29	183.29	183.11	183.11	182.97
27	183.21	183.22	183.15	183.05	183.19	183.14	183.25	183.25	183.27	183.09	183.12	183.08
28	183.25	183.33	183.10	183.11	183.19	183.16	183.28	183.26	183.23	183.13	183.16	183.07
29	183.32		183.11	183.09	183.18	183.15	183.25	183.26	183.19	183.15	183.11	183.08
30	183.21		183.11	183.10	183.18	183.16	183.31	183.18	183.20	183.12	183.09	183.08
31	183.30		183.17		183.19		183.35	183.18		183.16		182.97
MEAN	183.27	183.22	183.18	183.13	183.15	183.18	183.24	183.27	183.24	183.15	183.10	183.07
MAX.	183.43	183.40	183.39	183.33	183.34	183.29	183.44	183.41	183.35	183.32	183.29	183.26
	0900/13	1600/28	0300/01	0300/01	0900/18	2100/06	1800/18	0900/01	2400/19	1700/15	1600/01	0900/24
MIN.	183.10	183.10	183.04	182.93	182.93	183.04	183.07	183.08	183.12	183.01	182.91	182.83
	2100/11	1300/09	2000/28	0900/27	0800/14	0900/26	0500/21	1000/30	0500/06	0700/30	1900/18	1300/26

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

/ Indicates No Data.

