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PERMANENT SERVICE FOR MEAN SEA LEVEL

MONTHLY and ANNUAL MEAN HEIGHTS
of SEA LEVEL
1962 to 1964

1968

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MONTHLY and ANNUAL MEAN HEIGHTS of SEA LEVEL 1962 to 1964

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MONTHLY and ANNUAL MEAN HEIGHTS of SEA LEVEL 1962 to 1964

Permanent Service for Mean Sea Level

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INTRODUCTION

This publication is the seventh in the series of volumes containing monthly and annual means of sea level, and the first to be produced by computer. Its predecessors are Publications Scientifiques Numeros 5, 10, 12, 19, 20 and 24. Continuity of presentation has been preserved in the form of Tables A and B; Table C, which has formerly been required for annual means of stations where monthly means were not computed, is now redundant.

Table A. contains details of observing stations, methods of reduction of basic observations, and the years for which data are published. The authority quoted is that which has supplied the information, and is not always the authority responsible for maintaining the gauge.

The datum is that to which the heights in Table B are referred.

B. M. denotes a local Bench Mark, ideally the primary tide gauge Bench Mark.

In the column headed Obs., the figure given indicates the number of readings of tidal height per day used to compute the mean values; H. L. indicates that only high and low water heights were used; c denotes that mean values have been determined by integration from a continuous record.

Table B. contains monthly and annual mean values of sea level referred to the datum described in Table A.

All mean values are given in millimetres for the first time, though corrigenda referring to data published in previous volumes are in the units appropriate to these data.

As recommended in the introduction to our last volume, suffixes are now incorporated to indicate means determined from incomplete sets of observations. Thus

- (i) a monthly mean given as 353(14) signifies that 14 days of observations were missing and not interpolated when computing the mean of 353 mm.
- (ii) a monthly mean given as 133 (XX) signifies that missing observations were interpolated before computing the mean of 133 mm.
- (iii) an annual mean which is substantially affected by either of the above considerations is accompanied by a (XX) suffix.

The treatment of incomplete records in mean sea level reductions.

For the benefit of data contributors who do not have a copy of Publication Scientifique No. 24, the relevant article is reproduced here:-

"One of the most important things for users of the mean sea level data publications to know is the accuracy of the published figures. Many factors can contribute to a lack of accuracy, and it is obviously impossible to list them all, still less to make an estimate of their magnitude.

One aspect of this problem concerns the uncertainty introduced by gaps in the tidal record. In the past, such uncertainties have been covered, along with those arising from all other sources, by entering the monthly and annual means affected in parenthesis, thus: ().

The Mean Sea Level Committee feels that some guide should be given to contributors of data in an attempt to standardise procedure. At present some authorities indicate, when sending mean values to the Permanent Service, how many days observations are missing in each month. Others ignore gaps altogether when communicating their averages, with the result that all such published data appear to have equal weight. There appears to be no reason why a monthly mean based on only one day's observations should not be published.

The Committee therefore makes the following recommendations:

- 1) Gaps in observed tidal records should be interpolated, if possible, before computing monthly and annual means.
- 2) The interpolation should be performed at an early stage in the processing, (e. g. recorded curve, high and low water heights, hourly heights, 3-hourly heights, or daily totals or means). One principle to adopt is that of a comparison with the complete records from a nearby station.
- 3) In cases where interpolation is impossible, the monthly mean should be compiled from the incomplete data. Where more than 15 days are missing from the month a mean value should not be computed.
- 4) When sending mean values to the Permanent Service in future, authorities are requested to use suffixes after each monthly mean to indicate the exact number of missing days of data. The suffix should be in parentheses. It should be underlined if it refers to missing days which have been interpolated. Thus: 6. 24(3) would mean 3 days were missing and not interpolated;
6. 43(3) would mean 3 days were interpolated and the interpolations contributed to the average of 6. 43.
- 5) No suffixes need be placed after the annual mean. It is assumed that all the data used to calculate monthly means will be used to calculate the annual mean, and the user of the publications will judge the reliability of the annual mean accordingly.

These recommendations have raised the question of the best method of computing the annual mean. Two methods appear to be in use. The first is to average all the available daily values of mean sea level (see page 8 of Special Publication No. 23 of the International Hydrographic Bureau); the second is to average the twelve monthly means. Even for a year with no missing data, the first method is slightly more accurate, as it gives equal weight to each daily mean; the second method gives equal weight to each calendar month, even though these are not of equal duration. But for a year with missing observations, particularly if the gaps were concentrated in one month, the average of the 12 monthly means can give a false annual mean.

It is therefore recommended:

- 6) That if annual means are computed by averaging the monthly means, the monthly means must first be weighted. The weight for each month should be the number of days for which readings were available. "

The computation of monthly and annual mean values

The attention of data contributors is drawn to the facilities offered by the Permanent Service in assisting the rapid and efficient reduction of sea level recordings

to provide monthly and annual mean values. These come under three headings :-

- (i) Advice on methods of data processing in accordance with the facilities available to the authority concerned
- (ii) a limited data processing service, whereby the authority sends the sea level recordings to the Permanent Service for processing
- (iii) the provision of computer programs.

Further details can be obtained from the Permanent Service.

Catalogue of Published Mean Sea Level Data (1807-1958).

Since the publication of this catalogue (Publication Scientifique No. 23, I. U. G. G. Monographie No. 13) a number of errata have come to our attention. The first list of such errata was published in the last data publication. Additional corrections are as follows:-

Page Station

1	Grindavik	Lat. 63°50'N	Long. 22°26'W
2	Narvik	1948 and 1949 should read CC not cc	
11	Dundee	Should read 1890 AAA 1900 AAAAA AAAAA 1910 AAA.	
11	Dunbar	Should read 1910 . . . aA AAAAA 1920 AaAAA AAAAA 1930 AAAAA AABBB 1940 BBBBB BCCCC 1950 C.	
18	Ereglisi	Lat. 41°17'N	Long. 31°25'E
	Izmir	38°24'N	27°10'E
	Iskenderun	36°37'N	36°07'E
	Antalya	36°53'N	30°42'E
37	Los Angeles	33°43'N	118°16'W

In continuation of the coding system adopted, data appearing in the present publication can be added to the catalogue list by "G" for a complete year and "g" for an incomplete year.

Acknowledgements.

The Mean Sea Level Committee of the International Association of Physical Oceanography, and the Director of the Permanent Service wish to thank all those authorities who have so willingly contributed data and information regarding their installations. We respectfully urge these authorities to maintain and, if possible, to increase the quantity and quality of the data.

J. R. Rossiter
Secretary to the Committee.

TABLE A

Authorities, Stations and Conditions

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
ICELAND	Columbia University, New York	Grindavik	65 50N	22 26W	5-508m below BM No. 2	24	1961 - 1964
FAROE ISLANDS	Det Danske Meteorologiske Inst., Charlottenlund	Thorshavn	62 00N	06 46W	Local levelling zero	24	1957 - 1964
SOVIET UNION (Arctic Coast)	Institute of Aeroclimatology, Moscow	Murmansk	68 58N	33 03E	19-292m below BM	24	1952 - 1964
		Ruskeya Gavan Barentsburg	76 14 78 04	62 39 15 14	5-478m below BM 6-965m below BM	24 24	1953 - 1964 1943 - 1964
NORWAY	Norges Geografiske Oppmåling, Oslo	Vardo	70 20N	31 06E	North Norwegian Normal Null	24	1962 - 1964
		Hammerfest	70 40	23 40	North Norwegian Normal Null	24	1962 - 1964
		Tromsø	69 39	18 58	Harbour Authority Zero	c	1961 - 1964
		Harstad	68 48	16 33	Local	c	1962 - 1964
		Frønskjær	68 35	16 33	North Norwegian Normal Null	24	1962 - 1964
		Narvik	68 26	17 25	4-015m above North Norwegian Normal Null	24	1930 - 1939
		Kabelveg	68 13	14 29	North Norwegian Normal Null	24	1962 - 1964
		Bodo	67 17	14 25	Harbour Authority Zero	c	1962 - 1964
		Mosjøen	65 51	13 12	Norwegian Normal Null	24	1962 - 1964
		Bronnoysund	65 29	12 13	Norwegian Normal Null	24	1962 - 1963
		Trondheim	63 26	10 25	Local	c	1962 - 1964
		Heimsjø	63 26	09 07	Local	c	1962 - 1964
		Norges Sjøkartverk Norges Geografiske Oppmåling	Kraetiansund, N. Ålesund Kjetstøl	Ålesund	63 07	07 44	Local	c	1962 - 1964
Kjetstøl	62 28			06 09	Local	c	1962 - 1964
Ålesund	61 55			05 38	Norwegian Normal Null	24	1962 - 1963
Heimdal	61 56			05 07	Local	c	1962 - 1964
Bergen	60 24			05 48	Norwegian Normal Null	24	1962 - 1964
Stavanger	58 58			05 44	Norwegian Normal Null	24	1962 - 1964
Tregde	58 00			07 34	Norwegian Normal Null	24	1962 - 1964
Mælundshavn	58 58			09 53	Norwegian Normal Null	24	1962 - 1964
Oslo	59 54			10 45	Norwegian Normal Null	24	1962 - 1964
Oscarsborg	59 40			10 37	Norwegian Normal Null	24	1962 - 1964

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
SWEDEN	Sveriges Meteorologiska och Hydrologiska Inst., Stockholm	Stronstad	58 57N	11 11E		1	1962 - 1964
		Smøgen	58 22	11 13		24	1962 - 1964
		Gothenburg	57 43	11 57		24	1962 - 1964
		Varberg	57 06	12 13		24	1962 - 1964
		Klagshamn	55 31	12 54		24	1962 - 1964
		Ystad	55 25	13 49		24	1962 - 1964
		Kungsholmsfort	56 06	15 35	220m below the Zero of the	24	1962 - 1964
		Olands N. Udde	57 22	17 06	Swedish precision levelling	24	1962 - 1964
		Landsort	58 45	17 52		24	1962 - 1964
		Nedre Södertälje	59 12	17 37		1	1962 - 1964
		Stockholm	59 19	18 05		24	1962 - 1964
		Björn	60 38	17 58		24	1962 - 1964
		Nedre Gävle	60 40	17 10		1	1962 - 1964
		Draghällan	62 20	17 28		24	1962 - 1964
		Ratan	64 00	20 55		24	1960 - 1964
Furuoggrund	64 55	21 14		24	1962 - 1964		
FINLAND (Baltic Coast)	Merentutkimuslaitos (Institute for Marine Research), Helsinki	Kemi	65 44N	24 33E		6	1962 - 1964
		Oulu/Uleaborg	65 02	25 26		6	1962 - 1964
		Raahen/Brahéstad	64 42	24 30		6	1962 - 1964
		Pietarsaar/Jakobstad	63 42	22 42		6	1962 - 1964
		Vaasa/Vasa	63 06	21 34		6	1962 - 1964
		Kaskinen/Kasko	62 23	21 13	1921.0 Reference plane, or	6	1962 - 1964
		Mantyluoto	61 36	21 29	200.0cm below the mean sea	6	1962 - 1964
		Rauma/Raumo	61 08	21 29	level at the epoch 1921.0	6	1962 - 1964
		Turko/Abo	60 25	22 06		6	1962 - 1964
		Degerby	60 02	20 23		6	1962 - 1964
		Hanko/Hango	59 49	22 58		6	1962 - 1964
		Helsinki	60 09	24 58		6	1962 - 1964
Hamina	60 34	27 11		6	1962 - 1964		
SOVIET UNION (Baltic Coast)	Institute of Aeroclimatology, Moscow	Kaliningrad	54 57N	20 13E	7.48m below BM	24	1926 - 1941 1950 - 1964
POLAND	Polish National S.C.O.R., Sopot	Gdansk/Nowy Fort	54 24N	18 50E		6	1962 - 1964
		Sopot	54 27	18 35		24	1955 - 1964
		Wladyslawowo	54 48	18 25	5.000m below N.N. (Nominally)	6	1962 - 1964
		Ustka	54 35	15 52		6	1962 - 1964
		Kolobrzeg	54 11	15 43		6	1962 - 1964
		Swinoujście	53 55	14 16		6	1962 - 1964

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years			
DENMARK	Det Danske Meteorologiske Inst., Charlottenlund	Gedser	54 34N	11 56E	Danske N.N.	24	1962 - 1964			
		Rodbyhavn	54 39	11 21		24	1962 - 1964			
		Kobenhavn	55 41	12 36		24	1962 - 1964			
		Hornbaek	56 06	12 28		24	1962 - 1964			
		Korsaa	55 20	11 08		24	1962 - 1964			
		Sjersbohus	55 17	10 50		24	1962 - 1964			
		Konmarrk	54 56	10 04		24	1962 - 1964			
		Fredericia ✓	55 34	09 46		24	1962 - 1964			
		Aarhus	56 09	10 13		24	1962 - 1964			
		Frederikshavn	57 26	10 34		24	1962 - 1964			
		Hirtshald	57 36	09 57		24	1962 - 1964			
		Esbjerg ✓	55 28	08 27		24	1962 - 1964			
		NETHERLANDS	Rijkswaterstaat Directie Algemene Dienst, 's-Gravenhage	Delfzijl ✓		53 20N	06 56E	Normal Amsterdams Peil (N.A.P.)	8	1962 - 1964
				Terschelling ✓		53 22	05 13		8	1962 - 1964
Harlingen ✓	53 10			05 25	8	1962 - 1964				
Den Helder ✓	52 58			04 45	8	1962 - 1964				
IJmuiden ✓	52 28			04 35	8	1962 - 1964				
Hoek van Holland ✓	51 59			04 07	8	1962 - 1964				
Hellevoetsluis ✓	51 49			04 08	8	1962 - 1964				
Brouwershaven ✓	51 44			03 54	8	1962 - 1964				
Zierikzee ✓	51 38			03 52	8	1962 - 1964				
Wlissingen ✓	51 27			03 26	8	1962 - 1964				
BRITISH ISLES	National Institute of Oceanography	Lerwick ✓	60 05N	01 05W	2-021m below Ordnance Datum (NewLyn) 2-728m below Ordnance Datum (NewLyn) 2-545m below Ordnance Datum (NewLyn) 2-568m below Ordnance Datum (NewLyn) 1-978m below Ordnance Datum (NewLyn) 2-088m below Ordnance Datum (NewLyn) 2-645m below Ordnance Datum (NewLyn) 8-431m below Ordnance Datum (NewLyn) 4-569m below Ordnance Datum (NewLyn) 2-080m below Ordnance Datum (NewLyn) 0-009m below Ordnance Datum (NewLyn) 0-024m below Ordnance Datum (NewLyn) 3-877m below Ordnance Datum (NewLyn) 3-642m below Ordnance Datum (NewLyn) 2-582m below Ordnance Datum (NewLyn) 2-105m below Ordnance Datum (NewLyn) 0-936m below Ordnance Datum (NewLyn) 2-654m below Ordnance Datum (NewLyn) 2-868m below Ordnance Datum (NewLyn) 7-836m below Ordnance Datum (NewLyn) 3-697m below Ordnance Datum (NewLyn)	24	1962 - 1964			
		Invergordon ✓	57 41	04 10		24	1960 - 1964			
		Aberdeen ✓	57 09	02 05		24	1914 - 1964			
		Rosyth ✓	56 01	03 27		24	1964			
		Leith ✓	55 59	03 10		24	1962 - 1964			
		Blyth ✓	55 01	01 29		H.L.	1955 - 1964			
		North Shields ✓	55 01	01 24		H.L.	1895 - 1964			
		Scarborough ✓	54 47	00 23		24	1962 & 1964			
		Immingham ✓	53 37	00 11		24	1962 - 1964			
		Lowestoft ✓	52 28N	01 45E		24	1962 - 1964			
		Harwich ✓	51 57	01 17		24	1962 - 1964			
		Southend ✓	51 51	00 44		24	1929 - 1964			
		Tilbury ✓	51 28	00 22		24	1962 - 1964			
		Ramsgate ✓	51 20	01 25		24	1962 - 1964			
		Dover ✓	51 07	01 19		24	1962 - 1964			
		Shoreham ✓	50 50N	00 15W		24	1962 - 1964			
		Hydrographic Dept., London	50 45	01 07		24	1961 - 1964			
		Portsmouth ✓	50 34	02 26		24	1961 - 1964			
		Portland ✓	50 22	04 11		24	1961 - 1964			
		Devonport ✓	50 06	03 33		24	1962 - 1964			
NewLyn ✓	51 37	05 55	24	1962 - 1964						
Swansea ✓	51 31	05 33	24	1962 - 1964						
Hydrographic Dept., London	51 42	05 01	24	1962 - 1964						

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
BRITISH ISLES (continued)	Liverpool Tidal Institute	Fishguard ✓	52 00	04 58	1-868m below Ordnance Datum (Newlyn)	24	1962 - 1964
		Holyhead ✓	53 19	04 37	6-812m below Ordnance Datum (Newlyn)	24	1962 - 1964
		Hilbre Island ✓	52 25	03 15	4-456m below Ordnance Datum (Newlyn)	24	1962 - 1964
		Birkenhead (Alfred Dock) ✓	53 24	03 01	4-452m below Ordnance Datum (Newlyn)	24	1962 - 1964
		Liverpool (Princes Pier) ✓	53 25	03 00	4-452m below Ordnance Datum (Newlyn)	24	1962 - 1964
		Heysham ✓	54 02	02 55	8-943m below Ordnance Datum (Newlyn)	24	1962 - 1964
		Douglas ✓	54 09	04 28	3-115m below I.O.M. Ordnance Datum	H.L.	1962 - 1964
		Storm Tide Warning Service	58 12	06 23	Local	24	1963 - 1964
		Liverpool Tidal Institute	54 51	05 47	1-012m above Ordnance Datum (Dublin)	24	1962 - 1964
		Belfast ✓	54 36	05 55	2-015m below Ordnance Datum (Belfast)	24	1962 - 1964
EIRE	Ordnance Survey, Dublin Liverpool Tidal Institute Dublin Ports and Docks Board	Malin Head ✓	55 22N	07 20W	Irish Ordnance Datum (Foolbeg)	24	1962 - 1964
		Galway ✓	53 16	09 02		24	1964
		Dublin ✓	53 21	06 13	0-456m above Irish Ordnance Survey Datum	H.L.	1962 - 1964
CHANNEL ISLANDS	States' Engineer's Office	St. Helier (Jersey) ✓	49 11N	02 07W	Admiralty Chart Datum	H.L.	1962 - 1964
FRANCE (North & West) Coasts	Institut Géographique National, Paris Service Hydrographique de la Marine, Paris Institut Géographique National, Paris	Dunkerque ✓	51 03N	02 22E		24	1959 - 1963
		Dieppe ✓	49 56	01 05		24	1958 - 1963
		Le Havre ✓	49 29	00 06		24	1959 - 1963
		Cherbourg ✓	49 59	01 37W		24	1960 - 1963
		Brest ✓	48 25	04 30		24	1962 - 1964
		Vla-Pallée St-Jean-de-Luz	46 10 43 24	01 13 01 41		24 24	1956 - 1963 1960 - 1963
SPAIN (North & West) Coasts	Instituto Espanol de Oceanografía, Madrid Instituto Geográfico y Catastral, Madrid Inst. Espanol de Oceanografía Inst. Geográfico y Catastral Inst. Espanol de Oceanografía	Pasaajes	43 19N	01 55W	Local datum	24	1952 - 1963
		Santander (I)	43 28	03 48	6-000m below BM	24	1952 - 1963
		Santander (II)	43 28	03 46	Local Datum	24	1962 - 1964
		La Coruna (I)	43 22	08 24	5-010m below BM	24	1943 - 1963
		La Coruna (II)	43 22	08 24	Local Datum	24	1962 - 1964
		Vigo	42 44	08 44	3-965m below BM	24	1952 - 1963
PORTUGAL	Instituto Geográfico e Cadastral, Lisbon	Cascais	38 44N	09 25W	BM	24	1882 - 1964
		Lagos	37 06	08 40	BM	24	1908 - 1962
GIBRALTAR	Hydrographic Dept., London	Gibraltar	36 07N	05 21W		24	1961 - 1964
SPAIN (South & East) Coasts	Instituto Geográfico y Catastral, Madrid	Alicante	38 20N	00 29W	BM (2-161m above previous BM)	24	1962 - 1964

MEAN SEA LEVEL DATA (1962-1964)

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Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
FRANCE (South Coast)	Institut Géographique National, Paris	Sète	43 24N	03 42E	Zéro du nivellement général de la France	24	1960 - 1961
		Port de Boue	43 24	04 59		24	1960 - 1963
		Martigues	43 24	05 05		24	1960 - 1963
		Marseille	43 18	05 21		24	1960 - 1965
MONACO	Institut Géographique National, Paris	Monaco (Condamine) Monaco		Zéro du nivellement général de la France	24 3	1956 - 1962 1902 - 1921	
ITALY (West Coast)	Istituto Idrografico	Genova	44 24N	08 54E	2-560m below BM	H.L.	1884 - 1963
ITALY (East Coast)	Servizio Idrografico Sezione Autonoma di Bologna Istituto Sperimentale Talassografico, Trieste	Porto Corsini	44 30N	12 17E	Local	H.L.	1962 - 1964
		Venice (Punta della Salute)	45 46	12 20	1-50m below zero on the Italian State Altimeter network	24	1955 - 1964
		Trieste	45 39	13 45	1-50m below I.L.M. Hopfner (1949)	H.L.	1945 - 1952 1960 - 1964
		Koper	45 33N	13 44E	4-036m below BM	24	1962 - 1964
YUGOSLAVIA	Hidrometeoroloski Zavod, Ljubljana	Rovinj	45 05	13 38	5-820m below BM	24	1962 - 1964
		Bakar	45 18	14 32	3-373m below BM	24	1962 - 1964
		Split rt. Marjana	45 30	16 23	3-230m below BM	24	1962 - 1964
		Split Harbour	43 30	16 26	3-923m below BM	24	1962 - 1964
		Dubrovnik	42 40	18 04	5-333m below BM	24	1962 - 1964
		Bar	42 05	19 05	4-276m below BM	24	1964
		Port Tuzpse	44 06N	39 04E	8-046m below BM	24	1917 - 1964
		Trabzon	41 00N	39 43E	BM	H.L.	1960 - 1964
		Samsun	41 17	36 20	BM	H.L.	1961 - 1964
		Ereglisi	41 17	31 25	BM	H.L.	1960 - 1962
ISRAEL (Mediterranean) Coast	Israel Ports Authority, Ashdod	Izmir	38 24	27 10	BM	H.L.	1960 - 1964
		Antalya	36 53	30 42	BM	H.L.	1960 - 1964
		Iskenderun	36 37	36 07	BM	H.L.	1960 - 1964
		Jaffa	32 03N	34 45E	Land Survey Datum	24	1962 - 1964
SPANISH MOROCCO	Institut Espanol de Oceanografia, Madrid	Ashdod	31 50	34 39	Land Survey Datum	24	1962 - 1964
		Ceuta	35 54N	05 19W	4-192m below BM	24	1952 - 1964
IFNI	Liverpool Tidal Institute, England	Sidi Ifni	29 22N	10 12W		24	1963

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
AZORES	Servico Meteorologico Nacional, Lisbon	Ponta Delgada	37 44N	25 44W	3+30m below NP	H.L.	1962 - 1963
		Angra do Heroismo	38 39	27 44	5+83m below NP	H.L.	1962 - 1964
		Horta	38 32	28 38	1+17m below NP	H.L.	1962 - 1964
		Santa Cruz das Flores	39 27	31 08	4+08m below NP	H.L.	1962 - 1964
CANARY ISLANDS	Instituto Geografico y Catastral, Madrid	Santa Cruz de Tenerife	28 29N	16 14W	Local datum	24	1962 - 1964
		Dakar	14 40N	17 25W	BM	24	1960 - 1964
GHANA	Survey Department, Accra	Takoradi	04 53N	01 45W	3+086m below BM GCS 4	24	1962 - 1964
		Tema	05 37	00 00	3+416m below BM SUPPL 8/5	24	1963 - 1964
FERNANDO POO	Liverpool Tidal Institute, England	Santa Isabel	03 44N	08 48E		24	1963
FRENCH EQUATORIAL AFRICA	Institut Géographique National, Paris	Pointe Noire	04 47S	11 50E	Zéro du nivellement de l'Afrique Centrale	24	1959 - 1960
		SOUTH AFRICA	Walvis Bay	22 57S	14 30E	6+364m below S.A.N. 1	c	1962 - 1964
Luderitz	26 38		15 09	3+699m below BM	c	1962 - 1964	
Port Nolloth	29 15		16 52	6+358m below BM	c	1962 - 1964	
Stompneus Bay	32 43		17 59	5+191m below S.A.N. 1	c	1962 - 1964	
Table Bay Harbour	33 55		18 26	4+267m below BM 1	c	1962 - 1964	
Simons Bay	34 11		18 26	3+883m below S.A.N. 222	8	1962 - 1964	
Hermanus	34 26		19 14	2+992m below H.L.G	c	1962 - 1964	
Mossel Bay	34 41		22 09	6+473m below S.A.N. XXX	c	1962 - 1964	
MOZAMBIQUE	Instituto Hidrografico, Lisbon	Krystna	34 05	23 03	3+923m below S.A.N. 1	8	1962 - 1964
		Loureno Marques	25 58S	32 34E	6+024m below MN 1	24	1961 - 1964
MADAGASCAR	Institut Géographique National, Paris	Mozambique Island	15 02	40 44	5+962m below MN 1	24	1963 - 1964
		Nosy-Bé	13 24S	48 17E	BM	24	1960 - 1964
SEYCHELLES	Hydrographic Department, London	Port Victoria	04 37S	55 27E	Chart Datum	8	1962 - 1963
		MAURITIUS	Liverpool Tidal Institute, England	Port Louis	20 09S	57 29E	0+396m below BM 3	24	1942 - 1947 1953 - 1963

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
CHAGOS ARCHIPELAGO	Columbia University	Diego Garcia	07 24S	72 28E	2-4.26m below BM 1	24	1960 - 1964
MALDIVIVE ISLANDS	Hydrographic Department, London	Gan	00 34S	73 13E		24	1962 - 1963
LACCADIVE ISLANDS	Survey of India, Dehra Dun	Minicoy	08 17N	73 03E	2-4.5m below BM	24	1963 - 1964
TANZANIA	Landis, Settlement & Water Development, Dar es Salaam	Mtwara Tanga	10 17S 05 04	40 13E 39 06	3-0.6m below TCEM 3-0.6m below TCEM	24 24	1956 - 1962 1962 - 1964
KENYA	Harbour Authority, Kilindini	Kilindini	04 04S	39 39E	Chart datum	24	1964
ISRAEL (Gulf of Akaba)	Israel Ports Authority, Ashdod	Eilat			Land Survey Datum	24	1962 - 1964
ADEN PROTECTORATE	Liverpool Tidal Institute, England	Aden	12 47N	44 59E	3-960m below BM	24	1960 - 1964
MUSCAT AND OMAN	Hydrographic Department, London	Masira	20 13N	58 38E		24	1961 - 1962
PAKISTAN (West)	Meteorological Service	Karachi	24 48N	66 58E		24	1962 - 1964
INDIA	Survey of India, Dehra Dun	Kandla	23 01N 23 00 23 00	70 13E 70 14 70 14	8-2.3m below BM	24	1959 - 1963 1963 - 1964
		Veraval	20 54	70 22	6-26m below BM	24	1959 - 1964
		Bhambagar	21 45	72 14	11-35m below BM	H.L.	1959 - 1964
		Bombay (Apollo Bandar)	18 55	72 50	8-52m below BM	24	1959 - 1964
		Mangalore	12 51	74 50	4-4.4m below BM	24	1961 - 1964
		Cochin (Willington Is.)	09 58	76 16	*1-91m below BM	24	1956, 1958-1964
		Madras	13 06	80 48	5-0.4m below BM	24	1959 - 1964
		Visakhapatnam	17 41	83 17	6-8.4m below BM	24	1959 - 1964
		Saugor	21 39	88 03	5-96m below BM	24	1959 - 1964
		Diamond Harbour	22 12	88 10	4-87m below BM	24	1959 - 1964
		Garden Reach	22 33	88 48	7-26m below BM	24	1959 - 1964
		Tribeni	22 59	88 24	7-26m below BM	24	1962 - 1964

* Tide gauge re-located in July 1963.

