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ASSOCIATION D'Océanographie Physique

Union Géodésique et Géophysique Internationale

PUBLICATION SCIENTIFIQUE N° 20

INSTITUTE OF OCEANOGRAPHIC
SCIENCES
BIDSTON OBSERVATORY
BIRKENHEAD L43 7RA

PERMANENT SERVICE FOR MEAN SEA LEVEL

MONTHLY and ANNUAL MEAN HEIGHTS

of SEA-LEVEL for the period of the

INTERNATIONAL GEOPHYSICAL YEAR

(1957 to 1958)

and

unpublished data for earlier years

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GRAPHY

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PROCES-VERBAUX:

- No. 1. Cinquième Assemblée Générale réunie à Lisbonne, Septembre 1933. (1934). (1/6).
- No. 2. General Assembly at Edinburgh, September 1936. (1937). (x).
- No. 3. General Assembly at Washington, September 1939. (1940). (3/6).
- No. 4. General Assembly at Oslo, August 1948. (1949). (x).
- No. 5. General Assembly at Brussels, August 1951. (1952). (18/-).
- No. 6. General Assembly at Rome, September 1954. (1955). (30/-).

These publications form a continuation of the “*Bulletins de la Section d’Océanographie de l’Union Géodésique et Géophysique Internationale*,” of which there were 17 numbers, No. 1 being issued in 1921 and No. 17 in 1931; all out of print.

Permanent Service for Mean Sea Level

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- DR. J. VAN VEEN,
Rijkswaterstaat Directie Algemene Dienst en
Waterhuishouding, The Hague.

Introduction

At the 1957 meeting of the International Association of Physical Oceanography in Toronto the growing interest in variations of mean sea-level was acknowledged by the recommendation that the work of the Association's Committee on Mean Sea-Level and its Variations should become the function of a Permanent Service under the auspices of the International Council of Scientific Unions. At the same time the Association augmented the Committee, and in 1958 the Permanent Service for Mean Sea Level was formally approved by I.C.S.U.

The principal aims of the Permanent Service will be the collection and edition of monthly and annual values of mean sea-level from all stations for which material is available. In the past, it had not been a function of the Committee to compute means from tidal observations; tidal authorities were encouraged to prepare the data and, if assistance were required, the Committee supervised the reduction provided the authorities paid the cost of labour. In exceptional cases the Permanent Service is now empowered to reduce tidal observations to mean values free of charge, provided the data obtained are of sufficient importance. In addition, the Permanent Service will, as the need arises, investigate and draw conclusions on various aspects of the data published. At the request of oceanographers interested in variations of mean sea level, the Committee has considered the advisability of including records of salinity, temperature and meteorological variables in this and

future publications. The Committee decided that this procedure was impracticable, but the Service can supply the names and addresses of authorities from whom such data, if in existence, may be obtained.

The formation of the Permanent Service coincided with the advent of the International Geophysical Year, and the A.I.O.P. requested that mean sea-level data for this period should be made available to all potential users at the earliest opportunity. The present volume, therefore, is a continuation of the series consisting of Publications Scientifiques Nos. 5, 10, 12 and 19. In addition to the stations which have featured in previous publications, many new stations which were set up for the I.G.Y. appear in this issue, and the Permanent Service is grateful for the invaluable assistance given by the I.G.Y. World Data Centres A and B (The Agricultural and Mechanical College of Texas and the Institute of Aeroclimatology, Moscow, respectively). It is to be hoped that many of these new gauges will continue to operate and contribute data now the I.G.Y. is ended. Acknowledgement must also be made of the ready response of all the contributors to this volume in respect of the circulars sent out by the Service. The information received regarding gauges, methods of checking and reducing records, etc., has proved of great assistance and will greatly contribute in the future to reducing the amount of correspondence involved in the collation of data.

In this connexion, we wish respectfully to urge all contributors to inform us of any errors they may have noted in this and previous volumes, and also to provide any mean values which have not yet been published.

The replacement or correction of data previously published are indicated in the appropriate sections of Tables A, B or C.

Table A. The authority quoted is that which has supplied the information; that maintaining the tide-gauge is sometimes different.

The datum is that above or below which the heights in Table B are measured.

B.M. denotes a local Bench Mark. When the datum for the heights of sea level is stated in reference to a national system of precision levelling, no reference to local Bench Marks is made.

In the column headed *Obs.*, a number indicates the number of readings of tide-gauge per day; HL indicates high and low water heights only; *c* denotes that mean values have been determined by integration from a continuous record; *a* indicates that a correction for atmospheric pressure has been incorporated in the entries of Table B; *m* indicates médimarémètre.

Tables B and C. Data which for any reason are considered doubtful are indicated by ().

J. R. ROSSITER

(Secretary of the Committee).

TABLE A.

Authorities, Stations and Conditions.

Country	Authority	Station	° Lat.	° Long.	Datum	Obs.	Years
Iceland	Columbia University, New York	Grindavík	63 48 N	23 39 W.	18.07 ft. below B.M. No. 2	24	1957—58
Soviet Union (Arctic Coast)	Institute of Aeroclimatology, Moscow	Murmansk Russkaya Gayan Cape Zhelaniya Cape Chelyuskin Cape Schmidt	68 58 N. 76 14 76 57 77 43 68 55	33 03 E. 62 32 68 35 104 17 179 28	B.M.	24	1957—58
Norway	Norges Sjøkartverk, [†] Oslo	Tromsø Harstad Kabelvåg Brønnøysund Trondheim Kristiansund N. Ålesund Måløy Hammerfest Vardø Andenes Risøyhamn Evenskjaer Narvik Bodø Mosjøen Heimsjø Borgund Kjelsdal Bergen Oslo Oscarsborg Haugesund Stavanger Nevlunghavn Jessingfjord Tregde	69 39 N. 68 48 68 13 65 29 63 26 63 07 62 28 61 56 70 40 70 20 69 19 68 58 68 35 68 26 67 17 65 51 63 26 62 27 61 55 60 24 59 54 59 40 59 25 58 58 58 20 58 00	18 58 E. 16 33 14 29 12 13 10 26 07 44 06 09 05 07 23 40 31 06 16 09 15 39 16 33 17 25 14 23 13 12 09 07 06 18 05 38 05 18 10 45 10 37 05 11 05 44 09 53 06 22 07 34	Harbour Authority Zero Local Harbour Authority Zero Local " " " 1:384 m. below N.N.N. 1:823 m. above " B.M. B.M. 2:391 m. above N.N.N. 4:015 m. " 0:538 m. " 3:063 m. " 2:934 m. " B.M. 2:013 m. above N.N.N. 0:001 m. below " 7:962 m. above " 0:247 m. " B.M. 0:215 m. below " 2:807 m. above " B.M. 1:706 m. above "	c	1956—57 1955—57 1956—57 1957 1955 1956 1955—57 1955—58 1955 1955—56 1955—58 1957 1955—58 " " " 1957 1955—58 " " 1955—56 1958 1955—58 1956 1955—58

[†] Tromsø. See Table B.

* The information given in previous publications, relating to the datums for stations under the control of the Norges Geografiske Oppmåling, has been incorrect and should have been as listed above. N.N. denotes Norwegian Normal Null. N.N.N. denotes North Norwegian Normal Null.

Sweden	Sveriges Meteorologiska och Hydrologiska Institut, Stockholm	Strömstad Smögen Göteborg Varberg Klagshamn Ystad Kungsholmsfort Ölands n Udde Landsort Nedre Södertälje Stockholm Björn Nedre Gävle Draghällan Ratan Furuögrund	58 58 57 57 55 55 56 57 58 59 59 60 62 64 64	57 22 43 06 31 25 06 22 45 12 19 38 40 20 00 55	11 11 11 12 12 13 13 15 17 17 18 17 17 17 17 21	11 13 57 13 54 49 35 06 37 05 58 10 28 55 14	1 24 24 24 24 24 1 24 1 24 24 24 24 24 24 24	1957—58
Finland	Merentutkimuslaitos (Havsforskningsinstitutet), Helsingki	Kemi Oulu/Uleåborg Raahе/Brahestad Pietarsaari/ Jakobstad Vaasa/Vasa Kaskinen/Kaskö Mantyluoto Rauma/Raumo Turku/Abo Degerby Hanko/Hangö Helsinki/Helsingfors Hamina/ Frederikshamn	65 65 64 63 63 62 61 61 60 60 60 59 60 60	44 02 42 42 06 23 36 08 25 02 49 09 34	24 25 24 22 21 21 21 22 20 22 24 27	33 26 30 42 34 13 29 29 06 23 58 58 11	6 1887—96, 1957—58 1957—58	
Soviet Union (Baltic Coast)	Institute of Aeroclimatology, Moscow	Kaliningrad	54	57 N.	20	13 E.	B.M.	1957—58
Denmark	Det Danske Meteorologiske Institut, Charlottenlund	Gedser Rødbyhavn København Hornbæk Korsør Slipshavn Mormark Fredericia Aarhus Frederikshavn Hirtshals Esbjerg	54 54 55 56 55 55 55 55 56 57 57 55	34 39 41 06 20 17 56 34 09 26 36 28	11 11 12 12 11 10 10 09 10 10 09 08	58 21 36 28 08 50 04 46 13 34 57 27	Dansk N.N. 1957—58 1957 1957—58	

Netherlands

Rijkswaterstaat	53	20 N.	06	56 E.	
Directie Algemene Dienst,	53	22 N.	05	13	
's-Gravenhage.	53	10	05	25	
Den Helder	52	58	04	45	Normaal Amsterdams Peil (N.A.P.)
IJmuiden	52	28	05	35	
Hoek van Holland	51	59	04	07	
Hellevoetsluis	51	49	04	08	
Brouwershaven	51	44	03	54	
Zierikzee	51	38	03	55	
Vlissingen	51	27	03	36	

8

1956—58

France
(West Coast)

Service Hydro- graphique de la Marine, Paris	48	23 N.	04	30 W.	
Institut Géographique National, Paris	51	03 N.	02	22 E.	Zéro du nivellement général de la France
Dunkerque	50	44	01	35	
Boulogne	49	29	00	06	
Le Havre	49	39 N.	01	37 W.	
Cherbourg	48	22	04	47	
Le Conquet	48	22	04	47	
St. Jean-de Luz	43	24	01	41	

m

1957—58

1957—58

1957

1958

1958

1957—58

1957

British Isles

National Institute of Oceanography	63	09 N.	01	08 W.	Admiralty Chart Datum	1957—58
Hydrographic Dept., London	57	09	02	05	Ordnance Datum 1915—21	1957—58
Leith Dock Commission	55	59	03	10	21.85 ft. below Ordnance Datum 1844	1957
Blyth Harbour Commission	55	07	01	29	6.49 ft. below Ordnance Datum 1915—21	1957—58
Tyne Improvement Commission	55	01	01	24	7.08 ft. below Ordnance Datum 1844	1957
Hydrographic Dept., London	51	27 N.	00	45 E.	Ordnance Datum 1951—21	1957—58
Dover Harbour Board	51	07	01	19	8.42 ft. below Ordnance Datum 1844	1957—58
Ordnance Survey Hydrographic Dept., London	50	06	05	33 W.	9.412 ft. below Ordnance Datum 1915-21	1957—58
Port of Bristol Authority	51	42	05	01	Ordnance Datum 1915—21	1957—58
British Transport Commission	51	30	02	43	19.83 ft. below Ordnance Datum 1844	1957—58
Tidal Institute	53	19	04	37	26.3 ft. below Ordnance Datum 1844	1957
Liverpool (Princes Pier)	53	25	03	00	14.54 ft. below Ordnance Datum 1915—21	1958
Birkenhead (Alfred Dock)	53	24	03	01	14.54 ft. below Ordnance Datum 1915—21	1955—58

24

HL

24

HL

HL

24

24

British Isles (cont.)	Stornoway	National Institute of Oceanography	58	12 N.	06	23 W.	Admiralty Chart Datum	24	1957—58
	Douglas	Harbour Board Ordnance Survey Office, Dublin	54	09	04	28	10-22 ft. below I.O.M. Ordnance Datum (Poolbeg)	HL	1957—58
	Main Head		55	22	07	20	Irish Ordnance Datum	24	1958
	Belfast	Belfast Harbour Commissioners	54	36	05	55	6-61 ft below 1957 Ordnance Datum (Ireland)	24	1957—58
	Dublin	Dublin Port and Docks Board	53	21	06	13	1-43 ft. above Ordnance Datum (Ireland)	HL	1957—58
	States' Engineer's Office	St. Helier, Jersey	49	11 N.	02	07 W.	Admiralty Chart Datum	HL	1955—58
Portugal	Instituto Geográfico e Cadastral, Lisbon	Lagos Cascais	37	06 N.	08	40 W.	} B.M.	HL	1957—58
			34	41	09	25			
France (South Coast)	Institut Géographique National, Paris	Port Vendres	42	31 N.	03	07 E.	} Zéro du nivellement général de la France	<i>m</i>	1957—58
		Sète	43	24	03	42		<i>m</i>	
		Port de Bouc	43	24	04	59		<i>m</i>	1947—58
		Marseille	43	18	05	21		<i>c</i>	1957
		Villefranche	43	42	07	20		<i>m</i>	
Corsica	Institut Géographique National, Paris	Ajaccio	41	55 N.	08	44 E.	207-1 cm. below B.M.	}	1957—58
		Bonifacio	41	23	09	08	Local		1957—58
		Bastia	42	41	09	26	Local		1957
Italy	Istituto Idrografico Sezone Idrografico di Bologna	Genova	44	25 N.	08	54 E.	B.M.	HL	1952—58
		Porto Corsini	44	30	12	17	Local	HL	1952—58
Yugoslavia	Instituto Sperimentale Talassografico, Trieste	Trieste	45	39	13	45	1-50 m. below L.M. Hopfner (1949)	24	1953—58
	Institute of Oceanography and Fisheries, Split	Split rt Marjana	43	30 N.	16	23 E.	323-0 cm. below B.M.	}	1956—57
Geophysical Institute, Zagreb	Bakar	45	18	14	32	337-3 cm.	" "		1957—58
Hydrografiski Institut, Split	Rovinj	45	05	13	38	582-0 cm.	" "		1956—57
	Split Harbour	43	30	16	26	393-32 cm.	" "		1956—57
	Vis	43	04	16	12	" "	" "		1957
	Uisce Neretve	43	01	17	27	" "	" "		1957
	Mali Ston	42	50	17	42	" "	" "		1957
	Broce	42	49	17	43	" "	" "		1957
	Dubrovnik	42	39	18	03	" "	" "		1956—57
	Herceg Novi	42	27	18	32	" "	" "		1956—57

Turkey	Meteorological Service of Turkey	Antalya Izmir Iskenderun Ereglisi Trabzon	36 53 N. 38 26	30 44 E. 27 10	B.M.	1936-37, 1939-45, 1957-58 1937-45, 1957-58 HL 1956-58 1956-58 1956-58
Soviet Union (Black Sea)	Institute of Aeroclimatology, Moscow	Port Tuapse	44 06 N.	39 04 E.	B.M.	24 1957-58
Israel	Ministry of Transport	Ashdod	31 50 N.	34 39 E.	0-329 m. below Land Levelling System	24 1957-58
Tunisia	Institut Géographique National, Paris	Sfax Sousse La Goulette	33 44 N. 35 49 36 49	10 46 E. 10 37 10 18	Zéro Tunisien	m 1957-58 1957-58 1957
Algeria	Institut Géographique National, Paris	Bône No. 2 Alger Oran	36 54 N. 36 47 35 43 N.	07 46 E. 03 04 00 39 W.	Zéro Algérien	m 1957-58
Morocco	Physical Oceanography Sub-Committee, Paris	Casablanca	33 37 N.	07 36 W.	6-460 m. below B.M.	24 1957-58
Azores	Institut Géographique National, Paris	Casablanca Agadir	33 36 30 25	07 37 09 38	Zéro Marocain	m 1957-58 1958
		Santa Cruz das Flores	39 27 N.	31 08 W.	Provisional	1957-58
		Horta Angra do Heroismo (A)	38 32 38 39	28 38 27 14	Hydrographic zero Zero of the Portuguese Navy Chart, Angra and Fanal. 5-72 m. below B.M.	HL a 1957-58 1957-58
		Ponta Delgada Angra do Heroismo (B)	37 45 38 39	25 40 27 13	3-30 m. below N.P. 19-76 ft. below B.M.	1956-58 1956-58
Senegal	Physical Oceanography Sub-Committee, Paris	Dakar	14 41 N.	17 26 W.	B.M.	24 1957-58
Gold Coast	Survey Dept., Accra	Takoradi	04 53 N.	01 45 W.	{ 11-936 ft. below G.S.C. 32 } { 10-126 ft. " B.M.H. 4 }	24 1950, 1952-57

South Africa	Walvis Bay	22 57 S.	14 30 E.	20·88 ft. below S.A.N.I.	1958
	Luderitz	26 38	15 09	12·135 ft. " B.M.	1958
	Port Nolloth	29 15	16 52	20·86 ft. " B.M.	1957—58
	Robben Island	33 48	18 23	15·57 ft. " Base plate	1957—58
	Table Bay Harbour (Duncan Dock)	33 55	18 26	14 ft. below B.M. 1	1957—58
	Simons Bay	34 11	18 26	12·697 ft. " S.A.N. 222	1957—58
	Hermanus	34 26	19 14	9·815 ft. " H. 41 G.	1958
	Stompneus Bay	32 43	19 59	17·030 ft. " S.A.N. 1	1957—58
	Mossel Bay	34 11	22 09	21·236 ft. " S.A.N.xxx	1958
	Nosy-Bé	13 24 S.	48 17 E.	B.M.	1958
Madagascar	Physical Oceanography Sub-Committee, Paris				24
	Institut Géographique National, Paris	18 09	49 26	Nivellement de Madagascar	m
Mauritius	Columbia University	20 22 S.	57 45 E.	6·139 ft. below B.M. No. 1	1958
Arabia	Survey of India, Dehra Dun	12 47 N.	44 59 E.	11·40 ft. below B.M.	HL 24
	Meteorological Service	Karachi (Manora)			1957—58
India	Survey of India, Dehra Dun	22 50 N.	69 43 E.	19·874 ft. below B.M.	HL 24
	Kandla	23 01	70 13	26·99 ft. " "	HL 24
	Verāval	20 53	70 22	21·26 ft. " "	HL 24
	Bhānagar	21 45	72 14	37·24 ft. " "	HL 24
	Bombay (Apollo Bandar)	18 55	72 50	27·96 ft. " "	HL 24
	Ratnāgiri	17 00	73 16	15·18 ft. " "	HL 24
	Mangalore	12 51	74 50	14·562 ft. " "	HL 24
	Cochin	09 58	76 15	7·990 ft. " "	HL 24
	Madras	13 06	80 18	16·54 ft. " "	HL 24
	*Visākhatnam	17 41	83 17	22·43 ft. " "	HL 24
Saugor	21 39	88 03	19·55 ft. " "	HL 24	
					1956—58 1957—58 1957—58 1957—58 1955—58 1957—58 24 1956—58 1957—58 1957—58 24 1957 1957—58 1957—58 1957—58 1939—55, 1958 1957 1957—58 1957—58 1957—58 1957—58 1957—58 1957—58

* The datum for 1954—56 values (Pub. Sci. No. 19) was also 22·43 ft. below B.M.

India (continued)	Survey of India, Dehra Dun	22	12 N.	88	10 E.	15.98 ft. below B.M.	HL 24	1957—58	
	Calcutta (Garden Reach)	22	33	88	18	23.803 ft. "	HL 24	1957—58 1957—58	
Pakistan (East)	Meteorological Service	22	20 N.	91	50 E.	Tide pole zero		1957—58 1957—58	
	Chittagong (Sadarghat) Chittagong (Patenga Point)								
Burma	Survey of India, Dehra Dun	16	29 N.	97	37 E.	23.90 ft. below B.M.	HL	1957—58	
	Moulmein Amherst	16	05	97	34	34.71 ft. "	HL	1957—58	
Andaman Islands	Survey of India, Dehra Dun	11	41 N.	92	46 E.	17.39 ft. "	HL 24	1957—58 1957—58	
Thailand	Hydrographic Service, Bangkok	07	50 N.	98	26 E.	Local			
	Ko Ta-phao Noi (Phuket) Phraчуап Krikhan	11	48	99	49			24	1950—56
	Bangkok Bar Phrachul	13	27	100	36				
	Ko Sichang	13	33	100	35				
		13	09	100	49				
China	Ministerio da Marinha Port Works Office	22	12 N.	113	33 E.	Local	HL	1957—58	
		22	18	114	10	18.31 ft. below B.M.	c	1955—58	
Soviet Union (Pacific Coast)	Institute of Aeroclimatology, Moscow	44	01 N.	145	52 E.	B.M.			
	Yuzhno Kurilsk Nagaeva Bay Petrovavlovsk	59	33	150	47			24	1957—58
	Ugolnaja Bay	63	02	179	25				
		43	13 N.	140	51 E.		0.4584 m. below B.M. No. 9		1950—58
		40	54	140	52		0.0099 m. above "		1954—58
Japan	Geographical Survey Institute, Tokyo	38	34	139	33	0.3676 m. below "		1955—58	
	Kashiwazaki	37	21	138	31	1.6791 m. "		1955—58	
	Wajima	37	24	136	54	1.3532 m. "		1950—58	
	Kōchi	33	30	133	34	0.3706 m. above "	24	1950—58	
	Kainan	34	08	135	12	0.5502 m. below "		1953—58	
	Aburatsubo	35	09	139	37	1.6179 m. "		1950—58	
	Hosojima	32	25	131	40	0.1334 m. above "		1950—58	

Japan
(continued)

Meteorological
Agency, Tokyo

Hanasaki	43	17	145	35	4-000 m. below B.M.
Kushiro	42	58	144	22	4-000 m.
Hakodate	41	47	140	44	3-000 m.
Iwasaki	40	35	139	55	6-000 m.
Miyazu	35	22	135	12	3-255 m.
Sakai	35	33	133	14	2-770 m.
Tonoura	34	54	132	04	3-865 m.
Shimonoseki	33	58	130	57	5-800 m.
Uwajima	33	14	132	33	4-080 m.
Tosa-Shimizu	32	47	132	58	4-538 m.
Komatsushima	33	59	134	37	4-000 m.
Takamatsu	34	21	134	03	3-500 m.
Matsuyama	33	52	132	43	4-982 m.
Uno	34	29	133	57	3-914 m.
Wakayama	34	13	135	09	3-982 m.
Tanowa	34	20	135	10	4-550 m.
Kobe	34	41	135	11	4-068 m.
Kushimoto	33	28	135	46	5-552 m.
Nagoya	35	05	136	53	4-790 m.
Shimizu	35	00	138	30	3-291 m.
Uchiura	35	01	138	54	3-602 m.
Ito	34	58	139	06	4-888 m.
Tokyo	35	40	139	46	5-500 m.
Mera	34	55	139	50	6-671 m.
Choshi	35	44	140	50	4-347 m.
Onahama	36	56	140	55	3-660 m.
Ayukawa	38	18	141	31	4-152 m.
Miyako	39	38	141	58	3-886 m.
Hachinohe	40	32	141	31	3-827 m.
Naze	28	23	129	30	3-869 m.

Japanese
National
Committee

1958

Philippine
Islands

Bureau of Coast
and Geodetic
Survey, Manila

Manila	14	35	N.	120	58	E.	16-907 ft. below B.M.	No. 4
Legaspi	13	09		123	45		12-032 ft.	" " 1
Tacloban, Leyte	11	15		125	00		14-358 ft.	" " 5
Cebu	10	18		123	54		12-641 ft.	" " 6
Dayao	07	05		125	38		13-01 ft.	" " 4
Jolo, Sulu	06	04		121	00		13-992 ft.	" " 1

24

1957-58

Borneo

Tidal Institute

Pulau Lakei

22-79 ft. below B.M.

24

1955-56

New Caledonia	Physical Oceanography Sub-Committee, Paris	Nouméa	22	18 S.	166	26 E.	6-12 m. below B.M.	24	1957
Phoenix Islands	Scripps Institution, California U.S.C. & G.S.	Hull Canton Island	04 02	29 S. 48	172 171	10 W. 43	Arbitrary zero 10-10 ft. below B.M. 2 (1929)	24	1957 1949-58
Hawaiian Islands	U.S.C. & G.S.	Midway Island Johnston Island Wake Island Nawiliwili Honolulu Mokuoioe Island Kahului Hilo	28 16 19 21 21 20 20 19	13 N. 45 17 58 18	177 169 166 159 157	22 W. 31 37 21 52	13-54 ft. below B.M. 73 9-43 ft. " " 3 16-36 ft. " " 2 8-86 ft. " " 7 120-82 ft. " " 2 (1872) 12-25 ft. " " 8 (1913) 6-45 ft. " " 1 11-34 ft. " " 2 12-29 ft. " " E-2 (1926)	24	1947-58 1950-58 1950-58 1955-58 1957-58 1957-58 1951-58 1946-58
Line Islands	Scripps Institution, California U.S.C. & G.S. Scripps Institution, California	Palmyra Island Fanning Island Christmas Island Jarvis Island	05 03 01 00	52 N. 54 57 21 S.	162 159 157 160	06 W. 24 28 01 W.	Tide staff zero Arbitrary zero 9-76 ft. below B.M. 3 Arbitrary zero	24	1956-58
Iles de la Société	Physical Oceanography Sub-Committee, Paris	Matavai, Tahiti	17	31 S.	149	31 W.	Tide gauge zero	24	1957-58
Iles Australes	Scripps Institution, California	Rurutu	22	27 S.	151	20 W.	Tide staff zero		1957-58
Tuamotu Archipelago	Scripps Institution, California	Takaraoa	14	25 S.	145	00 W.	Tide staff zero		1957-58
East Pacific	Chilean I.G.Y. Committee	Easter Island	27	09 S.	109	29 W.			1957-58
Aleutian Islands	U.S.C. & G.S.	Massacre Bay, Attu Sweeper Cove, Adak Unalaska	52 51 53	50 N. 52 N. 53	173 176 166	12 E. 39 W. 32	16-50 ft. below B.M. 6 22-54 ft. " " 16 (1951) 10-65 ft. " " 2	24	1943-58 1943-58 1955-58



9-902 ft. below B.M. No. 1
8-95 ft. " " " 1

32 22 N. 64 40 W.
32 22 64 42

Paget Island
St. Georges

Columbia
University
U.S.C. & G.S.

Bermuda

1957-58

1957-58
1935-58
1957-58

24



9-48 ft. below B.M. No. 6
7-72 ft. (U.S.E.D. 1931)
16-00 ft. B.M. No. 15 (1929)
14-22 ft. " " 5 (1939)
13-19 ft. " " 13 (1928)
15-52 ft. " " 1
9-04 ft. " " 1 (1935)
17-05 ft. " " 6 (1927)
8-53 ft. " " 1
10-03 ft. " " 25
19-95 ft. " " 32 (1922)
11-26 ft. " " 2 (1923)

25 46 N. 80 08 W.
30 24 81 26
32 02 80 54
32 47 79 55
33 41 78 53
34 14 77 57
36 57 76 20
39 16 76 35
39 21 74 25
40 28 74 01
40 42 74 01
40 48 73 47
41 22 72 05
41 30 71 20
42 21 71 03
43 40 70 15
44 23 68 12
44 54 66 59

Miami Beach
Mayport
Fort Pulaski
Charleston
Myrtle Beach
Wilmington
Hampton Roads
Baltimore
Atlantic City
Sandy Hook
(Fort Hancock)
New York
Willetts Point
(Fort Totten)
New London
(State Pier)
Newport
Boston
Portland
Bar Harbor
Eastport

U.S.C. & G.S.