ANNUAL MEAN: 183.18

ANNUAL SUMMARY OF LEVELS, 1987
Station 9070: Two Harbors, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.25	Jan	183.05	Dec
Daily mean elevation:	183.32	5 Jan	182.96	31 Dec
Instant/hourly elevation:	183.39	0900/13 Jan	182.84	1300/26 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.32	5 Jan
183.27	28 Feb
183.20	18 Mar
183.15	25 Apr
183.17	25 May
183.19	6 Jun
183.15	1 Jul
183.29	14 Aug
183.24	27 Sep
183.19	15 Oct
183.16	1 Nov
183.11	7 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.17	24 Jan
183.15	9 Feb
183.08	30 Mar
183.04	27 Apr
183.06	14 May
183.10	26 Jun
183.15	1 Jul
183.15	31 Aug
183.17	29 Sep
183.08	27 Oct
183.01	19 Nov
182.96	31 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.30	4												183.30	4
183.25	11	2						6					183.25	23
183.20	11	9						18	13				183.20	74
183.15	5	15	15		5	12		4	17	7	1		183.15	155
183.10		2	11	16	15	15	1	1		20	9	1	183.10	246
183.05			4	13	11	1				4	13	13	183.05	305
183.00				1							7	14	183.00	327
182.95												3	182.95	330
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9070: Two Harbors, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.31	183.21	183.17	183.08*	183.10	/	183.15*	/	183.19	183.15	183.16	183.05
2	183.32	183.24	183.10	183.07	183.11	/	/	/	183.20	183.14	183.13	183.05
3	183.29	183.18	183.14	183.11	183.11	183.14*	/	183.23*	183.22	183.16	183.12	183.06
4	183.32	183.19	183.20	183.11	183.10	183.16	/	183.24	183.23	183.18	183.05	183.04
5	183.32	183.16	183.18	183.10	183.09	183.16	/	183.26	183.22	183.12	183.05	183.08
6	183.29	183.16	183.17	183.09	183.07	183.19	/	183.25	183.20	183.11	183.06	183.09
7	183.26	183.22	183.15	183.10	183.08	183.15	/	183.21	183.21	183.13	183.10	183.11
8	183.25	183.15	183.18	183.11	183.08	183.13	/	183.23	183.19	183.19	183.07	183.08
9	183.30	183.15	183.15	183.12	183.07	183.15	/	183.23	183.20	183.09	183.06	183.03
10	183.29	183.21	183.15	183.10	183.12	183.16	/	183.25	183.22	183.11	183.08	183.07
11	183.21	183.21	183.13	183.12	183.06	183.18	/	183.28	183.20	183.12	183.03	183.08
12	183.27	183.17	183.14	183.11	183.10	183.15	/	183.25	183.19	183.14	183.08	183.03
13	183.29	183.27	183.17	183.10	183.11	183.17	/	183.26	183.18	183.15	183.05	183.02
14	183.25	183.24	183.18	183.12	183.06	183.14	/	183.29	183.19	183.11	183.11	183.05
15	183.22	183.22	183.17	183.11	183.10*	183.15	/	183.28	183.20	183.19	183.13	183.07
16	183.24	183.22	183.17	183.11	183.11	183.16	/	183.27	183.22	183.17	183.13	183.01
17	183.24	183.20	183.18	183.12	183.12	183.18	/	183.22	183.23	183.13	183.08	183.06
18	183.23	183.19	183.20	183.13	183.16	183.15	/	183.25	183.24	183.11	183.03	183.04
19	183.29	183.18	183.17	183.15	183.15	183.16	/	183.23	183.24	183.13	183.01	183.08
20	183.21	183.18	183.14	183.10	183.13	183.16	/	183.24	183.24	183.15	183.04	183.00
21	183.29	183.21	183.16	183.10	183.15	183.16	/	183.24	183.21	183.13	183.11	183.03
22	183.20	183.17	183.15	183.12	183.13	183.15	/	183.19	183.20	183.17	183.11	183.06
23	183.17	183.19	183.17	183.10	183.12	183.16	/	183.20	183.20	183.16	183.06	183.04
24	183.17	183.19	183.16	183.12	183.14	183.14	/	183.20	183.20	183.13	183.11	183.08
25	183.22	183.19	183.15	183.15	183.17	183.12	/	183.24	183.19	183.12	183.10	183.02
26	183.21	183.19	183.11	183.12	183.16	183.10	/	183.25	183.24	183.10	183.09	182.97
27	183.20	183.19	183.12	183.04	183.16	183.11	/	183.22	183.24	183.08	183.10	183.05
28	183.23	183.27	183.08	183.10	183.16	183.13	/	183.22	183.20	183.11	183.11	183.04
29	183.29		183.09	183.07	183.15	183.12	/	183.23	183.17	183.13	183.09	183.06
30	183.19		183.08*	183.08	183.15	183.13	/	183.17	183.18	183.10	183.07	183.06
31	183.27		/		183.15*		/	183.15		183.13		182.96
MEAN	183.25	183.20	183.15	183.11	183.12	183.15	183.15	183.23	183.21	183.13	183.08	183.05
MAX.	183.39	183.33	183.32	183.21	183.22	183.24	183.16	183.35	183.32	183.27	183.19	183.20
	0900/13	1800/28	0300/01	1400/25	1600/28	1600/11	0400/01	1600/14	0100/06	1600/15	1200/01	0900/24
MIN.	183.13	183.07	183.02	182.94	182.95	183.05	183.13	183.11	183.10	183.00	182.91	182.84
	2000/11	0300/08	2000/28	1000/29	0800/14	0900/26	0100/01	1300/30	0600/06	2300/09	1900/18	1300/26

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

/ Indicates No Data.

ANNUAL MEAN: 183.15

ANNUAL SUMMARY OF LEVELS, 1987

Station 9090: Grand Marais, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.22	Jan	183.02	Dec
Daily mean elevation:	183.28	4 Jan	182.96	31 Dec
Instant/hourly elevation:	183.39	0700/6 Jan	182.86	1000/31 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.28	4 Jan
183.20	13 Feb
183.14	4 Mar
183.10	19 Apr
183.11	31 May
183.13	17 Jun
183.20	31 Jul
183.23	16 Aug
183.20	27 Sep
183.15	4 Oct
183.10	1 Nov
183.06	7 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.15	24 Jan
183.13	27 Feb
183.05	30 Mar
183.01	27 Apr
183.01	11 May
183.08	30 Jun
183.08	3 Jul
183.14	31 Aug
183.13	30 Sep
183.06	30 Oct
183.00	19 Nov
182.96	31 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.25	7												183.25	7
183.20	13							11					183.20	31
183.15	9	8					14	18	23				183.15	103
183.10	2	20	9		2	18	11	2	7	9			183.10	183
183.05			19	21	14	12	6			22	9	1	183.05	287
183.00			3	9	15						20	22	183.00	356
182.95											1	8	182.95	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1987