* Re-definition of datum: reference level for mean values remains unchanged.

Country	Authority	Station	Long. ° ,	Lat. ° ,	Datum	Obs.	Years
PAKISTAN (East)	Meteorological Service	Chittagong (T.M. Compound)	22 19N	91 45E	5° 92.9m below BM	24	1962 - 1964
		Chittagong (Juldia Point)	22 15	91 50	9° 74.8m below BM	24	1963 - 1964
CEYLON	Liverpool Tidal Institute	Colombo	06 57N	79 51E	2° 82.5m below BM G.T.S.	24	1957
BURMA	Survey of India, Dehra Dun	Rangoon	16 46N	96 10E	6° 81m below BM	24	1955 - 1961
		Moulmein	16 29	97 37	7° 28m below BM	H.I.	1959 - 1964
		Amherst	16 05	97 34	10° 58m below BM	H.I.	1959 - 1964
ANDAMAN ISLANDS	Survey of India, Dehra Dun	Port Blair	11 41N	92 46E	5° 30m below BM	24	1959 - 1964
MALAYASIA	Liverpool Tidal Institute	Singapore	01 17N	103 51E	Chart datum	24	1954 - 1961
CHRISTMAS ISLAND	Australian Oceanographic Data Center	Christmas Island	10 00S	105 40E		H.I.	1962 - 1963
COCOS ISLAND	Australian Oceanographic Data Center	Cocos Island	12 08S	96 45E	0° 39.6m below BM	H.I.	1961 - 1962
THAILAND	Hydrographic Department, Bangkok	Phuket	07 50N	98 26E	Local	24	1957 - 1964
		Prachuap Kirikhan	11 48	99 49	Local	24	1957 - 1964
		Bangkok Bar	13 27	100 36	Local	24	1957 - 1964
		Fort Phrachula Chomklao	13 33	100 35	Local	24	1957 - 1964
		Ko Sichang	13 09	100 49	Local	24	1957 - 1964
CHINA	Hidrografico Instituto, Lisbon Port Works, Hong Kong	Macao (Macao-Siao)	22 12N	113 33E	Local	24	1962 - 1964
		Chi Ma Wan	22 14	114 00		c	1961 - 1964
		Hong Kong	22 18	114 12	5° 581m below BM	H.I.	1962 - 1964
		Tai Po (Tolo Harbour)	22 27	114 11	4° 077m below BM	24	1963 - 1964
KOREA	Hydrographic Office, Seoul	Inchon	37 28N	126 37E	1° 012m below Geodetic BM	24	1960 - 1964
		Kunsan	35 59	126 43	7° 515m below TEM No. 1	24	1960 - 1964
		Mokpo	34 47	126 23	4° 657m below TEM	24	1960 - 1964
		Chinhae	35 09	128 39	4° 051m below TEM	24	1960 - 1964
		Fusan	35 06	129 02	2° 540m below TEM	24	1960 - 1964
		Ulsan	35 30	126 23	8° 270m below Geodetic BM	24	1962 - 1964
SOVIET UNION (Pacific Coast)	Institute of Aeroclimatology, Moscow	Yushno Kurilsk	44 01N	145 52E	45° 587m below BM	24	1948 - 1964
		Nagavea Bay	59 44	150 42	9° 592m below BM	24	1957 - 1964
		Petropavlovsk	53 00	158 38	32° 134m below BM	24	1960 - 1964

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years	
JAPAN (Shikoku)	Meteorological Agency Geographical Survey Institute	Uwajima Tosa-Shimizu Kochi	33 14N	132 33E	5-265m below BM	24	1962 - 1964	
			32 47	132 58	4-540m below BM		1962 - 1964	
			33 30	133 34	5-000m below BM		1962 - 1964	
	JAPAN (Kyushu)	Oceanographic Data Center Geographical Survey Institute Meteorological Agency	Mozi Hosojima Aburatsubo Kagoshima Misumi Sasebo Izuhara	33 57N	130 58E	16-014m below BM	24 24	1958 - 1964
				32 26	131 40	5-000m below BM		1962 - 1964
				31 35	131 25	6-643m below BM		1957 - 1964
				31 36	130 34	4-267m below BM		1957 - 1964
				32 37	130 27	8-973m below BM		1957 - 1964
				33 10	129 43	6-141m below BM		1951 - 1964
				34 12	129 18	4-090m below BM		1951 - 1964
JAPAN (Nansei Shoto)	Oceanographic Data Center	Nase	28 23N	129 30E	4-960m below BM	24	1958 - 1964	
JAPAN (Honshu, West) Coast	Meteorological Agency Oceanographic Data Center Meteorological Agency	Shimonoseki (I) Shimonoseki (II) Tonoura	33 58N	130 57E	5-800m below BM	24	1962 - 1964	
			33 58	130 57	7-906m below BM		1955 - 1960	
			34 54	132 04	3-865m below BM		1962 - 1964	
	Oceanographic Data Center Meteorological Agency Geographical Survey Institute	Meizuru Miyazu Wajima Kashiwazaki	35 33	133 14	2-770m below BM	24	1962 - 1964	
			35 29	135 24	3-168m below BM		1951 - 1964	
			35 32	135 42	3-295m below BM		1962 - 1964	
			37 24	136 54	3-000m below BM		1962 - 1964	
			37 21	138 31	4-000m below BM		1962 - 1964	
			38 34	139 33	3-000m below BM		1962 - 1964	
	Meteorological Agency Oceanographic Data Center Geographical Survey Institute	Iwasaki Ominato Asamushi	40 35	139 54	6-000m below BM	24 24	1962 - 1964	
			41 15	141 09	2-838m below BM		1962 - 1964	
			40 54	140 52	4-000m below BM		1952 - 1964	
							1962 - 1964	
PHILIPPINE ISLANDS	Bureau of Coast and Geodetic Survey, Manila	Manila Legaspi Tacloban, Leyte Cebu Davao Jolo, Sulu	14 35N	120 58E	5-153m below BM No. 4	24 24 24 24 24 24	1962 - 1964	
			13 09	123 45	3-667m below BM No. 1		1962 - 1964	
			11 15	125 00	4-576m below BM No. 5		1962 - 1964	
			10 48	123 54	3-853m below BM No. 6		1962 - 1964	
			07 05	125 38	3-965m below BM No. 4		1962 - 1964	
			06 04	121 00	4-265m below BM No. 1		1962 - 1964	
							1962 - 1964	

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
CAROLINE ISLANDS	United States Coast and Geodetic Survey, Washington	Truk, Moen Island	07 27N	151 51E	2-4.54m below BM B	24	1961 - 1964
MARSHALL ISLANDS	U.S.C. & G.S.	Eiwetok Kwajalein Wake Island	11 22N 08 44 19 17	162 21E 167 44 166 57	3-1.65m below BM 1 3-0.91m below BM A 4-9.67m below BM 2	24 24 24	1961 - 1964 1961 - 1964 1961 - 1964
NEW CALEDONIA	Institut Géographique National, Paris	Noumea	22 18S	166 26E	6-12m below BM	24	1960 - 1964
SAMOA ISLANDS	U.S.C. & G.S.	Pago Pago	14 17S	170 47W	3-4.84m below BM 2 (1943)	24	1961 - 1964
PHOENIX ISLANDS	U.S.C. & G.S.	Canton Island	02 48S	171 43W	3-0.78m below BM 2 (1929)	24	1961 - 1964
HAWAIIAN ISLANDS	U.S.C. & G.S.	Midway Island Johnston Island Nawiliwili Honolulu Mokulooe Kahului Hilo	28 13N 16 45 21 58 21 48 21 26 15 47 20 45 19 44	177 22W 169 31 159 21 157 52 157 47 156 28 155 05	4-1.27m below BM 73 2-8.74m below BM 5 2-7.07m below BM 7 3-7.94m below BM 8 (1913) 1-9.66m below BM 1 3-4.56m below BM 2 3-7.46m below BM B-2 (1926)	24 24 24 24 24 24 24	1961 - 1964 1961 - 1964 1961 - 1964 1961 - 1964 1961 - 1964 1961 - 1964 1961 - 1964
LINE ISLANDS	U.S.C. & G.S.	Christmas Island	01 57N	157 28W	2-9.75m below BM 3	24	1961 - 1964
ILES DE LA SOCIETE	Institut Géographique National, Paris	Matavai, Tahiti	17 31S	149 37W		24	1960 - 1964
EASTER ISLAND	Servicio Hidrografico Naval, Buenos Aires	Isla de Pascua	27 09S	109 26W		24	1962
ALEUTIAN ISLANDS	U.S.C. & G.S.	Messara Bay, Attu Sweeper Cove, Adak Unalaska	52 50N 51 52N 53 53N	173 12E 176 35W 166 32W	5-0.29m below BM 6 6-8.70m below BM 16 (1951) 3-2.46m below BM 2	24 24 24	1961 - 1964 1961 - 1964 1961 - 1964
ALASKA	U.S.C. & G.S.	Womens Bay Seward Yakutat Sitka Skagway Juneau Ketchikan	57 43N 60 05N 59 33 57 02 59 26 58 18 55 20	152 31W 149 27W 139 44 135 20 135 19 134 24 131 38	6-111m below BM No. 4 20-306m below BM K-11 19-4.77m below BM K-11 9-6.58m below BM No. 1 5-5.14m below BM No. 8 11-0.15m below BM No. 1 13-0.056m below BM No. 8 8-9.96m below BM No. 24	24 24 24 24 24 24 24	1961 - 1964 1961 - 1963 1964 1940 - 1963 1961 - 1964 1961 - 1964 1936 - 1964 1961 - 1964

MEAN SEA LEVEL DATA (1962-1964)

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Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years		
CANADA (Pacific Coast)	Canadian Hydrographic Service, Ottawa	Prince Rupert	54 19N	130 20W	9•903m below BM HS - 1944	24	1962 - 1964		
		Queen Charlotte City	53 15	132 04	8•150m below BM HS - 1911	24	1964		
		Bella Coola, B.C.	52 22	126 47	6•190m below BM HS - A - 1951	24	1964		
		Bella Bella, B.C.	52 10	128 08	3•737m below BM HS - 43 - 1961	24	1964		
		Fort Moody, B.C.	49 17	122 52	7•126m below BM TS - 24	24	1964		
		Alert Bay	50 35	128 56	7•495m below BM HS - 1947	24	1962 - 1964		
		Fort Hardy	50 43	127 29	4•353m below BM HS - 10 - 1964	24	1962 - 1964		
		Point Atkinson	49 20	123 15	6•105m below BM HS - 118 - 1950	24	1962 - 1964		
		Vancouver	49 17	123 07	12•238m below BM	24	1962 - 1964		
		Tofino	49 09	125 55	3•944m below BM HS - 1 - 1940	24	1962 - 1964		
		Fulford Harbour	48 46	123 27	3•706m below BM HS - 1 - 1952	24	1962 - 1964		
		Victoria	48 25	123 22	4•694m below BM 737 - J	24	1962 - 1964		
		UNITED STATES (Pacific Coast)	United States Coast and Geodetic Survey, Washington	Neah Bay	48 22N	124 37W	6•943m below BM 15 (1954)	24	1961 - 1964
				Seattle	47 36	122 20	9•010m below BM 7 (1912)	24	1961 - 1964
				Sacramento	41 45	124 12	5•678m below BM 10 (1950)	24	1961 - 1964
				San Francisco	37 48	122 28	5•794m below BM 180 (1936)	24	1961 - 1964
Avila	35 10			120 44	7•952m below BM 11 (1945)	24	1961 - 1964		
Los Angeles	33 43			118 16	5•361m below BM 8	24	1961 - 1964		
San Clemente Island	33 00			118 33	5•761m below BM 2	24	1961 - 1962		
La Jolla	32 52			117 15	5•828m below BM 5 (1945)	24	1961 - 1964		
San Diego	32 42			117 14	4•944m below BM 13 - M	24	1961 - 1964		
MEXICO (Pacific Coast)	Instituto de Geofisica, Mexico 20			Ensenada	31 51N	116 38W	4•360m below BM No. 1	24	1962 - 1964
		La Paz	24 10	110 21	4•658m below BM No. 1	24	1962 - 1964		
		Guaymas	27 55	110 54	4•437m below BM No. 1	24	1962 - 1964		
		Topolobampo	25 36	109 03	3•767m below BM No. 1	24	1963 - 1964		
		Matatlan	25 12	106 25	4•759m below BM No. 1	24	1962 - 1964		
		Manzanillo	19 03	104 20	5•566m below BM No. 1	24	1962 - 1964		
		Acapulco	16 50	99 55	3•240m below BM No. 1	24	1962 - 1964		
		Puerto Angel	15 30	96 30	4•834m below BM No. 1	24	1964		
		Salina Cruz	16 10	95 12	4•376m below BM No. 1A	24	1962 - 1964		
		GUATEMALA	U.S.C. & G.S.	San Jose	13 55N	90 50W		24	1961 - 1963
La Union	13 20N			87 49W	6•968m below BM 3	24	1961 - 1963		
COSTA RICA (Pacific Coast)	U.S.C. & G.S.	Puntarenas	09 58N	84 50W	6•450m below BM 1	24	1961 - 1963		
		Quepos	09 24	84 10	7•708m below BM 1Q	24	1961 - 1963		
PANAMA (Pacific Coast)	U.S.C. & G.S. Panama Canal Company	Puerto Armuelles	08 16N	82 52W	7•879m below BM 3	24	1961 - 1963		
		Balboa	08 58	79 34	3•656m below Precise Level Datum	24	1962 - 1964		
		Naos Island	08 55	79 32	8•583m below BM 3	24	1961 - 1964		
COLOMBIA (Pacific Coast)	U.S.C. & G.S.	Buenaventura	03 54N	77 06W	7•565m below BM 2	24	1961 - 1964		
		Tumaco	01 50	78 44	6•315m below BM 1	24	1961 - 1963		

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years		
ECUADOR	United States Coast and Geodetic Survey, Washington	La Libertad San Cristobal	02 12S	80 57W	6-501m below BM 1	24	1961 - 1964		
			00 54	89 37	5-529m below BM BM-1	24	1960 - 1963		
PERU	U.S.C. & G.S.	Talara Chimbote Callao San Juan Matarani	04 37S	81 17W	6-075m below BM 2	24	1961 - 1963		
			09 05	78 38	5-380m below BM 1	24	1961 - 1963		
			12 03	77 09	5-081m below BM 1	24	1961 - 1963		
			15 22	75 12	4-776m below BM 1	24	1961 - 1963		
			17 00	72 07	4-596m below BM 2	24	1961 - 1963		
			18 28S	70 20W	5-432m below BM	24	1962 - 1964		
			23 39	70 24	3-790m below BM	24	1962 - 1964		
			27 04	70 50	3-598m below BM	24	1963 - 1964		
			33 02	71 38	4-828m below BM	24	1962 - 1964		
			36 41	73 06	2-272m below BM 3	24	1962 - 1964		
CHILE	Department de Navegacion e Hidrografica, Valparaiso	Arica Antofagasta Caldera Valparaiso Talcahuana Corral Puerto Montt Punta Arenas Caleta Percy	41 29	72 57	11-196m below BM	24	1963 - 1964		
			53 10	70 54	4-509m below BM	24	1962 - 1964		
			52 54	70 16	3-018m below BM 1	24	1962 - 1964		
			54 45S	68 13W					
			45 52	67 29					1960 - 1964
			42 46	65 02					1960 - 1964
			43 35	64 17					1960 - 1964
			38 56	62 04					1960 - 1964
			38 35	58 42					1960 - 1964
			38 02	57 32					1960 - 1964
ARGENTINA	Servicio de Hidrografia Naval, Buenos Aires	Ushuaia Comodoro Rivadavia Puerto Madryn Piramide Rosales Quequen Mar del Plata (Puerto) Mar del Plata (Club) Buenos Aires Palermo Isla Martin Garcia	34 00	57 33		24	1960 - 1964		
			34 36	58 22		24	1960 - 1964		
			34 34	58 24		24	1960 - 1964		
			34 11	58 15		24	1960 - 1964		
			34 28S	57 51W					1954 - 1962
			33 07	58 19					1956 - 1961
			34 55	56 13					1958 - 1962
			34 39	54 08					1955 - 1962
			28 14S	48 39W					1961 - 1963
			22 56	43 08					1961 - 1963
URUGUAY	Servicio de Hidrografia de la Marime, Montevideo	Imbituba Rio de Janeiro Cansvieiras Sao Salvador Recife Fortaleza Belem	15 10	36 36	4-310m below BM 1-M	24	1961 - 1963		
			12 58	38 51	10-403m below BM 1	24	1961 - 1963		
			08 05	34 52	4-737m below BM 2	24	1961 - 1963		
			03 43	36 29	3-002m below BM 1	24	1961 - 1963		
			01 27	48 30	4-451m below BM 1	24	1961 - 1963		
			01 27	48 30	4-882m below BM 1	24	1961 - 1963		
			01 27	48 30	4-545m below BM 1	24	1961 - 1963		
			28 14S	48 39W					1961 - 1963
			22 56	43 08					1961 - 1963
			15 10	36 36					1961 - 1963
BRAZIL	U.S.C. & G.S.	Imbituba Rio de Janeiro Cansvieiras Sao Salvador Recife Fortaleza Belem	08 05	34 52	4-737m below BM 2	24	1961 - 1963		
			03 43	36 29	3-002m below BM 1	24	1961 - 1963		
			01 27	48 30	4-451m below BM 1	24	1961 - 1963		

MEAN SEA LEVEL DATA (1962-1964)

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
VENEZUELA	Cartografía Nacional División de Geodesia, Caracas	Puerto de Hierro	10 37N	62 05W	3•504m below BM 1	24	1955-56, 1962-63
			10 34	62 17	4•420m below BM 1	24	1963 - 1964
			10 28	64 42	1•925m below BM 4	24	1955-56, 1962-64
			10 28	66 56	2•005m below BM MFG 1B'	24	1953-56, 1962-64
			11 45	70 13	4•854m below BM MSA 5	24	1962 - 1964
10 44	71 35		24	1964			
COLOMBIA (Caribbean Coast)	U.S.C. & G.S.	Rihacha Cartagena	11 33N	72 55W	4•685m below BM 4	24	1961 - 1964
			10 24	75 33	7•760m below BM 4	24	1961 - 1963
PANAMA (Caribbean Coast)	Panama Canal Company	Cristobal	09 24N	79 55W	0•610m below Precise Level Datum	24	1962 - 1964
COSTA RICA (Caribbean Coast)	U.S.C. & G.S.	Puerto Limon	10 00N	83 02W	4•304m below BM ZL	24	1961 - 1963
HONDURAS	U.S.C. & G.S.	Puerto Castilla La Ceiba Puerto Cortes	16 01N	86 02W	1•801m below BM M-3	24	1961 - 1964
			15 46	86 50		24	1961 - 1963
			15 50	87 57	2•746m below BM 2	24	1961 - 1964
MEXICO (Gulf Coast)	Instituto de Geofisica, Mexico 20	Progreso Ciudad del Carmen Alvarado Veracruz Tuxpan Tampico (Muelle Fiscal) Ciudad Madero Tampico, Tamps.	21 18N	89 40W	8•114m below BM No. 1	24	1962 - 1964
			18 38	91 51	3•542m below BM No. 1	24	1962 - 1964
			18 46	95 46	2•817m below BM No. 1	24	1962 - 1964
			19 11	96 07	3•969m below BM No. 1	24	1962 - 1964
			21 00	97 20	2•562m below BM No. 1	24	1962 - 1964
			22 15	97 51	4•716m below BM No. 1	24	1962 - 1964
			22 15	97 48	4•439m below BM No. 1	24	1962 - 1964
			23 13	97 51	3•499m below BM No. 1	24	1963 - 1964
CUBA	U.S.C. & G.S.	Guantanamo Bay	19 54N	75 09W	9•866m below BM 1	24	1961 - 1963
JAMAICA	U.S.C. & G.S.	Port Royal	17 56N	76 51W	1•125m below BM 1 (1962)	24	1960 - 1963
HAITI	U.S.C. & G.S.	Port au Prince	18 34N	72 21W	2•935m below BM 1	24	1961
PUEERTO RICO	U.S.C. & G.S.	Maguay Island	17 58N	67 05W	4•755m below BM 1	24	1961 - 1964

Country	Authority	Station	Long. °	Lat. °	Datum	Obs.	Years
CANADA (Atlantic & North Coasts) (continued)	Hydrographic Service, Ottawa	Naip, Labrador	56 32W	61 42W	9+997m below BM School	24	1963 - 1964
		Probishier Bay	63 45	68 32	12+436m below BM HB-2	24	1965 - 1964
		Churchill, Hudson Bay	58 47	94 12	6+130m below BM 566-D	24	1962 - 1964
		Resolute, N.W.T.	74 41	94 54	8+601m below BM Carrol	24	1962 - 1964
		Cambridge Bay, N.W.T.	69 07	105 04	7+010m below BM-1-1961	24	1962 - 1964
		Tuktoyaktuk, N.W.T.	69 25	132 58	7+524m below BM-4-1957	24	1962 - 1964
		Alert, N.W.T.	82 30	62 19	3+106m below BM-3-1960	24	1962 - 1964
GREENLAND	Det Danske Meteorologiske Institut, Charlottenlund	Godthab	64 11N	51 45W	Local levelling zero	24	1958 - 1964
ANTARCTICA	Servicio de Hidrografico del Naval, Argentina National Institute of Oceanog- raphy, England	Bahia Esperanza	63 24S	57 00W		24	1961 - 1964
		Argentine Islands	65 15	64 16	8+795m below Trig. Point 204		1958 - 1961
		Iles Kerguelen, Port aux Francais	49 24S	70 13E			24	1962 - 1964

TABLE B

**MONTHLY AND ANNUAL MEAN HEIGHTS
OF SEA-LEVEL**

ICELAND

GRINDAVIK		ICELAND											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1999(1)	1951(1)	1804(4)	1795	1753	1847	1743	1853	1957	1868(2)	1804	1861	
1962	2033	1756	1597	1707	1646	1807	1713	1820	1871	1829	1853	1792	
1963	1643	1841	1978	1777	1811	1774	1801	1841(1)	1850(1)	1981(3)	1942(1)	1911(1)	1846
1964	1978(1)	1878	1786(4)	1859(3)	1878	1881	1881	1820(2)	1890(2)	1892(8)	1829(18)	1932	1880

FAEROE ISLANDS

THORSHAVN		FAEROE ISLANDS											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	** (31)	38(2)	-34	-139	-127	-85(1)	-19	-26(1)	-8	99	-25(11)	68	46 W
1958	25	-27	-146	-141(1)	-113	-105	-69	-10	-7	53	-7	113	-23(XX)
1959	-56	-71	5(2)	-23	-147(7)	-40(1)	28(5)	-8(1)	6(1)	73(1)	102(1)	146(3)	2
1960	-124(10)	-21(9)	-138(2)	-109	-117(5)	-27	63(2)	41	43	43	143	91(1)	28
1961	1	6	-28	-30(1)	-45(2)	52	-16	66	117(1)	138(3)	74	2(1)	-9
1962	91	-152(1)	-156	-171	-100(1)	-51	-95(1)	23(4)	32	49	-20	6	28
1963	-140	-43(1)	** (31)	-56(1)	-33	-45(7)	5(9)	43	50	112	161	44	-45
1964	-5(2)	4	** (31)	** (30)	** (31)	** (30)	** (31)	** (31)	** (30)	** (31)	** (30)	** (31)	10(XX)

MURMANSK

SOVIET UNION (ARCTIC COAST)

MURMANSK		SOVIET UNION (ARCTIC COAST)											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1952	4580	4420	4350	4470	4440	4500	4550	4580	4620	4470	4470	4500	4506
1953	4430	4430	4590	4390	4470	4400	4480	4450	4580	4580	4690	4710	4533
1954	4580	4400	4500	4450	4360	4540	4500	4540	4600	4660	4520	4590	4520
1955	4650	4380	4340	4360	4440	4560	4570	4520	4520	4630	4610	4500	4506
1956	4460	4250	4430	4320	4490	4470	4410	4490	4550	4580	4490	4540	4457
1957	4570	4480	4410	4360	4390	4520	4430	4440	4460	4640	4640	4690	4503
1958	4470	4440	4310	4290	4350	4430	4520	4410	4550	4550	4570	4470	4447
1959	4450	4690	4580	4340	4470	4500	4480	4520	4670	4640	4460	4360	4507
1960	4410	4400	4320	4340	4350	4450	4360	4380	4370	4440	4380	4420	4385
1961	4400	4470	4620	4390	4340	4520	4470	4450	4590	4550	4490	4630	4501
1962	4610	4480	4350	4340	4380	4510	4440	4500	4500	4640	4490	4590	4486
1963	4480	4410	4360	4280	4330	4430	4480	4520	4520	4650	4570	4610	4470
1964	4700	4420	4330	4280	4260	4490	4500	4440	4580	4540	4620	4580	4478

THESE DATA REPLACE ALL PREVIOUSLY PUBLISHED DATA.

RUSSKAYA GAVAN

RUSSKAYA GAVAN		RUSSKAYA GAVAN											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1953	970	1050	1120	980	1010	970	970	1030	1180	1160	1210	1410	1088
1954	1130	1090	1020	860	770	980	1020	1020	1040	1150	1150	1120	1029
1955	1190	880	840	930	900	980	1080	1120	1000	1120	1100	1040	1015
1956	820	880	1050	820	970	980	890	940	1070	1110	1090	1170	983
1957	1200	960	950	940	900	960	900	990	970	1100	1110	1190	984
1958	1100	910	810	850	790	900	980	1020	1070	1070	1110	1110	1014
1959	790	1160	1090	840	860	1040	1020	1020	1020	990	1060	900	959
1960	960	910	1060	880	850	970	890	920	980	1110	1170	1150	988
1961	960	1040	1060	870	810	930	900	1000	1230	1130	1100	1130	975
1962	1100	1010	770	770	740	910	910	970	1080	1180	1130	1120	1013
1963	990	910	850	890	870	910	1070	880	1060	1120	1130	1120	974
1964	1170	1060	970	790	920	970	** (31)	950	970	1120	1060	1120	995
												1000	998(XX)

THESE DATA REPLACE ALL PREVIOUSLY PUBLISHED DATA.