United States
(Atlantic
Coast)

1957-58
1935-58
1957-58

1957-58
1935-58
1957-58

24



55-60 ft. below B.M.
13-96 ft. " " (1946)
18-38 ft. " " (1901)
24-72 ft. " " (Geodetic No. R)
22-58 ft. " " (Geodetic No. LXXIV)
13-90 ft. " " (1910)

45 16 N. 66 04 W.
44 40 63 35
45 41 62 42
46 13 63 08
48 31 68 28
46 50 71 10
50 30 59 29
47 34 52 42
58 47 94 12
74 41 94 53

St. John, N.B.
Halifax
Pictou
Charlottetown
Father Point
Quebec
Harrington
St. John's
Newfoundland
Churchill
Resolute

Canadian Hydro-
graphic Service,
Ottawa

Canada
(Atlantic
and North
Coasts)

1956-58
1957-58
1957-58
1956-58
1956-58
1956-58

1958
1935-37, 1942
1957-58
1957-58
1957-58

24



55-60 ft. below B.M.
13-96 ft. " " (1946)
18-38 ft. " " (1901)
24-72 ft. " " (Geodetic No. R)
22-58 ft. " " (Geodetic No. LXXIV)
13-90 ft. " " (1910)

45 16 N. 66 04 W.
44 40 63 35
45 41 62 42
46 13 63 08
48 31 68 28
46 50 71 10
50 30 59 29
47 34 52 42
58 47 94 12
74 41 94 53

St. John, N.B.
Halifax
Pictou
Charlottetown
Father Point
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Harrington
St. John's
Newfoundland
Churchill
Resolute

Canadian Hydro-
graphic Service,
Ottawa

Canada
(Atlantic
and North
Coasts)

TABLE B :
MONTHLY AND ANNUAL MEAN HEIGHTS OF SEA-LEVEL

ICELAND													
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
GRINDAVIK													
Unit : 1 foot													
1957	..	..	..	..	..	..	..	..	..	6.72	5.98	6.21	..
1958	5.98	5.56	5.60	5.62	5.42	5.49	5.70	5.97	6.14	..	..	..	..
SOVIET UNION (ARCTIC COAST)													
MURMANSK													
Unit : 1 cm.													
1957	..	..	..	..	..	..	201	202	204	222	222	227	..
1958	205	202	189	187	193	201	210	199	213	213	215	205	203
RUSSKAYA GAVAN													
1957	..	..	..	..	..	..	90	99	97	110	111	119	..
1958	110	91	81	85	79	90	..	..	..	..	..	..	..
CAPE ZHELANIJA													
1957	..	..	..	..	..	..	55	62	62	67	67	73	..
1958	68	57	54	66	..	..	(52)	70	67	66	83	71	(65)
CAPE CHELYUSKIN													
1957	..	..	..	..	..	..	68	71	69	58	62	72	..
1958	64	58	51	52	44	66	66	75	73	..	83	77	(64)
CAPE SCHMIDT													
1957	..	..	..	..	..	..	169	180	148	144	123	127	..
1958	126	111	112	116	116	122	132	138	(167)	177	146	120	(132)
NORWAY													
*TROMSØ													
Unit : 1 metre													
1956	1.506	1.276	1.397	1.323	1.442	1.422	1.392	1.429	(1.451)	1.645	1.556	1.618	1.456
1957	1.674	1.563	1.468	1.398	1.365	1.447	1.401	1.440	1.485	1.716	1.633	1.716	1.525
HARSTAD													
1955	1.668	1.523	1.529	1.448	1.483	1.478	1.501	1.503	1.616	1.685	1.651	1.723	1.568
1956	1.576	1.341	1.450	1.385	1.486	1.445	1.416	1.461	1.479	1.637	1.571	1.643	1.492
1957	1.704	1.586	1.500	1.404	1.358	1.455	1.432	1.479	1.522	1.747	1.643	1.754	1.549
KABELVÅG													
1955	1.905	1.740	1.766	1.674	1.722	1.688	1.681	1.724	1.909	1.954	(1.944)	(2.037)	1.806
1956	1.861	1.570	1.682	1.629	1.733	(1.673)	1.672	1.730	1.699	1.877	1.798	1.909	1.740
1957	1.927	1.822	1.766	1.646	1.606	1.695	1.659	(1.735)	1.732	2.017	1.900	2.048	1.803
BRØNNØYSUND													
1956	..	..	..	..	..	..	..	1.081	1.097	1.304	1.247	1.327	..
1957	1.337	1.262	1.183	1.104	1.056	1.088	(1.039)	..	1.186	1.401	1.284	1.441	(1.224)

* Add 0.303 m. to all previously published values

NORWAY

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
TRONDHEIM													
													Unit : 1 metre
1957	0.987	0.936	0.739	0.664	0.713	0.793	0.741	0.729	0.870	1.091	(0.969)	1.130	0.853
KRISTIANSUND N.													
1955	2.105	1.990	1.914	1.860	1.931	1.865	1.905	1.901	2.118	2.121	2.123	2.209	2.003
ÅLESUND													
1956	-0.272	-0.537	-0.436	-0.445	-0.359	-0.404	-0.431	-0.396	-0.332	-0.144	-0.218	-0.150	-0.343
MÅLØY													
a1955	-0.242	-0.373	-0.457	-0.464	-0.420	-0.481	-0.449	-0.482	-0.230	-0.212	-0.244	-0.153	-0.350
a1956	-0.298	-0.549	-0.462	-0.474	-0.392	-0.425	-0.441	-0.396	-0.334	-0.188	-0.257	-0.171	-0.364
1957	-0.255	-0.259	-0.343	-0.507	-0.537	-0.523	-0.572	-0.428	-0.256	-0.159	-0.266	-0.175	-0.349
HAMMERFEST													
1955	..	..	..	..	..	..	..	1.214	1.216	1.314	1.265	1.270	(1.256)
1956	1.195	0.979	..	..	..	..	..	1.368	1.424	1.538	1.496	1.569	(1.367)
1957	1.637	1.481	1.420	1.350	1.277	1.368	1.330	1.395	1.268	1.487	1.441	1.493	1.412
1958	1.354	1.301	1.122	1.134	1.135	1.162	1.279	1.185	1.313	1.405	1.456	1.399	1.270
VARDØ													
1955	-1.779	-2.029	-2.059	-2.001	..	..	..	..	-1.924	-1.780	-1.862	-1.898	(-1.916)
1956	-1.957	-2.176	-1.963	-2.147	-1.990	..	-2.090	-2.000	-1.950	-1.851	-1.922	-1.845	(-1.990)
1957	-1.796	-1.929	-1.987	-2.054	-2.077	-1.984	-2.055	-2.010	-1.994	-1.793	-1.802	-1.751	-1.936
1958	-1.922	-1.968	-2.126	-2.116	-2.086	-2.057	-1.957	-2.048	-1.902	-1.866	-1.812	-1.872	-1.978
ANDENES													
1955	(-0.230)	..	-0.328	-0.398	-0.436	-0.457	-0.378	-0.334	-0.177	..	..	..	(-0.342)
RISØYHAMN													
1955	..	..	..	..	..	..	..	-5.068	-4.985	-4.816	-4.785	-4.643	(-4.859)
1956	-4.755	-4.966	-4.873	-4.958	-4.834	-4.858	-4.931	-4.924	-4.942	-4.785	..	..	(-4.883)
EVENSKJAER													
1955	-2.353	-2.494	-2.488	-2.564	-2.537	-2.545	-2.506	-2.474	-2.376	-2.314	-2.348	-2.285	-2.440
1956	-2.345	-2.668	-2.513	-2.616	-2.485	-2.517	-2.544	-2.514	-2.480	-2.324	-2.402	-2.327	-2.478
1957	-2.273	-2.340	-2.481	-2.583	-2.589	-2.492	-2.520	-2.482	-2.435	-2.204	-2.304	-2.193	-2.408
NARVIK													
1955	-3.873	-4.042	-4.034	-4.122	-4.107	-4.106	-4.029	-4.024	-3.960	-3.879	-3.935	-3.867	-3.998
1956	-3.933	-4.257	-4.124	-4.198	-4.053	-4.048	-4.116	-4.122	-4.082	-3.906	-3.972	-3.881	-4.058
1957	-3.837	-3.959	-4.037	-4.144	-4.178	-4.077	-4.119	-4.088	-4.057	-3.783	-3.868	-3.755	-3.992
1958	-3.898	-3.966	-4.184	-4.142	-4.113	-4.147	-4.018	-4.080	-4.009	-3.851	-3.824	-3.883	-4.010
BODØ													
1955	-0.521	-0.666	-0.614	-0.442	-0.410	..	(-0.647)	-0.690	-0.560	-0.489	-0.522	-0.455	(-0.547)
1956	-0.588	-0.843	-0.709	..	-0.681	-0.710	-0.742	-0.739	-0.729	-0.524	-0.524	-0.497	(-0.668)
1957	-0.537	-0.566	-0.666	-0.776	-0.810	-0.723	-0.749	-0.724	-0.657	-0.388	-0.498	-0.377	-0.616
1958	-0.456	-0.556	-0.737	-0.716	-0.693	-0.751	-0.671	-0.679	-0.612	-0.441	-0.433	-0.479	-0.609

a To replace values previously given in Publication Scientifique No. 19.

NORWAY

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
MOSJØEN											Unit : 1 metre		
1955	..	..	..	..	..	..	..	-3.192	-3.049	-2.998	-3.027	-2.998	-3.053
1956	-3.125	-3.401	-3.288	-3.294	-3.132	-3.115	-3.199	-3.220	-3.208	-2.981	-3.102	-3.023	-3.174
1957	-2.952	-3.071	-3.204	-3.282	-3.278	-3.144	-3.181	-3.247	-3.186	-2.904	-3.031	-2.881	-3.113
1958	-3.111	..	-3.395	-3.318	-3.242	-3.239	-3.123	-3.171	-3.115	-2.946	-2.955	-3.027	(-3.149)
HEIMSJØ													
1955	-2.855	-2.979	-3.026	-3.071	-3.014	-3.071	-3.057	-3.076	-2.875	-2.829	-2.796	-2.753	-2.950
1956	-2.895	-3.166	-3.080	-3.077	-2.995	-3.034	-3.061	-3.067	-3.027	-2.764	-2.845	-2.787	-2.983
1957	-2.784	-2.855	-2.969	-3.100	-3.118	-3.079	-3.085	-3.067	-2.901	-2.705	-2.828	-2.702	-2.933
1958	-2.862	-2.925	-3.129	-3.079	..	-3.339	-3.037	-2.980	-2.910	-2.766	-2.830	-2.809	(-2.970)
BORGUND													
1957	-3.334	-3.338	-3.455	-3.578	-3.606	-3.583	-3.556	-3.519	-3.373	-3.229	-3.423	-3.283	-3.440
KJØLSDAL													
1955	..	-2.152	-2.147	-2.248	-2.158	-2.183	..	..	-1.895	-1.880	-1.920	-1.810	(-2.044)
1956	-1.822	(-2.284)	-2.110	-2.150	..	..	-2.045	-2.007	-1.968	-1.798	-1.893	-1.796	(-1.993)
1957	-1.844	-1.963	-2.064	-2.114	-2.150	-2.151	-2.065	-2.048	(-1.845)	..	..	..	(-2.027)
1958	-2.002	-2.062	-2.239	..	..	..	..	..	..	(-2.104)	-1.959	-1.937	..
BERGEN													
1955	0.076	0.001	-0.110	-0.107	-0.028	-0.057	-0.041	-0.077	0.119	0.171	0.139	0.206	0.024
1956	0.049	-0.207	-0.099	-0.114	-0.051	-0.022	-0.012	0.059	0.051	0.135	0.076	0.133	0.000
1957	0.073	0.120	0.016	-0.141	-0.132	-0.083	-0.037	-0.008	0.115	0.147	0.086	0.156	0.026
1958	0.053	-0.035	-0.138	-0.145	-0.075	-0.065	-0.009	0.087	0.098	0.173	0.048	0.135	0.016
OSLO													
1955	-7.961	-8.135	-8.190	-8.162	-7.950	-7.982	..	-8.012	-7.861	-7.856	-7.940	-7.876	(-7.993)
1956	-8.009	-8.335	-8.195	-8.139	-7.971	-7.953	-7.976	-7.858	-7.972	-7.837	-7.984	-7.935	-8.014
1957	-7.890	-7.979	-8.084	-8.198	-8.154	-8.018	-7.978	-7.904	-7.823	-7.775	-7.925	-7.885	-7.968
1958	-8.064	-8.099	-8.289	-8.196	-8.050	-8.049	-7.971	-7.925	-7.999	-7.854	-7.932	-8.008	-8.036
OSCARSBORG													
1955	-0.235	-0.413	-0.462	-0.476	-0.228	-0.281	-0.228	-0.294	-0.164	-0.132	-0.202	-0.137	-0.271
1956	-0.241	-0.570	-0.431	-0.389	-0.254	-0.242	-0.237	-0.135	-0.253	-0.125	-0.252	-0.689	-0.268
HAUGESUND													
1958	-1.255	-1.257	-1.429	-1.442	-1.411	-1.405	-1.344	-1.217	-1.217	-1.154	-1.276	..	(-1.310)
STAVANGER													
1955	0.231	0.159	0.028	0.025	0.103	0.082	0.097	0.109	0.246	0.274	0.250	0.320	0.160
1956	0.176	0.035	0.104	0.048	0.100	0.082	0.115	0.225	0.195	0.265	0.198	0.252	0.144
1957	0.229	0.338	0.214	0.017	0.042	0.067	0.112	0.182	0.278	0.316	0.240	0.329	0.197
1958	0.212	0.214	0.051	0.038	0.077	0.088	0.140	0.240	0.233	0.289	0.177	0.286	0.170
NEVLUNGHAVN													
1955	-2.827	-2.918	-2.971	-2.980	-2.826	-2.841	-2.822	-2.848	-2.731	-2.718	-2.761	-2.65	2.827
1956	-2.805	..	-2.958	-2.928	-2.850	-2.822	-2.809	-2.713	-2.797	-2.711	-2.780	-2.772	(-2.813)
1957	-2.742	-2.765	-2.897	(-2.962)	-2.972	-2.845	-2.804	-2.757	-2.665	-2.649	-2.759	-2.707	-2.794
1958	-2.847	-2.838	-3.035	-2.965	-2.900	-2.860	-2.789	-2.757	-2.800	-2.708	-2.821	-2.753	-2.839
JØSSINGFJORD													
1956	..	..	..	-3.399	-3.377	-3.363	-3.338	-3.232	-3.304	-3.240	-3.277	-3.189	(-3.302)
TREGDE													
1955	-1.711	-1.743	-1.833	-1.843	-1.745	-1.762	-1.733	-1.737	-1.658	-1.622	-1.663	-1.555	-1.717
1956	-1.705	-1.909	-1.799	-1.805	-1.794	-1.757	-1.739	-1.643	-1.710	-1.621	(-1.668)	-1.618	-1.731
1957	-1.664	-1.606	-1.772	-1.863	-1.844	-1.790	(-1.658)	-1.636	-1.588	-1.514	-1.626	-1.548	-1.676
1958	-1.629	-1.652	-1.812	-1.832	-1.801	-1.762	-1.682	-1.615	-1.624	-1.614	-1.746	-1.534	-1.700

SWEDEN

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
STRÖMSTAD												Unit : 1 cm.	
1957	206.1	198.8	189.4	177.3	182.8	196.1	200.0	202.7	210.0	221.7	202.4	208.4	199.7
1958	192.7	190.5	173.0	181.3	192.6	194.0	203.0	202.8	199.5	205.5	197.2	198.5	194.2
SMÖGEN													
1957	207.5	203.4	190.3	180.4	184.9	197.4	201.2	207.3	215.1	219.7	206.1	209.8	201.9
1958	197.6	196.6	182.1	185.4	194.2	197.1	205.8	205.9	200.8	212.5	199.4	207.1	198.7
GÖTEBORG													
1957	224	199	185	190	201	214	215	221	231	236	219	228	214
1958	212	212	194	197	209	208	219	222	214	224	211	220	212
VARBERG													
1957	222.6	221.4	204.6	196.5	203.5	213.3	217.1	(223.7)	232.6	237.3	223.5	(227.6)	(218.6)
1958	(213.0)	216.8	198.2	198.3	211.2	211.8	223.0	223.0	213.8	227.3	214.4	222.1	214.4
KLAGSHAMN													
1957	209	229	208	203	208	210	218	224	231	234	231	231	219.7
1958	228	230	215	194	219	215	224	229	215	225	219	..	..
YSTAD													
1957	213.4	230.1	208.4	206.5	210.8	213.5	222.6	227.1	237.0	236.9	235.8	229.4	222.6
1958	229.5	235.1	223.2	200.3	221.8	216.4	222.6	229.4	215.3	225.3	220.3	226.0	222.1
KUNGS HOLMSFORT													
1957	(219.1)	(234.5)	(209.5)	(209.0)	(214.2)	(216.6)	(225.0)	230.5	240.4	243.2	238.1	(229.3)	(225.8)
1958	(237.6)	238.7	(224.1)	201.0	(224.4)	(218.2)	(226.6)	(230.4)	216.6	228.4	222.2	228.7	(224.7)
ÖLANDS N. UDDE													
1957	225	237	210	208	213	218	227	233	244	249	239	236	228.2
1958	240	240	(213)	199	226	217	228	233	215	229	222	229	224.3
LANDSORT													
1957	198.0	208.1	179.6	177.0	184.4	190.8	198.9	204.9	215.2	221.4	207.8	206.9	199.4
1958	210.0	206.3	186.9	169.8	198.7	188.1	199.6	204.5	185.8	199.9	194.1	200.3	195.3
NEDRE SÖDERTÄLJE													
1957	199	209	184	178	185	191	197	202	213	220	208	208	200
1958	210	205	189	170	199	189	200	206	187	198	195	197	195
STOCKHOLM													
1957	(201.7)	(211.6)	184.5	(180.8)	190.6	195.1	202.6	208.2	220.3	227.2	213.8	212.8	(204.1)
1958	215.2	209.8	189.5	172.9	203.2	192.2	202.9	208.4	188.2	202.0	197.4	204.2	198.8

SWEDEN

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
BJÖRN												Unit : 1 cm.	
1957	187.8	198.2	167.1	162.2	170.8	178.0	184.6	191.4	206.3	213.9	202.1	203.7	188.8
1958	201.2	193.2	171.0	154.5	184.9	172.9	185.4	191.5	170.9	184.4	181.2	187.2	181.5

NEDRE GÄVLE

1957	188	199	170	163	172	180	186	194	207	212	202	199	189.3
1958	201	192	174	157	187	175	188	194	174	185	184	188	183.3

DRAGHÄLLAN

1957	173.5	182.6	153.9	147.2	153.6	163.6	169.7	175.3	188.6	195.0	181.1	181.3	172.1
1958	183.8	(172.2)	154.0	139.1	168.7	155.8	168.5	176.6	152.5	166.4	166.3	168.6	164.4

RATAN

1957	171.3	175.9	148.8	142.4	151.1	160.9	164.1	172.1	180.7	196.5	185.9	181.5	169.3
1958	183.9	171.4	151.9	139.9	171.9	157.1	170.3	178.3	152.9	168.3	173.1	163.5	165.2

FURUÖGRUND

1957	177.7	179.0	154.3	145.1	152.1	163.3	166.4	174.9	183.3	200.6	189.3	184.4	172.5
1958	182.2	166.0	148.7	136.5	165.7	(154.9)	166.3	175.8	151.5	164.7	172.2	162.8	162.3

FINLAND

KEMI

Unit : 1 cm.

1957	186.0	185.7	160.4	151.7	159.2	171.7	171.6	182.0	187.1	211.9	200.4	190.7	179.9
1958	188.9	175.0	158.1	144.2	173.2	163.6	177.5	186.7	163.2	176.5	188.5	170.1	172.1

OULU/ULEÄBORG (formerly TOPPILA)

1957	186.7	187.2	161.2	153.9	161.8	174.0	172.9	(181.8)	187.2	211.7	202.3	193.4	181.2
1958	190.0	177.3	161.3	147.1	179.3	167.5	179.0	185.3	165.1	179.7	187.1	170.8	174.1

RAAHE/BRAHESTAD (formerly HORNANKALLIO)

1957	184.2	185.0	157.9	150.2	157.9	170.0	170.0	177.9	183.8	207.0	(197.4)	(190.7)	177.7
1958	188.3	173.9	155.6	141.9	171.8	161.3	174.8	180.8	158.3	170.4	182.1	167.3	168.9

PIETARSAARI/JAKOBSTAD (formerly LEPPÄLUOTO)

1957	177.2	180.3	153.2	145.3	152.8	163.6	166.1	174.8	181.8	200.5	188.9	185.4	172.5
1958	182.6	170.7	151.4	137.7	168.3	156.5	169.7	176.8	155.0	167.9	174.3	165.2	164.7

VAASA/VASA (formerly VASKILUOTO)

1957	(178.8)	(184.5)	156.9	149.1	158.1	169.0	172.6	179.6	(188.0)	203.5	190.8	190.8	(176.8)
1958	(187.9)	175.4	156.6	143.0	173.5	161.5	175.0	(180.2)	(158.5)	(171.9)	173.7	171.2	(169.0)

FINLAND

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
KASKINEN/KASKÖ												Unit : 1 cm.	
1957	182.0	188.1	(159.1)	151.8	160.8	169.4	174.9	181.1	193.1	206.2	192.8	194.2	179.5
1958	191.1	179.9	159.4	145.1	175.6	163.0	175.8	184.0	160.6	175.3	175.3	175.0	171.7

MÄNTYLUOTO

1957	184.4	190.6	160.9	155.7	164.0	172.8	177.9	184.0	196.2	209.0	194.0	197.3	182.2
1958	192.6	183.6	163.5	148.1	178.9	166.1	178.9	185.8	163.6	178.4	177.2	177.4	174.5

RAUMA/RAUMO

1957	185.3	192.2	162.3	158.1	166.0	174.6	180.2	186.8	198.1	210.6	195.2	198.5	184.0
1958	194.1	185.9	165.7	150.0	181.2	168.5	181.7	188.2	166.6	181.3	179.5	180.6	176.9

TURKU/ÅBO (formerly RUISSALO)

1957	190.9	197.4	167.1	164.9	172.0	179.5	186.4	193.9	204.8	217.3	199.8	206.3	190.0
1958	199.0	193.6	171.9	155.8	188.0	174.4	188.6	193.8	173.0	188.4	184.2	187.3	183.2

DEGERBY

1957	189.4	197.1	167.7	164.1	171.4	179.7	185.8	192.3	204.6	213.2	198.3	201.2	188.7
1958	198.3	192.2	172.0	(156.1)	186.6	174.4	187.3	192.8	172.6	187.2	183.1	186.7	182.4

HANKO/HANGÖ

1887	..	..	..	..	..	..	..	..	..	..	213.7	235.0	..
1888	212.3	196.0	169.2	181.3	207.0	(199.8)	210.0	214.5	207.1	..	..	(230.4)	..
1889	212.0	224.7	195.0	193.0	178.4	194.8	211.6	231.7	216.0	203.1	208.2	209.8	206.5
1890	(222.5)	206.7	206.7	198.8	189.0	217.5	221.8	220.1	215.1	241.5	212.8	193.0	212.1
1891	(191.0)	211.9	(212.1)	179.0	194.0	191.2	201.4	217.3	(221.3)	211.8	197.0	(216.3)	(203.7)
1892	..	..	..	..	..	..	221.8	(216.3)	(220.2)	204.4	195.5	212.7	(206.9)
1893	..	..	..	(209.5)	188.6	205.6	204.7	215.9	240.1	236.6	238.1	230.0	(214.4)
1894	213.2	251.9	..	..	..	202.0	208.9	219.7	(218.2)	(197.5)	(214.7)	222.0	(210.8)
1895	201.7	176.7	(197.1)	208.8	(185.4)	194.1	218.8	(216.2)	228.2	(227.1)	223.7	211.0	207.4
1896	212.1	223.4	201.6	197.5	203.7	204.9	217.2	213.1	203.0	206.4	205.7	(189.5)	206.5
1957	196.5	202.5	172.5	171.3	177.9	185.2	191.5	199.0	209.9	222.2	203.6	211.5	195.3
1958	204.0	200.0	177.2	161.0	192.8	179.8	192.2	197.1	178.5	193.7	188.6	192.9	188.1

HELSINKI/HELSINGFORS

1957	202.7	204.6	173.5	173.9	180.2	188.7	193.0	201.3	211.8	227.2	206.8	218.2	198.5
1958	(206.9)	201.2	177.2	161.2	194.7	181.9	195.4	199.1	180.0	195.9	192.0	194.3	190.0

HAMINA/FREDRIKSHAMN

1957	206.0	207.4	174.0	175.1	181.8	191.9	195.2	(203.5)	212.0	230.6	206.5	225.6	200.8
1958	207.8	204.0	177.3	160.7	197.3	182.9	199.0	201.6	181.0	197.3	195.7	193.0	191.4

SOVIET UNION (BALTIC COAST)

KALININGRAD

Unit : 1 cm.

1957	..	..	..	..	..	..	508	514	530	530	520	522	..
1958	521	523	501	481	507	500	510	514	496	517	504	512	507

DENMARK

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
GEDSER													
													Unit : 1 metre
1957	-0.027	0.145	-0.002	-0.039	0.008	0.010	0.115	0.124	0.202	0.172	0.200	0.110	0.084
1958	0.144	0.187	0.158	-0.081	0.109	0.074	0.075	0.187	0.066	0.126	0.082	0.114	0.104
RØDBYHAVN													
1957	-0.037	0.122	0.007	-0.036	0.015	-0.011	0.091	0.094	0.159	0.147	0.215	0.097	0.071
1958	0.107	0.161	0.152	-0.090	0.082	0.068	0.073	0.161	0.060	0.084	0.074	0.116	0.087
KØBENHAVN													
1957	0.068	0.067	-0.110	-0.103	-0.040	0.009	0.071	0.095	0.194	0.209	0.141	0.136	0.061
1958	0.015	0.095	-0.051	-0.154	0.005	-0.013	0.098	0.097	-0.004	0.122	0.008	0.110	0.027
HORN BÆK													
1957	0.075	0.034	-0.158	-0.135	-0.073	0.009	0.054	0.083	0.197	0.214	0.079	0.136	0.043
1958	-0.027	0.062	-0.153	-0.132	0.001	-0.013	0.098	..	-0.011	0.146	-0.027	0.095	..
KORSØR													
1957	0.081	0.117	-0.024	-0.039	0.002	0.019	0.094	0.100	0.182	0.199	0.184	0.160	0.089
1958	0.068	0.152	0.052	-0.071	0.047	0.066	0.105	0.145	0.074	0.139	0.056	0.162	0.083
SLIPSHAVN													
1957	0.075	0.065	-0.056	-0.071	-0.023	0.011	0.069	0.076	0.159	0.158	0.155	0.156	0.065
1958	0.006	0.148	0.015	-0.053	0.006	0.029	0.097	0.108	0.052	0.134	0.015	0.139	0.058
MOMMARK													
1957	0.017	0.154	0.036	-0.015	0.041	0.057	0.132	0.136	0.184	0.172	0.237	0.148	0.108
1958	0.135	0.190	0.157	-0.037	0.084	0.090	0.115	0.208	0.125	0.143	0.093	0.171	0.123
FREDERICIA													
1957	0.060	0.087	-0.020	-0.061	-0.019	-0.005	0.070	0.071	0.139	0.149	0.168	0.129	0.064
1958	0.062	0.147	0.043	-0.037	0.011	0.032	0.084	0.127	0.082	0.130	0.020	0.145	0.070
AARHUS													
1957	0.062	0.038	-0.081	-0.133	-0.102	-0.038	0.024	0.047	0.108	0.143	0.086	0.131	0.024
1958	-0.008	0.082	-0.079	-0.081	-0.061	-0.027	0.049	0.073	0.034	0.113	-0.034	0.124	0.015
FREDERIKSHAVN													
1957	0.057	0.024	-0.127	-0.177	-0.142	-0.047	-0.001	0.048	0.124	0.161	0.016	..	..
HIRTSHALS													
1957	-0.024	-0.014	-0.185	-0.263	-0.200	-0.093	-0.023	0.016	0.099	0.142	..	0.081	..
1958	-0.041	-0.035	-0.329	-0.224	-0.107	-0.119	0.032	0.001	-0.044	0.117	-0.051	0.008	-0.066
ESBJERG													
1957	0.244	0.235	0.058	-0.137	-0.073	0.023	0.094	0.212	0.305	0.346	0.133	0.232	0.139
1958	0.261	0.243	-0.188	-0.087	0.028	0.002	0.189	0.163	0.120	0.285	0.077	0.260	0.113