Station 9090: Grand Marais, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.27	183.18	183.11	183.08	183.05	183.11	183.10	183.22	183.15	183.13	183.10	183.02
2	183.27	183.19	183.08	183.04	183.05	183.10	183.11	183.20	183.14	183.10	183.09	183.03
3	183.27	183.15	183.10	183.06	183.05	183.10	183.08	183.19	183.16	183.14	183.08	183.03
4	183.28	183.17	183.14	183.06	183.05	183.11	183.10	183.18	183.17	183.15	183.04	183.01
5	183.26	183.15	183.13	183.05	183.05	183.11	183.11	183.20	183.17	183.13	183.04	183.03
6	183.25	183.15	183.13	183.05	183.03	183.13	183.11	183.22	183.16	183.08	183.04	183.05
7	183.24	183.18	183.12	183.05	183.04	183.11	183.10	183.18	183.16	183.09	183.07	183.06
8	183.24	183.13	183.12	183.07	183.04	183.09	183.09	183.19	183.15	183.14	183.03	183.05
9	183.27	183.14	183.10	183.07	183.03	183.10	183.10	183.18	183.15	183.08	183.03	183.00
10	183.25	183.15	183.11	183.07	183.06	183.11	183.13	183.19	183.17	183.10	183.05	183.04
11	183.22	183.17	183.10	183.07	183.01	183.13	183.12	183.22	183.17	183.10	183.02	183.05
12	183.24	183.13	183.09	183.05	183.05	183.12	183.15	183.22	183.16	183.10	183.04	183.02
13	183.26	183.20	183.11	183.06	183.06	183.12	183.12	183.21	183.15	183.11	183.02	183.01
14	183.22	183.15	183.10	183.06	183.03	183.11	183.13	183.22	183.16	183.09	183.05	183.03
15	183.20	183.15	183.11	183.07	183.04	183.11	183.15	183.22	183.16	183.10	183.08	183.02
16	183.22	183.16	183.10	183.07	183.04	183.11	183.16	183.23	183.17	183.12	183.08	182.98
17	183.22	183.15	183.10	183.08	183.04	183.13	183.14	183.19	183.18	183.09	183.04	183.03
18	183.20	183.15	183.10	183.08	183.08	183.11	183.18	183.21	183.17	183.10	183.04	183.02
19	183.24	183.14	183.09	183.10	183.08	183.11	183.20	183.20	183.19	183.10	183.00	183.05
20	183.20	183.15	183.08	183.07	183.08	183.11	183.19	183.21	183.19	183.10	183.02	183.00
21	183.23	183.15	183.09	183.06	183.08	183.11	183.19	183.21	183.17	183.09	183.07	183.01
22	183.17	183.14	183.09	183.07	183.08	183.10	183.19	183.18	183.18	183.12	183.06	183.02
23	183.15	183.14	183.10	183.05	183.08	183.11	183.18	183.17	183.17	183.11	183.03	183.02
24	183.15	183.14	183.09	183.07	183.09	183.10	183.17	183.18	183.16	183.09	183.05	183.02
25	183.19	183.14	183.09	183.08	183.10	183.09	183.17	183.19	183.16	183.10	183.05	183.00
26	183.19	183.15	183.07	183.08	183.10	183.08	183.15	183.19	183.18	183.10	183.04	182.98
27	183.18	183.13	183.08	183.01	183.11	183.09	183.16	183.18	183.20	183.06	183.04	183.00
28	183.18	183.16	183.05	183.07	183.10	183.09	183.18	183.18	183.17	183.08	183.06	183.00
29	183.22		183.05	183.03	183.10	183.08	183.16	183.19	183.14	183.09	183.04	183.01
30	183.16		183.05	183.04	183.10	183.08	183.19	183.15	183.13	183.06	183.03	183.02
31	183.22		183.08		183.11		183.20	183.14		183.09		182.96
MEAN	183.22	183.15	183.10	183.06	183.06	183.11	183.15	183.19	183.16	183.10	183.05	183.02
MAX.	183.39	183.25	183.21	183.18	183.17	183.18	183.37	183.30	183.23	183.22	183.14	183.16
	0700/06	1700/28	0100/01	2000/20	0500/26	1600/11	1200/20	1300/18	0700/27	0900/15	2200/16	0100/11
MIN.	183.09	183.08	182.99	182.92	182.94	183.04	183.03	183.08	183.10	183.00	182.94	182.86
	2100/30	1900/09	2000/28	1000/27	0900/11	0600/08	1200/11	1200/30	2000/29	0300/02	1000/19	1000/31