SOVIET UNION (ARCTIC COAST) (CONTINUED)

BARENTSBURG

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	78	04	N	15	14	E	MEAN
1948	..(31)	..(29)	..(31)	..(30)	..(31)	1090(XX)	1080	1160	1180	1230	1260	1280							
1949	1200	1180	1090	1060	970	1020	1120	1180	1220	1250	1260	1210	1160	1210	1190	1165	1149	1149	1165
1951	1250	1200	1100	1090	1100	1190	1220	1210	1240	1310	1240	1360	1290	1360	1360	1209	1209	1209	1209
1952	1220	1110	1060	1100	1100	1200	1260	1250	1220	1220	1260	1190	1190	1190	1190	1183	1183	1183	1183
1953	1250	1170	1150	1060	1120	1100	1160	1220	1240	1260	1260	1410	1204	1410	1204	1204	1204	1204	1204
1954	1190	1150	1160	1080	1020	1180	1220	1190	1180	1240	1160	1220	1177	1220	1177	1177	1177	1177	1177
1955	1190	1040	1040	1040	1080	1110	1220	1200	1180	1240	1160	1190	1141	1190	1141	1141	1141	1141	1141
1956	1110	1020	1120	970	1100	1100	1080	1100	1120	1220	1190	1220	1113	1220	1113	1113	1113	1113	1113
1957	1250	1060	1080	1040	1040	1080	1080	1140	1130	1310	1180	1230	1138	1230	1138	1138	1138	1138	1138
1958	1120	1090	950	970	1000	1050	1100	1100	1200	1210	1230	1170	1102	1170	1102	1102	1102	1102	1102
1959	1070	1310	1200	1020	1050	1160	1180	1160	1200	1220	1190	1240	1168	1240	1168	1168	1168	1168	1168
1960	1060	1080	1040	1060	1020	1070	1010	1190	1180	1220	1190	1220	1109	1220	1109	1109	1109	1109	1109
1961	1160	1210	1230	1080	1080	1200	1160	1190	1260	1270	1240	1210	1187	1210	1187	1187	1187	1187	1187
1962	1240	1060	940	1000	970	1110	1120	1140	1170	1220	1200	1190	1122	1190	1122	1122	1122	1122	1122
1963	1100	1070	1060	980	1030	1060	1110	1080	1150	1240(XX)	1200	1230	1109	1230	1109	1109	1109	1109	1109
1964	1310	1160	1180	1060	1140	1150	1170	1080	1190	1190	1250	1190	1172	1190	1172	1172	1172	1172	1172

NORWAY

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	70	20	N	31	06	E	MEAN
1962	26	-39	-226	-269	-238	-175	-237	-132	-137	52	-73	10							
1963	-116	-149	-226	-281	-275	-239	-130	-271	-168	..(31)	-44	45							
1964	98	-129	-211	-490	-178	-98	-89	-107	-17	-9	78	39							

HAMMERFEST

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	70	40	N	23	40	E	MEAN
1962	83	179	-82	-246	-269	-130	-230	-126	-81	114	-55	2							
1963	-134	-106	-228	-276	-273	-237	-224	-226	-107	33	-38	33							
1964	88	-58	-237	-290	-98	-110	-117	-180	-183	-28	40	18							

TROMSO

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	69	39	N	18	58	E	MEAN
* 1961	1391(8)	1424	1642	1356	1293(3)	..(30)	1393(10)	1386(11)	1292	1449	1603	1568							
1962	1653	1560	1334	1314	1302	1420	1343	1425	1442	1629	1532	1569							
1963	1467	1423	1395	1314	1365	1378	1435	1398	1533	1643	1571	1630							
1964	1685	1520	1386	1394	1480	1505	1556	1497	1606	1607	1725	1705							

* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

HARSTAD

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	68	48	N	16	33	E	MEAN
1962	1732	1568	1399	1367	1370	1465	1408	1504	1525	1696	1574	1620							
1963	1506	1497	1452	1390	1419	1419	1485	1459	1598	1713	1654	1702							
1964	1734	1578	1438	1453	1538	1547	1595	1548	1663	1653	1785	1757							

EVENSKJAER

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	68	35	N	16	33	E	MEAN
1962	135	-47	-193	-255	-209	-78	-207	-104	-82	139	35	56							
1963	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(31)	82	5	56							
1964	76	-98	-241	-224	-160	-195	-92	..(31)	..(31)	37(5)	165	118							

NORWAY (CONTINUED)

NARVIK

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	68 26 N	17 25 E
* 1930	..(31)	..(28)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(31)	..(31)	..(31)	3815 (XX)	3947 (XX)
* 1931	..(31)	..(28)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(31)	..(31)	..(31)	3815 (XX)	3947 (XX)
* 1932	3573 (XX)	3937 (XX)	3998	4037	4151	4075 (XX)	3789	3905	3718	3807 (XX)	3675 (XX)	3871 (XX)	3815 (XX)	3947 (XX)
* 1933	3713	3891	3966	4014	4136	4104	3952	3919	3838	3790	3744	3629	3848 (XX)	3942
* 1934	3621 (XX)	3801	4036	4137	4369	4051	4046	4046	3959	3701	3749	3749	3881 (XX)	3916
* 1935	3894 (XX)	3765 (XX)	4054	4124	4148 (XX)	4026 (XX)	3923 (XX)	3951	4010	3847	3892	3935	3935	3964
* 1936	3942 (XX)	4006	4073	4122	4165	3970 (XX)	3623	3887 (XX)	3848	3768	3522	3496	3868	3868
* 1937	3828	3934	4073	4148	4110	4005	4007	4013	3908	3829	3795	4002	4002	3979
* 1938	3741	3993	3840	4008	4065	3939	3992	4013	3903	3756	3630	3877	3877	3887
* 1939	3920	3775	4036	4008	4036	3826	4017	4044	3974	3959	3738	3846	3846	3923
1962	182	9	147	197	177	62	159	75	37	197	62	112	112	24
1963	36(15)	19(12)	98	175	122	130	56	108	88	204	107	155	155	16
1964	242	48	109	119	24	5	78	5	125	119	242	207	207	67

CORRIGENDUM FOR 1960 AUGUST -0.097
 * THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

KABELVAG

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	68 13 N	14 29 E
1962	1935	1751	1578	1515	1517	1645	1534	1646	1713	1950	1813	1868	1813	1705
1963	1794	1794	1663	1577	1593	1754	1693	1675	1853	2001	1892	1935	1892	1741
1964	1983	1915 (4)	1688	1687	1731	1754	1902	1778	1926	1929	2118	2074	2118	1873

CORRIGENDUM FOR 1953 MARCH 1.856, DECEMBER 2.041, ANNUAL MEAN 1.859
 CORRIGENDUM FOR 1954 FEBRUARY 1.772

BODO

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	67 17 N	14 23 E
1962	122	95	251	313	304	224	289	203	138	107	18	68	68	124
1963	97	96	124	240	200	225	189	161	68	82	10	11	11	110
1964	144	64	240	220	181	128	74	116	12	13	135	99	99	56

MOSJØEN

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	65 51 N	13 12 E
1962	127	79	201	294	206	69	166	105	58	212	40	55	55	60 (XX)
1963	163	180	201	265	170	198	126	179	31	111	..(30)	..(31)	..(31)	134 (XX)

BRONNØYSUND

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	65 29 N	12 13 E
1962	1091	888	747(5)	699	792(5)	865	802	876	934	1074	916	995	995	889
1963	930(9)	783	772	712	814	756	778	783	953(1)	1016	964	962	964	850
1964	936(1)	871(12)	728	763	888	893	923	871	954	895	1052	1027(1)	1027(1)	900

TRONDHEIM

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	63 26 N	10 26 E
1962	1091	888	747(5)	699	792(5)	865	802	876	934	1074	916	995	995	889
1963	930(9)	783	772	712	814	756	778	783	953(1)	1016	964	962	964	850
1964	936(1)	871(12)	728	763	888	893	923	871	954	895	1052	1027(1)	1027(1)	900

TRONDHEIM

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	63 26 N	10 26 E
1962	1091	888	747(5)	699	792(5)	865	802	876	934	1074	916	995	995	889
1963	930(9)	783	772	712	814	756	778	783	953(1)	1016	964	962	964	850
1964	936(1)	871(12)	728	763	888	893	923	871	954	895	1052	1027(1)	1027(1)	900

TRONDHEIM

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	63 26 N	10 26 E
1962	1091	888	747(5)	699	792(5)	865	802	876	934	1074	916	995	995	889
1963	930(9)	783	772	712	814	756	778	783	953(1)	1016	964	962	964	850
1964	936(1)	871(12)	728	763	888	893	923	871	954	895	1052	1027(1)	1027(1)	900

NORWAY (CONTINUED)

HEIMSJD														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	63 26 N	09 07 E
1962	183	-49	-173	-214	-113	-101	-172	23	59	203	4	95	MEAN	
1963	-150	-96	-152	-139	-191	-177	-103	60	208	102	186(7)	73	-21	
1964	68	-56(7)	-175	-144	-97	25	-63	58	-54	186(7)	156	156	-55	
CORRIGENDUM FOR 1943 NOVEMBER -2.827														
KRISTIANSUND, N														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	63 07 N	07 44 E
1962	1831(5)	1925	1831(2)	1797	1811	1874	1829	1983	2048	2152(4)	2019	2067	2067	1960
1963	1829	1890	1910	1841	1885	1820	1847	1930	2101	2178	2108	2087	2087	1953
1964	2039	1965	1899(9)	1917	2004	1992	2089	1979(2)	1993(2)	2075	2188	2153	2153	2028
ALESUND														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	62 28 N	06 09 E
1962	-54	-351	-450	-488	-458	-356	-430	-237	-127	-165(12)	-269	-216	-300	MEAN
1963	-465	-385	-365(3)	-420	-380	-422	-411(6)	-238(5)	-177	-103	-132	-166	-314	
1964	-197	-262	-405	-350	-275	-275	-206	-277	-194	-190	-114	-119	-239	
CORRIGENDUM FOR 1954 DECEMBER -0.066														
CORRIGENDUM FOR 1959 ANNUAL MEAN -0.323														
KJOLSDAL														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	61 55 N	05 38 E
1962	213	-44	-137	-187	-253	-108	-221	11	16	68	-32	-23	-59	MEAN
1963	-278	-172	-131	-230	-113	-196	-171	-58	70	..(31)	..(30)	212	-107(XX)	
MALDY														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	61 56 N	05 07 E
1962	-166	-420	-509	-603	-523	-487	-515	-318	-292	-276	-352	-327	-397	MEAN
1963	-563	-460	-432	-491	-458	-520	-479	-363	-212	-196	-192	-285	-386	
1964	-330	-388	-512	-456	-374	-374	-315	-372	-308	-299	-224	-229	-348	
BERGEN														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	60 24 N	05 18 E
1962	184	-28	-98	-131	-65	-41	-33	115	104	104	67	58	20	MEAN
1963	-133	-81	-62	-101	-66	-57	-74	2	65	148	194	54	-9	
1964	3	-11	-142	-93	38	32	24	103	108	63	129	113	31	
CORRIGENDUM FOR 1958 FEBRUARY +0.035														
STAVANGER														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	58 58 N	05 44 E
1962	128	-107	-136	-157	-94	-128	-59	47	-123	12	-9	-26	-54	MEAN
1963	-196	-179	-151	-173	-125	-121	-120	-9	7	76	150	35	-67	
1964	-188	-100	-181	128	199	204	-19	-48	3	8	65	60	19	
CORRIGENDUM FOR 1956 FEBRUARY -0.035														
TREGDE														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	58 00 N	07 34 E
1962	214	17	-23	-18	6	-41	72	110	113	77	71	70	56	MEAN
1963	-91	-58	-55	-78	-81	-22	-30	67	45	146	229	83	13	
1964	6	-39(5)	-98	-59	-30	11	-4	41	60	24	88	66(3)	6	

SWEDEN (CONTINUED)

KUNGSÖHOLMSFÖRT												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	56 06 N
1962	2410	2469	2136	2124	2156	2028	2368(6)	2213	2499	2257	2195	15 35 E
1963	2145(1)	2156(20)	2038	1949(3)	2053	2083	2218(13)	2224(11)	2153	2424	2338	MEAN
1964	2259	2378	1951	1937	2163	2157	2292	2285	2332	2271	2296	2290
												2266
												2266
												2159
												2245
OLANDS N. UDDE												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	57 22 N
1962	2439	2479	2051	2053	2089	2185	2323	2344	2504	2261	2163	17 06 E
1963	2111	2019	1966	1911(4)	2045	2079	2239	2238	2193	2463	2369	MEAN
1964	2298	2383	1917	1934	2189	2188	2332	2312	2375	2279	2326	2245
												2245
												2245
												2153
												1948
LANDSÖRT												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	58 45 N
1962	2191	2201	1807	1823	1862	1966	2059	2083	2225	1985	1885	17 52 E
1963	1788	1762	1707	1631	1731	1778	1931	1949	1900	2172	2073	MEAN
1964	1996	2059	1585	1635	1899	1894	2038	2021	2080	1983	2030	2013
												1869
												2153
												1948
NEDRE SÖDERTÄLJE												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	59 12 N
1962	2200	2190	1810	1810	1860	1960	2100	2080	2210	1990	1870	17 37 E
1963	1780	1770	1710	1620	1740	1760	1940	1930	1900	2170	2080	MEAN
1964	2000	2050	1590	1640	1890	1890	2030	2010	2100	2000	2040	2030
												1960
												1863
												1949
STOCKHOLM												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	59 19 N
1962	2227	2220	1824	1852	1887	1988	2110	2106	2248	1993	1904(1)	18 05 E
1963	1811	1777	1730	1647	1758	1796	1964	1960	1911(2)	2193	2097	MEAN
1964	2007	2074	1593	1650	1916	1907	2056	2032	2096	2000	2047	2034
												2046
												1886
												1962
B.JÖRN												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	60 38 N
1962	2095	2087	1659	1681	1723	1836	1950	1973	2090	1856	1740	17 58 E
1963	1624	1598	1539	1461	1590	1626	1814	1799	1760	2042	1926	MEAN
1964	1849	1908	1404	1489	1763	1770	1918	1887	1961	1866	1895	1812
												2036
												1882
												1718
NEDRE GÄVLE												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	60 40 N
1962	2060	2020	1630	1650	1690	1810	1920	1920	2050	1810	1730	17 10 E
1963	1610	1590	1560	1470	1580	1620	1790	1780	1760	2040	1920	MEAN
1964	1830	1900	1400	1460	1730	1740	1890	1860	1930	1840	1870	2030
												1840
												1791
												1880
DRAGHALLAN (SUNDSVÄLL)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	62 20 N
1962	1918	1861	1486	1500	1544	1657	1754	1798	1896	1677	1561	17 28 E
1963	1410	1426	1388	1314	1447	1471	1650	1639	1619	1884	1761	MEAN
1964	1678	1716	1240	1327(1)	1614	1618	1775	1703	1781	1697	1716	1697
												1889
												1646

SWEDEN (CONTINUED)

RATAN		SWEDEN (CONTINUED)												64 00 N			
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
* 1960	1402	1405	1210	1345	1488	1615	1679	1694	1647	1350	1462	1738	1462	1738	1462	1738	1503
* 1961	1513	1722	1843	1756	1574	1738	1866	1861	1785	1659	1757	1739	1757	1739	1607	1707(1)	1680
1962	1898	1846	1440(17)	1486	1512	1655	1697	1750	1858	1699	1750	1858	1699	1607	1707(1)	1680	1680
1963	1418(21)	1442(21)	1372(8)	1283	1413	1391	1632	1576	1629	1883	1730	1676	1730	1676	1676	1537	1624
1964	1694	1671	1227	1273(3)	1580	1586	1759	1669	1744	1662	1708	1919(2)	1708	1919(2)	1624		

* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

FURUOGRUND

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
1962	1927(4)	1876(1)	1457	1469	1480	1666	1695	1743	1851	1717	1606	1712	1606	1712	1606	1712	1683
1963	1398	1410	1351	1280	1415	1389	1641	1584	1649	1889	1718	1698	1718	1698	1534		
1964	1724	1692	1232	1292	1586	1598	1785	1679	1740	1680	1724	1956	1724	1956	1641		

DATA FOR DAYS WITH MISSING OBSERVATIONS HAVE BEEN INTERPOLATED WITH OBSERVATIONS TAKEN FROM NEIGHBOURING STATIONS.

KEMI (BALTIC COAST)

KEMI		FINLAND (BALTIC COAST)												65 44 N			
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
1962	2005	1971(1)	1545(1)	1529(3)	1582(2)	1749	1756	1800	1957(1)	1902(2)	1804	1830	1804	1830	1804	1830	1786
1963	1485(13)	1517(7)	1442(15)	1361(9)	1516(2)	1463(11)	1757	1667	1793(4)	2011	1801(2)	1827(3)	1801(2)	1827(3)	1637		
1964	1866(3)	1783(2)	1367(15)	1376(10)	1679	1720	1926	1774	1860	1827	1848(2)	2078	1848(2)	2078	1637		

OULU/ULEABORG

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
1962	2035	2010	1599	1636	1660	1801	1773	1822	1957	1913	1778	1848	1778	1848	1819		
1963	1519	1544(24)	1486	1406	1559(2)	1527(22)	1768	1664(6)	1781(5)	2009(4)	1833(5)	1855(4)	1833(5)	1855(4)	1662		
1964	1895	1809	1345(24)	1390(10)	1715	1735(4)	1905(5)	1766	1880	1821	1853	2081(9)	1853	2081(9)	1766		

CORRIGENDUM FOR 1913 ANNUAL MEAN 213.6

RAAHE/BRAHESTAD		64 42 N												24 30 E			
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
1962	1997(2)	2012(20)	1525(2)	1521(1)	1595(4)	1776(1)	1796	1843	1954	1850(6)	1736(7)	1825(17)	1736(7)	1825(17)	1786		
1963	1473(6)	1486	1418	1343	1493	1470	1717(10)	1636(22)	1727(15)	1942(9)	1802	1808	1802	1808	1610		
1964	1849(1)	1763(2)	1297	1361(3)	1653(3)	1668	1854(7)	1738(16)	1840(12)	1768(6)	1812	2030(6)	1812	2030(6)	1719		

PIETARSAARI/JAKOBSTAD

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
1962	1936	1891	1480	1488	1514	1676	1713	1771	1884	1768	1632	1748	1632	1748	1708		
1963	1426	1438	1385	1310	1454(2)	1428	1673	1605	1680(2)	1919	1767	1745	1767	1745	1569		
1964	1772	1724	1263	1330	1620	1630	1809	1712	1799	1714	1768	1934	1768	1934	1675		

VAASA/VASA

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
1962	1980(12)	1917(9)	1519(12)	1535	1570(8)	1723(6)	1775	1831	1932	1787	1644(2)	1782(8)	1644(2)	1782(8)	1750		
1963	1462	1469(1)	1417(11)	1343(2)	1477(4)	1480(4)	1706(4)	1662	1706(2)	1952(2)	1806(2)	1759	1806(2)	1759	1603		
1964	1772(6)	1752	1281	1363(1)	1641(1)	1651(1)	1825(2)	1750(1)	1832	1733	1792	1964(5)	1792	1964(5)	1696		

RONNSAR

CORRIGENDUM FOR 1935 ANNUAL MEAN 196.2		63 04 N												20 48 E			
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	MEAN
1962	1980(12)	1917(9)	1519(12)	1535	1570(8)	1723(6)	1775	1831	1932	1787	1644(2)	1782(8)	1644(2)	1782(8)	1750		
1963	1462	1469(1)	1417(11)	1343(2)	1477(4)	1480(4)	1706(4)	1662	1706(2)	1952(2)	1806(2)	1759	1806(2)	1759	1603		
1964	1772(6)	1752	1281	1363(1)	1641(1)	1651(1)	1825(2)	1750(1)	1832	1733	1792	1964(5)	1792	1964(5)	1696		

FINLAND (BALTIC COAST) (CONTINUED)

KASKINEN/KASKO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	23 N	21	13 E
1962	2015	1952	1545	1560	1598	1734	1802(3)	1863	1955(2)	1782	1655	1806(1)	1772	1772	MEAN
1963	1495(11)	1494(5)	1445	1362	1496	1506	1720(1)	1693(1)	1723(2)	1974	1836	1774	1992	1626	
1964	1794	1784	1303	1390	1660(1)	1670(3)	1842(1)	1785	1856	1761	1808	1992	1992	1720	
MANTYLUOTO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	36 N	21	29 E
1962	2031	1983	1576	1591	1633	1762	1837(1)	1894	1992	1814	1671	1834	1802	1802	MEAN
1963	1548	1531	1486	1404	1520	1549	1751	1722	1746	2005	1864	1811	1661	1661	
1964	1832	1814	1338	1419	1687	1692	1864	1816	1894	1784	1836	1991	1747	1747	
RAUMA/RAUMO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	08 N	21	29 E
1962	2044	2000	1595(2)	1613	1660	1786	1872	1922	2023	1838	1692	1857	1825	1825	MEAN
1963	1573(5)	1542(28)	1499(8)	1418	1544(31)	1577	1779	1751	1764	2028	1888(3)	1835	1683	1683	
1964	1846	1833	1362	1438	1693	1705	1880	1840	1905	1790	1855	1998	1762	1762	
LYOKKI															
CORRIGENDUM FOR 1912 SEPTEMBER 222.7															
TURKU/ABO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	25 N	22	06 E
1962	2112(2)	2083	1661(1)	1676	1730(1)	1850	1949	1990	2098	1900(4)	1738	1908(1)	1891	1891	MEAN
1963	1658(1)	1611(2)	1564(4)	1469(1)	1601	1653	1847(9)	1821(8)	1813(2)	2098	1958(6)	1910	1750	1750	
1964	1927	1913	1428	1507	1779(1)	1781	1947	1932(10)	1994	1872(8)	1962(12)	2076	1843	1843	
DEGERBY															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	02 N	20	23 E
1962	2093	2078(1)	1656	1682	1716	1854(4)	1942(4)	1967(1)	2088	1868(4)	1740	1894(6)	1882	1882	MEAN
1963	1647(23)	1604(8)	1561(4)	1480	1596	1642	1828(4)	1811	1798	2073	1945	1878	1738	1738	
1964	1896	1913	1424	1501	1766	1764	1928(1)	1894(1)	1966	1856(1)	1931	2048	1824	1824	
JUNGFUSUND															
CORRIGENDUM FOR 1931 JULY 210.2															
RUSSARO															
CORRIGENDUM FOR 1916 MARCH 166.8															
CORRIGENDUM FOR 1927 ANNUAL MEAN 203.4															
HANKO/HANGO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	49 N	22	58 E
1962	2176	2146	1718	1742	1789	1898	2010	2036	2167	1956	1796	1973	1951	1951	MEAN
1963	1737	1671(6)	1631(7)	1533	1656	1710	1887	1866	1852(7)	2151(1)	2000	1960(5)	1804	1804	
1964	1995	1972	1488	1568	1832	1821	1982	1976	2048(1)	1919	2013	2114(3)	1894	1894	
SKURU															
CORRIGENDUM FOR 1936 FEBRUARY 181.1															

FINLAND (BALTIC COAST) (CONTINUED)

HELSINKI/HELSINGFORS		60 09 N		24 58 E	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	2222	1808	2010	1980	1980
1963	1760	1676	2028	2002	1829
1964	2058(4)	1992	2049	2160	1930
CORRIGENDUM FOR 1944					
JUNE 1944.2					
HAMINA/FREDRIKSHAMN		60 34 N		27 11 E	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	2175	1758	1836(14)	2044(13)	2004
1963	1798	1665	2074	2059	1860
1964	2149	1553	2097(4)	2184	1964
KALININGRAD		54 57 N		20 13 E	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1926	4810	4780	4850	4980	4878
1927	4880	4730	4990	4680	4904
1928	4720	4670	4710	4950	4870
1929	4790	4810	4800	5000	4862
1930	4880	4730	4670	4910	4836
1931	4900	4730	4710	4850	4836
1932	5090	4800	4780	4830	5000
1933	4730	4890	4790	4880	4910
1934	4760	4660	4730	4780	4720
1935	4740	4520	4790	4980	4833
1936	4920	4830	4810	5050	4883
1937	4810	4690	4690	4840	4912
1938	4850	4650	4790	4980	4870
1939	4690	4620	4690	4880	4807
1940	4850	5050	5120	4880	4958
1941	4700	4770	4770	4640	4880
1950	4930	4900	4760	4800	4839
1951	4840	4850	4710	4840	4910
1952	5190	4810	4790	4910	4948
1953	4910	4930	4840	4950	4821
1954	5030	4480	4720	4920	4821
1955	5040	4930	5010	4980	4977
1956	5220	4840	4940	5190	4959
1957	4960	5040	4820	5120	4894
1958	5080	5040	4860	5150	5017
1959	5130	4950	4950	5070	4990
1960	4850	4840	4940	5090	4980
1961	4900	4640	4800	5170	4942
1962	5150	5020	4930	4730	4914(XX)
1963	4810	4750	4800	5020	4837
1964	5020	4670	4720	5110	5051
				5000	5051
				4950	4853
				5070	4942
SOVIET UNION (BALTIC COAST)		60 34 N		27 11 E	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1926	4810	4780	4850	4980	4878
1927	4880	4730	4990	4680	4904
1928	4720	4670	4710	4950	4870
1929	4790	4810	4800	5000	4862
1930	4880	4730	4670	4910	4836
1931	4900	4730	4710	4850	4836
1932	5090	4800	4780	4830	5000
1933	4730	4890	4790	4880	4910
1934	4760	4660	4730	4780	4720
1935	4740	4520	4790	4980	4833
1936	4920	4830	4810	5050	4883
1937	4810	4690	4690	4840	4912
1938	4850	4650	4790	4980	4870
1939	4690	4620	4690	4880	4807
1940	4850	5050	5120	4880	4958
1941	4700	4770	4770	4640	4880
1950	4930	4900	4760	4800	4839
1951	4840	4850	4710	4840	4910
1952	5190	4810	4790	4910	4948
1953	4910	4930	4840	4950	4821
1954	5030	4480	4720	4920	4821
1955	5040	4930	5010	4980	4977
1956	5220	4840	4940	5190	4959
1957	4960	5040	4820	5120	4894
1958	5080	5040	4860	5150	5017
1959	5130	4950	4950	5070	4990
1960	4850	4840	4940	5090	4980
1961	4900	4640	4800	5170	4942
1962	5150	5020	4930	4730	4914(XX)
1963	4810	4750	4800	5020	4837
1964	5020	4670	4720	5110	5051
				5000	5051
				4950	4853
				5070	4942

THESE DATA REPLACE ALL PREVIOUSLY PUBLISHED DATA.