NETHERLANDS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Unit : 1 cm.													
DELFSIJL													
1956	4.6	-29.4	-14.7	-7.1	-8.2	-4.5	4.1	9.2	-2.3	9.4	4.3	-5.1	-3.3
1957	2.8	4.2	-6.9	-17.5	-13.4	-7.4	-2.2	3.7	14.4	10.9	-4.0	0.7	-1.2
1958	4.3	13.8	-23.1	-12.8	-11.4	-10.0	3.3	0.8	-0.3	11.3	-8.8	7.1	-2.2
TERSCHELLING													
1956	5.1	-30.7	-19.2	-18.1	-16.6	-11.8	-1.5	5.2	-6.2	6.1	1.6	-2.9	-7.4
1957	-0.6	1.6	-8.5	-26.0	-20.4	-16.0	-6.8	2.0	10.5	8.1	-2.7	2.7	-4.7
1958	4.8	9.1	-22.0	-18.4	-8.3	-11.7	0.8	0.1	0.9	9.0	-8.6	9.9	-2.9
HARLINGEN													
1956	6.4	-30.2	-18.1	-16.1	-13.3	-8.0	3.8	9.7	-6.0	7.3	2.1	-4.0	-5.5
1957	1.0	5.8	-4.1	-21.5	-15.7	-10.3	-2.8	9.5	17.4	12.0	-3.2	2.5	-0.8
1958	9.0	13.8	-19.9	-15.0	-10.8	-9.7	6.3	2.8	3.9	14.4	-7.1	10.7	-0.1
DEN HELDER													
1956	1.2	-32.1	-20.2	-21.8	-20.9	-16.6	-6.6	-1.0	-12.4	0.7	-4.6	-10.6	-12.1
1957	-7.8	-2.9	-13.4	-29.5	-24.4	-19.6	-11.3	-2.4	5.1	2.2	-9.4	-4.0	-9.8
1958	-0.8	3.7	-23.8	-20.6	-15.1	-14.2	-1.9	-1.9	-1.6	7.2	-11.1	7.2	-6.1
IJMUIDEN													
1956	5.7	-33.3	-19.5	-18.7	-16.2	-10.0	0.4	4.4	-7.3	6.5	1.6	-4.4	-7.6
1957	-1.5	3.8	-6.8	-23.0	-18.9	-13.1	-4.4	1.8	10.1	6.1	-5.5	-1.1	-4.4
1958	0.7	4.4	-21.6	-19.0	-13.8	-10.1	0.5	0.3	0.7	7.0	-10.1	9.3	-4.3
HOEK VAN HOLLAND													
1956	2.5	-27.2	-13.2	-14.7	-15.3	-8.6	0.3	5.3	-3.2	8.2	2.8	-3.9	-5.6
1957	-2.0	6.4	-3.1	-15.8	-12.4	-9.1	0.1	5.2	12.1	5.9	-0.6	1.2	-1.0
1958	8.7	17.8	-9.0	-10.9	-7.6	-5.2	-0.6	-1.3	-2.6	4.2	-11.6	7.6	-0.9
HELLEVOETSLUIS													
1956	8.8	-24.6	-8.2	-8.1	-8.6	-2.9	7.4	11.2	0.8	14.6	9.5	-0.7	-0.1
1957	2.6	11.3	2.4	-10.9	-7.9	-3.4	5.1	11.9	18.3	11.6	1.8	6.2	4.1
1958	11.2	19.2	-6.2	-4.8	-2.0	-0.9	9.0	7.6	9.0	15.9	-0.9	19.1	6.4
BROUWERSHAVEN													
1956	-3.5	-32.6	-19.5	-18.0	(-20.1)	(-15.3)	(-6.8)	(-2.2)	(-11.7)	3.0	-2.8	-14.0	-12.0
1957	-10.2	-2.9	-11.2	-21.2	-18.2	-14.6	(-7.7)	-3.3	4.6	-0.2	-6.8	-3.9	-8.0
1958	-1.8	3.6	-18.8	-16.4	-15.9	-12.4	-4.1	-4.0	-1.6	5.9	-11.0	8.7	-5.6
ZIERIKZEE													
1956	-1.4	-29.8	-13.6	-14.0	-14.6	-9.9	-2.0	2.0	-7.8	4.1	-1.9	-12.3	-8.4
1957	-8.5	-0.4	-6.6	-18.0	-13.1	-11.1	-2.7	0.5	8.6	2.1	-7.6	-2.5	-4.9
1958	0.0	6.6	-16.5	-13.6	-13.2	-11.0	-2.4	-1.5	-0.8	5.2	-9.4	8.4	-4.0
VLISSINGEN													
1956	-5.4	-32.3	-22.2	-22.1	-21.7	-15.7	-7.1	-0.6	-8.2	3.9	-1.7	-10.4	-12.0
1957	-8.9	0.9	-9.0	-23.9	-20.2	-16.9	-8.5	-2.5	4.4	-0.4	-7.7	-4.7	-8.1
1958	-1.8	3.0	-17.8	-15.8	-14.7	-11.7	-3.7	-3.3	-1.3	3.8	-10.5	7.7	-5.5

FRANCE (WEST COAST)

Unit : 1 cm.													
BREST													
1957	448.7	469.7	465.3	443.6	451.9	451.9	452.4	452.5	455.5	455.0	461.4	469.8	456.5
1958	462.0	459.9	458.8	444.1	451.0	456.8	456.6	462.1	468.8	457.3	452.5	476.6	458.8

BRITISH ISLES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
LERWICK												Unit : 1 foot	
1957	3.38	3.52	3.26	2.72	2.78	2.87	3.02	3.12	3.30	3.69	3.26	3.62	3.212
1958	3.35	3.26	2.78	2.80	2.91	2.87	3.10	3.24	3.25	3.48	3.26	3.81	3.176
ABERDEEN													
1957	1.06	1.19	0.91	0.35	0.48	0.56	0.73	0.77	0.93	1.19	0.90	1.23	0.86
1958	0.91	0.96	0.50	0.53	0.58	0.56	0.72	0.95	0.95	1.10	0.81	1.36	0.83
LEITH													
1957	22.501	22.726	22.688	22.046	22.237	22.085	22.441	22.471	22.616	22.680	22.467	22.511	22.455
TYNEMOUTH (North Shields)													
1957	7.923	8.015	7.803	7.406	7.531	7.591	7.656	7.766	7.998	8.142	7.902	8.170	7.828
1958	7.882	8.019	7.466	7.508	7.560	7.628	7.803	7.932	7.916	7.982	7.726	8.251	7.802
SHEERNESS													
1957	0.17	0.33	(0.12)	0.00	-0.06	0.07	0.09	-0.04	0.22	0.27	0.11	0.17	0.12
1958	-0.10	0.18	(-0.09)	-0.16	-0.39	-0.08	0.07	0.14	0.08	0.21	0.06	0.45	0.03
DOVER													
1957	9.497	9.847	9.498	9.278	9.259	9.415	9.783	9.609	9.869	9.792	9.651	9.758	9.605
1958	9.708	9.869	9.391	9.340	9.340	9.310	9.678	9.763	9.706	9.726	9.546	10.126	9.625
NEWLYN													
1957	9.472	10.054	9.865	9.189	9.444	9.503	9.550	9.654	9.834	9.551	9.436	9.711	9.605
1958	9.750	9.799	9.821	9.333	9.506	9.638	9.708	9.822	9.941	9.703	9.541	10.278	9.737
MILFORD HAVEN (Newton Noyes Pier)													
1957	-0.08	0.55	(0.53)	-0.35	-0.09	-0.12	0.18	-0.29	-0.24	-0.24	0.34	0.61	0.07
1958	0.70	0.39	0.45	-0.26	-0.12	-0.17	0.51	0.76	0.77	(0.84)	(0.49)	(0.93)	0.44
AVONMOUTH													
1957	21.37	22.10	21.67	21.00	21.31	21.46	21.86	21.86	21.94	21.83	21.74	21.74	21.65
1958	21.91	22.12	21.75	21.31	21.83	21.68	22.13	21.81	22.03	22.10	21.54	22.36	21.87
HOLYHEAD													
1957	26.34	26.79	26.90	25.56	26.15	25.80	26.175	26.24	26.09	25.95	26.30	26.60	26.241
*LIVERPOOL (Princes Pier)													
1958	(15.391)	..	14.806	14.568	14.672	14.665	14.855	15.062	15.456	15.358	(14.787)	15.609	(15.031)

* Errata for 1956 data: April, (14.639); yearly mean, 15.047.

BRITISH ISLES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
BIRKENHEAD (Alfred Dock)													Unit : 1 foot
1955	..	..	..	..	..	..	..	15-044	15-409	15-398	15-424	15-781	..
1956	15-554	14-663	(15-122)	14-945	14-949	14-852	15-190	15-335	15-383	15-195	15-010	15-443	15-140
1957	15-184	15-440	15-281	14-434	14-795	14-831	15-083	15-314	15-400	15-375	15-185	15-389	15-155
1958	15-438	15-377	14-907	14-683	15-045	15-071	15-224	15-452	(15-544)	15-404	15-073	15-776	15-241
STORNOWAY													
1957	7-58	7-71	7-63	6-79	7-10	7-16	7-25	7-32	7-40	7-74	7-43	7-87	7-415
1958	7-64	7-47	7-18	6-99	7-06	7-12	7-24	7-50	7-65	7-61	7-35	7-69	7-350
DOUGLAS													
1957	10-89	11-28	11-06	10-12	10-51	10-50	10-74	10-67	10-74	10-81	10-69	11-07	10-76
1958	10-83	10-72	10-58	10-26	10-59	10-58	10-58	10-78	10-87	10-72	10-36	11-23	10-68
MALIN HEAD													
1958	..	8-528	7-868	8-198	8-158	8-248	8-428	8-538	8-598	8-218	8-268	8-858	..
BELFAST													
1957	6-806	7-141	6-900	6-265	6-315	6-349	(6-441)	6-409	6-581	(6-676)	6-676	6-952	6-626
1958	6-700	6-826	6-490	6-258	6-290	(6-479)	6-546	6-645	6-780	6-759	6-341	7-174	6-621
DUBLIN													
1957	6-790	7-325	7-175	6-350	6-720	6-685	6-845	7-005	7-065	7-115	7-125	7-260	6-955
1958	7-185	7-265	7-125	6-695	7-040	7-105	7-110	7-185	7-265	7-075	6-845	7-570	7-122

CHANNEL ISLANDS

ST. HELIER—JERSEY													Unit : 1 foot
1955	19-23	19-38	18-64	18-61	19-01	19-08	19-02	19-10	19-33	19-28	19-24	19-48	19-116
1956	19-20	18-38	18-88	18-73	18-58	18-79	19-10	19-24	19-29	19-04	18-91	19-27	18-952
1957	18-79	19-41	19-23	18-51	18-86	18-99	19-22	19-15	19-25	19-12	19-14	19-24	19-071
1958	19-13	19-22	19-04	18-73	19-01	19-29	19-25	19-35	19-38	(19-18)	(18-98)	19-67	(19-185)

PORTUGAL

LAGOS													Unit : 1 metre
1957	-2-8329	-2-8939	-2-8265	-2-8310	-2-8259	-2-8420	-2-7717	-2-7860	-2-7694	-2-7205	-2-7521	-2-7832	-2-8013
1958	-2-8375	-2-8245	-2-8578	-2-8686	-2-8664	-2-8353	-2-8655	-2-8061	-2-8089	-2-7765	-2-7714	-2-7250	-2-8200
CASCAIS													
1957	-4-2996	-4-2712	-4-1902	-4-2808	-4-2649	-4-2764	-4-2399	-4-2596	-4-2229	-4-1809	-4-1871	-4-2320	-4-2415
1958	-4-2932	-4-2462	-4-2527	-4-3244	-4-3438	4-2862	-4-3190	-4-2644	-4-2524	-4-2382	-4-2393	-4-1874	-4-2713

FRANCE (SOUTH COAST)

MARSEILLE													Unit : 1 metre
1947	0-031	0-209	0-186	-0-014	0-066	0-042	0-072	0-089	0-097	0-097	0-118	0-164	0-096
1948	0-145	0-044	-0-093	0-037	0-146	0-074	0-063	0-088	0-102	0-126	0-088	0-114	0-078
1949	-0-011	-0-073	-0-013	-0-042	0-071	0-054	0-094	0-067	0-143	0-150	0-228	0-126	0-066
1950	0-068	0-045	0-016	0-081	0-052	0-035	0-033	0-059	0-035	0-084	0-137	0-198	0-070
1951	0-142	0-190	0-148	0-048	0-130	0-086	0-062	0-167	0-373	0-443	0-525	0-325	0-220
1952	0-325	0-308	0-240	0-191	0-243	0-229	0-215	0-199	0-206	0-247	0-131	..	..
1953	..	0-058	-0-091	0-070	0-057	0-146	..	0-056	0-130	0-183	0-069	0-118	..
1954	0-058	0-149	0-142	0-008	0-118	0-077	0-051	0-059	0-026	0-062	0-173	0-094	0-085
1955	0-181	0-212	0-116	0-061	0-036	0-104	0-130	0-146	0-139	0-210	0-248	0-165	0-146
1956	0-153	0-142	0-121	0-122	0-052	0-056	0-097	0-105	0-153	0-083	0-144	0-094	0-110
1957	0-038	0-104	0-072	0-084	0-132	0-125	0-094	0-095	0-092	0-171	0-268	0-275	0-129
1958	0-175	0-126	0-195	0-170	0-100	0-128	0-118	0-144	0-148	0-163	0-171	0-406	0-170

ITALY

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
GENOVA													
Unit : 1 metre													
1952	-3-262	-3-256	-3-238	-3-269	-3-230	-3-216	-3-235	-3-229	-3-200	-3-184	-3-200	-3-170	-3-224
1953	-3-235	-3-264	-3-461	-3-272	-3-271	-3-175	-3-264	-3-244	-3-198	-3-186	-3-292	-3-273	-3-261
1954	-3-278	-3-208	-3-198	-3-321	-3-203	-3-220	-3-228	-3-232	-3-263	-3-258	-3-180	-3-229	-3-235
1955	-3-190	-3-134	-3-225	-3-320	-3-310	-3-289	-3-209	-3-217	-3-195	-3-086	-3-167	-3-204	-3-212
1956	-3-227	-3-255	-3-284	-3-246	-3-319	-3-295	-3-255	-3-216	-3-253	-3-279	-3-243	-3-306	-3-265
1957	-3-331	-3-294	-3-328	-3-314	-3-259	-3-262	-3-241	-3-246	-3-245	-3-219	-3-148	-3-171	-3-255
1958	-3-252	-3-278	-3-203	-3-226	-3-292	-3-238	-3-240	-3-216	-3-244	-3-228	-3-240	-3-069	-3-227

PORTO CORSINI													
Unit : 1 cm.													
1952	96-8	93-6	87-6	82-7	86-8	90-6	94-2	91-5	96-1	100-8	106-2	115-4	95-0
1953	106-2	100-4	70-5	98-1	96-1	103-4	91-8	94-4	96-9	100-9	96-0	97-3	95-7
1954	96-2	105-5	100-8	87-9	101-7	96-7	97-7	93-5	90-5	98-3	105-8	101-0	97-9
1955	109-2	81-0	106-7	90-5	91-3	95-9	103-4	100-9	104-2	113-5	112-5	106-2	104-4
1956	106-1	105-7	100-5	101-5	94-5	96-0	97-8	102-7	95-0	96-1	108-1	91-6	99-6
1957	92-4	92-7	87-1	92-3	95-9	92-0	94-2	92-7	98-7	103-9	118-2	107-7	97-4
1958	105-8	102-5	110-4	116-3	98-3	104-0	104-8	105-8	105-2	106-6	111-5	126-0	108-1

TRIESTE													
Unit : 1 metre													
1953	1-606	1-569	1-303	1-585	1-567	1-661	1-556	1-550	1-605	1-619	1-500	1-504	1-552
1954	1-515	1-581	1-581	1-461	1-624	1-568	1-599	1-562	1-528	1-545	1-620	1-525	1-559
1955	1-516	1-629	1-544	1-532	1-598	1-657	1-649	1-614	1-641	1-712	1-668	1-664	1-618
1956	1-610	1-557	1-554	1-625	1-559	1-565	1-599	1-646	1-565	1-565	1-605	1-505	1-579
1957	1-496	1-545	1-468	1-490	1-557	1-549	1-587	1-570	1-577	1-573	1-664	1-615	1-557
1958	1-560	1-515	1-600	1-598	1-529	1-603	1-603	1-605	1-577	1-603	1-614	1-808	1-601

YUGOSLAVIA

SPLIT rt. MARJANA													
Unit : 1 cm.													
1956	75-8	79-7	71-2	73-4	67-1	68-5	70-6	73-9	67-6	69-3	75-6	66-1	71-57
1957	67-45	68-02	62-64	64-84	71-97	68-93	68-51	67-15	69-12	74-92	82-60	77-13	70-27

BAKAR													
1957	63-7	70-2	60-6	63-2	68-9	67-4	70-5	67-5	69-7	71-0	80-2	77-3	69-2
1958	73-0	71-9	77-0	74-7	67-1	73-4	72-8	72-5	69-3	73-3	76-2	97-0	74-9

ROVINJ													
1956	96-87	96-66	89-30	92-87	89-80	92-25	96-43	101-72	94-68	95-15	102-47	89-56	94-81
1957	90-54	92-51	85-98	87-84	94-30	92-87	95-85	94-60	95-58	99-78	106-10	101-45	94-78

SPLIT HARBOUR													
1956	59-55	63-91	56-03	59-13	52-15	54-00	55-34	58-62	51-90	54-11	62-60	52-54	56-66
1957	52-56	55-91	49-98	51-05	58-66	55-28	54-76	53-36	55-43	60-73	69-01	64-83	56-80

VIS													
1957	43-13	44-58	39-60	36-29	42-35	41-12	41-77	39-76	40-10	46-75	56-79	56-63	44-07

USCE NERETVE													
1957	72-02	72-86	67-73	70-95	79-55	73-29	73-51	71-49	73-99	78-90	85-32	78-67	74-86

MALI STON													
1957	141-87	141-21	137-39	137-58	146-02	141-41	143-63	141-17	143-46	149-33	156-86	153-93	144-49

BROCE													
1957	107-01	107-85	102-16	101-75	109-06	105-53	105-10	103-36	105-94	112-20	120-05	114-66	107-89

YUGOSLAVIA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit: 1 cm.
DUBROVNIK													
1956	111-30	118-34	108-18	108-82	105-13	105-07	106-29	109-97	104-66	107-00	113-86	105-29	108-66
1957	105-77	105-80	101-18	101-49	108-86	105-94	106-63	104-34	106-48	112-90	120-66	115-75	107-98

HERCEGNOVI

1956	63-88	71-26	60-76	61-98	58-01	58-08	58-83	57-38	53-45	56-22	65-47	55-72	60-09
1957	56-97	57-45	52-28	50-74	58-53	58-40	56-30	52-64	54-20	60-34	66-49	60-04	57-03

TURKEY

													Unit : 1 metre
ANTALYA													
1936	1-412	1-396	1-478	1-459	1-429	1-358	1-308	1-315	1-367	1-391	1-406	1-411	1-394
1937	1-498	1-386	1-443	1-470	1-537	1-482	1-352	1-352	1-385	1-466	1-337	1-392	1-425
1939	1-486	1-729	1-645	1-644	1-512	1-440	1-343	1-360	1-356	1-386	1-442	1-375	1-476
1940	1-362	1-390	1-514	1-493	1-430	1-417	1-327	1-346	1-460	1-435	1-398	1-357	1-411
1941	1-308	1-409	1-507	1-470	1-482	1-411	1-350	1-349	1-339	1-522	1-404	1-588	1-436
1942	1-447	1-405	1-459	1-528	1-331	1-377	1-344	1-333	1-367	1-395	1-381	1-490	1-404
1943	1-413	1-616	1-625	1-571	1-541	1-502	1-411	1-342	1-426	1-444	1-496	1-538	1-494
1944	1-528	1-470	1-418	1-499	1-465	1-447	1-347	1-317	1-430	1-438	1-347	1-401	1-425
1945	1-298	1-421	1-580	1-479	1-468	1-380	1-277	1-258	1-260	1-371	1-296	1-211	1-358
1957	1-522	1-521	1-487	1-520	1-456	1-450	1-371	1-368	1-405	1-438	1-435	1-441	1-451
1958	1-449	1-577	1-437	1-483	1-493	1-433	1-441	1-310	1-372	1-441	1-536	1-376	1-446
IZMIR													
1937	1-419	1-259	1-325	1-317	1-417	1-365	1-269	1-286	1-270	1-349	1-247	1-233	1-312
1938	1-331	1-347	1-486	1-387	1-338	1-352	1-338	1-320	1-302	1-341	1-329	1-317	1-349
1939	1-277	1-429	1-377	1-365	1-305	1-285	1-252	1-287	1-283	1-284	1-333	1-270	1-312
1940	1-359	1-280	1-377	1-338	1-238	1-278	1-257	1-290	1-300	1-247	1-261	1-290	1-293
1941	1-195	1-227	1-378	1-365	1-335	1-294	1-267	1-269	1-308	1-379	1-315	1-447	1-315
1942	1-342	1-283	1-313	1-348	1-367	1-316	1-338	1-328	1-360	1-311	1-292	1-402	1-333
1943	1-338	1-548	1-554	1-479	1-418	1-401	1-344	1-321	1-353	1-327	1-342	1-405	1-402
1944	1-316	1-485	1-255	1-309	1-219	1-232	1-251	1-305	1-353	1-301	1-262	1-337	1-302
1945	1-218	1-386	1-453	1-324	1-318	1-317	1-274	1-264	1-275	1-313	1-248	1-269	1-305
1957	1-465	1-427	1-465	1-472	1-359	1-358	1-300	1-346	1-357	1-345	1-340	1-287	1-377
1958	1-322	1-401	1-279	1-297	1-339	1-316	1-276	1-282	1-320	1-216	1-430	..	(1-316)
ISKENDERUN													
1956	3-211	2-123						2-962	2-972	3-191	3-195	3-126	..
1957	3-249	3-252	3-214	3-272	3-174	3-128	3-024	3-039	3-084	3-185	3-176	3-147	3-162
1958	3-190	3-298	3-111	3-140	3-150	3-087	..	2-956	2-997	3-000	3-225	3-082	3-112
EREGLISI													
1956	3-103	3-023	3-064	3-073	3-055	3-045	3-100	3-207	3-228	3-297	3-273	3-234	3-142
1957	3-159	3-178	3-179	3-151	3-093	3-035	3-081	3-138	3-163	3-212	3-184	3-162	3-145
1958	3-121	3-142	3-005	2-952	2-908	2-856	2-947	3-037	3-099	3-181	3-222	3-264	3-061
TRABZON													
1956											2-723	2-717	2-705
1957	2-729	2-748	2-704	2-733	2-654	2-606	2-625	2-649	2-744	2-776	2-767	2-728	..
1958	..	2-676	2-582	2-480	2-452	2-414	2-421	2-532	2-628	2-710	2-745	..	(2-564)

SOVIET UNION (BLACK SEA)

													Unit : 1 cm.
PORT TUAPSE													
1957	..	..	..	..	..	..	135	132	125	117	120	126	..
1958	133	139	143	152	152	157	157	144	135	126	119	117	140

ISRAEL

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit : 1 cm.
1957											0.440	0.450	
1958	0.420	0.244	0.396	0.356	0.339	0.389	0.470	0.521	0.503	0.408	0.265	0.432	0.395

MOROCCO

													Unit : 1 metre
1957	..	..	..	..	..	..	-4.248	-4.254	-4.211	-4.135	-4.124	-4.178	..
1958	-4.256	-4.241	-4.278	-4.340	-4.364	-4.291	..	..	..	..	..	..	..

AZORES

													Unit : 1 cm.
1957	130.8	123.4	114.1	115.3	119.3	121.1	124.4	126.7	131.8	127.8	(126.5)	126.0	123.9
1958	122.0	120.5	118.8	120.2	117.9	121.8	121.2	124.1	128.0	131.2	127.9	128.9	123.5
													Unit : 1 metre
1957	..	..	..	..	..	..	..	127.3	128.8	129.4	126.8	125.8	..
1958	123.8	117.6	119.5	122.8	121.9	126.2	129.8	133.9	132.8	135.6	113.1	125.6	125.2
													Unit : 1 metre
1956	1.256	1.267	1.228	1.227	1.387	1.319	1.334	1.348	1.375	1.410	1.373	1.350	1.323
1957	1.330	1.244	1.214	1.220	1.274	..	1.231	1.255	1.251	1.237	1.230	1.248	(1.249)
1958	1.217	1.129	1.164	1.198	1.207	1.272	1.253	1.313	1.313	1.347	1.311	1.223	1.246

PONTA DELGADA

													Unit : 1 cm.
1956	140.6	138.5	134.1	133.6	129.2	129.6	130.8	131.0	136.4	144.8	147.3	140.8	136.4
1957	136.9	132.1	131.9	137.5	141.2	139.1	140.9	137.0	137.2	132.8	130.9	136.2	136.1
1958	138.0	128.5	134.5	135.4	128.4	134.1	139.7	143.1	140.2	138.6	..	131.1	(135.6)

ANGRA DO HEROISMO (B)

													Unit : 1 foot
1957	..	..	..	..	..	..	3.44	3.74	3.87	3.81	3.96	3.67	..
1958	3.84	..	..	3.58	3.61	3.64	3.86	4.00	..	..	..	..	..

SENEGAL

													Unit : 1 metre
1957	..	..	..	..	..	..	..	-1.301	-1.259	-1.268	-1.250	-1.271	..
1958	-1.400	-1.406	-1.367	-1.330	-1.315	-1.250	-1.190	-1.185	-1.237	-1.239	-1.231	-1.347	-1.291

GOLD COAST

													Unit : 1 foot
1950	3.080	3.489	3.118	3.263	3.326	2.921	2.646	2.560	2.715	2.982	3.362	3.069	3.023
1952	3.250	3.350	3.124	3.048	3.277	3.100	2.712	2.763	2.966	3.324	3.460	3.094	3.124
1953	2.998	3.324	3.435	3.230	3.048	2.848	2.766	2.777	2.989	3.245	3.354	3.182	3.115
1954	3.109	3.413	3.430	3.270	3.184	2.762	2.726	2.761	2.984	3.511	3.666	3.229	3.159
1955	3.124	3.288	3.410	3.294	3.166	3.109	2.819	2.798	2.986	3.574	3.499	3.157	3.170
1956	3.103	3.171	3.373	3.247	3.202	2.795	2.717	2.706	2.962	3.310	3.385	3.028	3.091
1957	3.194	3.116	3.254	3.155	3.202	2.822	2.888	2.745	2.983	3.176	3.435	3.229	3.075

SOUTH AFRICA

													Unit : 1 foot
1958	..	..	..	..	..	..	..	(5.48)	5.435	5.52	5.475	5.603	..
													Unit : 1 foot
1958	..	..	..	..	..	..	..	(4.91)	4.93	4.975	4.955	5.09	..

* Annual means taken from 1 April to 31 March of following year

SOUTH AFRICA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit: 1 foot
PORT NOLLOTH													
1957	..	..	..	..	..	..	..	..	..	(4.54)	4.685	(4.63)	..
1958	(4.635)	(4.57)	4.52	(4.45)	4.44	(4.33)	4.51	4.48	..	4.67	(4.78)	..	..
ROBBEN ISLAND													
1957	..	..	..	..	..	..	..	..	..	..	..	5.245	..
1958	(5.225)	5.11	5.05	5.095	(5.14)	5.095	5.245	5.14	(5.11)	(5.26)	(5.43)	5.374	(5.184)
TABLE BAY HARBOUR (Duncan Dock)													
1957	..	..	..	..	..	..	..	..	..	2.60	2.69	2.56	..
1958	2.62	2.54	2.54	2.53	2.57	2.47	2.71	2.60	2.62	2.71	2.87	2.90	2.64
SIMONS BAY													
1957	..	..	..	..	..	..	..	..	..	(4.055)	4.255	4.195	..
1958	(4.145)	4.12	4.055	4.065	4.02	3.96	4.13	4.045	4.165	4.25	4.37	4.331	4.138
HERMANUS													
1958	..	..	..	..	..	..	..	..	(5.17)	5.17	5.335	5.137	..
STOMPNEUS BAY													
1957	..	..	..	..	..	..	..	..	..	(5.365)	(5.47)	5.38	..
1958	5.445	5.34	5.22	5.14	(5.15)	(5.25)	(5.345)	(5.055)	5.315	5.45	5.252	5.411	(5.297)
MOSSEL BAY													
1958	..	..	..	..	..	..	4.795	4.69	4.69	4.81	5.05	4.784	..

MADAGASCAR

													Unit: 1 metre
NOSY-BÉ													
1958	(-5.497)	(-5.569)	-5.453	-5.431	-5.502	-5.482	..	..	..	..	..	..	..

MAURITIUS

													Unit: 1 foot
GRAND PORT													
1958	..	..	..	..	..	2.00	1.85	2.05	2.06	..	..	..	..

ARABIA

													Unit: 1 foot
ADEN													
†1957	4.54	4.50	4.47	4.70	4.78	4.45	4.13	3.86	4.04	4.30	4.54	4.76	4.422
†1958	4.86	4.75	4.76	4.77	4.85	4.77	4.24	3.99	4.20	4.17	4.52	4.74	4.552
*1957	..	..	..	..	..	..	4.078	3.854	4.071	4.272	4.607	4.763	..
*1958	4.897	4.851	4.852	4.895	4.870	4.792	4.300	4.064	4.286	4.273	4.512	4.733	4.610

PAKISTAN (WEST)

													Unit: 1 foot
KARACHI (Manora)													
1957	..	..	..	..	..	..	(5.61)	(5.65)	5.38	5.26	5.62	5.43	..
1958	5.46	5.43	(5.49)	5.83	5.86	6.10	5.75	5.18	5.35	5.35	5.63	5.81	5.60

INDIA

													Unit: 1 foot
MUNDRA													
†1956	10.86	10.72	11.08	10.81	..	10.93	10.52	10.50	..	10.48	10.66	..	..
†1957	..	10.67	10.95	11.01	..	11.16	11.13	10.49	10.24	10.40	10.92	10.66	..
†1958	(10.58)	10.67	10.81	10.99	(10.88)	..	..	..	10.85	(10.87)	..	11.12	..
*1957	..	..	..	..	..	..	..	10.737	10.461	10.564	11.047	10.782	..
*1958	..	10.812	10.874	11.136	..	..	..	..	10.973	..	..	11.249	..