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

/ Indicates No Data.

ANNUAL MEAN: 183.11

Monthly Water Level Stages - Lake Ontario at Oswego

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 74.0

	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	75.01	75.12	75.22	75.50	75.58	75.61	75.51	75.42	75.26	75.08	75.04	75.04
MEAN	74.39	74.42	74.50	74.71	74.83	74.87	74.84	74.73	74.60	74.48	74.40	74.38
	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934
LOW	73.66	73.64	73.79	73.88	73.97	74.04	73.99	73.84	73.74	73.68	73.59	73.60

1900 thru 1987 mean 74.60

Monthly Water Level Stages - Lake Erie at Cleveland

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 173.3

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1987	1986	1986	1985	1986	1986	1986	1986	1986	1986	1986	1986
HIGH	174.67	174.60	174.68	174.79	174.78	174.86	174.85	174.76	174.64	174.74	174.65	174.68
MEAN	173.73	173.72	173.80	173.97	174.06	174.10	174.08	174.02	173.93	173.84	173.76	173.74
	1935	1936	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
LOW	173.01	172.97	173.02	173.19	173.26	173.27	173.27	173.24	173.20	173.11	173.00	172.98

1900 thru 1987 mean 173.89

Monthly Water Level Stages - Lake St. Clair at St. Clair Shores

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 174.2

	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	175.60	175.62	175.62	175.63	175.64	175.72	175.74	175.70	175.66	175.78	175.63	175.61
MEAN	174.59	174.51	174.64	174.81	174.90	174.95	174.97	174.93	174.87	174.79	174.70	174.70
	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1925
LOW	173.69	173.70	173.86	174.07	174.24	174.27	174.31	174.22	174.15	174.08	173.99	174.06

1900 thru 1987 mean 174.78

Monthly Water Level Stages - Lake Huron-Michigan at Harbor Beach

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 175.8

	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	176.98	176.89	176.91	177.01	177.06	177.11	177.17	177.19	177.17	177.28	177.18	177.05
MEAN	176.15	176.13	176.15	176.23	176.33	176.39	176.43	176.42	176.37	176.31	176.24	176.19
	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
LOW	175.38	175.39	175.37	175.37	175.50	175.53	175.55	175.56	175.55	175.49	175.43	175.38

1900 thru 1987 mean 176.28

Monthly Water Level Stages - Lake Superior at Marquette

1900 thru Dec 1987

NOAA/NOS
WSC-1 N/OMA12
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 182.9

	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	183.38	183.30	183.28	183.33	183.40	183.42	183.46	183.50	183.51	183.56	183.56	183.49
MEAN	183.00	182.94	182.89	182.91	183.01	183.10	183.16	183.20	183.20	183.19	183.14	183.07
	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925
LOW	182.45	182.38	182.37	182.34	182.36	182.46	182.57	182.62	182.72	182.72	182.63	182.56

1900 thru 1987 mean 183.07