POLAND														
GDANSK / NDWY PORT			54 24 N			18 50 E			54 27 N					
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	5190	5270	4890	4910	4950	5050	5180	5130	5280	5040	4920	5060	5073	
1963	4890	4880	4810	4750	4850	4900	5060	5010	4980	5210	5090	5040	4956	
1964	5080	5170	4710	4730	4970	4960	5120	5110	5150	5040	5150	5160	5029	
SOPOT			54 27 N			18 35 E			54 27 N					
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1955	5002	5009	4845	4979	5011	4956	5046	4938	4994	5108	5145	5216	5021	
1956	5255	4910	4790	4890	4957	4993	5088	5176	4985	5225	5043	5156	5039	
1957	5011	5085	4866	4871	4903	4961	5039	5057	5200	5186	5112	5080	5031	
1958	5061	5133	4964	4771	5007	4948	5041	5122	4988	5049	4988	5063	5009	
1959	5169	4984	4907	4942	4818	5023	5041	5017	5133	5010	4871	4670	4965	
1960	4982	4773	4652	4726	4897	5054	5069	5155	5177	4893	4907	5124	4950	
1961	4885	5008	5249	5210	5083	5151	5271	5302	5177	4893	5094	5156	5124	
1962	5197	5254	4945	4944	4980	5060	5161	5142	5246	5055	4880	5114	5082	
1963	5006	4979	4921	4714	4922	4966	5079	5055	5027	5201	5048	5027	4995	
1964	5078	5208	4717	4772	4965	4985	5134	5134	5169	5054	5157	5201	5048	
WLADYSLAWOWO														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	5170	5220	4880	4850	4870	5010	5120	5120	5240	5000	4880	5040	5033	
1963	4880	4820	4740	4650	4770	4820	4990	4970	4930	5190	5060	5010	4904	
1964	5070	5130	4680	4700	4920	4910	5070	5050	5130	4980	5110	5110	4988	
UTSKA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	5170	5250	4880	4880	4910	5020	5140	5090	5250	5000	4900	5030	5043	
1963	4900	4830	4760	4680	4780	4820	4980	4980	4920	5160	5090	4990	4907	
1964	4990	5080	4670	4690	4920	4920	5060	5060	5100	4970	5050	5070	4965	
SWINEMUNDE														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	5080	5220	4900	4900	4900	5010	5110	5010	5200	4970	4910	4970	5015	
1963	4930	4860	4760	4720	4900	4820	4960	4910	4900	5070	5000	4980	4893	
1964	4970	5130	4750	4720	4900	4900	5010	5040	5050	4970	5010	5020	4956	
KOLBRZEG														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	5120	5230	4880	4890	4930	5020	5120	5070	5230	5000	4900	5020	5034	
1963	4900	4860	4770	4690	4790	4810	4970	4970	4910	5140	5040	4970	4902	
1964	5000	5120	4710	4690	4900	4910	5040	5040	5100	4990	5070	5060	4969	
GEDSER														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	111	244	34	24	32	58	204	77	298	77	96	94	111	
1963	83	67(1)	-31	-117	-41	-44	82	78	8(1)	186	133	71	40	
1964	62	246	-14	-152	31	33	111	126	128	133	42	161	75	
CORRIGENDUM FOR 1936														
			FEBRUARY			+149								
DENMARK														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	111	244	34	24	32	58	204	77	298	77	96	94	111	
1963	83	67(1)	-31	-117	-41	-44	82	78	8(1)	186	133	71	40	
1964	62	246	-14	-152	31	33	111	126	128	133	42	161	75	

DENMARK (CONTINUED)

RODBYHAVN													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	54 39 N MEAN
1962	61(2)	34	0	2	20	176	50	259	78	103	73(9)	••	21 E
1963	••(28)	••(28)	••(31)	-57	••(30)	61	48	18	131	104	62	••	MEAN
1964	35	224	8	22	16	68	94	90	119	7	149(2)	••	58
KOBENHAVN													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 41 N MEAN
1962	128(1)	141	-82	-78	-32	55	111	159	180	89	-29	26	36 E
1963	-71(3)	-51	-164	-206	-138	-73	22	28	50	160	146	74	56
1964	39	88	-191	-172	-24	8	80	98	124	28	139(1)	84	-18
CORRIGENDUM FOR 1898 APRIL -0.0889													
HORNBÆK													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	56 06 N MEAN
1962	135(1)	82(2)	-130(4)	-115(1)	-42(1)	59	78	194	135	106	-79(1)	36(8)	28 E
1963	-91(2)	-133	-252	-219(1)	-159	-11(8)	24	22	74	163	126	73	38
1964	21	18	-231	-146	-12	27	85	83	130	-14	187	40	-31
KORSØR													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 20 N MEAN
1962	140	152	10	-26	1	38	151	128	196	119	71	70	11 08 E
1963	39(6)	9(1)	-88(1)	-104	-50	-43	55	80(2)	76	160	167	109	87
1964	55	158	-39	-94	24	35	81	114	130	83	123	106	34
CORRIGENDUM FOR 1947 ANNUAL MEAN +0.025													
SLIPSHAVN													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 17 N MEAN
1962	106	98(1)	-33	-50	-37	24(2)	89(1)	103	142	93	38	36	50
1963	••(31)	88(9)	••(31)	-137	-120	-50(2)	19(1)	37(5)	44	114	134	94	22(XX)
1964	21	118	-78(1)	-100	-18	24	56	100	106	35	148	55	38
MOMMARK													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	54 56 N MEAN
1962	112	169	46	39	6	39(2)	154	83	256	132	160	121	104 E
1963	••(31)	••(28)	••(31)	-45(2)	-23	9	85	77	70	146	138	108	MEAN
1964	64	212	94(2)	-66	70	73	100	123	69(6)	128(1)	59(2)	140(3)	••
FREDERICIA													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 34 N MEAN
1962	104(3)	107(1)	-22	-27	-39	0	83(2)	92	146(1)	103(2)	90(1)	59	46 E
1963	32(7)	23(2)	-79	-102	-97	-40(3)	25(3)	34(2)	59	121	147	108	58
1964	33	116	-15	-78	-2	21	35	79	95	50	120	50	19
ARHUS													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	56 09 N MEAN
1962	109	30	-83	-109(1)	-77	-17(1)	33	106	87(1)	76	4	14	13 E
1963	-17(3)	••(28)	••(31)	-159(1)	-154	-68	-18	8	33	98	142	64	15
1964	-10	22	-111	-102	-61	-1	12	39	75	-13	126	21	••
CORRIGENDUM FOR 1904 FEBRUARY -0.031													

DENMARK (CONTINUED)

FREDERIKSHAVN		57 26 N		10 34 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	130	-31	-154	-148	-100(2)	-11	-4	128(1)	42	60	-75	-3	-13
1963	158	-167	-199	-210	-170	-80	-23	-5	30	90	142	43	-58
1964	-25	-80	-238(1)	-127	-65	-21(10)	29(2)	4	58(1)	-37	131(1)	24	-29
HIRTSHALS		57 36 N		09 57 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	130	-105	-240	-240	-134	-36	-53	86	1	34	-183	-48	-65
1963	316	-304	-287	-281	-191	-111	-72	-30	28(5)	87	93	-29	-117
1964	-69	-155	-448	-212	-92	-74	-20	-29	29	-89	94	2	-89
ESBJERG		55 28 N		08 27 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	459	169	-31	3	111	94	97	327	192	208	0	123	147
1963	308	-223	-97	-100	-15(1)	47(1)	56	209(1)	198	278	519(1)	116	58
1964	87	10	-418	-36(1)	68	105	147	113	244	90	297	275	81

GERMANY (NDRTH SEA)

CUXHAVEN CORRIGENDUM FOR 1947 AUGUST -9.2

DELFIJIL		53 20 N		06 56 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	238	105	-95	-54	5	2	16	109	31	40	-103	-11	24
1963	347	-257	-163	-133	-78	10	-9	93	119	157	315	26	-22
1964	-30	24	-378	-114	-27	14	59	50	117	-34	162	95	-5
CORRIGENDUM FOR 1942 JULY +2.8		53 22 N		05 13 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	91	-81	-211	-163	-95	-132	-89	32	-17	-20	-113	-61	-72
1963	402	-272	-213	-218	-190	-127	-150	-29	-26	13	228	-80	-122
1964	-147	-124	-416	-211	-131	-87	-96	-75	1	-50	53	25	-105

TERSCHELLING		53 10 N		05 25 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	218	77	-106	-57	16	-22	-21	108	30	14	-89	-34	11
1963	314	-230	-163	-168	-124	-82	-94	42	41	78	292	-73	-66
1964	-115	-71	-395	-148	-67	-24	-26	-23	56	31	89	62	-53
CORRIGENDA FOR 1942 APRIL -24.6, JULY +4.2		52 58 N		04 45 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	97	-66	-176	-164	-97	-137	-88	21	-25	-23	-103	-71	-69
1963	381	-258	-215	-220	-202	-128	-141	-6	-12	34	238	-76	-114
1964	-130	-108	-359	-165	-92	-42	-47	-39	31	-9	65	36	-72

DEN HELDER		52 28 N		04 35 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	111	-84	-115	-108	-46	-89	-33	59	15	11	-62	-37	-26
1963	337	-192	-141	-148	-134	-49	-86	34	22	50	248	-44	-65
1964	-99	-71	-319	-139	-65	-18	-31	-11	43	6	60	14	-52

NETHERLANDS (CONTINUED)

HOEK VAN HOLLAND													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	51 59 N DEC.	04 07 E MEAN
1962	84	-10	-85	-75	-39	-35	-35	25	-4	-11	-66	-17	-27
1963	-324	-221	-155	-156	-156	-66	-114	-8	-23	-7	197	-70	-92
1964	-145	-94	-314	-162	-105	-68	-94	-70	-18	13	80	31	-79
HELLEVOETSLUIS													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	51 49 N DEC.	04 08 E MEAN
1962	121	50	-60	-12	22	-30	27	79	52	42	-23	42	26
1963	-271	-177	-97	-100	-101	-10	-64	59	65	62	264	-14	-32
1964	-79	-16	-235	-76	-20	22	-10	18	60	42	94	38	-14
CORRIJGENDUM FOR 1948 JANUARY +19.8													
BROUWERSHAVEN													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	51 44 N DEC.	03 54 E MEAN
1962	10	-50	-90	-114	-85	-133	-73	-24	-52	-51	-84	-44	-66
1963	-320	-227	-192	-195	-195	-104	-170	-44	-43	-42	141	-103	-125
1964	-167	-110	-313	-185	-125	-75	-105	-65	-32	-37	-22	-76	-109
ZIERIKZEE													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	51 38 N DEC.	03 55 E MEAN
1962	50	-50	-98	-92	-45	-107	45	18	-14	-20	-60	-27	-33
1963	-304	-192	-154	-162	-155	-73	-135	-14	-33	-18	181	-67	-94
1964	-148	-85	-288	-148	-76	-39	-49	-38	-5	-10	18	-40	-76
VLISSINGEN													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	51 27 N DEC.	03 36 E MEAN
1962	22	-74	-98	-97	-46	-102	-39	25	1	10	-39	-43	-40
1963	-307	-210	-173	-180	-176	-94	-156	-32	-51	-34	163	-101	-113
1964	-141	-89	-274	-148	-110	-46	-87	-72	-13	-22	14	-25	-84
LERMICK													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	60 09 N DEC.	01 08 W MEAN
1962	1201	942	920	872	927	972	966	1070	1061	1116	1024	1058	1011
1963	863	954	988	930	945	1024	988	1000(5)	1018	1119	1173	1076	1001
1964	1018	1000	917	942	1015	1024	1042	1000	1067	1021	1103	1055	1018
INVERGORDON													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	57 41 N DEC.	04 10 W MEAN
* 1960	2323	2362	2274	2259	2265	2283	2365	2353	2316	2360	2509	2390	2339
* 1961	2326	2396	2307	2316	2280	2329	2289	2347	2448	2466	2402	2402	2357
1962	2466	2097(15)	2201(4)	2158	2201(11)	2240	2274	2368	2323	2405	2362	2359	2285
1963	2192	2283	2332	2243	2240	2274	2289	2326	2341	2448	2542	2414	2327
1964	2347	2335	2256	2277	2329	2332	2316	2307	2414	2350	2411	2384	2338

* THESE DATA REPLACE VALUES PUBLISHED IN PUB. SCI. NO. 24

MEAN SEA LEVEL DATA (1962-1964)

ABERDEEN YEAR	BRITISH ISLES (CONTINUED)												MEAN
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.		57 09 N	02 05 W
1914	256	411	228	149	134	116	177	186	235	174	335	475	240
1915	417	213	140	149	146	174	201	177	164	164	259	305	240
1916	417	213	140	149	146	174	201	177	164	164	259	305	240
1917	128	116	149	64	70	137	137	216	253	286	277	283	223
1918	225	219	61	42	49	134	186	186	317	253	279	283	163
1919	210	183	125	128	82	174	137	225	253	164	228	228	188
1920	344	292	231	189	167	143	204	158	216	207	314	286	320
1921	420	128	268	67	131	110	164	189	198	271	235	372	229
1922	259	268	167	110	177	177	228	201	198	198	274	372	213
1923	259	268	167	110	177	177	228	201	198	198	274	372	213
1924	277	292	67	128	152	140	201	244	268	414	311	238	227
1925	356	311	161	128	177	146	235	259	323	314	271	244	244
1926	317	308	189	183	192	140	199	231	244	299	262	381	235
1927	302	180	228	183	170	195	177	247	247	280	387	204	242
1928	363	265	170	192	100	216	186	259	283	295	335	238	234
1929	116	134	140	106	79	238	247	265	250	338	393	271	256
1930	256	165	134	168	189	186	210	241	277	347	381	454	231
1931	256	165	134	168	189	186	210	241	277	347	381	454	231
1932	405	88	201	213	174	152	296	192	159	323	381	314	232
1933	280	216	244	155	140	132	244	198	287	372	299	366	251
1934	323	293	183	162	180	113	168	268	195	302	262	210	220
1935	186	344	131	186	43	201	192	207	329	375	399	299	250
1936	372	277	152	421	55	162	256	186	186	518	280	273	273
1937	366	375	149	168	140	174	216	180	308	232	308	271	237
1938	369	107(7)	293	82	168	235	192	155	223	384	460	314(2)	252
1939	287(5)	305	143	207	85	149	241	177	207	213	396	241	219
1940	186	253	244	137	146	149	213	226	259	265	393	213	223
1941	134	210	94	58	183	122	204	274	168	287	393	213	223
1942	219(7)	91(5)	155	177(4)	198(10)	149	213	259(10)	357(9)	433	305(10)	479	256
1943	351	326(4)	213	290	180	186	204	299	290	384	247	198	263
1944	357(6)	311	174	159	119	226	216	213(3)	235	277(3)	357	287	223
1945	195	9(16)	174	210	229(3)	250	210	219(3)	253	308	335	599	258
1946	378	308	256(12)	213	110	299	256	283	329	241	338	274	273
1947	232(6)	256(14)	274(5)	308	122	253	256	193	329	293(5)	415	198	259
1948	299	213(3)	235(22)	143(7)	155	282	256	296(8)	393(17)	384(13)	326	454	282
1949	363(5)	40(4)	128	314	177	165	177	311(15)	500(5)	472	472	271	271
1950	378(7)	521(9)	408(15)	320	189	317	277	268	399	360	390	280	332
1951	210	235	204(3)	216(7)	91	143	171	226	253(15)	226(3)	405	351	228
1952	323	201(2)	152	195	180	235	177	253	335	357(2)	438	302(2)	245
1953	226(1)	195(4)	125	180(2)	174	174	256	274	314	317	396	363(2)	250
1954	198	168	253	125	159	265	317	320	381	375	372	408	279
1955	314	223	134	149	183	185	174	180	366(3)	354(5)	375	482	256
1956	335	110	183	149	186	168	186	283	302	351	293	393	246
1957	381	360	293	94	146	171	235	244	299	366	283	396	272
1958	305	299	73	125	177	162	223	290	296	244	244	430	247
1959	302	198	268	265	107	213	229	219	241	338	354	405	262
1960	299	296	165	215	183	229	287	287	259	390	472	341	285
1961	287	354	326	280	232	271	241	280	341	384	357	360	308
1962	355	141	176	125	129	206	238	344	344	352	277	278	248
1963	116	168	218	154	148	186	190	221	271	345	277	337	235
1964	258	250	163	166	221	235	241	235	308	262	319	276	244

BRITISH ISLES (CONTINUED)

ROSYTH	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	56 01 N	03 27 W
YEAR													MEAN	
1964	2829	2862	2850	2853	2844	2810	2761	2792	2853	2829	2847	2813	2829	
LEITH	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 59 N	03 10 W
YEAR													MEAN	
1962	6904	6733(2)	6760	6724	6858	6767	6849	6831(3)	6901	6913	6873	6858	6833	
1963	6751	6788	6791	6760	6754	6806	6770	6852	6870	6928	7065	6904	6841	
1964	6809	6806	6751	6751	6800	6824	6809	6812	6882	6800(6)	6940(8)	6852	6817	
BLYTH	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 07 N	01 29 W
YEAR													MEAN	
1955	2292	2240	2196	2210	2271	2260	2232	2196	2379	2343	2337	2415	2281	
1956	2287	2068	2160	2206	2196	2231	2291	2328	2349	2379	2312	2255	2253	
1957	2316	2355	2262	2173	2254	2218	2251	2299	2383	2420	2327	2422	2304	
1958	2330	2360	2214	2213	2233	2239	2306	2331	2351	2372	2293	2392	2298	
1959	2334	2216	2272	2307	2148	2274	2288	2295	2298	2385	2323	2298	2287	
1960	2261	2077	2192	2134	2230	2272	2309	2348	2347	2413	2468	2370	2285	
1961	2261	2284	2278	2262	2327	2331	2317	2347	2377	2394	2369	2366	2327	
1962	2355	2214	2227	2152	2246	2234	2279	2322	2425	2377	2303	2252	2283	
1963	2216	2223	2248	2228	2207	2281	2260	2336	2336	2342	2479	2386	2304	
1964	2284	2233	2228	2213	2232	2390	2359	2306	2355	2299	2353	2322	2301	

NORTH SHIELDS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 01 N	01 24 W
													MEAN	
1895	2454(15)	2262(4)	2249	2207	2112(8)	2176	2262	2231	2338(4)	2304	2268	2329(3)	2236(XX)	
1896	2252	2124	2252	2167	2124(8)	2129	2228(2)	2231	2301	2234	2237	2249	2315	
1897	2274	2246	2262	2207	2329	2484	2478(6)	2502	2219	2323	2283	2377	2265	
1898	2323	2307	2411(3)	2128	2198	2195	2207	2219	2216	2323	2283	2377	2265	
1899	2350	2304	2213	2243	2164	2225	2155	2227	2271	2338	2274	2210	2264	
1900	2252	2277	2173	2155	2213	2231	2256	2274	2271	2344	2307(8)	2414	2261	
1901	2313	2198	2210	2237	2137	2231	2222	2271	2338	2262	2362	2277	2255	
1902	2372	2231	2242	2219	2228	2213	2271	2295	2274	2335	2313	2368	2282	
1903	2356	2408	2341	2313	2246(6)	2240	2352	2384	2326	2435	2402	2335	2344	
1904	2313	2320	2228	2277	2240	2265	2280	2384	2326	2435	2402	2335	2344	
1905	2295	2195	2228	2079	2115	2216	2210	2246	2274	2204	2262	2301	2221	
1906	2295	2225	2100	2204	2161	2143	2170	2225	2213(6)	2341(15)	2359	2304	2221	
1907	2195	2268	2106	2137	2207	2268	2213	2277	2234	2338	2262	2341	2238	
1908	2353	2268	2106	2137	2207	2192	2225	2301	2256	2243	2362	2259	2242	
1909	2262	2207	2234	2204	2143(11)	2155(10)	2268	2298	2262	2420	2377	2435	2272	
1910	2396(5)	2362	2182	2234	2228	2295(11)	2298	2280	2252	2292	2292	2320(4)	2293	
1911	2301	2371(2)	2268(7)	2362(9)	2268	2222	2216	2277	2252	2448	2579(4)	2454(11)	2293	
1912	2460	2609	2527	2185(4)	2213	2268	2195	2292	2246	2326	2323	2411(13)	2336	
1913	2188(6)	2231(4)	2286	2277	2225	2252	2295(11)	2316(12)	2320	2448	2373	2396	2320	
1914	2385	2484	2316	2271	2387	2466	2377	2198	2310	2252	2408	2466	2357	
1915	2353	2457	2240	2182	2161	2213	2277	2198	2310	2252	2408	2466	2357	
1916	2457	2289	2268	2234	2219	2252(5)	2210	2289	2246	2213	2347	2329	2259	
1917	2252	2285(5)	2225	2176	2164	2222	2298	2298	2304	2344	2371	2387	2303	
1918	2350	2265	2167	2170	2164	2222	2298	2298	2326	2344	2335	2256	2254	
1919	2243	2292	2246	2195	2146	2243	2259	2280	2390	2301	2295	2393	2270	
1920	2326	2271	2240	2237	2188	2213	2219	2310	2320	2259	2307	2304	2256	
1921	2472	2192	2286	2137	2155	2204	2271	2222	2271	2240	2256	2301	2253	
1922	2262	2292	2280	2201	2204	2228	2268	2244	2271	2240	2256	2307	2278	
1923	2274(16)	2225	2152	2161	2216	2182	2246	2249	2222	2387	2274	2182	2230	

BRITISH ISLES (CONTINUED)

NORTH SHIELDS (CONTINUED)												BRITISH ISLES (CONTINUED)											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 01 N	01	24 W	MEAN	55 01 N	01	24 W	MEAN			
1924	2185	2222	2286	2204(8)	2265(7)	2301(14)	2298(3)	2356	2350	2350	2316(11)	2408	2316(11)	2408	2292(XX)								
1925	2365	2384	2192	2252	2283	2282	2268	2326	2365	2393	2390	2417(10)	2390	2417(10)	2324								
1926	2323	2341	2192(2)	2234	2271(6)	2289	2295	2344	2359	2417	2466	2359	2359	2359	2325								
1927	2402	2326	2335	2265	2222(2)	2332	2365	2219	2420	2377	2390	2350(1)	2390	2350(1)	2359								
1928	2402(5)	2301	2222	2286	2222(2)	2310	2295	2289(3)	2304(2)	2334(1)	2457	2371	2371	2307									
1929	2231	2188	2216	2225	2323	2265	2271	2294	2347	2402	2414	2390(2)	2390	2390(2)	2297								
1930	2417	2161	2279	2146(4)	2219	2225	2301	2274	2353(5)	2463	2466	2335	2335	2300									
1931	2320	2222	2277	2295(8)	2301	2338	2432	2387	2332	2457	2448	2396	2396	2352									
1932	2441	2213	2274	2283	2268	2256	2353	2307	2380	2429(7)	2347	2371	2371	2326									
1933	2280(10)	2323	2295	2231	2259	2274	2295	2341	2310	2393	2338	2271	2338	2271	2301								
1934	2347	2243	2274	2219	2234	2234	2271	2326	2338	2408	2350	2384	2350	2384	2303								
1935	2295(8)	2405	2231	2304	2185	2310	2295	2335	2426	2469	2448	2144(2)	2448	2144(2)	2341								
1936	2478	2405	2280	2344(6)	2246	2344	2448	2393	2405	2509	2399	2448	2399	2448	2392								
1937	2332	2487	2304	2274	2262	2298	2359	2313(3)	2423(6)	2441	2463	2371	2371	2359									
1938	2475	2280	2384	2256	2286	2338(8)	2307(7)	2326	2344	2441	2524	2414	2524	2414	2367								
1939	2451	2393	2289	2332	2243	2310	2338	2307	2335(3)	2332	2481	2338	2481	2338	2339								
1940	2228	2252	2338	2249	2243(4)	2277(3)	2323	2435(8)	2387	2350(1)	2444	2301	2444	2301	2320								
1941	2274	2338	2246	2231	2234	2286(9)	2313	2359	2295	2387	2313	2393	2313	2393	2307								
1942	2152	2188	2249	2234	2289	2268	2316(18)	2316(3)	2420	2493	2393	2524(1)	2393	2524(1)	2321								
1943	2365	2377	2246	2368	2295	2316	2347	2367	2393	2426	2396	2335	2396	2335	2355								
1944	2420	2292	2271	2259(6)	2249	2326	2338	2326	2380	2359	2469	2356	2469	2356	2339								
1945	2344	2371	2268	2353	2335	2341	2341	2377	2335	2371(3)	2448	2481(1)	2448	2481(1)	2363								
1946	2417	2402	2332	2320	2326	2396	2338(15)	2399	2466	2390	2469	2380	2469	2380	2388								
1947	2292	2280	2420	2368	2256	2377	2396(11)	2307	2438	2374	2527	2414	2527	2414	2371								
1948	2509	2326	2304	2310	2301	2387	2380	2438	2487	2472	2463	2509	2463	2509	2408								
1949	2438	2374(15)	2256(3)	2417	2316	2326	2338	2402(2)	2420(5)	2502	2509	2536(14)	2509	2536(14)	2399								
1950	2438(8)	2505	2316	2332	2280(9)	2332	2350	2384(6)	2371(5)	2466(2)	2527	2423	2527	2423	2395								
1951	2390	2320	2347	2295	2277	2320	2329	2377	2405	2362(3)	2521(21)	2460	2521(21)	2460	2358								
1952	2356	2301	2249	2283	2289	2326	2298	2371(7)	2380(1)	2457(12)	2487(6)	2353(3)	2487(6)	2353(3)	2345								
1953	2380	2365	2170(22)	2307(4)	2326	2338	2402	2347	2374(8)	2356(4)	2411	2365	2411	2365	2356								
1954	2426	2170	2192	2204	2228	2338	2371	2371	2429	2487	2402	2469	2402	2469	2327								
1955	2414	2350	2286	2286	2353	2347	2344	2353	2454	2444	2466	2533	2466	2533	2386								
1956	2390	2225	2274	2271	2368(3)	2292	2368	2408	2402	2482	2390	2420(1)	2390	2420(1)	2355								
1957	2415	2443	2378	2257	2295	2314	2334	2367	2438	2451	2409	2386	2409	2386	2378								
1958	2402	2444	2276	2288	2304	2325	2378	2418	2413	2433	2355	2515	2355	2515	2378								
1959	2435	2277	2344	2355	2237	2329	2344	2326	2356	2448	2396	2414	2396	2414	2355								
1960	2426	2387	2295	2283	2310	2347	2344	2420	2405	2502	2396	2448	2502	2396	2396								
1961	2371	2408	2405	2356	2362	2390	2359	2408	2444	2478	2502	2499	2502	2499	2414								
1962	2460	2341	2307	2262(3)	2307	2298	2341	2408	2420	2429	2402	2399	2402	2399	2366								
1963	2280	2320	2307	2292	2256	2329	2313	2371	2380	2435	2566	2463	2566	2463	2359								
1964	2356	2371	2243	2298	2344	2368	2335	2280	2402	2384	2432	2393	2432	2393	2350								
SCARBOROUGH												54 17 N											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	54 17 N	00	23 W	MEAN	54 17 N	00	23 W	MEAN			
1962	2683	2792	2798	2780	2810(3)	2743	2832	2862	2874	2905	2880	2905	2880	2905	2840								
1964	2896(18)	2729	2699	2699	2760(8)	2799	2848	2830	2866	2894	2973	2900	2973	2900	2835(XX)								

BRITISH ISLES (CONTINUED)