† From high and low waters
* From hourly heights

INDIA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
KANDLA												Unit : 1 foot	
†1957	12.01	11.75	12.17	12.35	12.29	12.49	12.29	11.94	11.73	11.68	12.23	11.91	12.070
†1958	11.92	11.80	11.94	12.27	12.27	12.65	12.23	11.92	12.08	11.73	11.92	12.35	12.090
*1957	..	..	..	..	..	..	12.906	12.580	12.288	12.279	12.656	12.300	..
*1958	12.327	12.352	12.476	12.829	12.869	13.237	12.828	12.510	12.645	12.307	12.403	12.837	12.635
VERĀVAL													
†1955	..	..	..	..	..	5.04	4.99	4.86	5.30	5.44	5.43	5.61	..
†1956	5.29	5.15	5.19	4.99	4.90	5.09	4.72	4.73	4.76	5.17	5.29	5.23	5.043
†1957	5.17	4.87	5.11	5.35	5.27	5.71	(4.81)	4.89	5.05	5.03	5.36	5.54	5.180
*1957	..	..	..	..	..	..	5.010	4.925	4.548	4.916	5.514	5.386	..
*1958	5.091	4.813	5.218	5.293	5.208	5.659	4.766	4.821	..	4.952	5.287	5.491	(5.145)
BHĀUNAGAR													
†1956	19.27	19.20	19.22	19.02	19.24	19.44	19.06	19.22	18.89	18.94	18.85	18.90	19.104
†1957	19.12	18.75	19.06	19.24	19.08	19.56	19.37	19.25	18.92	18.95	19.30	19.10	19.142
†1958	19.06	18.95	19.02	19.25	19.28	19.82	19.46	19.22	19.34	18.98	19.16	19.35	19.241
BOMBAY (APOLLO BANDAR)													
†1957	8.83	8.36	8.54	8.72	8.45	8.72	8.67	8.52	8.19	8.20	8.22	8.05	8.456
†1958	8.58	8.37	8.27	8.52	8.30	(8.42)	8.92	8.54	8.60	8.14	8.50	8.92	8.507
*1957	..	..	..	..	..	..	8.444	8.369	..	8.145	8.131	7.943	..
*1958	8.393	8.231	8.118	8.380	8.156	..	8.715	8.380	8.500	8.072	8.407	8.786	(3.376)
RATNĀGIRI													
†1957	..	..	..	..	..	..	..	..	..	5.46	5.98	5.94	..
*1957	..	..	..	..	..	..	..	..	..	5.843	6.356	6.303	..
*1958	6.233	..	..	6.536	..	..	..	..	..	..	4.843	..	..
MANGALORE													
†1957	3.50	3.15	3.27	3.27	3.00	3.30	3.81	3.12	2.56	2.96	3.36	3.36	3.222
†1958	3.26	..	..	..	..	3.30	3.86	2.98	2.72	..	..	..	..
*1957	..	..	..	..	..	..	3.769	3.098	2.589	2.985	3.374	3.371	..
*1958	3.223	3.091	2.888	3.159	3.318	3.282	3.830	2.947	2.724	2.532	3.124	3.550	3.139
COCHIN													
†1939	2.31	2.14	2.21	2.07	1.82	2.12	2.07	1.80	1.83	2.13	2.24	2.64	2.115
†1940	2.02	1.80	1.56	1.82	1.76	1.82	1.74	1.80	1.50	1.81	2.18	2.16	1.831
†1941	2.00	1.98	1.74	1.71	1.72	1.84	1.72	1.74	1.68	1.77	2.08	2.00	1.832
†1942	2.03	1.98	2.10	1.68	1.56	1.66	1.91	1.55	1.50	1.79	2.07	2.22	1.838
†1943	2.28	2.14	1.88	1.78	1.86	1.86	1.80	1.55	1.53	1.82	2.08	2.36	1.912
†1944	2.14	1.97	2.02	1.87	1.61	1.70	1.71	1.60	1.64	1.81	2.02	2.05	1.845
†1945	2.06	1.94	1.92	1.74	1.56	1.64	1.68	1.70	1.52	1.72	2.26	2.18	1.827
†1946	2.02	2.06	1.93	1.96	..	1.84	1.92	1.76	1.66	1.82	2.06	2.10	..
†1947	2.12	2.21	1.97	1.82	1.76	1.73	1.84	2.14	1.74	1.82	2.35	2.34	1.987
†1948	2.30	2.16	2.24	2.10	1.68	2.04	1.81	1.86	1.74	2.12	2.20	2.22	2.039
†1949	2.27	2.24	2.19	1.97	1.94	2.08	2.10	1.83	1.82	1.74	2.24	2.37	2.066
†1950	2.27	2.08	2.20	2.03	1.63	1.95	1.80	1.88	1.76	2.04	2.27	2.65	2.047
†1951	2.44	2.18	2.28	2.08	1.94	1.87	1.84	1.51	1.82	2.01	2.26	2.18	2.034
†1952	2.07	2.24	2.08	2.02	1.60	1.82	1.64	1.77	1.68	1.86	2.26	2.55	1.966
†1953	2.42	2.20	2.06	1.90	1.56	1.78	2.09	1.85	1.62	2.03	2.20	2.38	2.008
†1954	2.26	2.32	2.28	1.96	1.87	1.96	2.00	1.96	1.75	2.22	2.32	2.50	2.117
†1955	2.54	2.51	2.24	2.10	1.98	2.08	1.84	1.67	2.06	2.08	2.01	2.63	2.145
†1957	2.40	2.16	2.24	2.24	2.06	..	2.15	1.86	1.60	1.92	2.37	2.29	..
†1958	2.24	2.18	2.16	2.16	2.08	2.14	2.03	(1.99)	1.84	1.74	2.27	2.70	2.128
*1957	..	..	..	..	..	..	2.149	1.847	1.560	1.894	2.396	2.302	..

† From high and low waters

* From hourly heights

INDIA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit : 1 foot
MADRAS													
†1957	1·87	1·62	1·78	1·81	1·82	2·12	1·92	2·21	2·19	2·26	2·49	2·29	2·032
†1958	1·85	1·58	1·58	1·44	1·92	2·06	1·83	2·02	2·05	2·44	3·06	2·47	2·025
*1957	..	..	..	..	..	..	1·896	2·190	2·179	2·253	2·485	2·271	..
*1958	1·864	1·572	1·563	1·410	1·913	2·071	1·828	2·013	2·049	2·443	3·046	2·466	2·020
VISĀKHAPATNAM													
†1957	2·19	1·89	2·12	1·93	1·96	2·87	2·79	3·04	3·21	3·05	2·84	2·56	2·538
†1958	2·23	1·90	1·96	2·04	2·56	2·94	2·90	3·07	3·08	3·56	3·84	3·02	2·758
*1957	..	..	..	..	..	..	2·801	3·043	3·220	3·055	2·842	2·562	..
*1958	2·243	1·878	1·976	2·026	2·578	2·952	2·930	3·105	3·082	3·594	3·855	3·038	2·771
SAUGOR													
†1957	9·78	9·70	9·78	9·84	10·40	11·44	11·42	11·72	11·46	11·12	10·52	10·03	10·601
†1958	9·94	9·58	9·62	9·94	10·70	11·30	11·42	11·44	11·52	11·31	11·34	10·40	10·709
*1957	..	..	..	..	..	..	11·293	11·563	11·282	10·998	10·425	9·951	..
*1958	9·861	9·465	9·574	9·880	10·612	11·163	11·279	11·233	11·373	11·182	11·215	10·316	..
DIAMOND HARBOUR													
†1957	9·24	9·36	9·53	9·74	10·29	10·88	11·13	11·42	11·12	10·36	9·93	9·53	10·211
†1958	9·44	9·30	9·28	9·88	10·59	10·99	11·16	11·44	11·26	10·92	10·79	9·97	10·418
*1957	..	..	..	..	..	..	..	..	..	..	..	9·636	..
*1958	9·564	..	9·450	10·077	10·772	..	11·316	11·601	..	11·086	10·896	..	..
CALCUTTA (GARDEN REACH)													
†1957	8·79	8·63	8·81	9·26	9·95	10·46	11·53	12·33	12·27	10·33	9·31	8·77	10·037
†1958	8·63	8·53	8·59	9·22	10·05	(10·35)	10·86	12·61	12·23	11·67	10·60	9·71	10·254
*1957	..	..	..	..	..	..	11·715	12·576	12·438	10·555	9·570	8·998	..
*1958	8·921	8·916	8·906	9·669	10·354	..	11·096	12·780	12·440	11·833	10·785	9·623	(10·484)

PAKISTAN (EAST)

													Unit : 1 foot
CHITTAGONG (Sadarghat)													
1957	..	..	..	..	..	..	8·79	8·53	8·24	7·18	6·21	5·70	7·13
1958	5·63	5·47	5·63	6·22	7·37	7·98	8·48	8·56	8·51	7·91	7·39	6·38	..
CHITTAGONG (Patenga Point)													
1957	..	..	..	..	..	..	9·81	9·66	9·17	8·44	7·81	7·31	..
1958	7·35	7·16	7·36	7·92	8·82	9·70	9·96	9·87	9·59	9·21	8·95	8·07	8·66

BURMA

													Unit : 1 foot
MOULMEIN													
1957	4·55	4·73	5·02	5·20	5·83	7·80	9·04	9·50	8·64	7·06	5·62	4·67	6·472
1958	4·56	4·74	4·78	5·12	6·00	7·18	8·92	9·15	8·80	7·09	6·00	4·92	6·438
AMHERST													
1957	8·68	9·09	9·30	9·68	10·38	11·47	11·18	11·10	10·60	9·86	9·36	8·84	9·961
1958	8·96	8·92	9·32	9·82	10·72	11·39	11·43	11·04	10·64	10·27	10·04	9·10	10·138

ANDAMAN ISLANDS

													Unit : 1 foot
PORT BLAIR													
†1957	3·88	3·71	3·72	3·79	3·85	3·91	4·17	4·12	3·94	3·84	3·84	3·86	3·886
†1958	3·80	3·65	3·62	3·79	3·86	4·20	4·17	4·09	4·19	(4·13)	4·21	4·09	3·983
*1957	..	..	..	..	..	..	4·162	4·114	3·961	3·814	3·825	3·830	..
*1958	3·756	3·624	3·612	3·768	3·827	4·180	4·153	4·056	4·159	..	4·191	4·061	(3·944)

† From high and low waters

* From hourly heights

THAILAND (SIAM)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
KO TA-PHAO NOI (PHUKET)												Unit : 1 dm.	
1950	11-605	11-369	11-163	12-615	12-850	13-245	13-153	12-934	13-417	14-772	13-733	12-887	12-737
1951	11-481	12-018	11-740	12-270	12-445	13-254	13-005	12-694	12-302	12-116	10-958	10-670	12-078
1952	9-009	7-769	9-859	11-814	11-859	13-579	12-910	12-256	11-677	12-454	12-045	10-897	11-344
1953	9-688	9-784	9-223	9-962	12-006	13-000	11-670	11-077	11-845	12-467	12-911	10-483	11-176
1954	11-092	10-886	9-982	11-656	12-117	12-673	12-908	12-837	11-707	11-943	11-671	10-349	11-652
1955	9-024	9-718	9-608	9-955	12-426	13-792	12-995	12-496	12-588	12-623	12-550	12-014	11-649
1956	10-785	10-588	9-096	10-176	11-840	12-642	10-869	12-094	11-536	12-229	12-681	11-581	11-343

PHRACHUAP KIRIKHAN

1950	26-712	27-108	26-577	26-303	25-102	23-602	23-704	23-705	24-529	26-287	27-950	27-960	25-786
1951	27-676	27-005	26-687	25-725	24-976	24-237	23-782	22-851	25-203	25-295	27-131	27-465	25-661
1952	27-076	26-747	25-919	25-587	24-348	23-203	23-278	23-434	24-025	25-685	27-746	27-570	25-385
1953	27-502	27-328	25-673	25-840	24-134	23-619	23-714	23-117	23-830	25-877	26-887	27-377	25-386
1954	26-887	26-900	26-833	24-685	24-065	22-873	23-176	23-238	23-408	26-874	26-998	27-811	25-308
1955	28-014	25-739	25-609	25-210	24-179	22-690	22-935	23-852	24-512	26-813	27-039	27-543	25-345
1956	27-045	25-929	26-085	25-050	23-714	23-215	23-146	23-248	24-053	27-217	27-999	27-570	25-399

BANGKOK BAR

1950	26-486	27-261	27-066	26-352	24-504	23-036	22-619	23-553	25-117	27-205	27-716	27-598	25-698
1951	27-546	27-076	..	..	..	24-574	24-196	23-962	25-296	25-993	26-642	26-578	(25-763)
1952	26-539	26-646	25-568	25-151	23-999	23-499	24-313	24-557	24-636	..	27-587	26-983	(25-407)
1953	27-199	27-527	26-374	27-813	25-294	24-487	24-694	24-270	25-064	26-158	26-852	26-711	26-037
1954	26-802	27-220	27-497	25-441	24-719	..	..	..	..	..	..	27-040	(26-453)
1955	27-414	26-544	26-572	25-740	24-797	23-997	23-941	..	25-090	26-443	26-233	26-834	(25-782)
1956	26-802	25-930	26-042	24-593	23-822	22-871	22-801	23-116	23-106	25-870	25-670	24-915	24-628

PHRACHUL

1950	26-196	27-190	26-990	26-888	25-372	24-417	24-511	25-009	25-758	27-048	27-935	27-051	26-188
1951	26-680	26-960	27-208	26-146	25-212	24-710	24-424	24-969	26-563	26-809	27-885	27-704	26-272
1952	27-437	28-391	26-918	26-688	25-418	24-451	24-773	24-913	24-906	23-358	27-511	28-062	26-069
1953	27-957	27-801	26-787	26-942	25-572	25-314	25-393	24-933	25-457	26-496	27-184	26-888	26-394
1954	26-706	26-870	26-967	25-459	24-811	24-085	24-334	24-824	..	27-892	27-518	27-964	(26-130)
1955	27-583	27-350	27-444	26-277	25-626	24-510	23-645	..	24-816	26-172	25-722	26-184	(25-939)
1956	26-335	25-822	25-751	24-444	23-961	23-584	24-090	24-403	..	..	..	..	(24-799)

KO SICHANG

1950	25-052	26-068	25-292	24-830	23-683	22-437	22-498	23-024	23-768	25-225	25-892	25-878	24-460
1951	25-983	25-970	26-064	24-778	23-931	23-513	23-182	23-013	24-730	24-911	26-092	26-225	24-858
1952	26-398	26-528	25-685	25-214	23-767	22-535	23-002	23-498	23-937	24-986	26-764	26-196	24-826
1953	26-653	27-056	25-187	25-214	23-628	22-980	22-961	22-794	23-634	24-721	25-708	25-767	24-692
1954	25-786	25-912	26-071	23-922	23-130	21-199	21-450	21-704	22-326	24-507	24-687	25-120	23-818
1955	25-530	24-375	24-168	23-334	23-045	22-097	21-718	22-803	23-448	25-138	25-010	25-624	23-857
1956	25-407	24-758	25-227	23-747	22-846	22-280	22-263	22-580	23-142	25-297	24-335	25-935	23-939

CHINA

MACAU-SIAC

Unit : 1 cm.

1957	233-6	232-7	233-7	226-8	232-0	236-7	233-3	233-9	262-3	247-3	245-0	237-2	237-8
1958	230-0	228-7	229-9	223-7	238-2	238-4	230-4	233-9	255-9	256-1	246-9	234-7	237-2

CHINA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Unit : 1 foot													
HONG KONG													
*1953	4-75	4-91	4-59	4-66	4-60	4-57	4-32	4-72	5-40	5-32	5-48	5-43	4-89
*1955	4-78	(4-33)	4-50	4-30	(4-27)	..	(4-57)	4-83	5-06	5-88	5-57	5-10	(4-83)
*1956	(4-99)	4-78	4-79	4-98	4-84	4-43	4-69	4-93	5-03	5-21	5-38	4-83	4-91
1957	4-40	4-51	4-48	4-21	4-31	4-40	4-06	4-28	5-12	4-82	4-78	4-62	4-50
1958	4-43	4-33	4-24	4-00	4-41	4-50	4-25	4-25	4-99	5-16	4-86	4-50	4-49

SOVIET UNION (PACIFIC COAST)

Unit : 1 cm.													
YUZHNO KURILSK													
1957	..	..	..	..	..	..	142	144	146	143	139	139	..
1958	145	138	141	134	139	143	145	146	147	138	138	..	..
NAGAEVA BAY													
1957	..	..	..	..	..	..	360	358	357	367	372	350	..
1958	346	339	348	344	354	363	358	356	347	358	368	359	353
PETROPAVLOVSK													
1957	..	..	..	..	..	..	124	130	125	134	140	134	..
1958	146	138	142	139	136	123	125	119	121	125	131	139	132
UGOLNAJA BAY													
1957	..	..	..	..	..	..	69	77	72	74	78	65	..
1958	68	69	73	76	63	56	61	61	..	..	..	..	..

JAPAN

Unit : 1 metre													
OSHORO													
1950	-1-610	-1-700	-1-675	-1-692	-1-567	-1-540	-1-472	-1-432	-1-506	-1-597	-1-595	-1-601	-1-581
1951	-1-654	-1-696	-1-672	-1-660	-1-559	-1-457	-1-499	-1-407	-1-352	-1-501	-1-592	-1-587	-1-553
1952	-1-646	-1-684	-1-714	-1-529	-1-615	-1-513	-1-472	-1-426	-1-383	-1-484	-1-552	-1-610	-1-560
1953	-1-582	-1-650	-1-685	-1-649	-1-565	-1-503	-1-475	-1-429	-1-452	-1-515	-1-547	-1-597	-1-553
1954	-1-607	-1-670	-1-715	-1-678	-1-599	-1-594	-1-557	-1-530	-1-526	-1-523	-1-562	-1-582	-1-595
1955	-1-603	-1-567	-1-677	-1-663	-1-598	-1-513	-1-446	-1-453	-1-583	-1-615	-1-578	-1-531	-1-569
1956	-1-589	-1-633	-1-700	-1-605	-1-539	-1-517	-1-483	-1-463	-1-483	-1-539	-1-496	-1-530	-1-548
1957	-1-606	-1-648	-1-614	-1-620	-1-566	-1-521	-1-470	-1-473	-1-498	-1-487	-1-554	-1-577	-1-553
1958	-1-604	-1-663	-1-609	-1-658	-1-567	-1-500	-1-450	-1-472	-1-482	-1-584	-1-613	-1-635	-1-569
ASAMUSHI													
1954	..	..	..	..	..	-2-975	-2-929	-2-866	-2-870	-2-850	-2-900	-2-933	..
1955	-2-941	-2-919	-3-051	-3-036	-2-960	-2-886	-2-799	-2-781	-2-858	-2-920	-2-911	-2-877	-2-912
1956	-2-913	-2-957	-3-067	-3-002	-2-938	-2-870	-2-846	-2-792	-2-816	-2-881	-2-851	-2-847	-2-898
1957	-2-953	-3-004	-2-956	-3-005	-2-928	-2-888	-2-831	-2-800	-2-807	-2-816	-2-889	-2-879	-2-896
1958	-2-948	-2-999	-2-970	-3-027	-2-956	-2-870	-2-813	-2-802	-2-795	-2-909	-2-927	-2-943	-2-912
NEZUGASEKI													
1955	..	..	-2-291	-2-268	-2-155	-2-083	-1-979	-1-942	-2-051	-2-121	-2-090	-2-065	..
1956	-2-109	-2-205	-2-307	-2-254	-2-186	-2-076	-2-010	-1-958	-1-983	-2-048	-1-972	-1-982	-2-091
1957	-2-167	-2-196	-2-132	-2-228	-2-137	-2-094	-1-979	-1-983	-2-010	-1-986	-2-059	-2-003	-2-081
1958	-2-068	-2-236	-2-190	-2-260	-2-170	-2-051	-1-963	-1-943	-1-929	-2-054	-2-097	-2-070	-2-084

* To replace values previously published.

JAPAN

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
KASHIWAZAKI													
													Unit : 1 metre
1955	..	..	..	..	..	-2.505	-2.399	-2.378	-2.468	-2.559	-2.532	-2.571	..
1956	-2.544	-2.645	-2.753	-2.711	-2.616	-2.490	-2.428	-2.385	-2.412	-2.481	-2.437	-2.462	-2.530
1957	-2.615	-2.645	-2.625	-2.687	-2.581	-2.525	-2.418	-2.388	-2.460	-2.435	-2.509	-2.440	-2.527
1958	-2.655	-2.666	-2.655	-2.701	-2.598	-2.480	-2.400	-2.377	-2.383	-2.479	-2.536	-2.561	-2.535
WAJIMA													
1950	-1.933	-2.068	-2.060	-2.050	-1.915	-1.862	-1.799	-1.709	-1.740	-1.863	-1.850	-1.903	-1.896
1951	-2.021	-2.050	-2.040	-2.041	-1.922	-1.774	-1.778	-1.718	-1.600	-1.786	-1.834	-1.906	-1.888
1952	-1.979	-2.056	-2.087	-2.006	-2.018	-1.876	-1.805	-1.716	-1.647	-1.770	-1.843	-1.884	-1.867
1953	-1.905	-2.049	-2.040	-2.055	-1.954	-1.814	-1.779	-1.697	-1.715	-1.796	-1.848	-1.936	-1.881
1954	-1.946	-2.054	-2.100	-2.057	-2.019	-1.909	-1.851	-1.811	-1.851	-1.824	-1.885	-1.877	-1.933
1955	-1.934	-1.958	-2.104	-2.072	-1.946	-1.867	-1.759	-1.748	-1.842	-1.979	-1.903	-1.879	-1.914
1956	-1.917	-2.020	-2.110	-2.072	-1.974	-1.866	-1.786	-1.737	-1.768	-1.856	-1.822	-1.878	-1.901
1957	-2.011	-2.034	-2.021	-2.066	-1.961	-1.900	-1.775	-1.761	-1.845	-1.812	-1.894	-1.872	-1.913
1958	-1.999	-2.052	-2.050	-2.100	-1.996	-1.841	-1.783	-1.768	-1.764	-1.875	-1.938	-1.944	-1.925
KOCHI													
1950	..	..	-2.988	-2.879	-2.758	-2.686	-2.720	-2.587	-2.652	-2.731	-2.738	-2.989	..
1951	-3.017	-2.981	-3.005	-2.952	-2.865	-2.704	-2.667	-2.735	-2.648	-2.753	-2.981	-3.077	-2.865
1952	-3.099	-3.034	-3.015	-2.988	-2.939	-2.902	-2.727	-2.659	-2.649	-2.770	-2.752	-2.930	-2.864
1953	-2.989	-3.024	-3.013	-2.935	-2.831	-2.739	-2.800	-2.686	-2.649	-2.740	-2.860	-2.962	-2.850
1954	-2.893	-3.004	-3.031	-3.003	-2.975	-2.780	-2.799	-2.772	-2.738	-2.675	-2.839	-2.931	-2.872
1955	-3.006	-2.979	-2.965	-2.963	-2.861	-2.884	-2.850	-2.811	-2.860	-2.847	-2.959	-2.990	-2.914
1956	-3.009	-3.071	-3.043	-2.957	-2.870	-2.729	-2.742	-2.773	-2.773	-2.803	-2.799	-2.971	-2.878
1957	-3.004	-3.018	-2.926	-2.964	-2.880	-2.792	-2.790	-2.798	-2.674	-2.795	-2.913	-2.890	-2.870
1958	-3.070	-2.999	-2.940	-2.995	-2.906	-2.757	-2.753	-2.804	-2.690	-2.829	-2.798	-2.944	-2.870
KAINAN													
1953	..	-2.778	-2.855	-2.740	-2.638	-2.474	-2.553	-2.459	-2.410	-2.496	-2.621	-2.718	(-2.613)
1954	-2.646	-2.765	-2.782	-2.759	-2.728	-2.515	-2.540	-2.512	-2.510	-2.428	-2.600	-2.677	-2.621
1955	-2.718	-2.713	-2.726	-2.712	-2.597	-2.618	-2.562	-2.548	-2.610	-2.653	-2.693	-2.721	-2.656
1956	-2.743	-2.794	-2.789	-2.695	-2.626	-2.482	-2.469	-2.496	-2.521	-2.544	-2.542	-2.726	-2.619
1957	-2.743	-2.753	-2.737	-2.703	-2.633	-2.507	-2.475	-2.496	-2.421	-2.548	-2.647	-2.613	-2.606
1958	-2.768	-2.773	-2.719	-2.719	-2.626	-2.463	-2.470	-2.512	-2.391	-2.546	-2.536	-2.662	-2.603
ABURATSUBO													
1950	-3.276	-3.392	-3.413	-3.321	-3.258	-3.167	-3.246	-3.148	-3.146	-3.186	-3.177	-3.293	-3.253
1951	-3.326	-3.311	-3.334	-3.352	-3.260	-3.168	-3.206	-3.197	-3.054	-3.120	-3.233	-3.320	-3.239
1952	-3.331	-3.243	-3.248	-3.340	-3.320	-3.263	-3.212	-3.098	-3.103	-3.147	-3.131	-3.204	-3.221
1953	-3.206	-3.334	-3.344	-3.314	-3.300	-3.193	-3.211	-3.086	-3.091	-3.116	-3.142	-3.243	-3.214
1954	-3.166	-3.315	-3.329	-3.315	-3.321	-3.167	-3.160	-3.138	-3.190	-3.061	-3.169	-3.210	-3.210
1955	-3.226	-3.257	-3.289	-3.320	-3.184	-3.215	-3.173	-3.136	-3.161	-3.208	-3.195	-3.164	-3.211
1956	-3.259	-3.313	-3.360	-3.337	-3.345	-3.176	-3.117	-3.185	-3.217	-3.160	-3.149	-3.266	-3.240
1957	-3.289	-3.275	-3.286	-3.325	-3.286	-3.184	-3.167	-3.238	-3.187	-3.164	-3.222	-3.221	-3.237
1958	-3.357	-3.348	-3.333	-3.385	-3.237	-3.193	-3.216	-3.229	-3.146	-3.220	-3.180	-3.247	-3.257
HOSOJIMA													
1950	-2.639	-2.691	-2.643	-2.493	-2.433	-2.430	-2.401	-2.238	-2.288	-2.422	-2.405	-2.616	-2.476
1951	-2.666	-2.614	-2.614	-2.593	-2.494	-2.392	-2.411	-2.430	-2.309	-2.386	-2.599	-2.687	-2.516
1952	-2.702	-2.659	-2.603	-2.581	-2.566	-2.489	-2.390	-2.348	-2.356	-2.420	-2.413	-2.567	-2.508
1953	-2.636	-2.653	-2.598	-2.590	-2.462	-2.447	-2.502	-2.373	-2.278	-2.403	-2.516	-2.596	-2.506
1954	-2.543	-2.646	-2.685	-2.638	-2.628	-2.430	-2.459	-2.434	-2.407	-2.342	-2.490	-2.567	-2.522
1955	-2.669	-2.626	-2.635	-2.603	-2.546	-2.523	-2.492	-2.460	-2.478	-2.483	-2.610	-2.585	-2.559
1956	-2.618	-2.670	-2.684	-2.598	-2.499	-2.453	-2.447	-2.429	-2.450	-2.420	-2.472	-2.661	-2.533
1957	-2.643	-2.615	-2.596	-2.672	-2.530	-2.461	-2.477	-2.422	-2.338	-2.507	-2.566	-2.622	-2.537
1958	-2.737	-2.667	-2.629	-2.723	-2.592	-2.429	-2.487	-2.523	-2.417	-2.496	-2.524	-2.675	-2.575

JAPAN

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
HANASAKI													Unit : 1 metre
1957	..	..	..	..	..	..	2-134	2-144	2-182	2-157	2-122	2-098.	..
1958	2-167	2-101	2-149	2-083	2-117	2-106	2-133	2-141	2-145	2-083	2-072	2-156	2-121
KUSHIRO													
1957	..	..	..	..	..	..	1-468	1-481	1-515	1-505	1-417	1-424	..
1958	1-477	1-419	1-455	1-400	1-431	1-433	1-504	1-517	1-521	1-419	1-387	1-445	1-451
HAKODATE													
1957	..	..	..	..	..	..	1-493	1-510	1-514	1-504	1-444	1-460	..
1958	1-416	1-368	1-393	1-336	1-413	1-465	1-514	1-533	1-536	1-427	1-418	1-438	1-438
IWASAKI													
1957	..	..	..	..	..	..	1-782	1-789	1-759	1-768	1-678	1-714	..
1958	1-629	(1-534)	1-559	1-526	1-618	1-724	1-795	1-806	1-783	1-672	1-633	(1-632)	(1-659)
MIYAZU													
1957	..	..	..	..	..	..	1-241	1-251	1-173	1-176	1-102	1-103	..
1958	0-950	0-933	0-938	0-915	1-033	(1-162)	1-226	1-229	1-251	1-140	1-078	(1-014)	(1-072)
SAKAI													
1957	..	..	..	..	..	..	1-530	1-528	1-403	1-397	1-324	1-316	..
1958	1-145	1-151	1-170	1-149	1-278	1-425	1-497	1-493	1-492	1-390	1-322	1-252	1-314
TONOURA													
1957	..	..	..	..	..	..	1-261	1-268	1-157	1-133	1-074	1-064	..
1958	0-892	0-901	0-927	0-906	1-023	1-170	1-215	1-230	1-218	1-113	1-039	0-961	1-050
SHIMONOSEKI													
1957	..	..	..	..	..	..	2-743	2-788	2-769	2-675	2-616	2-567	..
1958	2-403	2-434	2-470	2-426	2-549	2-731	2-719	2-717	2-757	2-646	2-595	2-499	2-579
UWAJIMA													
1957	..	..	..	..	..	..	2-293	2-345	2-388	2-273	2-210	2-143	..
1958	2-035	2-100	2-130	2-054	2-181	2-352	2-302	2-259	2-356	2-281	2-264	2-115	2-202
TOSA-SHIMIZU													
1957	..	..	..	..	..	..	1-781	1-782	1-870	1-782	1-696	1-684	..
1958	1-536	1-630	1-685	1-580	1-711	1-839	1-813	1-773	1-874	1-738	1-765	1-630	1-714
KOMATSUSHIMA													
1957	..	..	..	..	..	..	2-088	2-071	2-153	2-024	1-911	1-939	..
1958	1-781	1-780	1-845	1-835	1-946	2-101	2-095	2-060	2-164	2-015	2-034	1-898	1-963

JAPAN

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
TAKAMATSU													
													Unit : 1 metre
1957	..	..	..	..	..	..	2.070	2.070	2.124	2.001	1.895	1.901	..
1958	1.734	1.751	1.804	1.807	1.922	2.066	2.064	2.043	2.146	2.013	2.000	1.852	1.934
MATSUYAMA													
1957	..	..	..	..	..	..	2.433	2.472	2.504	2.401	2.349	2.307	..
1958	2.185	..	2.233	2.177	..	2.469	2.438	2.422	2.497	2.410	2.384	2.245	..
UNO													
1957	..	..	..	..	..	..	1.825	1.817	1.874	1.756	1.653	1.657	..
1958	1.489	1.500	1.550	1.545	1.644	1.816	1.824	1.787	1.887	1.755	1.747	1.599	1.679
WAKAYAMA													
1957	..	..	..	..	..	..	1.228	1.189	1.270	1.138	1.095	1.080	..
1958	0.904	0.924	0.969	0.962	1.065	1.232	1.239	1.178	1.310	1.166	1.197	1.062	1.101
TANNOWA													
1957	..	..	..	..	..	..	2.047	2.022	2.077	1.967	1.886	1.905	..
1958	1.742	1.735	1.793	1.783	1.891	2.030	2.052	2.019	2.121	1.983	2.001	1.860	1.918
KOBE													
1957	..	..	..	..	..	..	1.450	1.447	1.501	1.381	1.271	1.310	..
1958	1.153	1.151	1.189	1.183	1.278	1.442	1.481	1.455	1.568	1.407	1.399	1.272	1.332
KUSHIMOTO													
1957	..	..	..	..	..	..	1.811	1.808	1.873	1.772	1.686	1.694	..
1958	1.542	1.565	1.619	1.553	..	1.834	1.812	1.770	1.884	1.759	1.785	1.658	(1.707)
NAGOYA													
1957	..	..	..	..	..	..	2.126	2.098	2.110	2.037	1.990	1.952	..
1958	1.765	1.823	1.866	1.871	2.075	2.094	2.083	2.078	2.097	2.058	2.093	1.972	1.990
SHIMIZU													
1957	..	..	..	..	..	..	1.456	1.391	1.430	1.467	1.419	1.392	..
1958	1.240	1.296	1.307	1.254	1.437	1.440	1.417	(1.391)	1.491	1.444	1.551	1.436	(1.392)
UCHIURA													
1957	..	..	..	..	..	..	1.645	1.586	1.622	1.638	1.586	1.605	..
1958	1.416	1.458	1.493	1.440	1.617	1.623	1.626	1.650	1.654	1.604	1.651	1.594	1.569
ITO													
1957	..	..	..	..	..	..	2.159	2.083	2.143	2.167	2.126	2.118	..
1958	1.982	1.980	1.986	1.948	2.098	2.136	2.118	2.110	2.196	2.111	2.165	2.090	2.077

JAPAN

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Unit : 1 metre													
TOKYO													
1957	..	..	..	..	..	..	1-881	1-814	1-846	1-860	1-841	1-844	..
1958	1-713	1-719	1-737	1-710	1-875	1-902	1-912	1-905	1-870	1-663	1-834	1-802	1-804
MERA													
1957	..	..	..	..	..	..	1-294	1-207	1-271	1-301	1-244	1-244	..
1958	1-119	1-123	1-133	1-078	1-231	1-268	1-235	1-223	1-335	1-218	1-274	1-192	1-202
CHOSHI													
1957	..	..	..	..	..	..	1-115	1-113	1-126	1-442	1-090	1-075	..
1958	1-002	0-989	0-951	0-911	0-982	1-032	1-079	1-106	1-193	1-119	1-093	1-055	1-043
ONAHAMA													
1957	..	..	..	..	..	..	1-536	1-523	1-538	1-539	1-491	1-460	..
1958	1-391	1-378	1-362	1-333	1-411	1-460	1-511	1-530	1-597	1-481	1-469	1-478	1-450
AYUKAWA													
1957	..	..	..	..	..	..	1-752	1-744	1-750	1-747	..	1-706	..
1958	..	(1-512)	1-428	..	..	1-683	1-751	1-755	1-827	1-700	1-675	1-706	..
MIYAKO													
1957	..	..	..	..	..	..	1-214	1-242	1-215	1-239	1-178	1-153	..
1958	1-116	1-064	1-088	1-036	1-130	1-177	1-232	1-263	1-304	1-178	1-148	1-172	1-159
HACHINOHE													
1957	..	..	..	..	..	..	0-788	0-812	0-822	0-809	0-729	0-680	..
1958	0-650	0-632	0-622	0-599	0-689	0-732	0-795	0-839	0-881	0-738	0-722	0-686	0-715
NAZE													
1957	..	..	..	..	..	..	1-484	1-510	1-444	1-317	1-267	1-156	..
1958	1-110	1-079	1-049	1-088	1-274	1-312	1-344	1-307	1-414	1-351	1-277	1-210	1-235
MONBETU													
1958	3-491	3-412	3-464	3-408	3-460	3-465	3-515	3-524	3-514	3-427	3-427	3-511	3-468
OMINATO													
1958	1-516	1-452	1-497	1-443	1-563	1-607	1-650	1-653	1-657	1-585	1-573	1-561	1-563
YOKOSUKA													
1958	..	..	0-898	0-876	1-019	1-070	1-045	1-059	1-134	..	..	1-003	..
TOKUYAMA													
1958	2-428	2-549	2-575	2-504	2-550	2-737	2-699	2-685	2-752	2-659	2-639	2-493	2-606
MAIZURU													
1958	0-989	0-984	0-988	0-956	1-084	1-219	1-275	1-275	1-304	1-188	1-112	1-065	1-120
SASEBO													
1958	2-548	2-594	2-630	2-628	2-772	2-930	2-896	2-895	2-975	2-840	2-758	2-633	2-758

PHILIPPINE ISLANDS

Unit : 1 foot													
dMANILA													
1957	6-78	6-81	6-90	7-01	7-12	7-36	7-43	7-66	7-65	7-16	6-92	6-79	7-13
1958	6-65	6-69	6-73	6-85	7-04	7-25	7-43	7-36	7-68	7-29	7-05	6-80	7-07
dLEGASPI													
1957	5-03	5-02	5-14	5-27	5-39	5-37	5-37	5-50	5-31	5-19	4-76	4-96	5-19
1958	4-97	5-00	5-15	5-27	5-37	5-36	5-37	5-38	5-30	5-33	5-17	4-99	5-22

d Datum changed from previous publication. See Table A

PHILIPPINE ISLANDS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
TACLOBAN, LEYTE												Unit : 1 foot	
1957	4-96	4-99	..	..	..	..	5-15	5-59	..	..	..	..	..
1958	..	4-76	4-81	4-93	5-07	5-20	5-22	5-14	5-17	5-14	4-94	4-70	(5-01)
<i>d</i> CEBU													
1957	5-49	5-46	5-57	5-67	..	..	..	..	..	5-77	5-60	5-41	(5-57)
1958	..	..	..	..	..	..	..	..	..	..	5-55	5-42	..
DAVAO													
1957	5-86	5-89	5-97	6-10	6-17	6-21	6-32	6-27	..	6-03	5-91	5-72	(6-04)
1958	5-71	5-72	5-81	5-93	6-03	6-26	6-19	6-09	6-15	5-97	5-88	5-06	5-90
JOLO, SULU													
1957	6-64	6-17	6-55	6-55	6-57	6-67	6-60	6-63	6-67	6-64	6-54	6-46	(6-56)
1958	6-32	6-42	6-36	6-46	6-48	6-53	6-56	6-56	6-60	6-68	..	..	(6-50)

BORNEO

PULAU LAKEI												Unit : 1 foot	
1955	12-33	12-18	12-38	12-53	12-91	13-12	13-00	} 12-619
1956	12-94	12-59	12-54	12-51	12-40	

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PORT MORESBY, NEW GUINEA												Unit : 1 cm.	
1957	161-5	167-9	..
1958	165-5	172-2	166-1	165-8	155-1	158-5	159-4	155-1	156-4	(161-2)	..
DARWIN, NORTHERN TERRITORY												Unit : 1 cm.	
1957	..	..	..	..	..	..	..	..	..	..	396-5	394-2	..
1958	403-3	406-3	410-0	397-8	403-9	402-6	399	399	399	419	415	405	405-0
WEIPA, QUEENSLAND												Unit : 1 foot	
1957	..	..	..	..	..	..	..	4-65	4-52	4-97	5-42	5-66	} 5-334
1958	6-28	6-64	6-13	5-67	4-73	4-69	4-65	..	..	..	..	..
CAIRNS, QUEENSLAND												Unit : 1 cm.	
1957	..	..	..	..	..	..	144-6	144-7	139-7	138-7	138-0	148-1	..
1958	146-0	153-9	160-0	170-7	154-5	155-1	140-8	143-0	141-4	148-8	146-6	144-8	150-5
TOWNSVILLE, QUEENSLAND												Unit : 1 foot	
1957	..	..	..	..	..	..	153-0	152-4	148-1	152-0	147-1	158-1	..
1958	155-4	168-6	172-8	185-6	164-9	159-4	149-8	152-5	150-5	147-3	155-9	156-1	159-9

d Datum changed from previous publication. See Table A

AUSTRALASIA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
GLADSTONE, QUEENSLAND													Unit : 1 cm.
1957	..	..	..	..	..	..	222.5	224.6	217.0	213.4	219.5	223.1	..
1958	223.1	232.0	233.8	238.7	225.3	(231.7)	220.9	215.4	215.0	214.2	220.1	224.1	224.5
NORFOLK ISLAND													Unit : 1 cm.
1957	..	..	..	..	..	..	..	155.8	146.9	142.0	..	..	..
COFF'S HARBOUR, N.S.W.													Unit : 1 foot
1956	..	2.31	2.44	2.87	2.73	2.56	1.78	1.60	2.27	2.45	2.59	2.76	(2.20)
1957	2.25	2.30	2.80	..	..	2.64	3.03	2.65	2.90	2.78	2.56	2.56	(2.20)
1958	2.57	2.90	3.20	3.11	3.23	3.06	2.92	2.81	2.73	2.68	2.38	2.85	2.87
LORD HOWE ISLAND													Unit : 1 cm.
1957	..	..	..	..	..	..	105.3	108.0	97.6	105.4	127.3	122.7	..
1958	109.1	112.8	136.9	129.8	125.0	92.2	107.7	103.6	105.7	108.7	113.4	127.3	114.4
NEWCASTLE, N.S.W.													Unit : 1 foot
1946	..	2.92	3.00	3.56	3.21	3.45	3.11	3.00	2.68	2.55	2.65	2.77	2.74
*1947	2.79	2.65	2.94	3.03	3.05	3.18	3.14	2.82	2.78	2.64	2.49	2.70	2.85
1948	2.78	2.74	2.87	2.83	2.85	2.69	2.56	2.42	2.50	3.00	2.73	2.88	2.74
1949	3.03	3.23	3.26	3.26	3.15	3.51 r	3.07	2.89	3.02	3.11	3.11	3.22	3.16
1950	3.35	3.02	2.91	3.14	3.44	3.92 r	3.43 r	3.12 r	3.13 r	3.53 r	3.82 r	2.31 r	3.26 r
1951	3.06	3.11	3.47	4.04	3.28	3.53	3.43	3.46	3.11	3.19	3.45	3.10	3.35
1952	3.12	3.20	3.12	3.48	3.18	3.33	2.90	3.41 r	2.89	2.88	3.04	2.99	3.13
1953	2.97	3.07	3.06	3.19	3.62	3.44	3.22	3.17	2.87	2.76	2.97	2.96	3.11
1954	3.01	3.30	3.45	3.37	3.37	3.30	3.12	3.01	2.79	2.73	3.14	2.99	3.13
1955	3.12	3.35 r	3.26	3.38	3.53	3.45	3.21	3.40	3.01	3.17	3.36	3.33	3.30
1956	3.26	3.25	2.94 r	3.63 r	3.90	3.69	3.41	3.45	3.07	3.20	3.37	3.54	3.39
1957	3.29	3.34	3.38	3.50	3.37	3.16	3.42	2.98	3.20	3.22	3.26	3.26	3.28
1958	3.08	3.42	3.58	3.48	3.79	3.46	3.37	3.09	3.08	3.30	3.05	3.32	3.33
CAMP COVE, N.S.W.													Unit : 1 cm.
1957	..	..	..	..	..	..	96.0	86.0	89.0	92.4	96.0	95.4	..
1958	89.9	96.0	105.5	100.4	107.6	98.8	96.3	86.6	86.0	92.0	85.3	92.0	94.7
PORT KEMBLA, N.S.W.													Unit : 1 foot
1958	3.15	3.45	3.67	3.50	3.52	..	2.97	2.60	2.54	2.79	2.76	2.79	(3.07)
EDEN, N.S.W.													Unit : 1 cm.
1957	..	..	..	..	..	..	..	82.0	85.6	87.2	92.4	90.8	..
1958	84.4	86.0	94.8	86.6	..	89.3	93.9	84.4	79.9	85.6	82.9	..	..
WILLIAMSTOWN, VICTORIA													Unit : 1 foot
1952	1.75	1.69	1.62	1.77	1.91	2.37	1.60	1.54	1.75	1.56	1.94	1.83	1.77
1953	1.46	1.58	1.40	1.91	2.00	2.17	2.04	1.77	1.65	1.63	1.91	1.96	1.79
1954	1.27	1.58	2.00	1.81	1.94	1.93	1.79	1.62	1.42	1.25	1.77	1.71	1.67
1955	1.75	1.40	1.35	1.67	1.85	1.69	1.65	2.10	1.46	2.04	2.04	1.83	1.73
1956	1.64	1.39	1.27	2.17	1.98	2.15	1.81	1.94	1.62	1.73	1.81	2.00	1.79
1957	1.58	1.50	1.67	1.96	1.79	1.71	1.67	1.46	1.69	1.67	1.85	1.75	1.69
1958	1.50	1.46	1.69	1.46	2.31	1.72	1.96	1.62	1.42	1.69	1.62	1.50	1.66

* To replace values previously given in Publication Scientifique No. 12
r Values affected by river flow

AUSTRALASIA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
HOBART, TASMANIA												Unit : 1 cm.	
1957	..	..	..	..	..	..	321.2	318.2	322.2	325.2	329.2	329.2	..
1958	319.7	320.9	325.2	322.2	359.4	323.4	322.1	317.0	308.1	314.1	314.2	315.7	321.8
MAATSUYKER ISLAND, TASMANIA												Unit : 1 cm.	
1957	..	..	..	..	..	..	147.2	144.2	146.3	146.6	..	145.1	..
1958	139.9	139.6	146.6	(151.5)	146.4	..	..	..	..	..	..	..	..
CAPE SORRELL, TASMANIA												Unit : 1 cm.	
1957	..	..	..	..	..	..	..	90.2	92.0	90.5	96.6	95.7	..
1958	89.0	87.8	93.6	90.2	(120.1)	(104.6)	107.6	96.0	93.9	99.7	95.7	89.0	97.3
PORT MacDONNELL, TASMANIA												Unit : 1 cm.	
1957	..	..	..	..	..	..	64.1	58.9	62.2	56.1	63.9	61.1	..
1958	51.5	50.9	58.5	57.3	82.6	64.0	69.9	55.9	47.5	..	..	..	..
ALBANY, W.A.												Unit : 1 cm.	
1957	..	..	..	..	..	..	81.7	78.6	69.5	67.0	67.0	57.9	..
1958	66.4	61.9	74.1	68.9	86.3	79.9	87.5	68.6	57.6	48.7	51.8	63.4	67.9
BUNBURY, W.A.												Unit : 1 cm.	
1957	..	..	..	..	..	..	66.4	66.4	52.3	54.2	40.2	46.7	..
1958	51.8	51.2	61.6	58.5	76.2	82.0	83.5	62.8	51.2	54.6	57.6	57.9	62.4
FREMANTLE, W.A.												Unit : 1 foot	
1957	..	..	..	..	..	..	79.9	78.9	60.0	64.0	58.5	54.6	..
1958	61.9	57.3	65.2	63.1	77.4	76.5	88.1	72.5	59.7	64.6	75.0	75.6	69.7
PORT HEDLAND, W.A.												Unit : 1 foot	
1957	..	..	..	..	..	..	..	..	..	334.4	347.5	362.7	..
1958	(358.4)	(353.0)	(363.0)	(356.6)	(351.1)	(338.9)	(336.8)	340.2	(333.4)	333.1	327.4	330.4	343.5

MARIANAS ISLANDS

APRA HARBOUR, GUAM												Unit : 1 foot	
1948	(2.50)	(2.55)	(2.65)	2.95	3.03	3.08	2.91	3.03	(3.00)	2.35	(2.45)	(2.60)	(2.76)
1949	2.38	2.51	2.59	2.68	2.70	2.86	2.95	3.04	3.04	2.85	2.59	2.89	2.76
1950	2.94	2.98	3.06	3.07	3.11	2.99	2.96	2.70	2.64	2.42	2.38	2.31	2.80
1951	2.24	2.28	2.56	2.73	2.84	2.91	2.87	2.88	2.79	2.71	2.51	2.41	2.64
1952	2.51	2.62	2.79	2.77	2.73	2.84	2.83	2.88	2.62	2.71	2.63	2.56	2.71
1953	2.63	2.76	2.84	2.92	2.88	3.06	3.20	(3.15)	3.04	2.93	3.00	2.88	2.94
1954	2.83	3.03	3.07	3.19	3.02	3.02	2.92	2.97	2.77	2.62	2.55	2.49	2.87
1955	2.40	2.75	2.79	2.82	2.84	2.84	2.87	2.90	2.93	2.70	2.68	2.68	2.77
1956	2.62	2.76	2.76	2.87	2.81	2.68	2.61	2.61	2.39	2.32	2.32	2.32	2.59
1957	2.64	2.78	2.79	2.82	2.72	2.79	2.99	2.98	2.92	2.80	2.59	2.46	2.77

CAROLINE ISLANDS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit : 1 foot
1947	..			..	..	..	..	..	..	3.71			..
1948	..	3.52	3.61	..	..	..	..	..	..	..	3.66	3.71	..
1949	..			3.58	..	..	..	..	..	3.61	3.77		..
1950	..	3.55	3.72	3.68	3.61	3.58	..	..	..	..	3.84	3.60	..
1951	3.40	3.54	3.80	3.45	3.27	..	..	..	..	..	2.93	2.75	..
1952											3.55	3.33	..
1953	3.30	3.33	3.66	3.74	3.77	3.67	3.67	3.48	3.23	3.17	3.20	3.06	3.44
1954	3.06	3.36	3.46	3.65	3.62	3.56	3.43	3.47	3.70	3.86	3.76	3.62	3.55
1955	3.65	3.89	3.80	3.63					3.81	3.85	4.05		
1956	(3.65)	3.65	3.75	3.64	3.52	3.49	3.34	3.51	3.62	3.62	3.52	3.36	3.56
1957	3.58	3.56	3.60	3.75	3.54	3.56	3.42	3.39	3.16	3.04	2.96	2.72	3.36
1958	2.74	3.01	3.36	3.61	3.65	3.51	3.28	3.26	3.46	3.41	3.26	(3.50)	3.34

MARSHALL ISLANDS

													Unit : 1 foot
1951					4.45	4.59	4.47	4.50	4.43	4.24	4.08	4.07	..
1952	3.91	4.11	4.27	4.21	4.26	4.46	4.61	4.62	4.56	4.48	4.33	4.24	4.34
1953	4.22	4.31	4.45	4.46	4.55	(4.60)	(4.64)	(4.70)	4.78	4.68	4.55	4.51	4.54
1954	4.56	4.49	4.32	4.41	4.57	4.46	4.25	4.37	4.30	4.13	4.20	4.28	4.36
1955	4.32	4.49	4.47	4.53	4.41	4.40	4.45	4.50	4.51	4.58	4.55	4.48	4.47
1956	4.42	(4.30)	4.34	4.24	4.10	4.36	4.36	4.39	4.41	4.49	4.51	(4.38)	4.36
1957	4.39	4.42	4.40	4.41	4.41	4.64	4.62	4.62	4.54	4.31	(4.24)	4.10	4.42
1958	3.88	4.06	4.12	4.13	4.43	4.45	4.38	4.40	4.43	4.32	4.31	4.26	4.26

KWAJALEIN

1946							4.65	4.61	4.69	4.61	4.53	4.42	..
1947	4.49	4.69	4.83	4.84	4.65	4.67	4.58	4.62	4.56	4.67	4.68	4.68	4.66
1948	(4.61)	4.51	4.50	4.59	4.72	4.66	4.70	4.65	4.95	4.90	(4.54)	(4.63)	4.66
1949	4.29	4.60	4.68	4.70	(4.88)	(4.69)	4.74	4.75	4.69	4.65	4.66	4.45	4.65
1950	4.48	4.46	4.64	4.62	4.65	4.44	4.51	4.67	4.82	(4.73)	(4.69)	4.94	4.64
1951	4.41	4.63	4.65	4.74	4.61	4.63	4.54	4.53	4.44	4.37	4.34	4.22	4.51
1952	4.14	4.32	4.36	4.49	4.51	4.63	4.76	4.73	4.71	4.88	4.56	4.42	4.54
1953	4.51	4.62	(4.73)	4.73	4.82	4.83	4.74	4.74	4.63	4.56	(4.52)	4.48	4.66
1954	4.65	4.61	4.64	4.81	4.58	4.40	4.35	4.60	4.76	4.77	4.47	4.56	4.60
1955	4.71	4.85	4.85	4.73	4.55	4.56	4.61	4.76	4.85	4.79	4.78	4.96	4.75
1956	4.81	4.63	4.71	4.64	4.63	4.55	4.63	4.72	4.68	4.72	(4.66)	4.62	4.67
1957	4.41	4.62	4.61	4.63	4.70	4.67	4.59	4.56	4.51	4.35	4.15	3.88	4.47
1958	4.01	4.38	4.62	4.75	4.67	4.57	4.65	4.73	4.62	4.75	4.52	4.35	4.55

GILBERT ISLANDS

													Unit : 1 cm.
1957	..	..	..	..	..	..	..	..	(189)	190	187	178	..
1958	180	173	173	177	178	178	186	181	183	182	187	(193)	180.9

ARORAE

1957	..	..	..	..	..	..	..	132	137	139	141	129	..
1958	..	129	132	130	129	129	131	134	135	(131)	(126)	..	..

NEW CALEDONIA

													Unit : 1 metre
1957	..	..	..	..	..	..	-3.166	-3.169	-3.162	-3.171	-3.176	-3.135	..

PHOENIX ISLANDS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
*HULL													
Unit : 1 cm.													
1957	(119)	113	112	109	..	..	..	..	..	..	..

CANTON ISLAND

													Unit : 1 foot
1949	..	..	..	..	..	4.46	4.49	4.52	4.56	4.59	4.59	4.63	..
1950	4.55	4.50	4.51	4.44	4.40	4.44	4.61	4.62	4.49	4.61	4.66	4.82	4.55
1951	4.80	4.61	4.75	4.68	4.61	4.54	4.61	4.67	4.73	4.77	4.78	4.89	4.70
1952	4.82	4.68	4.59	4.50	4.47	4.54	4.65	4.67	4.76	4.75	4.81	4.85	4.67
1953	4.88	4.62	4.62	4.55	4.60	4.55	4.68	4.79	4.85	4.80	4.73	4.91	4.71
1954	4.71	4.60	4.77	4.73	4.68	4.66	4.69	4.74	4.72	4.68	4.85	4.79	4.72
1955	4.89	4.57	4.59	4.70	4.57	4.56	4.56	4.56	4.63	4.57	4.68	4.73	4.63
1956	4.78	4.61	4.63	4.64	4.42	4.52	4.75	4.70	4.72	4.76	4.79	4.94	4.69
1957	4.87	4.85	4.79	(4.65)	4.61	4.47	4.67	4.80	4.96	4.98	5.24	4.82	4.81
1958	4.98	4.88	4.81	4.75	4.68	4.62	4.77	4.79	4.82	4.86	4.97	5.18	4.84

HAWAIIAN ISLANDS

													Unit : 1 foot
1947	(3.32)	(3.40)	3.13	2.91	3.09	3.28	(3.06)	3.18	3.27	3.36	3.47	2.91	3.20
1948	2.88	3.09	2.91	3.10	3.08	3.04	3.07	3.42	3.50	3.33	(3.60)	(3.58)	3.22
1949	3.34	3.54	3.59	3.07	3.19	(3.20)	(3.12)	(3.26)	3.34	3.40	3.45	3.49	3.33
1950	3.53	3.29	3.29	(3.12)	(3.10)	3.23	3.48	3.56	3.58	3.58	3.78	3.66	3.39
1951	3.65	3.70	3.56	3.21	3.12	3.27	3.41	3.46	3.53	3.53	3.55	3.51	3.46
1952	3.38	3.22	3.13	(3.10)	3.00	3.32	3.61	3.53	3.76	3.63	3.63	3.64	3.42
1953	3.69	3.60	3.36	3.43	3.33	3.29	3.33	3.34	3.64	3.73	3.39	3.25	3.45
1954	3.55	3.31	3.32	3.14	3.08	3.47	3.25	3.11	3.23	3.24	3.50	3.41	3.30
1955	3.40	3.37	3.40	3.13	3.11	3.28	3.32	3.28	3.27	3.31	3.29	(3.24)	3.28
1956	(3.33)	3.23	2.93	2.82	2.83	2.96	3.10	3.37	3.67	3.69	3.44	3.39	3.23
1957	3.21	3.42	3.19	3.05	3.23	3.10	2.87	3.16	3.36	3.32	3.20	3.16	3.19
1958	3.62	3.63	2.96	2.77	3.15	3.10	3.15	3.44	3.61	3.53	3.31	3.30	3.30

JOHNSTON ISLAND

1950	(2.47)	2.37	2.44	2.71	2.37	2.67	2.88	2.76	3.06	2.65	2.63	2.84	2.65
1951	2.52	2.52	1.82	2.70	2.87	2.09	2.27	3.07	2.96	2.90	2.75	2.87	2.61
1952	..	..	..	..	2.92	..	3.04	..	3.35	3.23	2.94	2.98	..
1953	3.05	(2.89)	..	..	..	2.52	2.69	..	..	3.23	2.99	3.00	..
1954	3.25	3.15	2.72	2.73	2.74	2.64	2.57	2.73	2.67	2.91	(3.48)	2.82	2.87
1955	2.89	2.76	2.38	2.31	2.32	2.41	2.61	2.90	2.84	3.07	3.08	2.98	2.71
1956	2.84	2.93	2.60	2.61	2.34	2.41	2.67	2.88	2.80	2.78	3.26	3.17	2.77
1957	3.18	3.14	2.88	2.65	2.60	2.78	2.56	2.72	3.07	2.96	3.27	2.66	2.87
1958	2.76	(2.70)	2.49	2.50	2.48	2.21	2.63	3.31	3.05	2.98	3.00	2.82	2.74

WAKE ISLAND

1950	..	..	..	..	..	4.76	4.94	5.07	5.18	5.21	5.03	4.91	..
1951	4.51	5.15	4.79	4.77	4.80	4.83	5.20	5.02	4.87	4.95	4.88	4.76	4.88
1952	4.93	4.92	4.87	5.01	4.92	5.00	5.34	(5.09)	(5.10)	(5.30)	5.44	5.24	5.10
1953	5.29	5.48	5.29	5.40	5.27	5.16	5.01	5.02	5.04	5.11	5.33	4.93	5.19
1954	5.27	5.33	5.02	5.23	5.01	4.90	5.17	5.49	5.09	5.25	5.14	4.92	5.15
1955	4.87	5.20	5.44	4.97	5.12	5.05	5.35	5.24	4.97	4.77	5.17	4.96	5.09
1956	5.09	4.28	4.80	4.83	4.53	4.76	4.77	4.90	5.03	5.15	5.07	5.04	4.85
1957	5.04	5.13	4.66	4.58	4.43	4.88	5.44	5.52	5.27	5.08	5.30	4.94	5.02
1958	4.71	4.77	5.08	5.22	4.62	4.94	4.74	5.41	5.02	5.05	5.04	5.23	4.99

NAWILIWILI

1955	2.79	2.69	2.85	2.83	2.71	2.62	2.51	2.52	2.83	2.93	3.08	2.91	2.77
1956	2.68	2.58	2.49	2.72	2.82	2.74	2.85	3.05	3.15	3.18	3.16	(3.05)	2.87
1957	2.94	2.96	3.04	2.80	2.80	(2.82)	2.87	3.13	3.23	3.01	(3.07)	2.87	2.96
1958	2.65	(2.76)	2.78	2.84	2.90	2.73	3.06	3.12	3.23	3.33	3.36	3.16	2.99

HONOLULU

1957	4.56	4.57	4.44	4.36	4.33	4.39	4.49	4.61	4.53	4.41	4.43	4.30	4.45
1958	4.17	4.39	4.44	4.22	4.34	4.34	4.63	4.67	4.78	4.95	4.91	4.80	4.55

MOKUOLOE ISLAND

1957	..	..	..	..	3.61	3.65	3.80	3.87	3.80	3.72	3.65	3.62	..
1958	3.57	3.72	3.79	3.50	(3.66)	3.62	3.89	3.99	4.07	4.26	4.24	4.16	3.87