IMMINGHAM	BRITISH ISLES (CONTINUED)												53	37	N	00	11	W
	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.							DEC.	MEAN
1962	8672	8644	8611	8540(1)	8595	8656	8647	8678	8708	8717	8684	8693	8682	8665				
1963	8638	8556	8537	8514	8662	8705	8662	8681	8726	8705	8827	8815	8714	8682				
1964	8675	8696	8605	8614	8662	8705	8662	8681	8726	8705	8748	8714	8682	8682				
LOWESTOFT																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN					
1962	4673	4642	4599	4563	4609	4557	4630	4651	4654	4706	4663	4686	4636	4595				
1963	4551	4548	4468	4505	4499	4596	4584	4618	4651(7)	4697	4743	4663	4636	4595				
1964	4578	4602	4429	4538	4584	4648	4627	4642	4679	4670	4691	4636	4610	4610				
HARWICH																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN					
1962	2100	2124	2054	2006	2030	2015	2112	2097	2128	2146	2112	2121	2087	2087				
1963	2018	1996	1987	2057	1951	2094	2076(8)	2088	2134	2155	2259	2173	2083	2094				
1964	2070	2128	1990	2021	2030	2060	2109	2131	2170	2158	2179	2073	2094	2094				
SOUTHEND																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN					
1929	-21(4)	-116(4)	-76	40	-98	-46	-30	-34(9)	85	79	18	-134	-27	21				
1930	-52	-18	-18	18	21	6	61	43	55	46	119	-30	21	21				
1931	12(14)	-98	-18	-12	-15(4)	15(4)	-3	82	58	149	15	98	29	29				
1932	-43	6	-79	-34	3	30	9	46	85	85	24	18	13	13				
1933	-34	30	-34	-37	40	61	-37	9	113	79(4)	73(2)	52	25	25				
1934	-12	-21	-40	-73	-64(3)	-12(15)	3	15	18	79	82	43	3	3				
1935	15	18	-107	-15	-6	-21	79	34	67	49	73	46	20	20				
1936	91	91	-15	125	-3	0	21	18	34	30(5)	55	24	40	40				
1937	-79(1)	94	82	30	0	116	49	55	58	107(2)	210	52	64	64				
1938	55	12	-6	27	27	-30	-30	122	12	9	76	18	24	24				
1939	119	-3	64	58	46	64	46(2)	70	140	168	61	61	73	73				
1940	24(3)	24(11)	110	24	30	73(1)	192	76	116	40	110	-15(2)	69	69				
1941	0	-64	-30	-113	-37	49	67	125	67	162	3	49	24	24				
1942	-180	-43	-27	43	43	46	40	24	110	116	186	134	41	41				
1943	-3	9	18	64	3	18	60	79	76	107	140	40	51	51				
1944	64	46	-9	-18	-6	0	82	85	67	67	79	82	45	45				
1945	43	43	49	107	37	-24	9	146	37	91	180	152	64	64				
1946	98	155	64	-12	134	-3	-43	98	46	189	43	94(16)	71	71				
1947	6(31)	6(3)	58	-34	-88	18	27	107	165	128	204	107	63(XX)	63(XX)				
1948	70(3)	129	31	31	31	31	76	140	165	15	94	55	70(XX)	70(XX)				
1949	46	49	-3	43	18	27	61	85	134	107	146	128	51(XX)	51(XX)				
1950	12(2)	82	-6(5)	18	73(13)	43	64	76	125	107	155	128	79	79				
1951	64	-27	61	18	104	70	52	101	155	158	195	155	93	93				
1952	137	122	85	43	104	101	122	152	168	162	244	101	128	128				
1953	67	128	-12	30	70	128	61	125	98	152	76	162	90	90				
1954	64	128	76	27	46	61	88	125	91	128	40	137	73	73				
1955	192(7)	119	73	9	18	70	113	113	146	195	201	85	108	108				
1956	88	-15	6	46	18	24	37	98	143	213	259	143	86	86				
1957	85	122	61	70	61	73	70	67	143	134	131	152	96	96				
1958	104	192	49	68	0	73	107	131	155	171	134	216	116	116				

BRITISH ISLES (CONTINUED)

SOUTHEND (CONTINUED)		BRITISH ISLES (CONTINUED)												00 44 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	51 31 N	DEC.	MEAN
1959	216	15	91	104	76	98	98	119	168	158	15	-21	51 31 N	DEC. <td>00 44 E</td>	00 44 E
1960	82	46	36	27	70	76	58	152	152	213	152	82	51 31 N	DEC. <td>MEAN</td>	MEAN
1961	30	85	122	24	137	64	116	64	107	116	207	174	51 31 N	DEC. <td>00 44 E</td>	00 44 E
1962	40	101	46	12	34	18	82	21	82	149	149	152	51 31 N	DEC. <td>MEAN</td>	MEAN
1963	104	15	-34	-24	-58	34	34	67	101	61	201	180	51 31 N	DEC. <td>00 44 E</td>	00 44 E
1964	55	116	6	9	40	107	61	100	131	122	177	106	51 31 N	DEC. <td>MEAN</td>	MEAN
CORRIGENDA FOR 1961															
AUGUST 10.21, ANNUAL MEAN 10.339															

TILBURY		BRITISH ISLES (CONTINUED)												00 22 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	51 28 N	DEC.	MEAN
1962	116	223	128	73	79	43	79	49	98	207	171	165	51 28 N <th>DEC.</th> <td>00 22 E</td>	DEC.	00 22 E
1963	134(5)	101	46	49	15	104	70	46	101	113	192	213	51 28 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
1964	76	192	122	122	155	213	162	207	201	201	201	155	51 28 N <th>DEC.</th> <td>00 22 E</td>	DEC.	00 22 E
CORRIGENDA FOR 1961															
AUGUST 10.43, ANNUAL MEAN 10.568															

RAMSGATE		BRITISH ISLES (CONTINUED)												01 25 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	51 20 N	DEC.	MEAN
1962	3220	3289	3228	3237	3283	3252	3307	3289	3402(3)	3380(12)	3347	3341	51 20 N <th>DEC.</th> <td>01 25 E</td>	DEC.	01 25 E
1963	3200	3222	3264	3258	3353	3289	3295	3341	3386	3341	3347	3349	51 20 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
1964	3173	3301	3213	3216	3267	3344	3338	3356	3383	3362	3353	3344(9)	51 20 N <th>DEC.</th> <td>01 25 E</td>	DEC.	01 25 E
CORRIGENDA FOR 1961															
AUGUST 10.43, ANNUAL MEAN 10.568															

DOVER		BRITISH ISLES (CONTINUED)												01 19 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	51 07 N	DEC.	MEAN
1962	3676	3591	3618	3585	3609	3554	3621	3673(2)	3701	3713	3697	3697	51 07 N <th>DEC.</th> <td>01 19 E</td>	DEC.	01 19 E
1963	3548	3621	3597	3585	3560	3774	3640	3707	3704	3649	3847	3658	51 07 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
1964	3572	3633	3539	3566	3621	3670	3621	3664	3691	3697	3694	3642	51 07 N <th>DEC.</th> <td>01 19 E</td>	DEC.	01 19 E
CORRIGENDA FOR 1961															
AUGUST 10.43, ANNUAL MEAN 10.568															

SHOREHAM		BRITISH ISLES (CONTINUED)												00 15 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	50 50 N	DEC.	MEAN
1962	2749	2560	2655	2606	2624	2579	2688	2728	2774	2746	2774	2737	50 50 N <th>DEC.</th> <td>00 15 W</td>	DEC.	00 15 W
1963	2536	2682	2731	2612	2579	2688	2652	2710	2661	2734	2886	2728	50 50 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
1964	2646	2685	2624	2624	2701	2716	2719	2755	2789	2737	2722	2685	50 50 N <th>DEC.</th> <td>00 15 W</td>	DEC.	00 15 W
CORRIGENDA FOR 1961															
AUGUST 10.43, ANNUAL MEAN 10.568															

PORTSMOUTH		BRITISH ISLES (CONTINUED)												01 07 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	50 48 N	DEC.	MEAN
1961	2065	2091	2134	2094	2067	2018	2124	2170	2234	2192	2252	2252	50 48 N <th>DEC.</th> <td>01 07 W</td>	DEC.	01 07 W
1962	2062	2094	2146	2094	2067	2018	2124	2170	2234	2192	2252	2252	50 48 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
1963	2095	2128	2134	2103	2093	2094	2100	2161	2121	2198	2420	2158	50 48 N <th>DEC.</th> <td>01 07 W</td>	DEC.	01 07 W
1964	2036	2091	2070	2094	2146	2173	2143	2188	2210	2204	2158	2158	50 48 N <th>DEC.</th> <td>01 07 W</td>	DEC.	01 07 W
CORRIGENDA FOR 1961															
AUGUST 10.43, ANNUAL MEAN 10.568															

PORTLAND		BRITISH ISLES (CONTINUED)												02 26 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	50 34 N	DEC.	MEAN
1961	1066	1064	1064	1012	1039	1091(8)	1039(6)	1055(12)	981	988	1366	1052	50 34 N <th>DEC.</th> <td>02 26 W</td>	DEC.	02 26 W
1962	1161	878(4)	1042(14)	957(10)	1018(3)	954	1061	1055	1143	1103	1146	1215	50 34 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
1963	960(3)	1064	1094(5)	991	911	975	914(5)	997(5)	981	988	1366	1052	50 34 N <th>DEC.</th> <td>02 26 W</td>	DEC.	02 26 W
1964	1006	1064(4)	1061	1012	1039	1091(8)	1039(6)	1055(12)	981	988	1366	1052	50 34 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
CORRIGENDA FOR 1961															
AUGUST 10.43, ANNUAL MEAN 10.568															

DEVONPORT		BRITISH ISLES (CONTINUED)												04 11 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	50 22 N	DEC.	MEAN
1962	2902	2632	2801	2726	2740	2708	2793	2827	2883	2859	2904	2830	50 22 N <th>DEC.</th> <td>04 11 W</td>	DEC.	04 11 W
1963	2798	2907	2931(5)	2840	2709	2832	2806	2836	2799	2839	3183	2941	50 22 N <th>DEC.</th> <td>MEAN</td>	DEC.	MEAN
1964	2780	2841	2865	2795	2798	2822	2743	2786	2829	2838	2819	2822	50 22 N <th>DEC.</th> <td>04 11 W</td>	DEC.	04 11 W
CORRIGENDA FOR 1961															
AUGUST 10.43, ANNUAL MEAN 10.568															

BRITISH ISLES (CONTINUED)

NEWLIN		BRITISH ISLES (CONTINUED)										50 06 N		05 33 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	140	-93	106	-5	11	-22	62	65	130	100	136	75	60		
1963	98	174	98	70	-49	85	49	79	46	101	381	198	109		
1964	59	121	126	43	62	86	13	51	116	109	78	72	78		
SWANSEA												51 37 N		03 55 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	8068	7702(5)	7925(2)	7900	7861	7830(2)	8065(2)	7937(5)	7940(2)	7940(2)	7998	7922(3)	7938		
1963	8006	8016(5)	8007	7910	7936	7943	7925(4)	7952	8016(3)	8016(3)	8318	8022	7996		
1964	7870	7940	7943	7922(6)	7955	7916	7903(4)	7943(5)	8022	8007(2)	7946	7964(3)	7944		
MILFORD HAVEN												51 42 N		05 01 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	259(3)	-27	58(16)	67(15)	107	88(15)	162(16)	125	180	149	165	107	120		
1963	3840	3859	3840	3597(16)	3761(22)	3834	3764	3813	3859	3816	4185	3865(8)	3864(XX)		
1964	3758(8)	3819	3865	3770	3819	3834	3764	3813	3859	3819	3822	3822	3813		
FISHGUARD												52 00 N		04 58 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	2134	1814	2024	1926	1948	1917	1999	2027	2088	2030	2060	1978	1997		
1963	1963	2067	2079(12)	2003	2005	2027	1993	2024	1984	2067	2047	2112	2045		
1964	1978	2033	2030	1972	2006	2015	1957	1999	2060	2039	2027	2033	2012		
HOLYHEAD												53 19 N		04 37 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	7056(6)	6666(2)	6931	6840	6824	6867	6913	6980	7099	7007	7004	6971	6931		
1963	6879	7007	7029	6934	6867	6959	6910	6968(4)	6949	7020	7273	6986(1)	6981		
1964	6892	6956	6928	6916(6)	6946	6928	6892	6888(6)	6952	6913(4)	6931	6989(6)	6928		
HILBRE ISLAND												52 23 N		03 13 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	4874(8)	4535(12)	4636(10)	4563	4569	4575	4609	4697	4730	4648	4657	4737	4653		
1963	4599(4)	4676(13)	4788	4663	4618	4688	4630	4688(1)	4618(3)	4746(4)	4938	4660	4694		
1964	4578	4526(10)	4596	4645	4679	4700	4648	4615(5)	4679	4654	4694	4648	4642		
BIRKENHEAD (ALFRED DOCK)												53 24 N		03 01 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	4798	4484	4535	4532	4554	4511	4569	4691	4709	4666	4618	4633	4609		
1963	4471	4548	4651	4548	4532	4609	4569	4627	4618	4663	4944	4617	4617		
1964	4545	4581	4505	4529	4578	4593	4642	4602	4685	4563	4587	4670	4590		
LIVERPOOL (PRINCES PIER)												53 25 N		03 00 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	4807	4514	4569	4493	4557	4548	4554	4642	4654	4609	4578	4578	4593		
1963	4383	4502	4612	4502	4523	4563	4502	4593	4654(13)	4715	4953	4615	4593		
1964	4551	4572	4505	4554	4587	4587	4609	4621	4682	4618	4642	4679	4600		
HEYSHAM												54 02 N		02 55 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	MEAN	
1962	9385(2)	9053	9199	9123	9153	9150	9135	9263	9278	9232	9156	9181	9193		
1963	9034	9095	9232(4)	9092(3)	9085	9165	9159	9217	9190	9281	9559	9193	9191		
1964	9144	9150	9074	9132	9202	9171	9171	9187(7)	9336	9174	9184	9214	9178		

Values in error →

BRITISH ISLES (CONTINUED)

DOUGLAS		BRITISH ISLES (CONTINUED)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	04	28
1962	3374	3045	3182	3109	3142	3142	3188	3267	3277	3219	3206	3170	3192	MEAN
1963	3118	3255	3341	3219	3158	3240	3219	3277	3246	3338	3309	3322	3278	
1964	3167	3185	3179	3173	3225	3210	3146	3133	3228	3194	3203	3210	3188	
STORNOWAY														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	06	23
1963	2096	2251	2323	2177	2194	2202	2205	2240	2279	2402	2487	2371	2269	MEAN
1964	2310	2289	2219	2179	2286	2286	2280	2246	2356	2323	2365	2347	2291	
LARNE														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	05	47
1962	1823	1469	1585	1515	1588	1567	1564	1664	1676	1661	1628	1615	1610	MEAN
1963	1500	1631	1673	1591	1542	1600	1585	1618	1615	1707	1926	1728	1643	
1964	1637	1664	1631	1625	1679	1646	1628	1612	1710(8)	1652	1692	1652	1651	
BELFAST														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	05	55
1962	2143	1832	1948	1881	1875	1881	1908	1987	2060	2036	2021	1981	1964	MEAN
1963	1902	2036	2076	1954	1884	1954	1945	1963	1945	2054	2077	2063	2004	
1964	1935	1999	1963	1923	1978	1963	1905	1935	2030	1990	2018	1987	1968	

EIRE

MALIN HEAD		EIRE												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	07	20
1962	2733	2416	2517	2429	2450	2499	2499	2645	2618	2608	2529	2544	2540	MEAN
1963	2426	2544	2621	2529	2535(10)	2520	2526	2563	2642(16)	2645	2797	2654	2583	
1964	2563	2594	2539	2518	2603	2551	2481	2515	2643	2548	2615	2579	2562	
GALWAY														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	09	02
1964	2849(4)	2723	2682(9)	2597(6)	2733(8)	2705(4)	2683	2608(12)	2726(6)	2695	2736(19)	2674(7)	2702	MEAN
DUBLIN														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	06	13
1962	2279	2014	2095	1967	1996	2066	2096	2134	2173	2211	2176	2112	2112	MEAN
1963	2104	2192	2195	2173	2069	2171	2145	2125	2036	2163	2408	2247	2169	
1964	2085	2143	2140	2121	2182	2164	2121	2128	2173	2140	2140	2146	2140	
ST. HELIER (JERSEY)		CHANNEL ISLANDS												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	02	07
1962	5892	5642	5800	5779	5764	5712	5831	5861	5898	5837	5941	5773	5808	MEAN
1963	5691	5819(5)	5828(14)	5892	5758	5840	5782	5855	5806	5880	6081	5788	5835	
1964	5752	5794	5834	5816	5809	5837	5803	5834	5880	5880	5816	5788	5820	

CORRIGENDUM FOR 1961 ANNUAL MEAN 19.206

FRANCE (WEST COAST)

DUNKERQUE		51 03 N 02 22 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1959	100	-251	-104	-53	-55	-93	-89	-91	-77	-36	-71	-40	-70
1960	45	-77	-136	-134	-106	-106	-44	-47	-65	57	109	-68	-58
1961	-140	-111	-103	-108	-91	-55	-93	-59	-63	29	25	1	-68
1962	-16	11	-115	-152	-126	-169	-96	-66	-19	-43	-51	-64	-75
1963	-250	-167	-150	-175	-187	-90	-138	-46	-62	-71	142	-49	-104
DIEPPE		49 56 N 01 05 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1968	70	-307	-88	-45	-188	-160	-125	-122	-3	-46	-174	77	-57(XX)
1959	51	-26	-96	-148	-164	-126	-50	-9	-117	48	152	-212	-80
1960	-148	-115	-242	-142	-188	-218	-175	-164	-14	35	-114	-129	-134
1961	-168	-272	-125	-267	-338	-115	-118	-74	16	-37	7	-108	-133
1963	-259	-173	-143	-172	-174	-60	-168	-200	-94	-86	255	-122	-116
LE HAVRE		49 29 N 00 06 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1959	144	-208	16	14	122	151	199	126	-102	99	131	247	79
1960	83	65	212	171	168	184	134	181	156	329	288	149	177
1961	124	123	21	31	94	111	94	110	153	250	172	266	140
1962	180	-63	67	62	56	-9	81	174	169	97	149	87	88
1963	-104	36	72	51	-1	109	52	125	78	108	410	84	85
CHERBOURG		49 39 N 01 37 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	-49	65	51	-54	-6	-19	64	106	58	224	256	77	64
1961	9	17	-71	94	-9	3	32	31	-36	164	95	152	40
1962	106	-163	-123	-84	-38	-96	-25	11	33	41	75	5	-21
1963	-117	21	5	0	-11	..(30)	-5	-10	-69	39	312	27	17(XX)
BREST		48 23 N 04 30 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	4679	4457	4615	4527	4513	4485	4574	4555	4597	4571	4642	4526	4561
1963	4543	4618	4584	4584	4475	4572	4519	4547	4521	4549	4878	4700	4591
1964	4520	4576	4638	4530	4520	4535	4452	4483	4533	4576	4566	4672	4550
CORRIGENDUM FOR 1809 ANNUAL MEAN 447.29													
CORRIGENDUM FOR 1811 ANNUAL MEAN 449.52													
CORRIGENDUM FOR 1827 ANNUAL MEAN 441.44													
CORRIGENDUM FOR 1897 JANUARY 450.64													
CORRIGENDUM FOR 1936 ANNUAL MEAN 459.82													
CORRIGENDUM FOR 1953 ANNUAL MEAN 435.9													
LA PALLICE		46 10 N 01 13 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1956	..(31)	..(29)	..(31)	..(30)	..(31)	..(31)	..(31)	..(31)	..(31)	182	78	117	162(XX)
1957	-16	..(28)	206	-2	20	256	..(31)	218	170	41	15	198	93(XX)
1958	..(31)	..(28)	..(31)	..(30)	..(31)	..(31)	..(31)	..(31)	..(31)	..(31)	..(30)	..(31)	128(XX)
1959	276	271	208	87	88	82	96	44	101	145	179	287	151(XX)
1960	24	-26	208	52	140	176	194	221	210	343	293	251	174
1961	241	159	148	240	209	134	194	98	197	259	155	164	183
1962	535	359	510	446	415	419	462	434	18	-46	-425	-573	213
1963	-130	-66	-73	-15	306	339	327	317	195	207	472	292	181

MEAN SEA LEVEL DATA (1962-1964)

FRANCE (WEST COAST) (CONTINUED)														
ST. JEAN-DE-LUZ			43 24 N			01 41 W			43 24 N			01 41 W		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1960	244	368	303	227	206	205	256	213	336	177	94	234		
1961	-283	-304	168	299	233	315	254	227	244	274	158	154		
1962	18	8	176	132	185	195	122	235	277	271	196	168		
1963	238	224	179	292	171	-80		272	224	452	317	230		
SPAIN (NORTH COAST)														
PASAJES			43 19 N			01 55 W			43 19 N			01 55 W		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1952	2678	2650	2735	2672	2707	2673	2632	2711	2696	2747	2726	2725	2696	
1953	2610	2586	2516	2672(XX)	2624	2698	2626	2698	2705	2716	2656	2727(XX)	2649	
1954	2640	2708	2765	2595	2683	2675	2667(XX)	2682(XX)	2672	2699	2766	2665	2685	
1955	2768	2778	2675	2572	2610	2665	2671	2663	2660	2720	2734	2713	2686	
1956	2788(XX)	2590	2631	2589	2614(XX)	2630	2659(XX)	2672	2704	2630	2588	2581	2640	
1957	2523	2646	2650	2564	2598	2650	2691(XX)	2682	2681(XX)	2717	2717	2709	2639	
1958	2663	2650	2703	2628	2618	2670	2655	2679	2709	2674	2741(XX)	2787(XX)	2681	
1959	2624	2392(XX)	2545	2542	2652(XX)	2671	2688	2669	2735	2772	2776(XX)	2821(XX)	2657	
1960	2713	2772	2656	2684	2656	2690	2769	2749	2889	2850	2777	2777	2748	
1961	2774	2670	2608	2652	2644	2678	2615	2683	2893	2957	2848	2732	2732	
1962	2848	2556	2682(XX)	2571	2636	2654	2664	2694	2753	2770	2897	2775	2708	
1963	2709	2672	2616	2629	2540	2649	2604	2654	2753	2770	2897	2775	2708	
									..(30)	..(31)	2850	2736	..	
SANTANDER (I)														
SANTANDER (I)			43 28 N			03 48 W			43 28 N			03 48 W		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1952	2801	2757	2874	2782	2836	2796	2754	2820	2817	2889	2866	2863	2821	
1953	2770	2746	2688	2841	2770	2813	2761	2784	2844	2841	2815	2866	2795	
1954	2750	2791	2863	2665	2764	2784(XX)	2748	2829	2788	2819	2887	2751	2787	
1955	2875	2851	2748	2661(XX)	..(31)	..(30)	..(31)	2811	2815	2866	2906	2902	..	
1956	2823(XX)	2721	2798	2750	2665	2664	2757	2809	2867	2791	2766	2766	2765	
1957	2719	2840	2831	2682	2738	2743	2769	2727	2770	2771	2849	2856	2775	
1958	2806	2806	2832	2731	2746	2786	2784	2817	2847	2790	2758	2927	2802	
1959	2818	2837	2832	2791	2737	2728	2735	2748	2808	2848	2879	2906	2789	
1960	2796	2865	2894	2744	2773	2761	2776	2855	2858	2994	2974	2874	2847	
1961	2817	2889	2680	2846	2815	2779	2810	2758	2857	2951	2955	2982	2846	
1962	2839	2858	3010	2777	2768	2736	2789	2796	2847	2879	2924	2844	2839	
1963	2937	2928	2853	2825	2721	2831	2793	2812	2817	2842(XX)	..(30)	2936	..	
SANTANDER (II)														
SANTANDER (II)			43 22 N			03 46 W			43 22 N			03 46 W		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1962	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	..(30)	..(31)	..(31)	..(30)	..(30)	..(30)	..(XX)	
1963	-5510(1)	-5460	-5551(2)	-5608	-5678(1)	-5561(1)	-5606	-5584	-5581	-5597	-5571(1)	-5575	-5501(XX)	
1964	-5620	-5568	-5528(1)	-5599	-5620	-5585	-5654	-5605	-5571	-5528	-5577(1)	-5535	-5583	
LA CORUNA (I)														
LA CORUNA (I)			43 22 N			08 24 W			43 22 N			08 24 W		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	
1943	..(31)	..(28)	..(31)	..(28)	..(31)	..(30)	..(30)	..(31)	..(31)	..(30)	..(30)	..(30)	..(XX)	
1944	2461(XX)	2476(XX)	2515(XX)	2569	2524	2561	2592	2571	2559	2579	2610	2567	2549	
1945	2554	2465	2485	2622	2596(XX)	2498	2506	2615	2616	2744	2822	2803(XX)	2610	
1946	2704	2579	2721	2603	2708	2565(XX)	2533	2568	2596	2741(XX)	2775	2634	2644	
1947	2688	2803	2773	2594	2661	2644	2714	2584(XX)	2603	2596	2639	2619(XX)	2659	
1948	2683(XX)	2564	2728	2542	2591	2550(XX)	2541	2588	2581	2636(XX)	2641	2768	2601	
1949	2452(XX)	2458	2471	2519	2535	2524	2562	2595	2705	2727	2706	2653	2575	
1950	2611	2640	2580	2541	2640	2603	2545	2552	2537	2573	2655	2709	2598	

SPAIN (NORTH COAST) (CONTINUED)

LA CORUNA (CONTINUED)													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	43 22 N DEC.	08 24 W MEAN
1951	2702	2729	2742	2666	2715	2665	2668	2644	2721	2694	2811	2665	2701
1952	2581	2670	2746	2640	2712	2655	2579	2625	2592	2667	2651	2656	2648
1953	2602	2561	2524	2664	2586	2644(XX)	2594	2649(XX)	2652	2623(XX)	2613	2732	2620
1954	••(31)	••(28)	2657	2490	2557	2531	2489	2552	2546	2617	2701	2538	••
1955	2707	2737	2686	2593	2405	2652	2632	2640	2607	2704	2796	2732	2674
1956	2698	2470	2560	2449	2395	2395	2483	2566	2647	2601	2534	2582	2531
1957	2563	2689	2709	2550	2570	2564	2572	2583	2582	2577	2570	2564	2591
1958	2511	2599	2658	2541	2534	2589	2546	2637	2736	2677	2679	2772	2620
1959	2746	2584	2738	2615	2600	2570	2556	2498	2598	2726	2638	2598	2614
1960	2632	2745	2725	2527	2589	2529	2520	2590	2576	2768	2764	2585	2629
1961	2523	2554	2539	2643	2618	2524	2502	2502	2579	2623	2667	2771	2587
1962	2616	2435	2644	2588	2512	2538	2545	2565	2543	2674	2672	2576	2579
1963	2743	2682	2630	2611(XX)	••(31)	••(30)	2571	2559	2370	2637	2860	2818	••
LA CORUNA (III)													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	43 22 N DEC.	08 24 W MEAN
1952	2346	2359	2522(XX)	2416	2504	2440	2478(XX)	2409	2398	2475	2457	-3249	-3321
1953	2367(XX)	2334	2386	2501	2447	2441	2331	2441	2513	2476	2499	-3068	-3111
1954	2352	2418(XX)	2538	2378	2441	2383	2389	2441	2418	2508	2648	-3303	-3304
1955	2633(XX)	2654(XX)	2572(XX)	2504	2475	2515	2488	2516(XX)	2460	2554	2686	-3315	
1956	2528	2440	2537	2502	2399	2368	2425	2424	2514	2473	2434	2452	2458
1957	2384	2518	2535	2385	2411	2418	2407	2389	2404	2435	2478	2466	2436
1958	2428	2484	2504	2387	2379	2431	2368	2395	2456	2396	2366	2574	2431
1959	2515	2370	2516	2401	2387	2365	2376	2381	2463	2442	2471	2461	2429
1960	2457	2621	2614	2450	2513	2438	2421	2482	2478	2669	2648	2510	2525
1961	2444	2465	2481	2588	2551	2459	2435	2427	2472	2522	2598	2641	2504
1962	2503	2324	2600	2408	2400	2471	2454	2458	2535	2582	2539	2482	2484
1963	2715	2656	2568	2546	2416	2528	2468	2420	2459	2378	2758	2719	2553

PORTUGAL

CASCAIS													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	38 41 N DEC.	09 25 W MEAN
1882	4351(XX)	4314	4353	4395	4435	4442	4423	4377	4371	4326	4402	-4402	-4369
1883	4357	4363	4277	4364	4339	4404	4459	4392	4371	4370	4391	-4374	-4374
1884	4351	4323	4298	4219	4354(XX)	4349	4315	4264	4329	4334	4285	-4393	-4318
1885	4301(XX)	4312	4287	4383	4346	4338	4350	4326	4340	4290	4241	-4267	-4315
1886	4316	4320	4281	4265	4248(XX)	4292(XX)	4317	4321	4296	4318	4296	-4262	-4297
1887	4282	4310	4253	4282	4269	4247	4281	4272	4285	4259	4203	-4259	-4266
1888	4307	4299	4275	4278	4314	4360	4362	4340	4282	4232	4233	-4195	-4289
1889	4354	4364	4305	4363	4329	4325	4355	4392	4388	4355	4291	-4245	-4346
1890	4394	4329	4328	4330	4300	4366	4395	4307	4300	4289	4337	-4245	-4326
1891	4298	4372	4249	4298	4318	4288	4293	4319	4341	4274	4186	-4321	-4296
1892	4268	4225	4165	4256	4305	4331	4397	4350	4378	4284	4327	-4378	-4306
1893	4296	4370	4241	4212	4206	4304	4341	4301	4258	4300	4256	-4297	-4282
1894	4275	4299	4308	4308	4342	4350	4370	4319	4304	4250	2539	-4295	-4306
1895	4271	4153	4309	4292	4301	4281	4281	4271	4129	4161	4206	-4203	-4239