* Gauge destroyed by storm

HAWAIIAN ISLANDS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
KAHULUI													Unit : 1 foot
1951	3-17	3-10	3-23	3-03	3-09	3-19	3-32	3-46	3-57	3-55	3-27	3-26	3-27
1952	3-18	3-32	3-19	3-18	3-15	3-12	3-26	3-36	3-41	3-43	3-36	3-28	3-27
1953	3-28	3-26	3-08	3-04	3-13	3-07	3-32	3-50	3-35	3-33	3-35	3-26	3-25
1954	3-27	3-34	3-12	3-29	3-13	3-06	3-20	3-42	3-57	3-55	3-56	3-33	3-32
1955	3-06	3-21	3-13	2-94	2-82	2-63	2-83	3-17	3-23	3-26	3-23	3-04	3-05
1956	3-06	3-03	2-99	3-09	3-12	3-09	3-10	3-17	3-33	3-41	3-46	3-38	3-19
1957	3-35	3-38	3-22	3-18	3-15	3-21	3-28	3-36	3-33	3-20	3-27	3-12	3-26
1958	3-00	3-21	3-22	3-08	3-17	3-25	3-34	3-50	3-68	3-72	3-70	3-55	3-37

HILO

1946	..	..	..	..	..	..	..	..	..	..	..	4-64	..
1947	4-46	4-40	4-49	4-46	4-56	4-51	4-75	4-67	4-82	4-71	4-68	4-73	4-60
1948	4-58	4-47	4-22	4-52	4-25	4-38	4-62	4-70	4-66	4-73	4-67	4-53	4-53
1949	4-55	4-38	4-62	4-53	4-60	4-51	4-48	4-72	4-62	4-65	4-48	4-29	4-54
1950	4-45	4-33	4-52	4-67	4-34	4-35	4-48	4-57	4-66	4-77	4-92	(4-92)	4-58
1951	4-50	4-64	4-55	4-50	4-42	4-56	4-65	4-75	4-93	4-80	4-90	4-69	4-66
1952	4-44	4-61	4-35	4-43	4-46	4-57	4-59	4-62	4-81	4-70	4-95	4-71	4-60
1953	4-67	4-61	4-39	4-46	4-49	4-37	4-69	4-73	4-74	4-85	4-65	4-59	4-60
1954	4-75	4-48	4-47	4-52	4-57	4-77	4-79	4-85	5-04	4-82	4-95	(4-70)	4-73
1955	4-46	4-73	4-47	4-49	4-41	4-14	4-35	4-67	4-55	4-50	4-59	4-33	4-47
1956	4-49	4-54	4-40	4-87	4-71	4-50	4-82	4-77	4-66	4-83	4-76	4-85	4-68
1957	4-80	4-85	4-77	4-68	4-65	4-64	4-64	4-69	4-81	4-88	4-62	4-59	4-72
1958	4-50	4-61	4-78	4-51	4-69	4-76	4-87	5-05	5-03	5-12	5-02	5-03	4-83

LINE ISLANDS

PALMYRA ISLAND

1957	192	207	187	196	(190)	..
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FANNING ISLAND

1957	(192)	197	200	194	204	..
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CHRISTMAS ISLAND

1956	3-90	3-70	3-73	3-76	3-71	3-71	(3-94)	(3-90)	3-90	3-88	3-84	4-08	3-84
1957	3-99	3-98	3-86	3-87	3-92	3-75	3-96	4-03	4-15	4-34	4-42	4-40	4-06
1958	4-20	4-00	3-82	3-78	3-78	3-81	3-86	4-01	3-86	3-89	4-05	4-37	3-95

*JARVIS ISLAND

1957	(81-8)	88-3	88-8	(89-4)
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ILES DE LA SOCIÉTÉ

MATAVAI, TAHITI

1957	2-513	2-550	2-547	2-514	(2-532)	2-515	..
1958	(2-508)	2-519	2-558	2-596	2-601	2-508

ILES AUSTRALES

RURUTU

1957	..	..	..	..	(98)	(99)	..	94	86	85	98	88	..
1958	96	96	89	93	89	83	84	80	78	71	71	79	84

TUAMOTU ARCHIPELAGO

TAKAROA

1957	..	..	..	..	..	(103)	104	(101)	(101)	96	106	106	..
1958	..	113	112	109	108	106	109	108	106	106	105	104	(108)

* Gauge destroyed by waves, December 1957

EAST PACIFIC

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
EASTER ISLAND													
Unit : 1 cm.													
1957	(35)	34	33	31	32	32	29	31	32	26	29	34	31.5
1958	39	41	43	45	(42)	34	(41)	37	32	38	37	43	39.3

ALEUTIAN ISLANDS

MASSACRE BAY, ATTU													
Unit : 1 foot													
1943							5-28	5-42	5-38	5-49	5-82	5-72	
1944	5-91	5-71	5-00	5-15	5-30	5-19	5-37	5-42	5-14	5-24	5-88	5-78	5-42
1945	5-91	5-62	5-48	4-91	5-30	5-03	5-24	5-54	5-53				
1946	..	..	..	..	..	5-46	5-43	5-32	5-36	5-31	5-01	..	..
1947								5-24	5-19				
1948	5-55	5-07	4-90	4-63	4-97	5-24	5-39	5-28	5-38	5-42	5-89	5-51	..
1949	5-51	5-26	5-65	5-13	5-30	5-10	5-28	5-28	5-38	5-33	5-53	5-39	..
1950	5-27	5-22	5-53	5-19	5-30	5-34	5-28	5-26	5-38	5-36	5-46	5-65	5-36
1951	..	..	..	5-45	..	..	5-56	5-62	5-56	5-72	5-01	5-72	5-40
1952	5-18	5-39	5-01	4-92	5-02	5-16	5-28	5-16	5-08	5-61	5-38	5-14	..
1953	5-44	(5-34)	4-97	5-14	5-15	5-02	5-06	5-11	5-09	5-28	5-62	5-39	5-19
1954	5-13	5-33	5-18	4-87	5-51	5-12	5-08	5-30	5-18	5-35	5-73	5-40	5-26
1955	5-74	5-21	4-77	4-85	4-99	5-00	5-14	5-02	5-12	5-22	5-15	5-24	5-12
1956	5-42	5-76	5-30	5-27	5-27	(5-07)	5-04	5-33	5-42	5-09	5-45	5-48	5-33
1957	5-41	5-23	5-37	5-26	5-31	5-15	4-98	5-36	5-17	5-42	5-66	5-30	5-30
1958	5-46	5-42	5-37	5-24	5-31	5-07	5-15	5-14	5-44	5-31	5-42	(5-80)	5-34

SWEEPER COVE, ADAK

1943	..	5-3	..	..	4-83	4-80	4-91	4-87	5-09	5-19	5-46	5-50	..
1944	5-57	5-43	4-65	5-02	4-96	5-03	5-01	(5-14)	4-86	4-83	5-53	5-54	5-12
1945	5-79	(5-3	5-00	4-53	5-03	4-83	4-91	5-08	5-12	5-16	4-68	(5-72)	5-11
1946	5-69	540)	(5-00)	(4-90)	4-94	4-87	4-85	4-86	4-91	5-07	4-79	4-98	5-02
1947	4-79	4-43	5-12	5-09	5-19	5-04	4-89	4-85	4-89	5-17	5-78	5-35	5-13
1948	5-45	4-94	4-71	4-40	4-92	5-03	4-92	4-85	4-83	5-14	5-19	5-05	4-95
1949	5-06	(-97	5-45	4-92	4-96	4-87	4-79	4-87	5-12	(4-90)	(5-45)	(4-95)	5-03
1950	(4-44)	5-00)	(5-60)	4-85	4-99	4-80	4-93	5-06	5-17	5-05	4-59	5-24	4-99
1951	5-21	5-33	4-80	(5-05)	(5-10)	(5-20)	(4-85)	5-08	5-04	5-39	5-36	5-23	5-14
1952	5-26	5-65	5-29	5-12	4-99	5-26	5-04	4-99	5-14	5-34	5-68	5-40	5-26
1953	5-68	5-53	4-99	5-28	5-25	4-91	4-89	5-05	5-03	5-33	5-76	5-63	5-28
1954	5-19	5-51	5-11	4-82	(5-19)	5-00	4-85	5-00	5-10	5-24	5-44	5-18	5-14
1955	5-84	5-14	5-01	5-04	5-27	4-98	5-07	4-94	5-07	5-07	5-22	5-00	5-14
1956	5-00	5-31	5-20	5-20	5-37	5-19	4-94	5-15	5-18	4-65	5-08	(5-23)	5-12
1957	..	..	..	..	..	..	5-45	5-60	5-72	5-78	5-90	5-49	..
1958	6-04	5-97	5-59	5-49	5-63	5-34	5-38	5-29	5-56	5-39	5-61	5-98	5-61

UNALASKA

1955	..	..	..	..	..	5-17	..	..	5-26	5-40	5-51	5-41	..
1956	5-41	5-35	5-32	5-34	5-54	5-33	5-13	5-39	5-30	(5-10)	5-43	5-60	5-35
1957	5-30	5-32	5-68	5-46	5-65	5-69	5-47	5-55	5-91	..	..	..	..
1958	..	..	..	5-63	5-59	5-65	5-55	5-49	5-60	5-65	5-85	6-03	..

ALASKA

PT. BARROW													
Unit : 1 cm.													
1957	130	112	110	116	114	130	150	153	133	132	111	124	126
1958	122	112	117	120	122	131	132	135	137	139	122	110	125

WOMANS BAY, KODIAK

WOMANS BAY, KODIAK													
Unit : 1 foot													
1949	..	..	..	..	..	..	..	..	(9-70)	9-65	10-00	9-26	..
1950	(8-92)	(9-73)	(9-51)	9-58	9-44	9-29	9-42	9-56	9-62	9-91	9-41	9-91	9-52
1951	9-64	9-29	9-13	9-21	9-25	9-25	9-30	9-35	9-70	9-77	10-03	9-47	9-45
1952	9-73	9-86	9-36	9-54	9-29	9-27	9-22	9-42	9-78	9-83	10-04	10-58	9-66
1953	10-07	9-94	9-61	9-66	9-58	9-21	9-42	9-81	9-95	10-14	10-21	10-07	9-81
1954	9-65	9-78	9-12	9-18	9-26	(9-54)	(9-48)	9-24	9-49	9-97	10-16	9-97	9-57
1955	9-89	9-33	9-23	9-50	9-50	9-28	(9-35)	9-68	9-50	9-84	9-52	9-62	9-52
1956	9-85	(9-30)	(9-36)	9-28	9-48	9-38	9-16	9-58	9-32	9-62	9-74	9-65	9-48
1957	8-88	9-39	9-71	9-26	9-43	9-50	9-47	(9-61)	9-87	9-66	9-93	9-97	9-56
1958	10-32	10-28	9-41	9-53	9-40	9-25	9-45	9-68	9-69	9-88	9-88	9-90	9-72

SEWARD

1958	10-90	11-42	11-22	11-39	11-79	11-68	..
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ALASKA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Unit : 1 foot													
SITKA													
1938	(10-65)	(10-57)	(10-43)	(10-08)	(9-66)	9-80	9-76	9-63	10-11	10-56	10-30	10-49	10-17
1939	10-58	9-98	9-91	9-83	9-94	9-72	9-93	9-93	10-08	10-35	10-76	11-35	10-20
1940	10-74	10-72	10-53	10-01	10-01	9-92	9-94	10-17	10-29	10-68	10-48	11-13	10-38
1941	10-95	10-52	10-51	10-24	10-09	9-94	9-82	9-87	10-12	10-43	10-72	10-78	10-34
1942	10-86	10-40	10-26	10-39	10-02	9-80	9-81	9-75	9-75	10-50	10-49	10-51	10-21
1943	10-15	10-16	9-85	10-11	9-68	9-76	9-85	9-98	10-06	10-53	10-69	10-65	10-12
1944	10-92	9-96	10-00	10-09	9-85	9-74	9-75	9-78	9-90	10-31	10-74	10-23	10-11
1945	10-58	10-21	10-41	(9-71)	(9-77)	9-78	10-00	9-61	9-88	10-23	10-47	10-62	10-11
1946	10-42	10-47	10-30	10-12	9-69	9-82	9-95	9-79	10-21	10-17	10-01	10-26	10-10
1947	10-04	9-94	9-87	9-79	9-71	9-87	9-88	9-78	9-95	10-87	10-23	10-68	10-05
1948	10-52	10-08	10-02	9-88	9-90	9-64	9-76	9-81	10-17	10-40	10-66	10-44	10-11
1949	9-95	10-23	10-10	10-07	9-82	9-88	9-72	9-96	9-99	10-16	10-72	10-14	10-06
1950	9-53	10-41	10-04	9-92	9-71	9-69	9-82	9-92	10-00	10-56	10-22	10-53	10-03
1951	10-23	10-01	9-80	9-57	9-66	9-55	9-66	9-61	9-87	10-18	10-59	10-12	9-90
1952	10-53	10-25	9-95	9-92	9-67	9-76	9-49	9-62	9-98	10-06	10-39	11-19	10-07
1953	10-62	10-18	10-21	9-87	9-91	9-63	9-64	9-65	10-06	10-58	10-88	10-60	10-17
1954	10-38	10-39	9-78	9-72	9-63	10-03	9-83	9-80	9-83	10-22	10-78	10-88	10-09
1955	10-45	10-03	9-71	10-00	9-67	9-65	9-55	9-73	9-71	10-33	10-08	10-17	9-92
1956	10-40	9-87	9-82	9-55	9-58	9-89	9-59	9-80	9-74	10-23	10-10	10-28	9-90
1957	9-45	9-76	9-96	9-62	9-75	9-77	9-82	9-83	9-91	10-02	10-37	10-76	9-92
1958	10-88	10-79	9-85	9-90	9-73	9-53	9-40	9-98	9-96	10-34	10-45	10-56	10-11
SKAGWAY													
1944	..	..	..	..	..	..	..	..	14-87	15-30	15-08	14-97	..
1945	14-99	(14-63)	15-12	14-23	14-56	14-91	15-10	14-95	14-87	15-41	14-65	14-98	14-87
1946	15-00	15-00	15-00	14-79	14-49	14-87	15-18	15-03	14-99	15-13	14-58	14-35	14-87
1947	(14-42)	(14-14)	14-49	14-38	14-53	15-04	14-98	14-71	15-02	15-81	15-02	15-44	14-83
1948	15-21	14-15	14-28	14-13	(14-60)	(14-77)	(14-94)	14-70	(15-05)	(15-35)	(15-50)	(14-80)	(14-79)
1949	(14-50)	(14-05)	(14-35)	(14-45)	14-44	14-92	14-77	14-96	14-85	14-83	15-42	14-29	(14-65)
1950	13-47	14-18	14-26	14-10	14-29	14-55	14-84	14-72	14-87	14-97	13-97	14-61	14-40
1951	14-15	14-08	13-89	14-02	14-28	14-67	14-71	14-61	14-59	14-18	14-62	14-08	14-32
1952	14-04	14-35	14-15	14-21	14-09	14-44	14-55	14-44	14-65	14-96	15-25	15-44	14-55
1953	14-49	14-55	14-39	14-17	14-42	14-48	14-62	14-87	15-00	15-09	14-96	14-87	14-66
1954	14-04	14-27	13-75	13-67	13-86	14-62	14-68	14-25	14-11	14-50	14-81	14-88	14-29
1955	14-50	13-98	13-64	(14-17)	13-95	14-18	14-26	14-62	14-29	14-66	13-78	13-86	14-16
1956	13-97	13-69	13-69	13-66	13-93	14-40	14-28	14-45	14-25	14-45	14-46	13-94	14-10
1957	13-17	13-67	13-91	(13-69)	13-94	14-44	14-44	14-25	14-44	13-97	14-58	14-79	14-11
1958	14-79	14-27	13-65	13-82	13-86	14-09	14-11	14-32	14-23	14-44	14-48	14-27	14-19
KETCHIKAN													
1957	13-79	13-96	14-19	13-85	14-02	14-15	14-21	14-12	14-06	14-20	14-53	15-08	14-18
1958	15-21	15-08	14-19	14-22	13-91	13-84	13-65	14-09	14-25	14-73	14-77	14-75	14-39
CANADA (PACIFIC COAST)													
Unit : 1 foot													
PRINCE RUPERT													
1957	12-128	12-382	12-643	12-227	12-496	12-550	12-494	12-478	12-422	12-504	12-809	13-388	12-547
1958	13-546	13-527	12-571	12-649	12-341	12-283	11-973	12-376	12-547	12-839	12-903	13-022	12-709
QUEEN CHARLOTTE CITY													
1957	..	..	..	..	..	12-916	12-996	13-017	13-052	13-175	13-193	13-590	(13-135)
1958	13-763	13-964	13-197	13-146	12-850	13-001	12-878	13-051	13-139	13-236	..	..	(13-216)
ALERT BAY													
1957	9-257	9-387	9-580	9-257	9-415	9-241	9-256	9-311	9-398	9-487	9-474	10-140	9-435
1958	10-197	10-469	9-651	9-591	9-164	9-323	9-162	9-321	9-447	9-558	9-633	9-918	9-614
POINT ATKINSON													
1939	10-118	9-515	9-599	9-416	9-922	9-741	9-804	9-829	9-779	9-650	9-919	9-656	9-833
1957	9-880	10-111	10-190	9-875	10-303	10-144	10-185	10-149	10-197	10-205	10-037	10-764	10-172
d1958	9-298	..	..	8-615	8-757	8-995	..	..	8-777	8-864	8-922	9-201	(8-938)

d Change of datum. See Table A

CANADA (PACIFIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
VANCOUVER												Unit : 1 foot	
1957	9-427	9-613	9-658	9-369	9-729	9-600	9-614	9-578	9-617	9-625	9-487	10-180	9-626
d/1958	8-556	8-919	8-180	8-113	7-940	8-123	8-052	8-025	7-974	8-041	8-113	8-381	8-197

TOFINO (CLAYOQUOT)

1957	6-976	7-120	7-255	6-850	7-021	6-770	6-824	6-941	7-081	7-217	7-121	7-789	7-082
1958	7-903	8-169	7-366	7-221	6-714	6-845	6-782	6-828	6-903	7-092	7-222	7-578	7-213

VICTORIA

1957	6-615	6-848	6-934	6-561	6-795	6-572	6-674	6-709	6-810	6-853	6-721	7-390	6-791
d/1958	6-821	7-163	6-432	6-344	6-044	6-191	6-156	6-157	6-127	6-205	6-330	6-593	6-375

UNITED STATES (PACIFIC COAST)

NEAH BAY

Unit : 1 foot

1934	..	..	..	..	..	..	..	6-21	6-27	6-69	7-52	7-23	..
1935	7-78	6-88	6-98	6-41	6-01	6-18	6-19	6-18	6-40	6-46	6-39	7-11	6-58
1936	7-18	6-94	6-32	6-22	6-51	6-71	6-39	6-28	6-13	6-22	6-13	6-81	6-49
1937	(6-33)	(6-91)	6-78	6-67	6-40	6-51	6-16	6-22	6-21	6-64	7-28	7-11	6-60
1938	6-93	7-33	7-03	6-42	6-00	5-91	6-10	5-99	6-18	6-67	6-36	6-59	6-46
1939	6-98	6-46	6-34	6-10	6-24	6-12	6-12	6-25	6-37	6-45	6-88	7-34	6-47
1940	7-14	7-36	6-96	6-39	6-38	6-01	6-26	6-17	6-61	6-97	6-89	7-50	6-72
1941	7-35	7-28	7-01	6-58	6-59	6-30	6-24	6-31	6-64	6-64	7-08	7-41	6-79
1942	7-02	6-82	6-44	6-81	6-46	6-18	6-40	6-27	6-21	6-48	7-01	7-09	6-60
1943	6-74	6-85	6-59	6-74	(6-04)	6-25	6-20	6-23	6-24	6-76	6-64	6-58	6-49
1944	6-99	6-57	6-22	6-52	6-17	6-14	6-14	6-16	6-32	6-45	7-13	6-76	6-46
1945	6-88	6-75	6-80	5-93	6-50	6-08	6-19	6-13	6-21	6-31	7-07	7-33	6-51
1946	6-83	7-07	6-69	6-50	6-18	6-41	6-27	6-06	6-33	6-34	6-59	6-83	6-51
1947	6-59	6-70	6-61	(6-28)	6-13	6-42	6-26	6-23	6-16	7-04	6-35	6-96	6-48
1948	6-76	(6-79)	(6-62)	6-96	6-67	6-36	6-27	6-38	6-47	6-33	6-61	(6-92)	6-59
1949	6-19	7-11	6-87	(6-15)	6-40	6-15	6-09	6-33	6-32	6-06	6-93	(6-80)	6-45
1950	6-85	6-97	6-96	6-48	5-96	6-21	6-16	6-23	6-29	7-11	7-02	7-31	6-63
1951	7-03	..	..	..	..	..	..	..	..	6-91	7-27	7-02	(6-64)
1952	7-48	7-01	6-59	6-18	6-09	(6-15)	6-14	6-32	6-29	6-28	6-66	(7-50)	6-56
1953	7-69	6-43	6-68	6-34	6-49	(6-17)	6-10	6-37	6-43	6-57	7-35	6-86	6-62
1954	7-46	7-11	6-66	6-35	6-12	6-44	6-15	6-20	6-39	6-55	7-06	7-19	6-64
1955	6-68	6-35	6-15	6-60	5-87	5-94	6-06	6-03	6-14	6-40	6-65	7-21	6-34
1956	7-50	6-50	6-66	6-17	6-15	6-30	6-09	6-01	6-18	6-53	6-13	6-61	6-40
1957	6-46	6-62	6-78	6-32	6-47	6-15	6-27	6-34	6-45	(6-68)	(6-64)	..	..
1958	7-32	7-68	6-85	6-73	6-22	6-41	6-30	6-30	6-37	6-55	(6-67)	(6-97)	6-70

SEATTLE

1957	14-18	14-39	14-56	14-17	14-52	14-22	14-19	14-22	14-33	14-40	14-30	14-94	14-37
1958	14-99	15-30	14-51	14-48	14-19	14-28	14-18	14-30	14-27	14-34	14-52	14-80	14-51

d Change of datum. See Table A

UNITED STATES (PACIFIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
CRESCENT CITY													
Unit : 1 foot													
1933	(7-50)	(7-22)	(7-27)	(7-18)	7-08	7-19	7-33	7-39	7-50	7-30	7-23	7-83	(7-33)
1934	7-46	7-73	7-40	7-26	7-37	7-20	7-26	7-39	7-53	7-47	7-84	7-61	7-46
1935	7-87	7-70	7-54	7-41	7-09	7-16	7-29	7-49	7-51	7-57	7-41	7-88	7-49
1936	(7-66)	8-04	7-13	7-17	7-49	7-51	7-40	(7-38)	(7-46)	7-44	7-40	7-46	7-46
1937	7-27	7-66	7-62	7-12	7-19	7-48	7-44	7-37	7-47	7-58	7-86	7-84	7-49
1938	7-74	8-15	7-87	7-32	7-14	7-19	7-47	7-39	(7-49)	7-54	7-26	7-39	7-50
1939	7-52	7-05	7-23	7-10	7-28	7-08	7-29	7-53	7-65	7-39	7-53	7-84	7-37
1940	8-21	(8-11)	7-73	7-22	7-30	7-18	7-33	7-43	7-67	7-70	7-60	8-30	7-65
1941	8-23	8-41	8-10	7-54	7-60	7-35	7-53	7-54	7-60	7-59	7-91	8-21	7-80
1942	8-03	7-70	7-25	7-52	7-34	7-13	7-40	7-40	7-40	7-37	7-53	7-67	7-48
1943	7-65	7-72	7-52	7-35	6-97	7-38	7-37	7-44	7-75	(7-56)	(7-63)	(7-81)	7-51
1944	(7-68)	(7-71)	(7-45)	(7-17)	(7-31)	(7-28)	(7-45)	(7-35)	7-54	(7-45)	(7-69)	(7-77)	(7-48)
1945	(7-63)	7-52	7-43	6-36	7-35	7-16	7-51	7-45	7-48	7-49	7-96	8-19	7-46
1946	7-59	7-95	7-44	7-32	7-38	7-29	7-35	7-43	7-58	7-49	7-56	7-76	7-51
1947	7-47	7-78	7-76	7-48	7-33	(7-33)	(7-20)	(7-36)	(7-42)	(7-48)	(7-45)	(7-62)	(7-47)
1950	(7-54)	(7-53)	(7-22)	(7-23)	6-98	7-20	7-42	7-41	7-46	(7-58)	(7-72)	8-01	7-44
1951	7-70	7-79	7-44	7-28	7-37	(7-52)	7-42	7-50	7-56	(7-57)	7-48	(8-04)	7-60
1952	8-21	7-82	7-43	7-33	7-34	7-33	7-43	(7-53)	(7-59)	7-55	7-81	(8-10)	7-62
1953	7-93	7-13	7-33	7-22	7-26	7-12	7-34	7-47	7-63	7-40	7-80	7-38	7-42
1954	8-06	7-79	7-65	7-31	7-19	7-28	7-33	7-46	7-42	7-44	7-64	7-73	7-53
1955	7-54	7-26	7-11	7-22	6-85	7-15	7-25	7-33	7-38	7-22	7-45	8-08	7-32
1956	8-12	7-29	7-10	7-32	7-38	7-27	7-38	7-31	7-40	7-38	7-09	7-35	7-37
1957	7-40	7-63	7-52	7-14	7-48	7-19	7-40	7-42	7-61	7-78	7-62	7-88	7-51
1958	8-16	8-54	7-73	7-47	7-30	7-40	(7-43)	7-58	(7-45)	7-65	7-47	7-66	7-65

SAN FRANCISCO

1957	8-80	8-91	8-70	8-70	8-93	8-86	9-03	8-97	9-15	9-13	9-01	9-09	8-94
1958	9-09	9-53	9-19	8-98	8-86	8-93	8-97	9-14	9-17	9-18	8-90	9-12	9-09

AVILA

1945	..	..	..	..	..	..	5-84	5-83	6-00	5-88	5-50	5-57	..
1946	5-29	5-42	5-31	5-53	5-75	5-67	5-88	5-88	6-05	5-83	5-92	5-92	5-70
1947	5-81	5-89	5-77	5-50	5-67	5-78	5-69	5-78	5-81	5-79	5-76	5-73	5-75
1948	5-96	5-65	5-51	5-51	5-37	5-72	5-83	5-83	6-04	5-80	5-68	5-58	571
1949	5-80	5-65	5-53	5-50	5-60	5-77	5-79	5-78	5-85	5-74	5-77	5-57	570
1950	5-53	5-50	5-37	5-46	5-46	5-53	5-93	5-78	5-90	5-89	5-76	5-83	5-65
1951	5-59	5-68	5-58	5-58	5-78	5-84	5-94	5-88	6-12	6-09	6-13	6-03	5-85
1952	5-98	5-76	5-68	(5-74)	(5-63)	(5-73)	(5-69)	5-64	5-84	5-74	5-84	5-80	5-76
1953	5-69	5-67	5-67	5-49	5-52	5-55	5-93	5-89	6-04	5-88	5-83	5-74	5-74
1954	5-88	5-71	5-63	5-49	5-78	5-81	5-94	5-90	5-93	5-82	5-91	5-85	5-80
1955	5-76	5-66	5-60	5-53	5-58	5-62	5-72	5-88	5-86	5-74	5-76	5-61	5-69
1956	5-65	5-56	5-42	..	..	..	5-90	5-91	5-89	5-86	5-72	5-83	..
1957	5-83	5-81	5-62	5-67	5-82	5-95	6-14	6-17	..	..	6-06	6-14	..

LOS ANGELES

1957	6-46	6-48	6-29	6-30	6-48	6-70	6-86	6-93	6-77	6-83	6-82	6-88	6-65
1958	6-75	6-64	6-59	6-50	6-48	6-52	6-71	6-90	7-00	7-04	6-82	6-77	6-73

SAN CLEMENTE ISLAND

1957	..	..	..	..	..	..	..	5-54	..	..	5-47	5-60	..
1958	5-76	..	5-60	5-46	..	5-42	5-49	5-79	..	..	..	..	..