PORTUGAL (CONTINUED)

CASCAIS (CONTINUED)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	09 25 W MEAN
1917	-4262	-4273	-4359	-4324	-4295	-4358	-4314	-4340	-4347	-4325	-4354	-4319	-4323
1918	-4280	-4348	-4374	-4328	-4348	-4329	-4337	-4308	-4326	-4351	-4307	-4424	-4338
1919	-4406	-4312	-4397	-4371	-4377	-4347	-4336	-4322	-4273	-4294	-4249	-4294	-4340
1920	-4388	-4312	-4411	-4327	-4292	-4350	-4379	-4306	-4306	-4286	-4283	-4283	-4329
1921	-4387	-4351	-4390	-4348	-4363	-4329	-4332	-4347	-4291	-4192	-4231	-4388	-4329
1922	-4419	-4382	-4355	-4412	-4364	-4322	-4388	-4336	-4328	-4162	-4261	-4326	-4338
1923	-4449	-4410	-4340	-4312	-4322	-4325	-4334	-4317	-4351	-4256	-4280	-4363	-4340
1924	-4358	-4288 (XX)	-4236 (XX)	-4322 (XX)	-4313 (XX)	-4367 (XX)	-4343	-4318	-4303 (XX)	-4256 (XX)	-4245	-4372 (XX)	-4311
1925	-4418 (XX)	-4396 (XX)	-4281 (XX)	-4397	-4347	-4344	-4344	-4321	-4272	-4264	-4268 (XX)	-4181 (XX)	-4314
1926	-4315 (XX)	-4258 (XX)	-4341 (XX)	-4342 (XX)	-4366	-4297	-4322	-4293	-4295	-4188	-4268 (XX)	-4296	-4303
1927	-4404 (XX)	-4357 (XX)	-4424 (XX)	-4345 (XX)	-4267	-4284	-4331	-4288	-4190	-4252 (XX)	-4292	-4287	-4272
1928	-4420 (XX)	-4389	-4274	-4255 (XX)	-4259	-4210	-4242	-4229	-4190	-4227	-4286	-4277 (XX)	-4272
1929	-4308	-4275	-4224 (XX)	-4216	-4252	-4280	-4251	-4250	-4220	-4227	-4266	-4277 (XX)	-4280
1930	-4277	-4301 (XX)	-4297	-4279	-4274	-4315 (XX)	-4304	-4289	-4258	-4259	-4243	-4287	-4280
1931	-4309	-4398 (XX)	-4180	-4234 (XX)	-4280	-4248	-4256	-4263	-4229	-4175	-4180	-4282	-4252
1932	-4351	-4248	-4196	-4343	-4332	-4276	-4276	-4226	-4212	-4284	-4250	-4231	-4269
1933	-4268	-4372	-4301	-4328	-4310	-4323	-4307	-4254	-4227	-4179	-4213	-4277	-4272
1934	-4431	-4370	-4360	-4218	-4240	-4255	-4276	-4327	-4337	-4283	-4227	-4301	-4301
1935	-4330	-4383	-4309	-4375	-4314	-4370	-4384	-4302	-4336	-4380	-4335	-4311	-4344
1936	-4243	-4221	-4241	-4284	-4314	-4280	-4318	-4253	-4291	-4325	-4351	-4384	-4288
1937	-4352	-4381	-4376	-4412	-4377	-4405	-4305	-4314	-4256	-4210	-4133	-4300	-4318
1938	-4385	-4312	-4291	-4232	-4321	-4291	-4321	-4280	-4304	-4266	-4343	-4271	-4301
1939	-4355	-4353	-4275	-4298	-4253	-4306	-4286	-4275	-4213	-4170	-4269	-4203	-4262
1940	-4184	-4227	-4250	-4340	-4314	-4350	-4351	-4268	-4254	-4197	-4417	-4422	-4298
1941	-4237	-4245 (XX)	-4233	-4254 (XX)	-4329 (XX)	-4317	-4269	-4293	-4210 (XX)	-4185 (XX)	-4188 (XX)	-4343 (XX)	-4258
1942	-4440 (XX)	-4387 (XX)	** (31)	-4222 (XX)	-4260 (XX)	-4199	-4293 (XX)	-4249	-4216 (XX)	-4111	-4067 (XX)	** (31)	-4245 (XX)
1943	-4206 (XX)	-4341 (XX)	-4181 (XX)	-4223	-4277 (XX)	-4285 (XX)	-4293 (XX)	-4228	-4196	-4164	-4228	-4242 (XX)	-4238
1944	-4344	-4266	-4254 (XX)	-4235	-4225	-4172	-4236	-4210	-4217 (XX)	-6205 (XX)	-4210	-4258	-4236
1945	-4295 (XX)	-4395 (XX)	-4276 (XX)	-4199 (XX)	-4230	-4273	-4267	-4260	-4260	-4133	-4096 (XX)	-4197 (XX)	-4236
1946	-4260 (XX)	-4252 (XX)	-4228 (XX)	-4191 (XX)	-4145	-4255	-4232 (XX)	-4232 (XX)	-4261	-4179	-4157	-4296 (XX)	-4224
1947	-4254 (XX)	-4156 (XX)	-4152	-4283 (XX)	-4236	-4266	-4261	-4249	-4219	-4208	-4197 (XX)	-4279	-4230
1948	-4278 (XX)	-4245 (XX)	-4258	-4250	-4190	-4259 (XX)	-4235 (XX)	-4248	-4215	-4202 (XX)	-4234 (XX)	-4145 (XX)	-4230

PORTUGAL (CONTINUED)

CASCAIS (CONTINUED)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1949	4301 (XX)	4351 (XX)	4271 (XX)	4238 (XX)	4242	4288 (XX)	4251 (XX)	4230	4201 (XX)	4197	4218 (XX)	4212 (XX)	4248
1950	4248 (XX)	4341	4312 (XX)	4315 (XX)	4237 (XX)	4242	4253 (XX)	4224	4218 (XX)	4181 (XX)	4163 (XX)	4199 (XX)	4244
1951	4301 (XX)	4235 (XX)	4454 (XX)	4270 (XX)	4265 (XX)	4250 (XX)	4260 (XX)	4328	4240 (XX)	4250 (XX)	4165	4233 (XX)	4249
1952	4447	4391 (XX)	4362 (XX)	4322 (XX)	4290 (XX)	4260 (XX)	4409 (XX)	4356 (XX)	4377	4301 (XX)	4220 (XX)	4226 (XX)	4348
1953	4290 (XX)	4266 (XX)	4304 (XX)	4239 (XX)	4362 (XX)	4311 (XX)	4377 (XX)	4298 (XX)	4218 (XX)	4211 (XX)	4218 (XX)	4106 (XX)	4268
1954	4401 (XX)	4400 (XX)	4296 (XX)	4351 (XX)	4308 (XX)	4386 (XX)	4336 (XX)	4346 (XX)	4360 (XX)	4298 (XX)	4207 (XX)	4335 (XX)	4341
1955	4278 (XX)	4207 (XX)	4156 (XX)	4249	4263 (XX)	4236	4217 (XX)	4256 (XX)	4222	4116	4038 (XX)	4178 (XX)	4198
1956	4197 (XX)	4240 (XX)	4490 (XX)	4224	4293 (XX)	4259 (XX)	4269 (XX)	4268 (XX)	4239 (XX)	4182 (XX)	4208 (XX)	4277 (XX)	4246
1957	4300 (XX)	4271 (XX)	4190 (XX)	4281	4265 (XX)	4276	4240	4223 (XX)	4181	4223 (XX)	4187	4232 (XX)	4242
1958	4293	4246 (XX)	4253 (XX)	4324 (XX)	4344 (XX)	4286	4319	4264	4223	4238	4187	4239	4271
1959	4222 (XX)	..(28)	..(31)	..(30)	..(31)	..(30)	..(30)	..(31)	..(30)	..(31)	..(31)	..(31)	..(31)
1960	..(31)	..(29)	..(31)	..(30)	..(30)	..(31)	..(31)	..(31)	..(31)	..(30)	..(31)	..(31)	..(31)
1961	4329 (3)	4314 (5)	4176 (15)	4238 (4)	4156 (2)	4228 (2)	4249 (1)	4220 (1)	4196	4116	4162 (4)	4278 (1)	4208 (XX)
1962	4209 (1)	4288 (1)	4147 (4)	4229	4267	4202	4238	4234 (1)	4181	4092 (1)	4126 (3)	4197	4201
1963	4015	4125	4267	4185	4236	4180	4223	4261	4187	4082	4082	4040	4169
1964	4166	4170	4149	4234	4226	4176 (XX)	4234 (2)	4202 (4)	4147	4201	4183 (3)	4180	4189

THESE DATA REPLACE ALL PREVIOUSLY PUBLISHED DATA.

LAGOS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1908	..(31)	..(29)	..(31)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	..(30)	..(30)	..(31)
1909	2949	2906	2908	2926	2898	2980	2885	2894	2895	2863	2798	2926	2844 (XX)
1910	2974	3052	2980	2977	2997	2949	2932	2946	2878	2833	2908	2917	2936
1911	3016	2952	2990	..(30)	..(31)	2964	2915	2914	2907	2882	2919	2995	2945 (XX)
1912	2921	2881	3042	2951	2985	2974	2941	2912	2805	2856	..(30)	2911 (XX)	2924 (XX)
1913	..(31)	2923	2928	2918	2917	2886	2864	2855	2803	2759	2859	2881	2870 (XX)
1914	2989	..(28)	3017	2892	2905	2889	2889	2862	2827	2818	2737	2895	2874 (XX)
1915	2946	2988	2815	2951	2841	2883	2834	2842	2849	2850	2755	2819	2864 (XX)
1916	2970	2953	2762	2899	2952	2867	2895	2849	2817	2839	2858 (XX)	2819	2870 (XX)
1917	..(31)	2807	2927	2871	2861	2896	2847	2882	2880	2857	2904	2849	2870 (XX)
1918	2791	2954	2878	2865	2884	2891	2859	2808	2868	2843	2817	2964 (XX)	2867
1919	2939	2856 (XX)	2930	2882	2884	2804	2818	2769	2718	2793	2756	2897	2838
1920	2972 (XX)	2870	2955	2898	2828	2893	2903	2857	2851	2837	2815	2829	2875
1921	2922	2838	2878	2896	2888	2867	2842	2851	2812	2710	2752	2895	2846
1922	2904	2884	2879	2946	2954	2882 (XX)	2923	2873	2890	2745	2833	2897	2871
1923	3007	2982	2868	2864	2880	2870	2864	2846	2926	2884	2879 (XX)	2975	2900
1924	2912 (XX)	2817 (XX)	2745 (XX)	2846	2814	2878	2874	2899	2864	2830	2832	2928	2850
1925	2972 (XX)	2962	2860 (XX)	2970 (XX)	2930	2864	2859	2816	2775	2769 (XX)	2838 (XX)	2719 (XX)	2867
1926	2807 (XX)	2859 (XX)	2865	2889	2858 (XX)	2788	2741	2686	2645	2608 (XX)	2736	2853	2777
1927	2941	2914	2885	2885	2812	2822	2892	2826	2825	2728	2767 (XX)	2780 (XX)	2848
1928	3007 (XX)	3002 (XX)	2873	2861	2879	2802	2794	2830	2769 (XX)	2819	2847 (XX)	2857	2860
1929	2919 (XX)	2933	2880	2893	2949 (XX)	2993	2963 (XX)	2850	2851	2896	2929 (XX)	2893	2911
1930	2870	2894	2892	2852	2844	2819	2797	2796 (XX)	2752	2722	2735	2796	2814
1931	2847	3186	2875 (XX)	2916 (XX)	3041 (XX)	2824 (XX)	2815	2816	2816	2639	2713	2814 (XX)	2863
1932	2870	2870	2766 (XX)	2872	2874	2845	2824 (XX)	2781	2734	2793 (XX)	2740 (XX)	2745 (XX)	2804
1933	2801 (XX)	2863 (XX)	2934 (XX)	2906 (XX)	2861 (XX)	2899	2899	2789	2843 (XX)	2688 (XX)	2610	2722	2817
1934	2876	2804	2820	2744	2744	2740	2718 (XX)	2793 (XX)	2730	2778	2749 (XX)	2934 (XX)	2778
1935	2840	2929	2902 (XX)	2919	2801	2841	2782	2744 (XX)	2789	2782	2769	2854 (XX)	2822
1936	2760 (XX)	2709 (XX)	2762 (XX)	2760	2781	2818	2816	2702 (XX)	2725 (XX)	2731 (XX)	2741	2798	2760
1937	2826 (XX)	2833 (XX)	2911	2920	2901	2830	2830	2803 (XX)	2643 (XX)	2593	2570 (XX)	2687	2788
1938	2771 (XX)	2737 (XX)	2695	2594 (XX)	2908 (XX)	2828	2897	2854	2834	2814	2815	2824 (XX)	2803
1939	2851	2947 (XX)	2885	2888 (XX)	2862	2857	2827	2836	2787	2754	2869	2813	2847

PORTUGAL (CONTINUED)

LAGOS (CONTINUED)		37 06 N 08 40 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1940	-2757 (XX)	-2985 (XX)	-3120 (XX)	-3253	-3006	-3013 (XX)	-2914	-2953	-3043 (XX)	-3070 (XX)	-3226 (XX)	-3164 (XX)	-3070
1941	-2936 (XX)	-2960 (XX)	-3011 (XX)	-2994	-3086	-3048	-2843 (XX)	-2826	..(30)	..(30)	..(30)	-2850 (XX)	-2943 (XX)
1942	-2906 (XX)	-2827	-2791	-2825	-2860	-2782 (XX)	-2807 (XX)	-2790 (XX)	-2737	-2679	-2629	-2761 (XX)	-2781
1943	-2833 (XX)	-2912	-2747 (XX)	-2776	-2830	-2781 (XX)	-2813	-2750	-2741	-2723	-2789	-2799	-2790
1944	-2888	-2820 (XX)	-2820	-2818 (XX)	-2830	-2774 (XX)	-2774	-2763	-2762	-2765	-2762	-2793	-2789
1945	-2832 (XX)	-2956 (XX)	-2888 (XX)	-2740 (XX)	-2808 (XX)	-2773 (XX)	-2808 (XX)	-2829 (XX)	-2795 (XX)	-2743 (XX)	-2692 (XX)	-2792 (XX)	-2815
1946	-2805	-2897 (XX)	-2807 (XX)	-2773	-2750 (XX)	-2810 (XX)	-2758	-2804 (XX)	-2806	-2739	-2716	-2862	-2793
1947	-2831 (XX)	-2747 (XX)	-2759	-2844 (XX)	-2778 (XX)	-2818 (XX)	-2776 (XX)	-2792 (XX)	-2762	-2749	-2756	-2816	-2783
1951	-2839	-2858	-2764 (XX)	-2808 (XX)	-2814 (XX)	-2780	-2782	-2831 (XX)	-2796	-2798	-2772 (XX)	-2777 (XX)	-2802
1952	-2920 (XX)	-2917 (XX)	-2871	-2923	-2859	-2869	-2908	-2911	-2846 (XX)	-2821 (XX)	-2773	-2877 (XX)	-2874
1953	-2909 (XX)	-2791 (XX)	-2975 (XX)	-2838 (XX)	-2951 (XX)	-2838 (XX)	-2898 (XX)	-2832 (XX)	-2836 (XX)	-2910 (XX)	-2777 (XX)	-2715 (XX)	-2852
1954	-2892 (XX)	-2863 (XX)	-2917 (XX)	-2892 (XX)	-2806 (XX)	-2819	-2875	-2860 (XX)	-2840	-2754 (XX)	-2666 (XX)	-2825	-2833
1955	-2823 (XX)	-2817	-2760	-2802	-2831	-2831 (XX)	-2781 (XX)	-2758 (XX)	-2755 (XX)	-2655	-2636	-2846 (XX)	-2768
1956	-2823 (XX)	-2815 (XX)	-2844 (XX)	-2817 (XX)	-2994 (XX)	-2891 (XX)	-2873 (XX)	-2845	-2806 (XX)	-2728 (XX)	-2810 (XX)	-2859 (XX)	-2840
1957	-2833 (XX)	-2894 (XX)	-2826 (XX)	-2831 (XX)	-2826 (XX)	-2842	-2772 (XX)	-2786 (XX)	-2769 (XX)	-2777	-2751 (XX)	-2752 (XX)	-2801
1958	-2838	-2824 (XX)	-2858 (XX)	-2869	-2835	-2835	-2866	-2806	-2809 (XX)	-2777	-2772	-2725	-2820
1959	-2774 (1)	-2850 (3)	-2911 (1)	-2841	-2846	-2846	-2804	-2796	-2783	-2769	-2770	-2944	-2827
1960	-2821	-2766	-2792 (2)	-2821 (1)	-2812	-2783	-2819	-2825	-2744	-2744	-2793 (2)	-2875	-2803
1961	-2939	-2920	-2810 (1)	-2857	-2765 (2)	-2798	-2784 (2)	-2750	-2755	-2796	-2693	-2714	-2799
1962	-2829	-2886	-2757 (2)	-2841	-2868	-2783	-2818	-2806	-2767 (5)	..(30)	..(30)	..(31)	-2817 (XX)

THESE DATA REPLACE ALL PREVIOUSLY PUBLISHED DATA.

GIBRALTAR

GIBRALTAR		36 07 N 05 21 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	..(31)	..(28)	..(31)	..(30)	..(30)	..(31)	828	868	863	832 (1)	949	879	832
1962	791	743	859	779	779	805	813	855	821	907	921	871	832
1963	938 (3)	828	677	768	781	799	826	781	863	821	841	933	818
1964	835	792	808	761	770	815	800	835	863	786	826	832	810

SPAIN (SOUTH & EAST COASTS)

ALICANTE		38 20 N 00 29 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	-3356	-3428	-3286	-3394	-3390	-3370	-3312	-3346	-3204	-3204	-3180	-3303 (1)	-3317
1963	-3224	-3309	-3429	-3429	-3381	-3303	-3313	-3314	-3293	-3293	-3237	-3168	-3309
1964	-3437	-3386	-3302	-3370	-3384	-3309	-3330	-3278	-3290	-3279	-3302	-3281	-3329

SETE		43 24 N 03 42 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	39	137	172	25	108	89	51	88	104	259	189	124	116
1961	49	-51	-79	55	81	68	17	15	102	161	267	141	69

PORT DE BOC		43 24 N 04 59 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	146	..(29)	178	80	113	90	60	105	127	283	231	180	145 (XX)
1961	104	-4	-85	77	105	134	45	57	80	163	264	202	95
1962	..(31)	..(28)	..(31)	..(30)	..(30)	..(31)	20	38	60	215	224	254	92 (XX)
1963	175	108	16	61	6	109	60	-1	64	127	250	254	102

DATUM CHANGE. SEE TABLE A.

FRANCE (SOUTH COAST) (CONTINUED)

MARTIGUES		FRANCE (SOUTH COAST) (CONTINUED)										05 03 E MEAN						
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	43 24 N DEC.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.
1960	128	181	163	74	115	107	74	80	25	202	245	183	183	245	183	127	127	127
1961	188	-12	-67	108	140	151	75	68	130	185	293	237	237	293	237	131	131	131
1962	160	-28	299	76	49	76	95	75	126	196	290	125	125	290	125	128	128	128
1963	272	187	35	119	49	161	109	58	122	175	289	221	221	289	221	150	150	150
MARSEILLE												05 21 E MEAN						
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.
1960	215	216	185	80	115	102	87	122	154	302	239	213	213	239	213	169	169	169
1961	149	7	-39	98	124	123	68	67	104	189	294	222	222	294	222	117	117	117
1962	165	19	175	71	55	79	88	70	123	187	287	168	168	287	168	124	124	124
1963	256	213	54	133	61	137	83	69	118	129	337	280	280	337	280	156	156	156
CORRIEUNDEUM FOR 1894												05 21 E MEAN						
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.
1962	-43	-83	94	-1	-21	-39	50	18	51	73	207	62	62	207	62	31	31	31

MONACO

MONACO (CONDAMINE)		MONACO										05 03 E MEAN						
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.
1956	47	62	3	25	-42	-18	22	43	32	-8	34	94	94	34	94	24	24	24
1957	-40	-64	-44	-46	-36	5	31	10	-9	20	86	92	92	86	92	0	0	0
1958	22	-51	47	21	-69	-18	-20	2	-18	13	-36	**	**	-36	**	-10	-10	-10
1959	30	-4	77	12	25	49	26	56	58	34	157	163	163	157	163	81	81	81
1960	91	111	67	5	18	23	51	74	71	174	185	106	106	185	106	25	25	25
1961	40	-60	-115	6	74	66	29	32	11	80	138	**	**	138	**	25	25	25
1962	-43	-83	94	-1	-21	-39	50	18	51	73	207	62	62	207	62	31	31	31
MONACO												05 03 E MEAN						
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.	43 18 N DEC.	NOV.	DEC.
1902	506	571	470	503	432	464	428	492	477	596	553	552	552	553	552	503	503	503
1903	475	491	470	492	449	516	470	440	468	511	559	668	668	559	668	496	496	496
1904	468	558	500	441	406	471	445	484	498	488	517	564	564	517	564	464	464	464
1905	402	356	423	483	452	472	457	477	467	546	614	417	417	614	417	464	464	464
1906	459	473	482	443	486	444	461	444	456	522	526	519	519	526	519	476	476	476
1907	378	437	404	369	427	423	417	412	440	561	581	540	540	581	540	451	451	451
1908	458	540	502	482	477	436	417	460	455	471	489	514	514	489	514	475	475	475
1909	472	518	547	456	465	463	356	377	478	463	563	599	599	563	599	480	480	480
1910	467	531	528	544	478	480	444	441	463	527	538	588	588	538	588	502	502	502
1911	445	506	495	461	464	360	418	426	459	507	536	923	923	536	923	500	500	500
1912	534	514	477	513	486	449	426	505	542	489	513	466	466	513	466	494	494	494
1913	502	571	425	496	425	418	448	440	507	594	512	500	500	512	500	487	487	487
1914	537	466	495	446	464	504	534	474	507	513	600	559	559	600	559	508	508	508
1915	560	556	527	479	455	498	494	493	445	436	495	458	458	495	458	488	488	488
1916	335	479	643	431	450	421	421	455	464	503	582	603	603	582	603	482	482	482
1917	594	519	445	461	432	365	427	457	411	529	394	508	508	394	508	462	462	462
1918	491	337	443	534	460	428	436	470	450	416	437	619	619	437	619	460	460	460
1919	634	656	601	590	526	489	542	565	587	601	672	550	550	672	550	584	584	584
1920	523	465	513	544	449	473	509	436	529	572	609	552	552	609	552	515	515	515
1921	486	503	491	519	461	466	499	444	493	541	614	572	572	614	572	508	508	508

ITALY (WEST COAST)														
GENOVA	44 24 N 08 54 E													
	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1884	-3123	-3087	-3026	-2966	-2990	-2976	-2976	-2976	-2976	-2986	-3014	-2968	-3013	
1885	-3109	-3092	-3045	-3013	-3020	-2972	-3020	-3020	-2927	-2882	-2913	-2882	-3000	
1886	-2946	-3077	-3035	-3044	-2959	-3035	-3012	-2999	-2999	-2951	-2940	-2887	-2994	
1887	-3033	-3170	-3085	-3021	-3045	-3039	-3015	-2974	-2970	-2956	-2846	-2918	-3006	
1888	-3077	-2972	-3045	-2942	-3045	-3004	-2865	-3000	-2990	-2962	-2982	-3015	-2990	
1889	-3066	-3004	-2974	-2954	-2975	-2962	-2966	-2998	-2952	-2880	-3049	-2937	-2989	
1890	-3090	-3045	-2974	-2964	-2938	-3028	-3004	-2992	-3058	-3046	-2929	-3044	-3007	
1891	-3043	-3182	-3002	-2956	-2941	-2992	-3004	-3008	-3043	-2881	-3009	-3029	-2979	
1892	-2909	-2909	-2961	-2956	-3013	-2997	-2883	-3000	-2941	-2944	-2979	-3015	-2994	
1893	-2957	-3032	-2983	-2944	-3006	-2997	-2883	-3000	-2941	-2944	-3004	-2984	-3026	
1894	-3068	-3168	-3107	-3031	-2985	-3037	-3009	-3014	-2885	-2876	-2994	-2984	-3026	
1895	-2865	-2958	-2958	-2991	-3047	-3015	-2982	-3013	-3055	-2876	-2994	-2984	-3026	
1896	-3086	-3168	-3086	-2979	-3033	-2981	-2986	-3013	-2963	-2881	-2888	-2880	-3000	
1897	-2909	-3052	-3026	-2994	-2931	-2978	-2963	-2988	-2966	-2852	-2903	-3040	-2991	
1898	-3158	-3036	-2992	-2957	-2952	-2948	-3003	-2988	-2966	-2852	-2903	-3009	-2988	
1899	-2992	-3012	-3101	-3015	-3002	-3006	-3008	-2989	-2904	-2953	-3027	-2948	-2996	
1900	-2917	-2864	-2956	-2926	-2921	-2990	-2993	-2959	-3018	-2948	-2863	-2983	-2951	
1901	-3067	-3009	-2962	-2996	-3021	-2990	-3018	-3002	-2909	-2916	-2822	-2878	-2972	
1902	-3032	-2877	-2991	-2939	-2988	-2956	-3018	-2935	-2970	-2870	-2944	-2944	-2955	
1903	-3024	-3163	-3070	-3020	-2974	-2904	-2956	-2982	-2981	-2916	-2922	-2836	-2973	
1904	-3019	-2896	-2970	-3020	-3027	-2956	-2966	-2972	-2967	-2967	-2858	-2952	-2974	
1905	-3085	-3126	-3032	-2977	-2991	-2953	-2972	-2983	-3008	-2946	-2907	-2946	-2987	
1906	-3050	-3032	-3005	-3054	-2958	-2977	-2972	-2983	-3008	-2863	-2898	-2912	-3020	
1907	-3259	-3135	-3118	-2982	-3015	-2999	-3007	-2980	-3066	-3021	-2973	-2980	-3018	
1908	-3036	-3120	-3035	-2992	-3039	-2999	-2996	-2967	-3054	-3021	-2973	-2980	-3018	
1909	-3078	-3039	-3045	-2957	-3045	-3016	-3013	-2988	-2973	-2949	-2862	-2878	-2982	
1910	-3001	-2967	-2925	-2940	-2925	..(30)	..(31)	..(31)	..(30)	..(30)	..(31)	..(30)	..(31)	-2977(XX)
1928	-3042	-2875	-2920	-2941	-2993	-2941	-2993	-2922	-2914	-2923	-2831	-2929	-2935(XX)	
1929	-2992	-3005	-2989	-2956	-2980	-2965	-2980	-2965	-2963	-2907	-2831	-2929	-2986(XX)	
1930	..(31)	..(28)	-2926	-2954	-2892	-2953	-2892	-2953	-2932	-2899	-2914	-2912	-2912(XX)	
1931	-2958	-2953	-2970	-2965	-2940	-2965	-2940	-2952	-2958	-2953	-2892	-3053	-2950	
1932	-3071	-3085	-2959	-2962	-2974	-2962	-2974	-2965	-2900	-2854	-2913	-2983	-2970	
1933	-3006	-2961	-2929	-2985	-2929	-2985	-2929	-2965	-2900	-2854	-2815	-2868	-2935	
1934	-3033	-3125	-2932	-2944	-2988	-2932	-2927	-2933	-2971	-2854	-2815	-2843	-2948	
1935	-2966	-2872	-2961	-2950	-2961	-2990	-2970	-2903	-2965	-2868	-2831	-2823	-2940	
1936	-2826	-2835	-2877	-2871	-2911	-2903	-2907	-2978	-2923	-2903	-2903	-3010	-2904	
1937	-3001	-2843	-2984	-2900	-2984	-2934	-2924	-2902	-2868	-2868	-2804	-2825	-2889	
1938	-2990	-3049	-2965	-2988	-2978	-2988	-2978	-2925	-2934	-2914	-2923	-2895	-2977	
1939	-2870	-3032	-2988	-2927	-2988	-2927	-2923	-2919	-2880	-2825	-2903	-2895	-2925	
1940	-2897	-2898	-2885	-2968	-2885	-2923	-2915	-2950	-2947	-2834	-2826	-2986	-2918	
1941	-2811	-2814	-2921	-2933	-2921	-2933	-2910	-2993	-2947	-2834	-2879	-3052	-2916	
1942	-2983	-2914	-2965	-2934	-2951	-2934	-2944	-2951	-2914	-2851	-2862	-2932	-2927	
1943	-2940	-3045	-2999	-2963	-2965	-2963	-3079	-2910	..(30)	-2875	-2867	-2941	-2968(XX)	
1944	-3037	-2984	-2957	-2903	-2999	-2903	-3079	-2922	-2947	-2851	-2867	-2926	-2941	
1945	-2899	-3049	..(31)	..(30)	..(30)	..(31)	..(30)	-2949	-2978	-2952	-2855	-2817	-2952(XX)	
1962	-3215(4)	-3317(3)	-3167	-3266(4)	-3272	-3215(2)	-3235	-3191(2)	-3182	-3082	-3190	-3190	-3216	
1963	-3101(4)	-3145	-3318(14)	-3238(5)	-3256	-3232(4)	-3200(5)	-3209(2)	-3210	-3043	-3103	-3103	-3186	

THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

ITALY (EAST COAST)

PORTO CORSINI		CORRIGENDUM FOR 1948												CORRIGENDUM FOR 1955		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	44	30 N	12	17 E
1962	1084	923	1113	1003	1000	973	1023	1005	1125	1149	1308	1160	NOV.	DEC.	MEAN	MEAN
1963	1258	1297	1102	1197	1132	1163	1131	1097	1168	1223	1368	1268	1142	1193	1096	
1964	866	1047	1214	1094	1030	1133	1065	1103	1036	1236						
CORRIGENDUM FOR 1948		ANNUAL MEAN 93.73												CORRIGENDUM FOR 1955		
CORRIGENDUM FOR 1951		JULY 97.46, AUGUST 94.08, NOVEMBER 114.71, DECEMBER 87.56, ANNUAL MEAN 103.18												CORRIGENDUM FOR 1955		
CORRIGENDUM FOR 1955		FEBRUARY 119.8												CORRIGENDUM FOR 1955		

VENICE (PUNTA DELLA SALUTE)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	45	46 N	12	20 E
1955	1713	1835	1697	1852	1593	1634	1692	1659	1691	1779	1750	1696	NOV.	DEC.	MEAN	MEAN
1956	1681	1695	1625	1659	1598	1636	1655	1706	1624	1625	1718	1576	1641	1641	1641	1641
1957	1598	1605	1536	1580	1653	1627	1650	1641	1647	1672	1771	1711	1692	1692	1692	1692
1958	1670	1615	1696	1704	1594	1678	1674	1689	1663	1689	1739	1694	1692	1692	1692	1692
1959	1700	1385	1632	1680	1645	1643	1639	1619	1623	1633	1787	1889	1656	1656	1656	1656
1960	1746	1721	1799	1645	1666	1657	1701	1715	1762	1912	1871	1878	1757	1757	1757	1757
1961	1737	1597	1540	1723	1744	1714	1695	1666	1659	1801	1871	1778	1711	1711	1711	1711
1962	1725	1578	1774	1640	1654	1626	1685	1671	1724	1717	1908	1760	1706	1706	1706	1706
1963	1800	1850	1611	1710	1649	1718	1664	1656	1692	1716	1892	1799	1744	1744	1744	1744
1964	1422	1576	1702	1624	1581	1691	1608	1669	1599	1801	1678	1756	1642	1642	1642	1642

TRIESTE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	45	39 N	13	45 E
1945	1705	1411	1374	1523	1570	1610	1572	1620	1550	1541	1640	1695	NOV.	DEC.	MEAN	MEAN
1946	1432	1491	1614	1473	1661	1572	1557	1596	1571	1599	1679	1582	1572	1572	1572	1572
1947	1474	1762	1743	1513	1566	1572	1600	1592	1585	1505	1669	1669	1604	1604	1604	1604
1948	1730	1502	1326	1508	1608	1615	1578	1575	1607	1607	1550	1490	1559	1559	1559	1559
1949	1421	1282	1390	1406	1522	1520	1508	1491	1537	1573	1794	1589	1503	1503	1503	1503
1950	1470	1555	1451	1612	1489	1503	1535	1556	1572	1564	1714	1807	1569	1569	1569	1569
1951	1702	1775	1688	1550	1697	1650	1589	1585	1620	1619	1816	1521	1651	1651	1651	1651
1952	1631	1600	1555	1514	1584	1586	1561	1585	1623	1646	1671	1685	1603	1603	1603	1603
1960	1648	1618	1632	1520	1554	1588	1616	1643	1665	1870	1803	1772	1661	1661	1661	1661
1961	1619	1539	1442	1629	1660	1542	1480	1563	1565	1749	1786	1669	1603	1603	1603	1603
1962	1623	1473	1654	1553	1553	1515	1585	1575	1613	1621	1790	1628	1598	1598	1598	1598
1963	1651	1731	1556	1645	1583	1671	1589	1604	1628	1624	1834	1690	1650	1650	1650	1650
1964	1371	1514	1634	1557	1520	1626	1544	1590	1525	1692	1605	1683	1572	1572	1572	1572

YUGOSLAVIA

KOPER		CORRIGENDUM FOR 1955														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	45	33 N	13	44 E
1962	2137	1923	2097	2083	2098	2061	2111	2107	2157	2147	2377	2130	NOV.	DEC.	MEAN	MEAN
1963	2191	2281	2097	2183	2139	2021	2134	2138	2156	2164	2368	2236	2192	2192	2192	2192
1964	1893	2046	2173	2100	2053	2143	2080	2112	2076	2251	2132	2211	2106	2106	2106	2106
CORRIGENDUM FOR 1955		FEBRUARY 119.8														
CORRIGENDUM FOR 1955		FEBRUARY 119.8														

ROVINJ		CORRIGENDUM FOR 1955														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	45	05 N	13	38 E
1962	1009	866	1045	929	929	902	972	957	1003	1009	1173	1030	NOV.	DEC.	MEAN	MEAN
1963	1077	1118	922	1010	946	1022	962	962	996	1020	1200	1102	1027	1027	1027	1027
1964	743	899	1025	927	887	986	916	972	904	1094	980	1048	949	949	949	949

YUGOSLAVIA (CONTINUED)

BAKAR	45	18	N	14	32	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	767	605	789	692	683	638	702	678	717	731	920	785	726
1963	821	885	699	785	714	781	700	708	734	737	959	836	780
1964	476	652	784	693	634	725	651	697	651	848	722	803	693
CORRIGENDUM FOR 1963													
ANNUAL MEAN 79.4													
SPLIT RT MARJANA	43	30	N	16	23	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	783	645	872	734	714	694	742	710	761	787	946	848	769
1963	904	956	738	804	740	796	723	703	749	787	915	887	808
1964	539	666	801	700	651	744	664	700	650	815	764	839	711
CORRIGENDA FOR 1960													
DECEMBER 91.2, ANNUAL MEAN 78.8													
SPLIT HARBOUR	43	30	N	16	26	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	642	498	698	580	560	520	584	551	601	630	800	701	615
1963	749	803	578	645	582	635	560	541	590	629	754	731	649
1964	394	523	648	545	493	587	504	546	496	661	609	684	558
DUBROVNIK	42	40	N	18	04	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1148	1017	1208	1086	1052	1031	1100	1073	1134	1158	1288	1214	1126
1963	1266	1319	1088	1157	1100	1162	1081	1063	1120	1144	1250	1242	1165
1964	916	1038	1156	1058	1011	1110	1031	1074	1025	1172	1126	1176	1075
BAR	42	05	N	19	04	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	914	914	914	914	914	914	914	914	914	914	914	914	914
GAUGE INSTALLED 1964.													
PORT TUAPSE	44	06	N	39	04	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1917	4660	4730	4680	4740	4790	4830	4710	4720	4640	4490	4500	4570	4670
1918	4500	4490	4440	4480	4520	4510	4540	4540	4510	4500	4510	4500	4503
1919	4550	4610	4680	4700	4760	4820	4840	4760	4680	4620	4650	4710	4698
1921	4740	4710	4590	4600	4680	4690	4680	4650	4570	4480	4380	4300	4389
1922	4380	4380	4340	4390	4500	4560	4530	4530	4460	4330	4360	4390	4427
1922	4520	4570	4550	4650	4740	4790	4780	4690	4620	4550	4660	4660	4648
1923	4650	4670	4690	4710	4720	4720	4750	4590	4510	4500	4540	4660	4635
1924	4690	4680	4660	4710	4770	4790	4710	4670	4620	4620	4540	4668	4668
1925	4430	4350	4450	4540	4600	4630	4680	4640	4550	4500	4530	4710	4551
1926	4620	4650	4690	4670	4750	4770	4810	4720	4640	4510	4530	4590	4683
1927	4620	4650	4680	4680	4690	4710	4710	4690	4610	4550	4510	4580	4652
1928	4580	4580	4510	4540	4630	4710	4690	4690	4520	4450	4460	4600	4569
1929	4580	4540	4480	4480	4610	4720	4730	4640	4590	4500	4510	4520	4575
1930	4480	4480	4470	4560	4660	4690	4670	4660	4560	4520	4560	4570	4573
1931	4620	4640	4710	4710	4750	4820	4860	4780	4640	4600	4610	4620	4697
1932	4550	4570	4530	4630	4800	4860	4860	4830	4660	4600	4630	4620	4658
1933	4470	4500	4520	4580	4660	4710	4810	4750	4640	4630	4680	4740	4680
1934	4700	4620	4530	4610	4680	4690	4660	4690	4650	4510	4630	4520	4616
1935	4540	4570	4620	4620	4690	4700	4680	4610	4510	4500	4610	4610	4605
1936	4700	4710	4750	4730	4740	4770	4810	4760	4650	4670	4700	4690	4723

SOVIET UNION (BLACK SEA)

SOVIET UNION (BLACK SEA) (CONTINUED)

PORT	TUAPSE	(CONTINUED)	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	44	06	N	39	04	E
YEAR	JAN.	FEB.															MEAN	
1937	4660	4680	4690	4750	4780	4770	4740	4720	4690	4630	4620	4720					4704	
1938	4700	4720	4730	4750	4770	4770	4750	4690	4660	4600	4600	4590					4695	
1939	4650	4660	4610	4630	4670	4730	4810	4790	4710	4660	4650	4710					4692	
1940	4730	4730	4710	4720	4800	4880	4910	4830	4680	4630	4650	4770					4753	
1941	4790	4810	4880	4870	4920	4950	4970	4910	4780	4730	4720	4750					4840	
1942	..(31)	..(28)	..(31)	4690	4810	4840	4860	4910	4780	4730	4720	4750					..(31)	
1943	4680	4630	4550	4570	4600	4650	4650	4610	4590	4540	4590	4630					4608	
1944	4650	4700	4750	4810	4790	4800	4820	4730	4600	4590	4720	4720					4720	
1945	4750	4720	4710	4670	4680	4760	4740	4670	4580	4560	4510	4590					4662	
1946	4610	4670	4660	4690	4730	4790	4770	4690	4620	4540	4550	4590					4659	
1947	4600	4590	4650	4730	4710	4690	4710	4650	4540	4590	4560	4650					4648	
1948	4700	4810	4810	4710	4710	4790	4790	4750	4690	4600	4560	4520					4703	
1949	4500	4510	4500	4560	4550	4620	4640	4660	4650	4530	4510	4580					4568	
1950	4680	4630	4650	4650	4710	4670	4650	4580	4680	4580	4530	4560					4614	
1951	4730	4700	4730	4780	4850	4870	4840	4750	4670	4530	4490	4570					4709	
1952	4600	4670	4700	4730	4710	4740	4720	4690	4550	4560	4630	4700					4667	
1953	4770	4860	4860	4730	4790	4810	4820	4730	4640	4550	4520	4460					4711	
1954	4520	4530	4530	4550	4640	4710	4760	4700	4630	4610	4610	4680					4623	
1955	4700	4770	4810	4810	4770	4770	4840	4860	4740	4680	4740	4720					4768	
1956	4760	4770	4770	4740	4820	4800	4820	4700	4660	4560	4590	4590					4715	
1957	4590	4570	4630	4570	4640	4680	4670	4640	4570	4490	4520	4580					4596	
1958	4650	4710	4750	4840	4840	4890	4890	4760	4670	4580	4510	4490					4715	
1959	4660	4700	4610	4610	4660	4690	4710	4710	4620	4500	4550	4600					4635	
1960	4670	4650	4720	4720	4700	4740	4770	4800	4700	4650	4730	4740					4716	
1961	4820	4760	4710	4680	4730	4810	4810	5000	4590	4510	4580	4650					4721	
1962	4700	4730	4760	4820	4790	4800	4770	4700	4590	4550	4560	4620					4697	
1963	4780	4800	4830	4840	4850	4870	4840	4780	4640	4550	4560	4630					4748	
1964	4570	4540	4610	4650	4740	4770	4750	4690	4630	4580	4580	4630					4645	

THESE DATA REPLACE ALL PREVIOUSLY PUBLISHED DATA.

TURKEY

TRABZON	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	41	00	N	39	43	E
YEAR	JAN.	FEB.																MEAN	
1960	-2708	-2694	-2651	-2667	-2709	-2629	-2629	-2595	-2604	-2705	-2798	-2701	-2693					-2680	
1961	-2515	-2650	-2612	-2609	-2563	-2481	-2481	-2486	-2595	-2709	-2782	-2735	-2644					-2607	
1962	-2602	-2577	-2545	-2485	-2492	-2455	-2455	-2512	-2592	-2656	-2685	-2597	-2557					-2563	
1963	-2435	-2528	-2523	-2494	-2483	-2485	-2485	-2469	-2586	-2677	-2743	-2750	-2680					-2571	
1964	-2666	-2734	-2679	-2604	-2532	-2490	-2490	-2480	-2545	-2648	-2648	-2681	-2700					-2617	
CORRIEENDUM FOR 1959																			
JUNE 2.731																			
SAMSUN	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	41	17	N	36	20	E
YEAR	JAN.	FEB.																MEAN	
1961	..	..	..	..	..	..	-1834	(7)	-1878	(1)	-1948	-2094	-2037					-1755
1962	-1936	-1922	..	-1880	-1841	-1839	-1839	-1891	-1944	-2012	-2098	-2063	-2030					-1940	
1963	-1894	-1876	-1861	-1834	-1805	-1805	-1805	-1807	-1937	-2031	-2079	-2106	-2027					-1922	
1964	-2109	-2152	-2088	-2032	(9)	..(31)	-1931	(13)	..(31)	-2115	-2138	-2152	-2150					-2093	
GAUGE INSTALLED JUNE 1961																			

TURKEY (CONTINUED)

EREGLISI		41		17		31		25		E			
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	-3170	-3162	-3100	-3096	-3122	-3072	-3081	-3118	-3141	-3238	-3168	-3166	-3136
1961	-3046	-3100	-3186	-3158	-3052	-3052	-3095	-3180	-3292	-3301	-3308	-3209	-3171
1962	-3179	-3167	-3097	-3057	-3070(113)	** (30)	** (31)	** (31)	** (31)	** (30)	** (31)	** (31)	**

CORRIGENDUM FOR 1959 ALL VALUES 0.003 TOO LOW.

IZMIR		38		24		27		10		E			
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	-1233	-1230	-1268	-1365	-1305	-1291	-1219	-1214	-1253	-1215	-1170	-1265	-1252
1961	-1340	-1362	-1457	-1379	-1286	-1254	-1301	-1284	-1385	-1359	-1296	-1249	-1327
1962	-1363(6)	-1425(5)	-1193(6)	-1339	-1306	-1295	-1251	-1292(4)	-1296	-1343	-1279	-1306(10)	-1307
1963	-1324(3)	-1280(18)	-1489(4)	-1432(2)	-1448	-1372(7)	-1222(5)	-1238	-1256(1)	-1311	-1203	-1226	-1317
1964	-1450(11)	-1326(5)	-1272	-1316(1)	-1328	-1246(2)	-1247(3)	-1270	-1322(8)	-1257(1)	-1302	-1271	-1301

CORRIGENDA FOR 1959 APRIL 1.413, SEPTEMBER 1.353, DECEMBER 1.265

ANTALYA		36		53		30		42		E			
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	-1375	-1460	-1428	-1480	-1456	-1434	-1339	-1241	-1305	-1326	-1308	-1382	-1378
1961	-1409	-1393	-1528	-1446	-1414	-1356	-1312	-1257	-1365	-1404	-1373	-1275	-1378
1962	-1341	-1423	-1381	-1440	-1439	-1378	-1180(1)	-1201(1)	-1226	-1278	-1288	-1295(1)	-1322
1963	-1417	-1406	-1586	-1546	-1579	-1523	-1464	-1465	-1482	-1599	-1499	-1518	-1507
1964	-1804	-1666	-1584	-1644	-1666	-1502	-1450	-1416	-1510	-1542	-1567	-1534	-1574

ISKENDERUN		36		37		N		36		07		E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	-3128	-3203	-3162	-3190	-3152	-3092	-2974	-2972	-3004	-3044	-3038	-3058	-3093
1961	-3153	-3136	-3228	-3212	-3031	-3050	-2975	-2938	-3028	-3114	-3075	-3038	-3082
1962	-3205	-3240	-3199	-3240	-3246	-3185	-3061(1)	-3073	-3123	-3189	-3203	-3062	-3169
1963	-3043	-3052	-3206	-3172	-3184	-3107	-3037	-3053	-3101	-3207(1)	-3130	-3165	-3121
1964	-3448	-3290(1)	-3196	-3278	-3278	-3108	-3078	-3018	-3138	-3192(1)	-3208	-3223	-3201

CORRIGENDUM FOR 1959 FEBRUARY 3.293

CORRIGENDUM FOR PUB. SCI. NO. 24 UNIT 1 METRE.
ALL PREVIOUSLY PUBLISHED VALUES FOR TURKEY SHOULD HAVE BEEN NEGATIVE.

ISRAEL (MEDITERRANEAN COAST)

JAFFA		32		03		N		34		45		E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	** (31)	** (28)	66	** (31)	** (31)	106	198	208	161	109(8)	98(9)	201	**
1963	220(4)	201(5)	66	69	50	106	200	192(8)	178	74(8)	151	275(25)	148
1964	-145(10)	138	94	-12	-38	98(19)	** (31)	203	153	102	28(12)	46(4)	55(XX)

ASHOOD		31		50		N		34		39		E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	GCT.	NOV.	DEC.	MEAN
1962	84	54	80	12	9	40	152	149	128	80	101	198	90
1963	190	224	70	99	66	155	245	232	178	71	157	189	156
1964	-175	9	103	26	-11	145	193	264	235	159	133	83	97

SPANISH MOROCCO

CEUTA		35 54 N 05'19 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1952	781	795	850	811	847	838(XX)	845(XX)	842	849	844	876(XX)	801(XX)	832
1953	822	781	798	893	863(XX)	918	850	899	919	922	882	967	875
1954	828	808(XX)	848	784	829	803	825	830	821	842	915	806	828
1955	863	868	868	788	798	825	877	869	878	944	991(XX)	884	873
1956	882	896	868	888	816	833	883	921	904	906	904	852	880
1957	832(XX)	811(XX)	870	874	881	856	899	893	918	973	944	852	893
1958	875	869	893	868	836	872	869	914	923	913	936	1019	899
1959	905	777	854	802	878	893	918	919	959	922	953	835	884
1960	891	931	928	878	928	966	928	944	938	1010	948	904	930
1961	819	808	851	894	928	959	847	847	864	857	977	898	882
1962	808	736	865	783	770	786	815	805	857	977	910	837	822
1963	955	882	731	824	805	854	829	809	833	817	905	966	851
1964	799	806	846	778	784	836	803	**	**	**	**	**	**

SIDI IFNI

SIDI IFNI		29 22 N 10 12 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1963	** (31)	** (28)	** (31)	2080	2132	2248	2380	2368	2342	2415	2363(1)	** (31)	**

AZORES

PONTA DELGADA		37 44 N 25 40 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	** (31)	** (28)	** (31)	** (30)	** (30)	** (30)	** (31)	** (31)	**	**	**	**	**
1963	1214	1170	1183	** (30)	1318	1308	1342	**	**	1400	1369	1330	**

ANGRA DO HEROISMO

ANGRA DO HEROISMO		38 39 N 27 14 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1229	1255	1208	1235	1229	1278	1304	1357	** (30)	** (31)	** (30)	** (31)	1262(XX)

HORTA

HORTA		38 32 N 28 38 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1317	1338	1286	1358	1312	1345	1345	1361	1385	1408	1376	1319	1346
1963	1237	1234	1252	1234	1305	1277	1286	1324	1352	1338	1339	1323	1292
1964	1296	1279	1241	1280	1277	1323	1338	1366	1377	1366	1383	1370	1325

SANTA CRUZ DAS FLORES

SANTA CRUZ DAS FLORES		39 27 N 31 08 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1251	1247	1204	1276	1321	1354	1332	1400	1242	1225	1249	1253	1279
1963	1246	1210	1202	1212	1217	1197	1167	1175	1212	1259	1259	1253	1215
1964	1169	1181	1112	1111	1121	1187	1160	1158	1197	1212	1236	1200	1170

CANNARY ISLANDS

SANTA CRUZ DE TENERIFE		28 29 N 16 14 W											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	3881	-3926	-3839	-3835	-3838	-3814	-3693	-3720	-3745	-3741	-3759	-3771	-3797
1963	3784	-3846	-3867	-3789	-3813	-3803	-3778	-3770	-3758	-3752	-3790	-3803	-3794
1964	3825	-3846	-3814	-3823	-3827	-3800	-3755	-3739	-3773	-3798	-3848	-3855	-3809

MEAN SEA LEVEL DATA (1962-1964)

SENEGAL												
DAKAR	14 40 N			17 25 W								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1960	-1427	-1413	-1448	-1446	-1363	-1339	-1210	-1218	-1231	-1222	-1218	-1319
1961	-1388	-1362	-1348	-1334	-1273	-1200	-1192	-1139	-1183	-1247	-1246	-1326
1962	-1389	-1354	-1387	-1354	-1316	-1293	-1266	-1230	-1285	-1258	-1242	-1261
1963	-1268	-1315	-1279	-1307	-1304	-1248	-1252	-1222	-1237	-1254	-1256	-1361
1964	-1373(5)	-1352(11)	-1378	-1391	-1289	-1248	-1176	-1184	-1221	-1238	-1250	-1317
GHANA												
TAKORADI	04 53 N			01 45 W								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	955	966	980	1018	980	934	839	852	873	1022	1073	989
1963	981	980	1025	1013	1056	996	900	911	930	1049	1136	1082
1964	1013	988	1007	1098	1056	961	898	906	923	951	1033	974
TEMA	05 37 N			00 00 E								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1963	853	852	885	877	914(7)	861	758	741	762	819(17)	919	868
1964	821	809	842	925	885	804	713(14)	675	683	749	826	791
FERNANDO POO												
SANTA ISABEL	03 44 N			08 48 E								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1963	1658	1626	1522	1599	1608	1560	1576(1)	1595(15)	1584(11)	..(31)	1640(1)	..(31)
FRENCH EQUATORIAL AFRICA												
POINTE NOIRE	04 47 S			11 50 E								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1959	168	171	176	84	4	-58	-70	-41	87	154	130	70
1960	87	163	183	218	76	-28	-28	6	94	197	158	131
SOUTH AFRICA												
WALVIS BAY	22 57 S			14 30 E								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	1702	1675	1704	1694(8)	1649	1639(10)	1590(13)	1601	1631	1661	1664(5)	1732
1963	1757(5)	1755(9)	1764	1733	1771	1689	1640(3)	1668(3)	1690	1706	1733(16)	1764
1964	1724	1709	1706	1703	1660	1608	1643(4)	1613	1643	1651(12)	1677(3)	1709
LUDERITZ	26 38 S			15 09 E								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	1628	1626	1631	1604	1565	1561	1515	1537	1540	1601	1571	1601
1963	1658	1639	1640	1626	1661	1591	1546	1574(5)	1621	1610	1643	1663
1964	1631	1638(10)	1590(4)	1598	1570	1526	1548	1505	1513	1553(2)	1542(5)	1617
PORT NOLLOTH	29 15 S			16 52 E								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	1448	1444	1443	1428	1388	1477	1396	1443	1377	1443	1409	1403
1963	1479	1428	1449	1418	1469	1427	1401	1414	1425	1421	1434	1442
1964	1405	1425	1385	1419	1401	1407	1397(17)	..(31)	..(30)	..(31)	1329(23)	1408(8)
STOMPNEUS BAY	32 43 S			17 59 E								
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	1637	1653(14)	1618(4)	1608	1551	1670	1548	1649(3)	1630(22)	1628(11)	1566	1569

SOUTH AFRICA (CONTINUED)

TABLE BAY HARBOUR (DUNCAN DOCK)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	942	947	924	853	853	1015	849	900(3)	864(3)	905	851	860(5)	903
1963	966	919	923	892	898	882	833	847	894	832	856	849	883
1964	798	850	781	720	686	693(5)	697(1)	676(16)	736	837	823	893(17)	765

SIMONS BAY

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1332	1338	1319	1314	1260	1351	1229	1291	1267(4)	1309	1289	1289	1299
1963	1349	1317	1307	1283	1334	1319	1290	1320	1341	1307	1326	1340	1319
1964	1281	1299	1262	1255	1251	1259(2)	1299(14)	1209	1205	1266	1269	1305	1262

HERMANUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1604	1631	1597	1597	1539	1677	1545	1604	1575	1599	1564	1551	1590
1963	1606	1584	1566	1543(4)	1602(1)	1591	1562(8)	1604(6)	1624(3)	1610(2)	1616	1631	1596
1964	1569	1599	1565	1545	1554	1583	1599	1542	1533	1593	1683(21)	1571(XX)	1571(XX)

MOSSEL BAY

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1489	1504(3)	1484(4)	1499(5)	1433	1574(12)	1440(3)	1512	1507	1516(2)	1476(1)	1502	1492
1963	1523(6)	1483	1423	1434	1508	1486(3)	1529(15)	1528(6)	1520(4)	1458	1481	1528(18)	1488(XX)
1964	1472	1488(3)	1455(3)	1461(7)	1444(4)	1464	1486(3)	1461(2)	1470(6)	1463(6)	1450(4)	1462(1)	1465

KNYSNA

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1237	1276	1236	1262	1199	1355	1205	1262	1228	1220	1203	1230	1242
1963	1257(15)	1217	1164	1189	1262(6)	1252	1280	1312(11)	1266	1207	1225	1230(21)	1235
1964	1198(12)	1205	1194	1207	1170	1214	1210(4)	1193(3)	1197	1195	1229	1237	1204

LOURENCO MARQUES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	2133	2193	2133	2132	2071	2032	1972	1970	2034	1955	2070	2067	2069
1962	2092	2103	2107	2111	2007	2051	1972	1988	2088	2084	2191	2067	2072
1963	2136	2144	2082	2131	2084	2011	2026	1949	1959	2004	2093	2093	2057
1964	2161	2178	2155	2058	1936	2024	2016	1988	1989	2017	2075	2099	2058

MOZAMBIQUE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1963	2167	2338	2213	2239	2248	2308	2368	2366	2492	2511	2406	2390	2339
1964	2269	2232	2204	2255	2365	2313	2337	2396	2388	2483	2447	2308	2333

MADAGASCAR

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	5558	5516	5432	5484	5517	5548	5539	5539	5528	5528	5510	5480	5511(XX)
1961	5436	5412	5441	5432	5509	5491	5526	5500	5522	5543	5392	5383(4)	5457
1962	5442(5)	5471	5449	5449	5516(3)	5515	5522	5562	5514	5476	5495	5433	5485
1963	5492	5451	5485	5505	5495	5617	5598	5595	5536	5541	5467	5480	5524
1964	5472	5429	5500	5485	5586	5574	5538	5562	5526	5514	5508	5421	5510

SEYCHELLES

PORT VICTORIA		04 37 S		55 27 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	917	1082(3)	1198(4)	1116	1042	933	975	1073	1113	997	896	856	..
1963	..(31)	..(31)	..(31)	..(30)	..(30)	..(31)	..(31)	..(31)	..(30)	..(31)	..(30)	..(31)	..