UNITED STATES (PACIFIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
LA JOLLA													Unit : 1 foot
1957	6-70	6-71	6-56	6-62	6-74	6-97	7-12	7-22	7-14	7-14	7-10	7-19	6-93
1958	7-06	6-90	6-83	6-73	6-70	6-76	6-93	7-25	7-36	7-27	7-12	7-07	7-00

SAN DIEGO

1926	..	..	..	..	..	..	6-28	6-36	6-32	6-34	6-27	6-28	6-31
1927	6-13	6-07	5-89	5-95	6-00	6-26	6-33	6-39	6-42	6-48	6-40	6-40	6-23
1928	6-25	6-22	5-94	5-94	6-08	6-21	6-34	6-44	6-44	6-37	6-23	6-17	6-22
1929	6-19	6-22	6-14	6-23	6-26	6-25	6-45	6-42	6-53	6-39	6-31	6-17	6-30
1930	6-26	6-16	6-13	6-09	6-05	6-26	6-40	6-57	6-50	6-56	6-58	6-50	6-34
1931	6-32	6-44	6-19	6-20	6-16	6-29	6-60	6-51	6-59	6-43	6-36	6-16	6-35
1932	6-18	6-36	6-09	6-17	6-27	6-18	6-61	6-58	6-60	6-47	6-36	6-29	6-33
1933	6-29	5-99	6-08	6-02	5-87	6-13	6-33	6-30	6-33	6-18	6-16	6-12	6-15
1934	6-10	5-97	6-14	6-12	6-22	6-19	6-37	6-39	6-63	6-35	6-35	6-41	6-27
1935	6-26	6-26	6-05	6-07	6-08	6-32	6-35	6-56	6-44	6-45	6-29	6-41	6-30
1936	6-15	6-19	6-08	5-88	6-10	6-18	6-43	6-59	6-64	6-51	6-50	6-38	6-30
1937	6-13	6-20	6-04	6-03	6-26	6-23	6-46	6-50	6-59	6-50	6-28	6-39	6-30
1938	(6-34)	6-17	6-06	6-05	6-11	6-24	6-33	6-51	6-59	6-36	6-32	6-38	6-29
1939	6-19	5-99	(5-97)	(6-07)	6-11	6-26	6-37	6-57	6-86	6-62	6-71	6-47	6-35
1940	6-37	6-31	6-13	6-06	6-16	6-26	6-36	6-53	6-66	6-59	6-55	(6-77)	6-40
1941	(6-44)	6-66	6-61	6-33	6-32	6-27	6-53	6-65	6-80	6-94	6-71	6-69	6-58
1942	6-41	6-40	6-35	6-42	6-27	6-54	6-55	6-50	6-55	6-55	6-40	6-26	6-43
1943	6-39	6-28	6-10	6-09	6-31	6-47	6-58	6-58	6-66	6-64	6-42	6-49	6-42
1944	6-28	6-37	6-36	6-07	6-16	6-20	6-35	6-57	6-61	6-36	6-38	6-35	6-34
1945	6-26	6-05	6-00	6-00	6-02	6-38	6-53	6-56	6-64	6-50	6-28	6-34	6-30
1946	6-25	6-19	6-18	6-15	6-15	6-32	6-49	6-45	6-71	6-55	6-54	6-46	6-37
1947	6-43	6-29	6-25	6-07	6-24	6-28	6-43	6-47	6-56	6-43	6-42	6-41	6-36
1948	6-48	6-31	6-16	6-14	6-20	6-35	6-55	6-56	6-65	6-45	6-44	6-41	6-39
1949	6-41	6-38	6-03	6-13	6-23	6-43	(6-47)	6-55	6-63	6-42	6-40	6-24	6-36
1950	6-13	6-10	6-01	6-14	6-17	6-30	6-63	6-45	6-53	6-55	6-38	6-43	6-32
1951	6-15	6-20	6-25	6-12	6-32	6-46	6-67	6-71	6-82	6-75	(6-70)	6-50	6-47
1952	6-41	6-27	6-22	6-27	6-14	6-30	6-41	6-58	6-71	6-52	6-64	6-48	6-41
1953	6-40	6-39	6-29	6-16	6-17	6-33	6-64	6-56	6-65	6-62	6-55	6-43	6-43
1954	6-43	6-37	6-26	6-12	6-41	6-52	6-70	6-64	6-70	6-45	6-46	6-39	6-45
1955	6-31	6-29	6-28	6-15	6-26	6-41	6-50	6-68	6-61	6-28	6-31	6-15	6-35
1956	6-17	6-21	6-14	6-23	6-25	6-47	6-53	6-63	6-59	6-47	6-44	6-42	6-38
1957	6-40	6-38	6-24	6-28	6-46	6-65	6-84	6-91	6-81	6-79	6-82	6-85	6-62
1958	6-72	6-54	6-50	6-45	6-42	6-47	6-65	6-86	7-01	6-97	6-78	6-67	6-67

MEXICO (PACIFIC COAST)

ENSENADA													Unit : 1 foot
1956	..	..	..	..	..	5-291	5-340	5-406	5-424	5-279	5-330	5-268	(5-334)
1957	5-179	5-157	5-061	5-034	5-203	5-412	5-638	5-670	5-555	5-607	5-595	5-576	5-390
1958	5-461	5-331	5-282	5-275	5-222	5-282	5-327	5-645	5-792	5-812	5-691	5-488	5-467

GUADALUPE ISLAND

1958	2-625	2-644	2-914	3-139	2-836	2-718	2-587	(2-780)
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LA PAZ

1952	5-610	5-527	5-328	5-334	5-407	5-622	5-774	6-033	6-220	6-154	6-008	..	5-732
1953	5-335	5-396	5-628	5-771	6-002	6-164	6-306	6-161	5-972	5-756	(5-849)
1954	5-513	5-474	5-387	5-486	5-566	5-779	5-956	6-100	6-050	6-009	5-719	5-744	5-749
1955	5-434	5-386	5-414	5-384	5-520	5-615	5-803	6-083	6-111	5-915	5-771	5-496	5-661
1956	5-463	5-528	5-419	5-483	5-724	5-673	6-138	6-232	6-202	6-138	6-042	5-600	5-804
1957	5-435	5-524	5-405	5-483	5-718	5-884	6-321	6-396	6-525	6-240	6-262	5-960	5-929
1958	5-998	5-642	5-692	5-622	5-896	5-947	6-147	6-398	6-520	6-440	6-198	5-913	6-034

MEXICO (PACIFIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Unit : 1 foot													
GUAYMAS													
1952	7-423	7-349	7-231	7-464	7-746	8-257	8-222	8-435	8-441	8-256	7-721	7-461	7-834
1953	7-517	7-647	7-527	7-650	7-808	8-294	8-715	8-643	8-550	8-051	7-699	7-384	7-957
1954	..	7-639	7-314	7-658	7-901	8-345	8-516	8-420	8-310	7-998	7-575	7-647	(7-938)
1955	7-534	7-337	7-591	7-556	7-779	8-184	8-495	8-376	8-460	7-975	7-542	7-361	7-849
1956	7-287	7-106	7-423	7-649	7-900	8-604	..	8-504	8-473	8-070	7-506	7-479	(7-818)
1957	7-394	7-467	7-579	7-650	8-139	8-542	8-812	8-701	8-832	8-319	..	7-783	(8-111)
1958	..	7-632	7-810	7-601	8-211	..	..	..	..	..	7-680	7-739	..
TOPOLOBAMPO													
1956	..	..	4-655	4-826	5-240	6-030	5-762	5-790	5-718	5-291	5-168	4-668	(5-315)
1957	4-783	4-796	4-828	4-921	5-403	5-869	6-200	6-013	6-239	5-753	5-437	5-327	5-464
1958	5-587	5-096	5-138	4-834	5-460	5-747	6-040	6-008	6-283	5-719	5-378	5-167	5-538
MAZATLAN													
1953	7-003	6-988	6-856	6-832	7-032	7-449	7-654	7-600	7-712	7-334	7-082	6-979	7-210
1954	6-903	6-960	6-566	6-848	6-899	7-360	7-672	7-378	7-504	7-201	6-933	6-828	7-088
1955	6-670	6-604	6-833	6-743	6-971	7-011	7-451	7-505	7-397	7-054	6-722	6-640	6-967
1956	6-931	6-651	6-653	6-756	7-195	7-818	7-613	7-632	7-521	7-240	7-019	..	(7-184)
1957	..	6-899	6-798	6-922	7-299	7-644	7-993	7-808	..	7-394	6-993	7-466	(7-322)
1958	7-682	7-083	7-078	6-807	7-387	7-433	7-723	7-786	8-098	7-545	7-373	7-309	7-442
Unit : 1 metre													
SOCORRO ISLAND													
1958	..	0-802	0-869	0-930	1-037	0-922	0-863	0-865	0-994	0-945	0-896	0-863	0-908
Unit : 1 foot													
MANZANILLO													
1954	6-752	6-729	6-285	6-566	6-491	6-942	7-179	6-913	7-032	6-872	6-668	..	(6-766)
1955	..	6-504	6-608	6-319	..	6-420	6-987	7-140	7-211	7-102	6-670	6-849	(6-781)
1956	6-672	6-474	6-435	6-550	6-883	7-430	7-229	7-155	..	6-928	6-858	6-568	(6-835)
1957	6-667	6-596	6-481	6-696	7-086	7-333	7-641	7-444	7-443	7-296	7-323	7-297	7-108
1958	7-414	6-937	6-926	6-544	7-011	7-027	7-308	7-298	7-479	7-131	7-109	7-078	7-105
ACAPULCO													
1952	4-562	4-240	3-997	4-154	4-059	4-341	4-529	4-704	4-578	4-710	4-369	4-537	4-398
1953	4-368	4-195	4-347	4-352	4-476	4-748	4-825	4-761	4-665	4-560	4-519	4-449	4-522
1954	4-474	4-325	3-871	4-248	4-418	4-653	4-908	4-673	4-798	4-484	4-318	4-311	4-457
1955	4-370	4-271	4-374	4-218	4-518	4-409	4-726	4-710	4-315	4-324	4-183	4-330	4-396
1956	4-466	4-265	4-379	4-417	4-803	5-092	4-948	4-890	4-798	4-656	4-604	4-410	4-644
1957	4-489	4-468	4-354	4-718	4-976	5-113	5-453	5-182	5-139	4-943	4-955	4-925	4-893
1958	5-064	4-641	4-630	4-290	4-701	4-724	4-935	4-922	4-987	4-656	4-789	4-717	4-755
SALINA CRUZ													
1952	..	..	..	..	4-356	4-529	4-594	4-832	4-663	4-318	4-272	4-342	(4-488)
1953	4-110	4-477	4-359	4-533	4-672	4-860	4-802	4-946	4-554	4-371	4-153	4-180	4-501
1954	4-155	4-182	3-894	4-247	4-466	4-678	4-731	4-535	4-515	4-134	3-979	3-988	4-292
1955	4-052	4-012	4-310	4-354	4-866	4-633	4-754	4-666	4-560	4-082	3-929	4-052	4-356
1956	4-189	4-141	4-296	4-532	4-725	4-866	4-765	4-698	4-584	4-359	3-981	3-996	4-428
1957	4-192	4-303	4-280	4-808	4-928	5-160	5-144	4-981	4-903	4-666	4-649	4-420	4-703
1958	4-780	4-451	4-431	4-432	4-679	4-793	4-832	4-928	4-949	4-534	4-502	4-245	4-630

ARGENTINA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Unit : 1 metre													
USHUAIA													
1957	..	..	..	..	..	..	1-057	0-878	1-089	1-049	..	1-092	..
1958	1-239	0-960	0-974	1-088	0-997	1-089	..	..	..	..	..	..	..
PUERTO MADRYN													
1957	..	..	..	..	..	..	3-029	2-866	2-911	2-939	2-867	3-020	..
1958	3-081	3-116	2-997	2-983	3-038	3-027	..	..	..	..	..	..	..
PIRAMIDE													
1957	..	..	..	..	..	..	3-001	2-926	2-897	2-966	2-854	3-024	..
1958	3-083	3-000	2-967	2-996	3-033	3-050	..	..	..	..	..	..	..
ROSALES													
1957	..	..	..	..	..	..	2-391	2-247	2-285	2-376	2-255	2-519	..
1958	2-497	2-542	2-498	2-390	2-404	2-520	..	..	..	..	..	..	..
QUEQUÉN													
1957	..	..	..	..	..	..	1-020	0-837	0-857	0-884	0-753	1-000	..
1958	1-054	1-112	0-989	0-987	0-964	1-014	..	..	..	..	..	..	..
MAR DEL PLATA (Puerto)													
1957	..	..	..	..	..	..	0-900	0-802	0-778	0-847	0-809	0-969	..
1958	1-004	1-055	0-919	0-939	0-944	0-968	..	..	..	..	..	..	..
MAR DEL PLATA (Club)													
1957	..	..	..	..	..	..	0-967	0-843	0-840	0-909	0-789	1-016	..
1958	1-067	1-128	0-995	0-976	0-992	1-005	..	..	..	..	..	..	..
SAN CLEMENTE													
1957	..	..	..	..	..	..	1-053	0-956	0-940	0-993	0-894	1-106	..
1958	1-149	1-214	..	..	..	1-115	..	..	..	..	..	..	..
RIO SANTIAGO													
1957	..	..	..	..	..	..	0-810	0-750	0-922	0-929	0-896	0-982	..
1958	1-027	1-136	0-963	0-933	0-988	0-867	..	..	..	..	..	..	..
BUENOS AIRES													
1957	..	..	..	..	..	..	0-613	0-626	0-780	0-812	0-767	0-900	..
1958	0-899	1-007	0-830	0-805	0-839	0-741	..	..	..	..	..	..	..
PALERMO													
1957	..	..	..	..	..	..	0-660	0-640	0-852	0-892	0-860	0-909	..
1958	0-921	1-036	0-865	0-836	0-863	0-752	..	..	..	..	..	..	..
ISLA MARTIN GARCIA													
1957	..	..	..	..	..	..	0-647	0-647	0-863	0-924	0-866	0-849	..
1958	0-890	0-940	0-802	0-774	0-820	0-678	..	..	..	..	..	..	..

URUGUAY

Unit : 1 cm.													
MONTEVIDEO													
1957	102	112	85	106	88	105	93	82	88	91	81	98	94
1958	111	96	99	105	93	87	103	92	90	97	97	96	97
PUERTO DE LA PALOMA													
1957	76	90	71	77	67	86	83	70	77	75	68	88	77
1958	93	89	75	78	76	75	64	82	65	68	73	72	76

VENEZUELA

Unit : 1 foot													
PUERTO DE HIERRO													
1957	3-63	3-37	3-49	3-42	3-46	3-81	3-77	3-86	4-16	4-21	4-08	3-98	3-77
1958	3-90	3-72	3-59	3-64	3-77	3-94	3-79	4-06	4-18	4-17	3-92	3-70	3-87

VENEZUELA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit : 1 foot
CUMANA													
1957	2-96	2-89	3-13	3-00	3-07	3-36	3-33	3-37	3-56	3-86	3-72	3-45	3-31
1958	3-44	3-28	3-13	3-40	3-22	3-47	3-14	3-53	3-78	3-68	3-42	3-11	3-38
LA GUAYRA													
1957	3-51	3-50	3-76	3-60	3-63	3-99	3-96	3-96	4-22	4-48	4-26	4-04	3-91
1958	4-09	3-95	3-74	4-03	4-09	4-05	3-69	4-08	4-37	4-31	3-92	3-84	4-01
AMUAY													
1957	3-85	3-97	4-28	4-05	4-26	4-46	4-28	4-51	4-65	4-97	4-66	4-53	4-37
1958	4-66	4-35	4-30	4-65	4-69	4-61	4-62	4-88	4-97	4-89	4-43	4-20	4-60

BARBADOS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit : 1 foot
ST. JAMES													
1957	..	..	..	..	..	2-94	3-09	2-89	2-94	2-94	2-70	2-71	..
1958	2-65	2-70	2-83	3-29	3-18	3-06	2-89	3-08	3-09	..	..	..	..

MEXICO (GULF COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit : 1 foot
PROGRESO													
1952	3-868	3-884	4-100	3-849	4-154	3-848	3-793	3-838	4-620	4-572	4-238	4-241	4-083
1953	4-082	4-036	3-743	3-879	3-842	3-929	3-722	3-786	4-456	4-469	4-246	3-805	3-999
1954	3-663	3-834	3-882	3-921	4-117	3-717	3-557	3-809	4-632	4-200	4-253	3-714	3-949
1955	3-849	4-068	3-932	3-959	3-822	3-923	3-735	3-829	4-593	4-906	4-589	4-461	4-139
1956	4-224	4-066	4-051	4-077	4-379	4-004	3-685	3-814	4-740	4-478	4-327	3-750	4-133
1957	..	..	3-877	3-960	3-990	4-152	3-886	4-013	4-532	4-594	4-446	3-937	(4-139)
1958	4-020	3-647	4-113	3-907	4-008	4-078	3-832	3-808	4-350	4-738	4-688	4-395	4-132
CIUDAD DEL CARMEN													
1956	..	..	..	..	..	5-048	4-611	4-762	5-504	5-620	5-568	5-020	(5-162)
1957	4-664	4-854	4-937	5-013	5-024	5-172	4-883	5-037	5-568	5-709	5-621	5-214	5-141
1958	5-273	4-646	5-180	5-059	5-016	5-002	4-813	4-808	5-248	5-816	5-812	5-589	5-188
COATZACOALCOS													
1952	6-194	5-974	6-100	5-991	6-228	6-477	6-633	6-770	7-390	7-251	6-445	6-246	6-475
1953	5-757	5-906	5-847	5-787	5-717	5-909	5-729	6-095	6-993	7-090	6-561	6-115	6-126
1954	6-013	5-911	5-999	5-938	6-056	6-015	6-413	6-174	7-123	6-973	6-520	5-920	6-255
1955	5-998	6-164	5-909	5-851	5-639	5-882	6-348	6-217	7-299	7-353	6-652	6-384	6-308
1956	6-065	5-890	5-857	5-946	6-232	6-495	6-237	6-291	7-274	6-956	6-712	6-150	6-342
1957	5-962	6-037	5-993	6-016	5-924	6-060	6-168	6-567	7-081	7-019	6-787	6-224	6-320
1958	6-065	5-692	6-064	5-949	5-820	6-141	6-562	6-225	6-669	7-509	7-203	7-029	6-411
ALVARADO													
1955	4-849	4-935	4-716	..	4-591	4-827	5-462	4-879	5-996	5-805	5-284	5-104	(5-132)
1956	4-933	4-768	4-797	4-917	5-085	5-154	4-826	4-865	5-764	5-531	5-433	4-754	5-069
1957	4-586	4-847	4-857	4-929	4-899	5-045	5-089	5-190	5-727	5-642	5-556	4-943	5-109
1958	5-068	4-715	5-040	4-928	..	5-019	5-666	5-183	5-580	6-222	5-925	5-511	(5-351)
VERACRUZ													
1953	4-368	4-678	4-550	4-652	4-626	4-697	4-480	4-556	5-100	5-075	4-867	4-654	4-692
1954	4-661	4-475	4-585	4-538	4-722	4-570	4-384	4-477	5-213	5-007	4-796	4-421	4-654
1955	4-658	4-747	4-591	4-590	4-489	4-666	4-723	4-575	5-289	5-265	4-980	4-715	4-774
1956	4-541	4-602	4-591	4-765	4-869	4-695	4-371	4-513	5-282	5-088	5-068	4-442	4-736
1957	4-315	4-572	4-660	4-802	4-717	4-870	4-613	4-783	5-241	5-257	5-201	4-605	4-803
1958	4-656	4-369	4-749	4-693	4-611	4-660	4-635	4-535	5-084	5-632	5-411	5-016	4-838
TUXPAN													
1957	..	..	..	..	..	..	..	..	..	..	..	4-723	4-007
1958	4-114	3-808	4-219	4-181	4-036	..	..	4-398	4-022	4-746	5-139	4-766	..
													4-343

MEXICO (GULF COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
TAMPICO													Unit : 1 foot
1952	1-286	1-265	1-458	1-218	1-406	1-772	1-708	1-441	2-469	2-047	1-757	1-454	1-606
1953	0-943	1-177	1-166	1-429	1-618	1-603	1-316	1-368	..	2-115	1-832	1-387	(1-450)
1954	1-282	1-226	1-188	1-232	1-397	1-097	1-145	1-248	2-368	2-735	1-629	1-045	1-466
1955	1-312	1-342	1-208	1-299	1-262	1-246	1-748	1-695	3-250	..	2-116	1-615	(1-645)
1956	1-506	1-258	1-394	..	1-457	1-667	1-539	1-516	2-717	2-088	1-869	1-187	(1-654)
1957	1-223	1-369	1-464	1-620	1-600	1-597	1-367	1-565	2-019	2-186	2-030	1-389	1-619
1958	1-420	1-099	1-537	1-330	1-333	1-564	2-149	1-563	2-314	2-990	2-456	1-760	1-793

UNITED STATES (GULF COAST)

GALVESTON													Unit : 1 foot
1957	3-78	4-07	3-87	4-50	4-78	4-88	4-17	4-43	4-89	4-86	4-71	3-94	4-41
1958	4-00	3-81	4-03	4-24	4-36	4-41	4-33	4-16	5-19	5-18	4-70	4-13	4-38
EUGENE ISLAND													
1939	..	..	..	..	..	2-58	2-13	2-20	2-43	2-58	(2-23)	1-76	..
1940	1-28	(1-49)	(1-90)	2-06	2-14	2-32	2-22	2-28	2-66	2-55	2-21	2-18	2-11
1941	2-01	1-82	1-72	2-21	2-46	2-34	2-26	2-08	3-16	2-89	2-41	2-35	2-31
1942	1-84	2-02	2-11	2-54	2-60	2-62	2-42	2-64	2-81	2-64	2-44	2-07	2-40
1943	1-96	2-05	2-28	2-58	2-87	2-85	2-31	2-49	2-94	2-82	2-32	2-14	2-47
1944	2-00	2-08	2-49	2-80	3-14	2-94	2-58	2-59	2-88	2-65	2-59	1-90	2-55
1945	1-92	2-04	2-49	3-12	3-00	3-06	2-73	2-81	3-02	3-02	2-53	2-13	2-66
1946	2-15	2-29	2-53	2-56	2-86	2-92	2-40	2-56	3-02	3-01	2-95	2-52	2-65
1947	2-35	2-16	2-32	2-62	2-85	2-86	2-56	2-90	2-89	2-88	2-83	2-52	2-65
1948	2-09	2-28	3-01	3-04	2-93	2-75	2-87	2-85	3-17	3-02	2-82	2-42	2-77
1949	2-44	2-69	2-84	2-70	2-94	2-97	2-85	2-65	3-12	3-48	2-64	2-60	2-83
1950	3-00	2-89	2-90	2-99	2-89	2-79	2-83	3-05	3-05	2-96	2-42	2-36	2-84
1951	2-39	2-35	2-74	2-70	2-70	2-68	2-65	2-68	2-99	2-92	2-49	2-65	2-66
1952	2-68	2-67	2-82	2-62	2-83	2-76	2-99	2-71	3-08	2-44	2-29	2-29	2-68
1953	2-16	2-30	2-61	2-77	3-01	3-14	2-69	2-81	3-03	2-84	2-28	2-23	2-67
1954	2-26	2-38	2-42	2-66	2-90	2-63	2-45	2-61	3-07	2-90	2-40	(1-90)	2-55
1955	(2-18)	(2-64)	(2-57)	2-90	2-98	2-87	3-00	2-82	3-06	2-86	2-61	2-32	2-73
1956	2-17	2-44	2-75	2-84	2-99	3-03	2-73	2-84	3-29	3-12	2-83	2-37	2-78
1957	2-47	2-86	(2-81)	(3-13)	3-32	3-61	2-94	3-11	3-32	3-21	3-09	2-73	3-05
1958	(2-71)	(2-45)	(2-75)	(2-93)	3-04	3-24	3-13	3-10	3-61	3-39	3-11	2-60	(3-01)
BAYAU RIGAUD													
1947	(4-78)	(4-53)	(4-80)	(4-95)	(5-15)	(5-16)	(4-89)	5-25	5-33	5-28	5-33	5-04	5-04
1948	4-63	4-65	5-37	5-30	5-20	5-05	5-19	5-28	5-69	5-46	5-31	4-85	5-16
1949	4-78	4-94	4-98	4-98	5-13	5-14	5-15	5-00	5-56	5-75	4-88	4-94	5-10
1950	5-23	5-06	5-00	5-11	5-01	4-99	5-05	5-37	5-47	5-37	4-80	4-70	5-10
1951	4-64	4-61	4-95	4-90	4-86	4-90	4-94	5-01	5-32	5-23	4-84	5-00	4-93
1952	4-92	4-92	5-00	4-81	5-08	4-94	5-11	4-94	5-36	4-87	4-75	4-73	4-95
1953	4-44	4-67	4-82	4-93	5-15	5-37	4-92	5-09	5-38	5-17	4-85	4-70	4-96
1954	4-61	4-71	4-64	4-86	5-12	4-84	4-72	4-88	5-44	5-25	4-76	4-37	4-85
1955	4-55	4-76	4-65	5-03	5-06	5-05	5-18	5-12	5-39	5-21	5-04	4-75	4-98
1956	4-52	(4-78)	4-83	4-89	5-08	(5-07)	(4-86)	(4-94)	5-50	5-32	5-00	4-51	4-94
1957	4-55	4-98	4-85	5-20	5-36	5-59	5-21	5-28	5-69	5-52	5-40	4-81	5-20
1958	4-79	4-50	4-83	(5-02)	5-12	5-26	5-18	5-22	5-77	5-72	5-34	4-88	5-14
PLATFORM "A", HUMBLE OIL													
1949	(8-81)	8-93	8-98	9-06	9-22	9-14	9-19	9-03	9-52	9-75	8-97	9-01	9-13
1950	9-27	(9-09)	(9-03)	(9-14)	(9-04)	(9-02)	(9-08)	9-38	9-57	9-41	8-88	8-77	9-14
1951	8-69	8-54	8-90	8-77	8-87	9-00	8-90	9-01	9-32	9-27	8-91	9-16	8-94
1952	9-06	8-99	9-15	8-73	8-98	8-95	9-05	8-92	9-41	8-96	8-77	8-68	8-97
1953	8-31	8-56	8-70	8-80	9-01	9-26	8-87	9-00	9-37	9-19	8-91	8-72	8-89
1954	8-60	8-78	8-70	8-84	9-05	8-85	8-77	8-82	(9-29)	(9-12)	8-78	8-30	8-83
1955	8-61	8-85	8-70	(8-98)	9-05	9-05	9-10	9-05	9-24	9-07	9-10	8-88	8-97
1956	8-58	8-61	8-84	8-80	8-87	8-85	(8-68)	(8-87)	(9-32)	9-28	9-10	8-61	8-87
1957	8-74	8-89	8-95	9-22	9-41	9-54	(9-00)	9-11	9-47	9-46	9-44	8-79	9-17
1958	8-82	8-50	8-86	9-03	9-11	9-05	8-99	(9-06)	(9-61)	(9-56)	9-22	8-77	9-05

UNITED STATES (GULF COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
PENSACOLA													
1957	8-39	8-65	8-61	8-90	9-05	9-29	9-10	9-11	9-43	9-25	9-14	8-54	8-95
1958	8-43	8-17	8-63	8-79	8-79	8-97	9-00	9-03	9-46	9-33	9-07	8-55	8-85
Unit : 1 foot													
ST. PETERSBURG													
1947	4-04	3-81	3-88	3-96	4-30	4-48	(4-28)	4-42	(4-22)	(4-70)	(4-68)	(4-45)	4-27
1948	(4-00)	4-09	4-61	4-41	4-52	4-56	4-57	4-54	4-60	4-61	4-49	4-14	4-43
1949	3-99	4-01	4-03	4-16	4-22	4-49	4-49	4-59	4-69	4-79	4-24	3-93	4-30
1950	4-22	4-03	3-96	4-11	4-26	4-22	4-37	4-62	4-67	4-43	4-28	4-16	4-28
1951	3-94	3-83	4-14	4-04	4-09	4-33	4-32	4-42	4-58	4-47	4-21	4-20	4-21
1952	4-01	4-03	4-14	4-02	4-29	4-24	(4-20)	(4-35)	(4-40)	(4-10)	(4-10)	(4-29)	4-18
1953	4-07	4-01	4-05	4-19	4-27	4-56	4-27	4-41	4-71	4-43	4-25	4-13	4-28
1954	4-00	4-08	3-88	4-18	4-46	4-33	4-37	4-41	4-65	4-27	4-21	3-89	4-23
1955	4-00	3-86	3-83	4-14	4-26	4-48	4-52	4-50	4-59	4-48	4-28	3-97	4-24
1956	3-96	3-95	3-89	4-09	4-06	4-21	4-16	4-39	4-52	4-33	4-24	3-84	4-14
1957	3-73	4-02	4-17	4-12	4-45	4-67	4-64	4-71	4-74	4-59	4-55	3-94	4-36
1958	3-87	3-68	4-05	4-22	4-09	4-49	4-36	4-46	4-62	4-74	4-49	4-08	4-26

KEY WEST

1957	4-67	5-01	4-99	5-01	5-29	5-18	5-28	5-51	5-46	5-84	5-53	5-12	5-24
1958	5-09	4-60	4-92	4-96	5-00	5-23	5-12	5-20	5-60	5-90	5-44	5-24	5-19

BERMUDA

													Unit : 1 foot
1957	..	..	..	2-62	2-64	2-85	3-18	3-39	3-54	3-98	4-02	3-14	..
1958	3-23	3-11	3-18	3-01	2-87	3-26	3-71	2-95	3-65	..	..	..	..

ST. GEORGES

1932	..	..	..	2-62	2-64	2-85	3-18	3-39	3-54	3-98	4-02	3-14	..
1933	(4-25)	(4-15)	4-12	3-83	4-09	4-55	4-09	3-86	4-01	4-58	4-17	4-02	4-16
1934	4-11	4-05	3-78	3-99	4-23	3-88	4-30	4-81	4-57	4-12	4-30	4-14	4-20
1935	4-48	4-21	4-12	4-11	4-15	4-15	4-18	4-37	4-09	4-22	4-30	4-19	4-21
1936	4-07	3-93	3-88	3-87	3-83	3-95	4-35	4-23	4-17	4-52	4-53	(4-25)	4-13
1937	4-18	4-29	4-36	4-20	4-25	..	..	..	..	..	..	..	..
1944	(4-20)	(4-15)	(4-10)	(4-20)	3-97	4-25	4-13	4-41	4-56	(4-55)	(4-40)	3-89	(4-23)
1945	3-86	4-08	3-62	3-65	4-04	4-22	4-19	4-31	4-76	5-32	4-57	3-93	4-21
1946	3-75	4-10	4-16	3-73	3-40	4-05	4-16	3-75	4-24	4-56	4-44	4-72	4-09
1947	4-35	4-38	4-20	3-87	3-99	4-43	4-26	4-64	4-59	4-52	4-72	4-52	4-37
1948	4-15	3-98	4-24	4-74	3-97	4-30	4-41	4-15	4-45	4-69	(4-60)	4-63	4-36
1949	4-37	4-06	4-34	4-19	4-10	4-35	4-58	4-69	(4-68)	(4-56)	(4-22)	3-92	4-34
1950	4-13	4-69	3-87	3-95	4-19	4-08	4-23	4-64	4-93	4-49	4-06	4-49	4-31
1951	4-37	4-12	4-20	4-47	4-54	4-34	4-10	4-33	4-52	4-12	4-23	4-23	4-40
1952	4-59	4-07	4-01	4-32	4-47	4-47	4-45	4-30	4-67	4-37	4-25	4-79	4-40
1953	4-20	3-95	4-17	4-30	4-25	4-44	4-44	4-64	4-42	4-67	5-11	4-65	4-42
1954	4-44	4-46	4-27	4-30	4-52	4-21	4-33	4-39	4-43	4-38	5-04	4-43	4-43
1955	4-35	4-50	4-65	4-41	4-43	4-61	4-53	4-93	5-21	5-40	4-97	4-48	4-70
1956	4-56	4-24	4-18	4-41	4-06	4-39	4-30	4-80	5-13	5-05	5-04	4-52	4-56
1957	4-02	4-38	4-41	4-03	4-06	4-30	4-57	4-79	4-95	5-37	5-43	4-54	4-57
1958	4-61	4-51	4-58	4-51	4-28	4-65	5-13	4-40	5-03	5-02	4-69	4-78	4-68

UNITED STATES (ATLANTIC COAST)

													Unit : 1 foot
MIAMI BEACH													
1957	3-13	3-54	3-66	3-39	3-61	3-68	3-61	3-68	3-86	4-43	4-08	3-59	3-69
1958	3-62	3-08	3-32	3-36	3-36	3-51	3-27	3-49	3-89	4-39	3-80	3-70	3-57
MAYPORT													
1957	3-29	3-76	3-89	3-59	3-94	3-85	3-96	4-40	4-28	4-95	4-42	3-72	4-00
1958	3-84	3-02	3-82	3-93	3-69	3-78	3-49	3-71	4-19	4-86	4-07	3-99	3-87

UNITED STATES (ATLANTIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
FORT PULASKI													Unit : 1 foot
1935	(6.83)	(6.48)	(6.38)	(6.79)	(6.75)	(6.64)	6.38	6.64	7.00	7.21	7.23	6.38	(6.73)
1936	6.27	6.51	6.18	6.69	7.03	7.14	6.42	6.77	7.14	7.32	6.65	6.90	6.75
1937	6.74	6.79	6.53	6.58	6.97	6.65	6.44	6.83	7.28	7.25	6.72	6.71	6.79
1938	6.47	6.57	6.55	6.51	6.74	6.66	6.57	6.76	6.99	7.34	7.18	6.60	6.75
1939	6.23	6.19	6.46	6.36	6.85	6.60	6.60	(6.58)	7.42	7.18	6.90	6.24	6.63
1940	6.08	6.09	6.42	6.30	6.67	6.48	6.61	7.27	7.44	7.26	6.84	6.62	6.67
1941	6.77	6.56	6.28	6.58	6.49	6.74	6.44	6.57	7.15	7.09	6.91	6.50	6.67
1942	6.42	6.68	6.20	6.67	6.78	6.71	6.54	6.82	7.14	7.48	6.91	6.43	6.73
1943	6.36	(6.14)	(6.59)	6.71	6.96	6.87	(6.64)	6.95	(7.49)	(7.49)	(6.89)	6.54	(6.79)
1944	6.72	6.50	6.74	6.83	7.11	7.11	7.09	6.90	7.16	7.36	(7.08)	(6.44)	6.92
1945	(6.45)	6.25	6.38	6.84	6.68	6.75	(6.73)	6.94	7.15	7.60	7.05	6.94	6.81
1946	6.68	6.31	6.82	6.88	6.93	6.71	6.72	6.70	7.49	7.76	7.56	6.94	6.96
1947	6.76	6.34	6.48	6.73	6.79	7.24	6.88	6.94	7.67	7.74	7.82	7.36	7.06
1948	6.90	7.11	7.20	7.29	7.16	7.10	6.82	7.01	7.84	7.77	7.30	7.01	7.21
1949	6.54	6.79	6.62	6.75	7.11	7.23	7.00	6.95	7.52	7.79	6.83	6.97	7.01
1950	6.48	6.71	6.64	6.77	6.99	6.82	6.33	7.08	7.43	7.52	6.61	6.73	6.84
1951	6.45	6.50	6.77	6.73	6.88	6.97	6.58	6.85	7.21	7.82	7.17	6.81	6.89
1952	6.61	6.78	6.79	6.69	6.91	6.59	6.76	6.86	7.48	7.46	6.87	6.87	6.89
1953	6.37	6.30	6.55	6.63	6.60	7.04	6.90	7.10	7.58	7.65	7.16	6.72	6.88
1954	6.57	6.73	6.44	6.98	7.16	7.26	6.93	6.82	7.20	7.17	6.95	6.42	6.89
1955	6.67	6.59	6.43	6.88	7.18	7.14	6.90	7.31	7.46	7.51	6.79	6.70	6.96
1956	6.77	6.46	6.39	6.58	6.99	6.85	6.33	6.90	7.26	7.65	7.03	6.23	6.79
1957	6.35	6.81	6.98	6.65	7.11	6.97	7.13	7.33	7.39	7.82	7.30	6.70	7.05
1958	6.75	5.96	6.81	6.98	6.80	6.92	6.59	6.77	7.26	7.69	7.02	6.88	6.87
CHARLESTON													
1957	4.80	5.28	5.49	5.08	5.50	5.40	5.54	5.78	5.75	6.01	5.73	5.22	5.46
1958	5.20	4.59	5.25	5.44	5.27	5.36	5.03	5.21	5.59	6.02	5.39	5.29	5.30
MYRTLE BEACH													
1957	..	..	..	..	..	7.25	7.49	7.64	7.73	7.91	7.58	7.00	..
1958	6.97	6.44	7.13	7.30	7.19	7.37	6.99	7.11	7.50	7.87	7.39	7.24	7.21
WILMINGTON													
1935	..	..	..	..	4.29	4.35	4.30	4.22	4.84	4.38	4.65	4.14	..
1936	4.68	4.67	4.65	4.87	4.18	4.67	4.42	4.46	4.51	4.84	4.27	4.66	4.57
1937	4.66	5.05	4.41	4.77	4.64	4.42	4.38	4.57	4.71	4.54	4.22	4.16	4.54
1938	4.29	4.05	4.23	4.43	4.51	4.57	4.48	4.52	4.70	4.87	4.66	4.41	4.48
1939	4.32	4.70	4.99	4.39	4.61	4.45	4.59	4.67	4.87	4.49	4.22	3.98	4.52
1940	3.92	4.34	4.33	4.29	4.50	4.48	4.18	4.79	4.61	4.55	4.36	4.09	4.37
1941	4.19	4.09	4.07	4.36	4.11	4.38	4.50	4.21	4.30	4.28	4.22	3.95	4.22
1942	3.98	4.30	4.43	4.33	4.52	4.48	4.40	4.71	4.76	5.10	4.37	4.20	4.46
1943	4.36	(4.24)	(4.35)	4.69	4.54	4.67	5.00	4.59	4.62	4.79	4.35	(4.15)	4.53
1944	4.47	4.60	4.92	4.90	4.55	4.55	4.74	4.69	4.54	4.96	4.55	4.19	4.64
1945	4.27	4.14	4.23	4.30	4.40	4.50	4.89	4.91	5.69	5.07	4.59	4.96	4.66
1946	4.76	4.65	4.45	4.61	4.79	4.57	4.89	4.87	4.92	5.31	4.95	4.42	4.77
1947	4.61	4.21	4.26	4.41	4.38	4.64	4.58	4.51	5.13	5.05	5.62	4.89	4.69
1948	4.66	5.36	5.07	4.78	4.78	4.90	4.62	4.54	4.89	5.10	5.08	5.03	4.90
1949	4.45	4.61	4.39	4.48	4.89	4.78	4.85	4.81	5.12	4.97	4.70	4.16	4.68
1950	4.02	4.32	4.35	4.47	4.65	4.43	4.76	4.67	4.73	4.69	4.32	4.21	4.47
1951	4.07	4.10	4.49	4.54	4.47	4.62	4.29	4.51	4.52	4.80	4.57	4.40	4.45
1952	4.36	4.71	4.97	4.54	4.76	4.32	4.31	4.51	4.92	4.59	4.53	4.60	4.59
1953	4.54	4.40	4.63	4.50	4.48	4.53	4.42	4.49	4.70	4.80	4.45	4.35	4.52
1954	4.41	4.53	4.29	4.67	4.67	4.68	4.56	4.26	4.44	4.64	4.42	4.15	4.48
1955	4.36	4.30	4.30	4.60	4.69	4.68	4.69	5.18	5.54	5.20	4.54	4.12	4.68
1956	4.39	4.46	4.43	4.55	4.58	4.48	4.34	4.61	4.70	5.05	4.74	4.28	4.55
1957	4.07	4.56	4.97	4.37	4.62	4.81	4.69	4.79	4.93	5.03	4.91	4.82	4.71
1958	4.70	4.29	4.71	4.96	4.78	4.58	4.41	4.40	4.56	5.08	4.55	4.38	4.62
HAMPTON ROADS													
1957	4.81	5.25	5.53	4.96	5.27	5.35	5.14	5.45	5.41	5.60	5.21	4.83	5.23
1958	5.21	4.84	5.69	5.60	5.32	5.32	5.01	5.35	5.44	5.93	5.31	5.12	5.34

UNITED STATES (ATLANTIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Unit : 1 foot													
BALTIMORE													
1957	4-00	4-36	4-67	4-47	4-81	4-96	4-72	4-77	4-89	4-69	4-51	4-13	4-58
1958	4-24	3-75	4-65	5-03	4-77	4-91	4-79	4-88	4-89	4-97	4-60	4-24	4-64

ATLANTIC CITY

1957	6-14	6-46	6-79	6-21	6-55	6-60	6-66	6-78	6-77	6-98	6-57	6-24	6-56
1958	6-71	6-43	7-13	6-79	6-65	6-77	6-72	6-82	6-80	7-06	6-60	6-46	6-75

SANDY HOOK (FORT HANCOCK)

1932	..	..	..	..	..	..	..	..	..	..	4-57	4-12	..
1933	4-36	3-80	4-05	4-46	4-43	4-54	4-55	4-70	4-67	4-50	4-02	4-00	4-34
1934	3-89	(3-63)	(3-96)	4-30	4-21	4-46	4-41	4-37	4-57	4-44	4-12	3-91	4-19
1935	3-96	3-88	4-04	4-55	4-21	4-51	4-40	4-51	4-48	4-32	4-89	4-17	4-33
1936	(3-87)	(4-00)	(4-49)	4-18	4-16	4-47	4-62	4-47	4-58	4-51	4-02	4-14	4-29
1937	4-28	4-49	3-97	4-54	4-46	4-57	4-62	4-47	4-63	4-57	4-32	4-25	4-43
1938	4-43	4-33	4-39	4-35	4-54	4-47	4-38	(4-47)	4-54	4-85	4-35	4-27	4-45
1939	4-13	4-12	4-38	4-42	4-59	4-65	4-60	4-77	(4-68)	(4-51)	(4-34)	4-00	4-43
1940	3-92	4-59	4-04	4-42	4-74	4-59	4-52	4-63	4-65	4-69	4-24	4-28	4-44
1941	4-44	4-04	4-03	4-47	4-41	4-58	4-52	4-50	4-46	4-34	4-17	4-17	4-34
1942	4-11	4-04	4-46	4-48	4-47	4-68	4-64	4-64	4-81	4-76	4-38	4-04	4-46
1943	4-19	3-95	4-16	4-19	4-34	4-51	4-55	4-63	4-72	4-72	4-38	3-78	4-34
1944	4-14	3-99	4-24	4-39	4-38	4-62	4-56	4-56	4-60	4-64	4-87	3-91	4-41
1945	3-92	4-06	4-41	4-34	4-70	4-65	4-64	4-66	4-74	4-57	4-85	4-64	4-52
1946	4-16	4-07	4-51	4-50	4-60	4-63	4-64	4-83	4-86	4-77	4-48	4-08	4-51
1947	4-22	3-83	4-22	4-47	4-59	4-79	4-65	4-80	4-73	4-63	4-91	4-00	4-49
1948	4-27	4-33	4-54	4-43	4-74	4-88	4-75	4-71	4-74	5-04	4-67	4-68	4-65
1949	4-49	4-41	4-22	4-46	4-63	4-55	4-63	4-76	4-62	4-82	4-56	3-99	4-51
1950	4-08	4-26	3-85	4-35	4-37	4-37	4-44	4-63	4-80	4-73	4-80	4-62	4-44
1951	4-21	4-32	4-87	4-56	4-87	4-97	4-68	4-84	4-79	4-93	4-67	4-27	4-66
1952	4-45	4-46	4-64	4-63	4-82	4-80	4-61	4-74	4-85	4-82	4-92	4-84	4-23
1953	4-83	4-23	4-65	4-70	4-95	4-70	4-72	4-86	4-82	4-80	4-81	4-59	4-34
1954	4-43	4-47	4-31	4-51	4-93	4-86	4-77	4-74	4-80	4-81	4-59	4-70	4-63
1955	4-45	4-30	4-31	4-98	4-74	4-93	4-88	5-06	4-84	5-09	4-70	4-18	4-70
1956	4-73	4-32	4-66	4-75	4-56	4-79	4-84	5-02	5-01	5-01	4-66	4-51	4-74
1957	4-13	4-47	4-81	4-42	4-73	4-76	4-74	4-77	4-75	4-92	4-57	4-39	4-62
1958	4-72	(4-44)	5-16	5-03	4-78	4-77	4-79	4-90	4-90	5-11	4-73	4-44	4-81

NEW YORK

1957	4-94	5-31	5-59	5-23	5-52	5-57	5-55	5-60	5-58	5-76	5-44	5-27	5-45
1958	(5-56)	(5-30)	(6-02)	(5-93)	5-60	5-69	5-78	5-79	5-87	5-99	5-42	5-15	5-68

UNITED STATES (ATLANTIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
WILLETS POINT (FORT TOTTEN)												Unit : 1 foot	
1931	..	..	..	..	..	..	..	8-81	8-69	8-54	8-23	8-06	..
1932	8-37	8-39	8-09	8-27	8-24	8-46	8-55	8-56	8-80	8-46	8-83	8-32	8-44
1933	8-64	8-02	8-30	8-64	8-68	8-71	8-74	8-82	8-87	8-66	8-26	8-25	8-55
1934	8-13	(7-80)	(8-13)	8-47	8-38	8-68	8-65	8-61	8-82	8-65	8-40	8-14	8-40
1935	(8-25)	(8-06)	8-27	(8-68)	(8-47)	8-73	8-67	8-75	8-69	8-58	9-09	8-40	8-55
1936	(8-10)	(8-23)	(8-71)	8-29	8-41	8-70	8-82	8-67	8-77	8-63	8-24	8-35	8-49
1937	8-46	8-70	8-18	8-74	8-66	8-75	8-80	8-66	8-80	8-68	8-54	8-43	8-62
1938	8-61	8-52	8-55	8-53	8-72	8-64	8-57	8-73	8-77	9-02	8-50	8-40	8-63
1939	8-33	8-34	8-51	8-59	8-81	8-79	8-78	8-92	8-84	8-70	8-62	8-32	8-63
1940	8-25	8-82	8-38	8-67	8-94	8-83	8-75	8-81	8-84	8-85	8-45	8-52	8-68
1941	8-60	8-28	8-24	8-64	8-66	8-80	8-76	8-66	8-60	8-54	8-43	8-37	8-55
1942	8-31	8-25	8-65	8-69	8-67	8-84	8-84	8-83	8-99	8-91	8-61	8-22	8-65
1943	8-41	8-24	8-43	8-45	8-56	8-79	8-77	8-88	8-94	9-01	8-66	8-06	8-60
1944	8-41	8-26	8-55	8-69	8-57	8-89	8-78	8-77	(8-84)	(8-87)	9-18	8-16	8-66
1945	(8-20)	(8-34)	8-69	8-56	8-91	8-91	9-02	8-95	8-97	8-85	9-14	8-93	8-79
1946	8-45	8-38	8-69	8-77	8-81	8-75	8-83	8-97	8-95	8-99	8-69	8-36	8-72
1947	8-37	8-16	8-45	8-65	8-80	8-96	8-80	8-90	8-90	8-78	9-07	8-21	8-67
1948	8-40	(8-56)	8-73	8-59	8-97	9-04	8-94	8-90	8-94	9-16	8-84	8-87	8-83
1949	8-66	8-64	8-40	8-73	8-79	8-66	8-78	8-92	8-76	8-91	8-74	8-23	8-69
1950	8-34	8-48	8-02	8-56	8-49	8-52	8-65	8-76	8-94	8-87	9-09	8-78	8-62
1951	8-42	8-52	9-07	8-77	9-04	9-12	(8-86)	(8-98)	(8-95)	9-05	8-79	9-12	8-83
1952	8-60	8-65	8-87	8-75	9-02	8-96	8-78	(8-85)	8-90	8-69	8-89	9-00	8-83
1953	9-02	8-33	8-78	8-82	9-05	8-86	8-78	8-98	8-90	9-02	8-90	8-33	8-82
1954	8-55	8-58	8-45	8-62	9-05	8-97	8-89	8-94	8-89	8-94	8-78	8-51	8-76
1955	8-55	8-40	8-41	9-07	8-82	9-02	8-90	9-13	8-92	9-25	8-72	8-27	8-79
1956	8-88	8-40	8-71	8-86	8-65	8-83	8-93	9-06	9-13	9-05	8-80	8-60	8-82
1957	8-29	8-60	8-88	8-43	8-78	8-78	8-89	8-82	8-83	8-98	8-63	8-48	8-70
1958	8-88	(8-62)	9-32	9-07	8-80	8-81	8-89	8-95	9-00	9-20	8-78	8-51	8-90
NEW LONDON (STATE PIER)													
1938	..	..	..	..	..	..	4-65	4-76	..	4-76	4-40	4-51	(4-62)
1939	4-40	4-41	4-51	4-61	4-72	4-74	4-76	4-83	4-83	4-70	4-58	4-46	4-63
1940	4-25	4-77	4-43	4-65	4-86	4-83	4-72	4-70	4-81	4-80	4-55	4-56	4-66
1941	4-62	4-42	4-35	4-61	4-68	4-79	4-80	4-78	4-71	4-65	4-55	4-48	4-62
1942	4-41	4-43	4-71	4-70	4-65	4-87	4-82	4-79	4-89	4-82	4-69	4-44	4-68
1943	4-41	4-42	4-40	4-53	4-59	4-77	4-75	4-88	4-81	4-97	4-74	4-21	4-62
1944	4-39	4-34	4-50	4-63	4-57	4-87	4-84	4-80	4-83	4-87	5-16	4-48	4-69
1945	(4-44)	4-48	4-73	4-64	4-97	4-91	4-83	(4-81)	4-88	4-85	5-04	4-99	4-80
1946	4-60	4-56	4-73	4-84	4-88	4-92	4-91	4-97	4-89	4-94	4-79	4-47	4-79
1947	4-54	4-45	4-70	4-66	4-80	4-94	4-87	4-86	4-80	4-76	5-12	4-35	4-74
1948	4-44	4-53	4-72	4-64	4-90	4-98	4-96	4-90	4-89	5-06	4-83	4-88	4-81
1949	4-69	4-69	4-46	4-76	4-80	4-71	4-81	4-89	4-79	4-88	4-81	4-24	4-71
1950	4-34	4-47	4-15	4-57	4-48	4-59	4-64	4-77	4-89	4-83	4-98	4-83	4-63
1951	4-54	4-55	5-02	4-82	4-95	5-07	4-86	4-95	4-91	4-97	4-86	4-61	4-84
1952	4-68	4-67	4-79	4-72	5-00	4-92	4-76	4-83	4-91	4-72	4-86	4-96	4-82
1953	4-95	4-48	4-81	4-87	5-04	4-86	4-83	4-91	4-94	4-93	(4-93)	4-62	4-85
1954	4-63	4-69	4-63	4-63	5-06	5-00	4-95	4-95	5-01	5-02	4-87	4-68	4-84
1955	4-75	4-54	4-57	5-01	4-86	5-02	4-95	5-10	4-97	5-23	4-96	4-41	4-86
1956	4-88	4-50	4-76	4-94	4-72	4-91	4-94	5-05	5-04	4-97	4-90	4-71	4-86
1957	4-40	4-60	4-92	4-57	4-82	4-84	4-91	4-86	4-86	4-98	4-78	4-60	4-76
1958	4-97	4-75	5-27	5-10	4-83	4-93	4-94	5-00	5-04	5-16	4-89	4-62	4-96
NEWPORT													
1957	2-97	(3-15)	3-40	3-01	3-35	3-39	3-49	3-40	3-40	3-51	3-37	3-19	3-30
1958	3-48	3-33	3-73	3-51	3-30	3-45	3-53	3-55	3-60	3-71	3-48	3-16	3-49
BOSTON													
1957	8-08	8-21	8-48	8-18	8-47	8-46	8-51	8-40	8-34	8-53	8-52	8-26	8-37
1958	8-77	8-64	9-03	8-81	8-46	8-51	8-54	8-48	8-58	8-66	8-50	8-24	8-60

UNITED STATES (ATLANTIC COAST)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
													Unit : 1 foot
PORTLAND													
1957	12-98	13-09	13-40	13-13	13-33	13-39	(13-48)	(13-31)	13-33	13-37	13-40	13-21	13-28
1958	13-45	13-48	13-78	13-71	13-42	13-40	13-49	13-47	13-51	13-50	13-39	13-18	13-48
BAR HARBOR													
1947	..	..	..	..	..	..	..	..	8-74	8-68	9-18	8-74	..
1948	8-74	(8-68)	8-82	8-71	8-94	9-01	9-01	8-93	8-83	8-92	8-85	9-00	8-87
1949	8-74	8-75	8-62	8-80	8-80	8-72	8-85	8-84	8-76	8-78	8-89	8-40	8-75
1950	8-49	8-65	(8-44)	8-65	8-56	8-71	8-70	8-74	8-88	8-86	9-03	8-91	8-72
1951	8-70	8-58	8-98	8-85	8-96	8-94	8-88	8-90	8-89	8-89	8-94	8-81	8-86
1952	8-85	9-01	8-86	8-82	9-11	9-06	8-83	8-82	8-81	8-83	8-88	9-07	8-91
1953	9-11	8-74	8-86	8-98	8-97	8-88	8-83	8-93	8-90	8-84	8-88	8-89	8-90
1954	8-90	8-89	8-88	8-70	9-07	9-00	8-92	8-91	8-92	8-95	8-86	8-88	8-91
1955	9-05	8-67	8-87	9-04	9-04	9-05	8-94	8-94	8-71	8-96	8-98	8-55	8-90
1956	8-92	8-71	8-88	8-96	8-78	8-92	8-97	9-00	8-87	8-78	8-95	8-78	8-88
1957	(8-62)	8-75	8-94	8-72	8-95	8-93	8-99	8-83	8-88	8-90	8-97	8-75	8-85
1958	9-15	9-09	9-41	9-18	8-85	8-99	8-96	8-93	9-03	9-05	8-94	8-75	9-03
EASTPORT													
1957	14-10	14-13	14-32	14-16	14-38	14-41	..	..	..	14-42	14-49	14-18	..
1958	..	..	..	..	..	..	..	..	..	..	..	..	..

CANADA (ATLANTIC AND NORTH COASTS)

													Unit : 1 foot
ST. JOHN, N.B.													
1956	14-137	14-025	14-084	14-478	14-638	14-472	14-291	14-364	14-142	14-142	14-142	14-343	14-285
1957	13-998	14-283	14-536	14-402	14-771	14-440	14-353	14-351	14-316	14-336	14-546	14-596	14-411
1958	14-833	14-743	14-780	14-834	14-711	14-596	14-424	14-556	14-660	14-521	14-624	14-396	14-640
HALIFAX													
1957	3-855	3-936	4-145	3-881	3-987	3-834	3-891	3-790	3-854	4-055	4-003	3-915	3-929
1958	4-358	4-454	4-533	4-218	3-748	3-926	(4-012)	3-842	4-036	4-097	4-107	4-112	4-120
PICTOU													
1957	3-656	3-891	4-048	3-833	3-757	3-491	3-595	3-603	3-677	3-680	3-754	3-622	3-716
1958	3-826	4-220	4-134	3-704	3-389	3-632	3-730	3-712	3-847	3-830	4-079	3-974	3-840
CHARLOTTETOWN													
1956	5-561	5-348	5-308	5-238	5-139	5-160	5-274	5-336	5-187	5-302	5-398	5-351	5-300
1957	5-138	5-220	5-484	5-189	5-221	5-115	5-291	5-246	5-309	5-363	5-484	5-375	5-285
1958	5-534	5-880	5-650	5-320	5-038	5-452	5-342	5-372	5-476	5-509	5-703	5-576	5-488
FATHER POINT													
1956	7-755	7-450	7-342	7-599	7-542	7-639	7-597	7-540	7-431	7-370	7-348	7-331	7-496
1957	7-095	7-171	7-505	7-314	7-489	7-471	7-722	7-347	..	..	..	..	..
1958	7-456	7-935	7-764	7-721	7-473	7-706	7-582	7-580	7-596	7-501	7-694	7-233	7-603
QUEBEC													
1956	9-100	8-130	8-281	9-161	8-788	8-847	8-492	8-465	8-379	8-175	8-313	9-755	8-657
1957	7-683	8-189	8-844	8-469	8-582	8-551	8-826	8-191	8-353	8-219	8-693	8-259	8-405
1958	8-778	9-006	9-577	9-746	8-709	8-650	8-602	8-395	8-432	8-559	8-453	7-607	8-710
HARRINGTON													
1958	3-563	3-900	3-628	3-413	3-184	3-542	3-603	3-656	3-849	3-820	3-908	3-708	3-648

CANADA (ATLANTIC AND NORTH COASTS)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
ST. JOHN'S, NEWFOUNDLAND												Unit : 1 foot	
1935	..	..	..	..	..	..	..	2-02	2-25	2-14	2-15	2-70	..
1936	2-64	(2-75)	(2-35)	2-05	1-92	1-81	2-00	2-00	2-35	2-32	2-34	2-25	(2-23)
1937	2-56	2-58	2-25	2-05	1-95	1-81	1-98	2-02	2-07	..	..	..	..
1942	..	3-01	2-68	2-33	2-08	2-14	2-16	2-25	..	..	..	..	..
1957	..	2-813	2-776	2-685	2-574	2-421	2-594	2-082	2-901	2-597	2-711	2-483	2-609
1958	2-454	2-921	2-812	2-316	1-977	2-371	2-418	2-456	2-532	2-953	2-910	2-929	2-587
CHURCHILL													
1957	7-850	7-955	7-653	7-663	7-771	8-146	7-832	7-825	8-203	8-058	8-130	8-266	7-946
1958	7-724	7-609	7-219	7-310	8-035	8-091	7-796	7-984	8-134	8-016	8-459	8-483	7-905
RESOLUTE													
1957	..	..	..	..	..	..	..	..	3-413	3-390	3-273	3-358	..
1958	3-088	3-025	2-682	2-928	3-109	3-352	3-486	3-307	3-563	3-393	3-384	3-395	3-226

TABLE C: ANNUAL MEAN HEIGHTS OF SEA-LEVEL

Country	Unit	Station	1952	1953	1954	1955	1956	1957	1958
British Isles	1 foot	Blyth						7.559	7.539
France	1 cm.	Dunkerque						0.267	0.015
		Boulogne						0.050	
		Le Havre							0.104
		Cherbourg							-0.095
		Le Conquet						0.160	0.054
		St. Jean-de-Luz						0.205	
		Port Vendres						0.017	0.062
		Sète						-0.010	-0.057
		Port de Bouc Villefranche						0.077 -0.014	0.273
Corsica	1 cm.	Ajaccio						0.173	-0.351
		Bonifacio						0.218	-0.464
		Bastia						0.220	
Tunisia	1 cm.	Sfax						-0.035	0.106
		Sousse						-0.056	0.030
		La Goulette						-0.022	
Algeria	1 cm.	Bône No. 2						0.188	0.363
		Alger						-0.020	-0.078
		Oran						-0.034	-0.016
Morocco	1 cm.	Casablanca						0.003	-0.011
		Agadir						0.039	
Madagascar	1 cm.	Tamatave	0.042	0.129	0.162	0.041	0.092	0.086	

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