PORT LOUIS

PORT LOUIS		20 09 S		57 29 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1942	411	338	421	354	280	271	198	259	317	293	302	390	320
1943	415	387	323	268	250	180	162	155	238	253	195	177	253
1944	341	323	290	326	232	226	189	259	344	341	341	..(31)	288(XX)
1945	..(31)	469	402	..(30)	..(31)	244	247	265	338	247	375	329	319(XX)
1946	301	390	363	311	223	256	137	195	259	296	335	445	296
1947	539	381	329	308	280	320	347	302	259	274	320	354	331
1953	430	381	411	354	375	357	262	238	299(2)	329(19)	323	384	346
1954	451	427	479	418	305	241	271	271	244(2)	293(20)	332	378	346
1955	372	366	415	415	314	256	247	241	283	296	324	351	324
1956	384	338	369	347	427	317	268	375	363	344	369	408	360
1957	396	418	323	341	436	280	268	277	287	332	384	415	346
1958	396	439	399	424	277	277	241	274	296	213	223	430(1)	323
1959	509(6)	445	375	271	354	259	262	283	262	274(2)	332	332	327
1960	344	411(2)	463	415	363	296	277	235	235	226	408	457	343
1961	436	512	378	506	421	405	341	271	375	341	375	411	396
1962	405	451	485	469	372	241	332	259	320	290	411	381	368
1963	405	427	408	287	317	244	357	332	262	299	436	479	354

CHAGOS ARCHIPELAGO

DIEGO GARCIA		07 21 S		72 28 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	1094	1058	1033	1015	1018	994	991	1091	963	957	878	985	1006
1961	908	869(10)	924	936	920	975	1085	1042	1109	1244	1301	1244	1046
1962	1140	1067	1067	1052	1000	920	972(11)	957	1009(11)	1049(6)	981	1030(11)	1020
1963	972	1030(2)	1036	1119	1183(11)	1052	1222(11)	1079	..(30)	1219(11)	1314(11)	1192	1129(XX)
1964	1198(11)	1167(8)	1152(10)	..	..	..	..	..	..	..	..	..	..

MALDIVE ISLANDS

GAN		00 34 S		73 13 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	..(31)	948	1832	1884	1875	1820	1893(2)	..(31)	..(30)	..(31)	1838	1890	..
1963	1878	..	948	963	942	..	..	..	..	..	..	..	..

LACCADIVE ISLANDS

MINICOY		08 17 N		73 03 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1963	..	..	..	..	..	1053	1097	1010(XX)	956	942(XX)	1037	1050(XX)	..
1964	1049	1093	1154	1234	1116	1109	1148	1064	..(30)	..(31)	..(30)	1087(6)	..

GAUGE INSTALLED MAY 1963

TANZANIA													
MTWARA	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	10 17 S	40 13 E
YEAR											DEC.	MEAN	
1956	-308	-351	-335	..(30)	-360	-381	-494	-430	-387	-360	-402	-384(XX)	
1957	-351	-329	-311	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	..(30)	..(31)	-330(XX)	
1959	..(31)	..(28)	..(31)	-369	-375	-344	-418	-384	-399	-372	-341	-375(XX)	
1960	-445	-418	..(31)	-299	-293	-387	-415	-427	-347	-448	-338	-372	-381(XX)
1961	-332	-311	-293	-244	-311	..(30)	-366	-372	-418	-314	-320	-308	
1962	-293	-326	-314	-277	-335	-323	-363	-317	..(30)	..(31)	..(30)	-319(XX)	
TANGA	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	05 04 S	39 06 E
YEAR											DEC.	MEAN	
1962	..(31)	..(30)	..(31)	-247	..	..	..	-256	-259	-259	-314	-296,	
1963	-277	-305	-259	-247	-226	-305	-290	-293	-299	-268	-259	-277(XX)	
1964	-293	-238	-207	-183	-274	-262	-274	-277	-293	-296	-283	-274	-262
GAUGE ESTABLISHED 1962.													
KENYA													
KILINDINI	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	04 04 S	39 39 E
YEAR											DEC.	MEAN	
1964	..(31)	..(29)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	1954(11)	1957(12)	1954(1)	..
ISRAEL (GULF OF AKABA)													
EILAT	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
YEAR													
1962	-23	-18	42	-14	-112(6)	-164	-207	-211	-215	-81	78(23)	67(6)	-71
1963	26	37	-138	39	-87	-214	-269	-338(7)	-159(4)	-100(22)	-10	-171	-115
1964	144(2)	154(2)	236	183	35	81	-66	-28	-122	29	133	238	84
ADEN PROTECTORATE													
ADEN	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
YEAR													
1960	1350	1381	1442	1451	1454	1521	1326	1292	1289	1298	1396	1359	1380
1961	1436	1478	1527	1551	1585	1399	1292	1280	1286	1283	1314	1399	1404
1962	1354	1459	1475	1506	1475	1442	1332	1341	1286	1305	1371	1454	1394
1963	1487(1)	1509	1524(16)	1548	1588(5)	1466	1375	1366(1)	1341	1344	1436	1497	1451
1964	1497	1490	1478	1506	1533	1533	1360(15)	..(31)	1223(3)	1298	1335	1390	1412(XX)
MUSCAT AND OMAN													
MASIRA ISLAND	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	20 13 N	58 38 E
YEAR											DEC.	MEAN	
1961	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	..(31)	1268	1228	..
1962	1225	1283(14)	1274(2)	1280(3)	1289	1265(4)	1301(16)	..	..	..	..	..	..
PAKISTAN (WEST)													
KARACHI	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	24 48 N	66 58 E
YEAR											DEC.	MEAN	
1962	1622	1692	1704	1765	1771	1753	1719	1622	1664	1682	1759	1762	1709
1963	1707	1801	1804	1777	1786	1792	1746	1689	1637	1689	1762	1625	1734
1964	1603	1645	1698	..	..(30)	1759(1)	1731(6)	1792(5)	1701(5)	1567	1579	1615	1681(XX)

MEAN SEA LEVEL DATA (1962-1964)

INDIA

KANDLA		INDIA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	70	14	E	
													23	00	N	
* 1959	3833	3839	3858	3882	4059	3991	4048	4038	3886	3863	3882	3873	3933			
* 1960	3815	3879	3870	3914	3935	3939	3929	3849	3784	3720	3798	3833	3855			
* 1961	3739	3749(XX)	3806	3833	3893(XX)	3956	4012	3921	3905	3884	3912	3810	3869			
1962	3721	3770	3907	3896	3896	3909	3847	3810	3838	3810	3872	3862	3836			
1963	3821(XX)	3908	3962	3948	3962	3950	3927	3893	3853	3861	3937	3817	3902			
1964	3764	3835	3894	3997	3969	4030	3958	3971	3859	3751	3755	3817	3880			

GAUGE RE-SITED IN JULY 1963.

VERAVAL		INDIA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	20	53	N	
													22	E		
* 1959	1402(5)	1351	1337(XX)	1347	1468	1468	1328(XX)	1380	1336	1377	1439	1428	1381			
* 1960	1378	1422	1346	1407(6)	1386(5)	1405(7)	1357	1240	1194	1222	1362	1380(XX)	1338			
* 1961	1361	1338	1337	1351	1323	1389	1401	1327(3)	1281	1305	1405	1405	1330			
1962	1325	1338	1273	1338	1304	1297	1305	1241	1251(2)	1366(3)	1434	1479	1330			
1963	1388	1443	1384	1351	1338(11)	1338(11)	1305	1283	1229	1334	1446	1323(5)	1330			
1964	1356	1356	1356	1423	1338(11)	1338(11)	1305	1283	1229	1334	1446	1323(5)	1330			

BHAVNAGAR		INDIA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	21	45	N	
													72	14	E	
* 1959	584	582	583	586	602	598	604	595	590	592	593	586	591			
* 1960	576	583	577	585	588	594	595	586	577	574	578	589	584			
* 1961	570	583	593	585	588	597	602	593	602	588	593	584	590(XX)			
1962	577	582	579	590	590	594	594	584	585	581	595	581	587			
1963	586	594	595	592	592	599	594	590	582	582	592	583	590			
1964	573	581	586	592	592	599	588	604	589	583	578	581	587			

BOMBAY (APOLLO BANDAR)

BOMBAY (APOLLO BANDAR)		INDIA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	18	55	N	
													72	50	E	
* 1959	2642	2595	2603	2616	2663	2540	2738	2595	2583	2563	2601	2650	2616			
* 1960	2621	2666	2589	2641	2539	2583	2626	2516	2466	2508	2586	2675	2584			
* 1961	2581	2536	2573	2575	2462	2614	2586	2467	2478	2526	2654	2587	2553			
1962	2529	2584	2529	2571	2502	2496	2567(XX)	2448	2382	2421	2531	2601	2513			
1963	2557	2610	2557	2503	2513	2564	2585	2617	2480	2460	2533	2538	2550			
1964	2498	2575	2591	2657	2471	2564	2585	2617	2480	2460	2509	2590	2550			

MANGALORE

MANGALORE		INDIA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	12	51	N	
													74	50	E	
* 1961	1077	1022	979	1037	952(7)	1095	1352(XX)	1131	968	1106(9)	1207	1134	1034			
1962	1115	1157	1068	1005	969	922	1201(XX)	1094	899	942	1075	1185	1034			
1963	955	1005	1021	1050	899	1013	1024	1099(XX)	869	942	1073	954	1014			
1964	955	1005	1021	1050	899	1013	1095	1131	926	899	920	1012	994			

INDIA (CONTINUED)

COCHIN		INDIA (CONTINUED)												76 15 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	632(XX)	
* 1956	726	704	700	629	631	565(4)	538	599(11)	561	614	662	675	649		
1958	681	666	656	656	631	650	618(XX)	599(11)	561	531	689	823	649		
* 1959	782	739	716	679	727	699	761	596	605(8)	648	759	768	709		
* 1960	748	757	750	743	697	664	657	599	584	626	761	782(7)	695		
* 1961	733	718	685	690	633	663	663	630	651	651	757	673	684		
1962	642	702	676	712	643	587	712	630	620	700	755	831	684		
1963	793	814(XX)	755(XX)	740(XX)	688(6)	579	614(XX)	630	548	637(XX)	829	708(XX)	694		
1964	729	782	775	756	596(10)	583	619	659(5)	599(9)	631	662	723	694		
MADRAS		13 06 N 80 18 E													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN		
* 1959	605(6)	510	458	503	599	731	718	540	555	786	898	713	636		
* 1960	645	565(15)	539	479	646	676	599	659	607	742	885	762	654		
* 1961	661	552	543	591	653	670	470	473	502	538	713	613	574		
1962	629	614	662	587	707	726	613	551	623(XX)	883	873	723(XX)	682		
1963	705	645	537(XX)	514	534	662	488	470	475	608	791	654	583(XX)		
1964	539	493	515	605	764	662	595	596	636	750	933	752	654		
VISAKHAPATNAM		17 41 N 83 17 E													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN		
* 1959	720	624	575	640	792	966	998	816	861	1127	1036	830	833		
* 1960	725	663	604	576	754	909	764	887	878	1062(8)	828	927(XX)	791		
* 1961	753(4)	666	695	627	751	804	703	700	716	821	828	658	727		
1962	682(XX)	656	672	672	796	922(XX)	815	748	885(XX)	1113(XX)	1065	908	832		
1963	806	738	635	641	715	860	739(XX)	750	848(6)	1021	992	798(XX)	794		
1964	580	522	489	528	839	828	723	808	836	946	1085	832	752		
SAUGOR		21 39 N 88 03 E													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN		
* 1959	2975	2911	2918	3058	3255	3419	3553	3375	3400	3416	3313	3096	3226		
* 1960	2970	2977	2904	2975	3174	3424	3345	3393	3356	3433	3273	3177	3197		
* 1961	3034	2927	3082	3050	3278	3282	3290	3328	3327	3221	3043	2860	3145		
1962	2927	2978	2981	3095	3268	3450	3443	3320	3486	3445	3181	3112(4)	3228(XX)		
1963	3013	2980	2947	3000	3115	3324	3257	3356(XX)	3338	3298	3413	3060	3157		
1964	2953	2919	2951	3080	3311	3373	3249	3475	3366	3409	3413	3154	3222		
DIAMOND HARBOUR		22 12 N 88 10 E													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN		
* 1959	2924	2873	2958	3111	3343	3421	3554	3468	3548	3590	3288	3031	3261		
* 1960	2919	2863	2955	3058	3325	3423	3402	3508	3447	3428	3651(15)	3094	3231		
* 1961	2968	2893	3137	3100	3297	3313	3364	3412	3417	3273	2999	2799	3167		
1962	2856	2962	2946	3138	3175(15)	3440	3437	3411	3498	3403	3249	3028	3214		
1963	2941	2930	2943	3022	3117	3342	3333	3414	3381	3315	3107	2974	3153		
1964	2889	2857	2979	3167	3352	3485	3390	3619	3513	3509	3360	3126	3272		

INDIA (CONTINUED)

CALCUTTA		22 33 N 88 18 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
* 1959	2767	2724	2832	2965	3213	3328	3550	3883	4087	4383	3376	2903	3335
* 1960	2758	2789	2876	2960	3153	3309	3500	3831	3921	3732(XX)	3199	2937	3234
* 1961	2747	2701	3036	2960	3177	3214	3447	3809	3929	3720	3086	2674	3209
1962	2710	2845	2888	3054	3210	3318	3518	3823(XX)	3872	3642	3213	2894	3246
1963	2768	2778	2806(XX)	2890	2984(XX)	3217(XX)	3397	3652(XX)	3717	3548	3146	2812	3145
1964	2698	2678	2827	3041	3205	3336	3512	3977	3934	3698	3322	2948	3266
TRIBENI		22 59 N 88 24 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	3033	3151	3100	3313	3432	3566	4309	5663	5867	5129	3843	3280	3980
1963	3068	3074	3125	3196	3228	3603	4425	5286	5554	5063	4031	3290	3917
1964	3039	2999	3152	3323	3516	3600	4567	5681	5817	5199(4)	3865(3)	3314	3998

* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

PAKISTAN (EAST)

CHITTAGONG (T.M.-COMPOUND)		22 19 N 91 49 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1695(8)	1835	1859	2003	2112(4)	2850(10)	2987	2569	2621	2341	2149	1923	2554(XX)
1963	1841	1646	1832	2067	2405	2487	2524	2713	2310	2298	2033	1859	2213
1964	1725	1646	1832	2067	2405	2487	2524	2713	2444(2)	2399(3)	2231	1975	2204
CHITTAGONG (JULDIA POINT)		22 15 N 91 50 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1990	2103	2103	2246	2350(2)	2841	2944	2719	2725	2539	2374	2170	2527(XX)
1963	2093	1948	2140	2384	2609	2801	2774	2899	2679	2478	2252	2073	2396
1964	1960	1948	2140	2384	2609	2801	2774	2899	2679	2643	2481	2222	2460

CEYLON

COLOMBO		06 57 N 79 51 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	573	610	607	546	482	439	445	393	479	**	**	**	**

BURMA

RANGOON		16 46 N 96 10 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
* 1955	2885(XX)	2911(6)	2975(7)	3047	3217	3451	3510	3740	3667	3514	3564(15)	**.(31)	3323(XX)
* 1957	2873	2896	2981	2988	3188	3486	3666	3740	3640	3450	3174	3008	3260
* 1958	2977	2957	2997	3026	3247	3456	3677	3737	3785	3557	3408	3055	3325
* 1959	2986	2954	2988	3100	3304	3557	3648	3659	3721	3670	3441	3126	3348
* 1960	3025	3017	3031	3024	3264	3505	3553	3730	3657	3585	3388	3118	3326
* 1961	3002	2976	3077	3079	3318	3412	3552	3696	3702	3437	3061	2880	3268
* 1962	3017	3032	3008	3071	3250	3593	3673	3668	3680	3552	3333	3081	3331

CORRECTENDUM FOR 1950 APRIL 10.00

BURMA (CONTINUED)

MDULMEIN		* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
*	1959	1439	1524	1664	1850	2329	2539	2920	2819	2350	2350	1646	2042
*	1960	1512	1494	1603	1823	2228	2451	3018	2676	2237	1914	1597	2012
*	1961	1420	1497	1673	1945	2365	2865	3243	3176	2316	1701	1420	2106
	1962	1410	1480	1640	1820	2300	2660	2960	2670	2260	1820	1530	2003
	1963	1450	1420	1550	1630	2210	2790	2900	2700	2290	1960	1580	1998
	1964	1370	1340	1200	1940	2160	2540	2980	2730	2200	1660	1310	1998
											..(31)	..(31)	..
AMHERST		* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
*	1959	2737	2737	3072	3292	3450	3441	3316	3267	3121	3036	2853	3098
*	1960	2786	2841	2908	3024	3469	3349	3399	3255	3149	3060	2883	3122
*	1961	2752	2822	2990	3310	3322	3322	3341	3243	2981	2719	2603	3039
	1962	2750	2820	3060	3280	3530	3500	3370	3330	3190	3000	2820	3130
	1963	2790	2910	2980	3120	3430	3380	3270	3210	3080	2890	2750	3048
	1964	2630	2560	2990	3400	3430	3340	3450	3280	3080	2890	2750	3048
											..(31)	..(31)	..

* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

PORT BLAIR

PORT BLAIR		* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
*	1959	1164	1094	1146	1248	1302	1319	1267	1218	1191	1274	1261	1219
*	1960	1199	1177	1183	1204(XX)	1264	1307	1351(7)	1301(1)	1273	1349(XX)	1319	1272
*	1961	1259	1230	..(31)	..(30)	1252	1271	1231	1238	1216	1238	1206	..
	1962	1203	1246	1277(XX)	1327	1326	1332(XX)	1348	1297	1345(5)	1391	..(31)	1308(XX)
	1963	1289(XX)	..(28)	..(31)	..(30)	..(30)	..(30)	..(31)	..(30)	1259(3)	1327	1280	..
	1964	1277(XX)	1265	1268(XX)	1349(15)	1396(XX)	1444(XX)	1404	1426(XX)	1373	1408(XX)	1363(XX)	1362
											..(30)	..(30)	..

ANDAMAN ISLANDS

SINGAPORE

SINGAPORE		* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
	1954	2067	2060	1902	1878	1811(2)	1853(1)	1847	1847	2063	2076	2204	1975
	1955	2234	2039	1981	1896	1841	1893	1850	1914	2042	2118	2143	1990
	1956	2109(2)	1981(4)	1963	1875	1829	1740	1750	1780	1939	2088	2091	1918
	1957	2009	1939	1899	1847	1844	..(31)	..(31)	..(31)	..(30)	..(31)	2079(2)	1943(XX)
	1958	2079	2030	1911	1890	1844	1820	1853	1862(2)	..(31)	..(31)	..(30)	1898(XX)
	1959	2076	1948	1887	1902	1835	1838	1832	1911	2012	2073	2091(4)	1948
	1960	2048(8)	2097	1929	1868(4)	1701	1737	1719	1765	1862	1850	1987	1854
	1961	1957	1899	1780	1750	1679	1701	1686(3)	1716(4)	1789(9)	..(30)	..(31)	1781(XX)
											..(30)	..(31)	..

CHRISTMAS ISLAND

CHRISTMAS ISLAND		* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
	1962	..(31)	..(28)	..(31)	..(30)	..(30)	1000	909	840	828	799	845	..
	1963	683(XX)	820(3)	833(5)	692(XX)	820	777	765	558	533	719	732	732
											..(30)	..(31)	..

COCOS ISLAND

COCOS ISLAND		* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
	1961	..(31)	..(28)	..(31)	..(30)	..(30)	..(31)	844(2)	875	866	750	..(31)	..
	1962	..(31)	457	500(1)	476(1)	451	754	844(2)	875	866	750	..(31)	631(XX)
											..(30)	..(31)	..

THAILAND

PHUKET (KO TA-PHAO NOI)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	07 50 N	98 26 E
1957	2534	2626	2677	2790	2921	2910	2818	2741	2617	2547	2650	2650	MEAN	
1958	2486	2421	2441	2483	2664	2701	2601	2623	2515	2571	2571	2372	2538	
1959	2236	2239	2293	2374	2528	2565	2508	2428	2421	2476	2540	2401	2422	
1961	2213	2182	2407	2476	2630	2536	3018	*(31)	2657	2715	2769	2602	2564	
1962	2287	2274	2308	2414	2408	2748	2637	2611	2741	2867	2799	2671	2564	
1963	2607	2524	2489	2537	2560	2704	2601	2540	2544	2598	2606	2524	2574(XX)	
1964	*(31)	2382	2435	2680	2807	2712	*(31)	2687	2687	2714	2731	2524	2636(XX)	

CORRIEENDUM FOR 1950 ANNUAL MEAN 12.812

PHRACHUAP KIRIKHAN

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	11 48 N	99 49 E
1957	2190	2136	2106	2016	1913	1797	1825	1791	1914	2011	2042	2042	MEAN	
1958	2729	2687	2525	2527	2417	2349	2279	2337	2346	2688	2703	2659	2520	
1959	2626	2553	2632	2490	2509	2338	2336	2326	2431	2666	2752	2725	2532	
1960	2705	2768	2485	2532	2432	2284	2392	2338	2421	2544	2648	2681	2519	
1961	2680	2680	2593	2513	2412	2271	2307	2326	2355	2555	2710	2734	2516	
1962	2819	2664	2479	2514	2434	2294	2277	2344	2409	2658	2712	2700	2526	
1963	2721	2696	2615	2547	2431	2298	2304	2296	2288	2576	2642	2664	2506	
1964	2579	2777	2642	2487	2381	2273	2323	2242	2373	2508	*(30)	*(31)	2458(XX)	

CORRIEENDUM FOR 1956 ANNUAL MEAN 25.356

BANGKOK BAR

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	13 27 N	100 36 E
1957	2452	2456	2424	2335	2240	2149	2163	2306	2487	2500	2667	2668	MEAN	
1958	2728	2723	2594	2594	2487	2444	2400	2422	2493	2626	2721	2644	2570	
1959	2715	2666	2708	2619	2640	2397	2436	2481	2563	2737	2800	2764	2627	
1960	2766	2830	2606	2659	2514	2433	2495	2450	2548	2926	2699	2783	2642	
1961	2762	2810	2719	2654	2578	2458	2484	2549	2541	2657	2807	2778	2650	
1962	2894	2777	2770	2674	2595	2493	2495	2540	2571	2700	2758	2738	2667	
1963	2762	2910	2817	2736	2640	2551	2552	2592	2651	2844	2886	2892	2736	
1964	2884	3081	2974	2861	2792	2679	2758	2685	2800	2904	3002	3000	2868	

FORT PHRACHULA CHOMKLAO

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	13 33 N	100 36 E
1957	2530	2721	2678	2579	2415	2337	2420	2440	2593	2675	2791	2682	MEAN	
1958	2819	2759	2676	2636	2529	2515	2475	2487	2521	2658	2770	2710	2630	
1959	2760	2698	2729	2581	2526	2365	2412	2485	2584	2744	2807	2741	2619	
1962	2872	2761	2755	2680	2597	2466	2477	2543	2544	2721	2799	2724	2662	
1963	2760	2767	2729	2654	2562	2413	2488	2550	2588	2741	2733	2730	2640	
1964	2690	2932	2793	2693	2583	2503	2522	2449	2567	2708	2799	2784	2669	

THAILAND (CONTINUED)

KO SICHANG		13 09 N		100 49 E									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	2567	2574	2542	2436	2337	2278	2252	2216	2380	2427	2609	2586	2434
1958	2595	2658	2478	2430	2333	2288	2247	2286	2313	2461	2574	2490	2429
1959	2569	2499	2512	2392	2376	2224	2242	2275	2372	2513	2591	2579	2425
1960	2570	2616	2389	2409	2273	2216	2274	2235	2329	2475	2504	2504	2394
1961	2561	2615	2494	2560	2323	2211	2276	2294	2304	2424	2583	2583	2436
1962	2568	2600	2540	2460	2365	2228	2242	2263	2316	2502	2583	2551	2436
1963	2521	2600	2542	2457	2366	2224	2242	2264	2314	2503	2583	2551	2436
1964	2495	2691	2530	2452	2376	2287	2313	2247	2332	2434	2521	2529	2423
CORRIGENDUM FOR 1952		ANNUAL MEAN 24.876											
CORRIGENDUM FOR 1956		ANNUAL MEAN 23.985											

MACAO (MACAU-SIAC)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	2332	2238	2164	2247	2289	2284	2327	2270	2400	2499	2457	2275	2312
1963	2172	2126	2159	2211	2243	2243	2215	2235	2352	2460	2518	2181	2249
1964	2313	2330	2225	2165	2371	2241	2159	2248	2414	2486	2461	2282	2308

CHI MA WAN

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1335	1402	1338	1277	1326	1308	1347	1399	1539	1646	1533	1481	1420(XX)
1963	1281	1287	1256	1220	1194	1308	1226	1237	1411	1543	1446	1410	1318
1964	1350	1442(1)	1320(1)	1244	1445	1323	1295(1)	1417	1594(3)	1646	1622	1469	1430

HONG KONG

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1384	1256	1231	1253	1234	1241	1283	1280	1402(7)	1542	1512	1326	1329
1963	1237	1334	1195	1177	1140	1286	1219	1225	1359	1487	1393	1359	1276
1964	1298(2)	1399	1265	1186	1375	1259	1234(1)	1359(1)	1539(2)	1609	1579	1426	1377

TAI PO (TOLO HARBOUR)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1963	1201	1207	1195	1183	1116	1265	1207	1210	1353	1478	1381	1329	1260
1964	1271(1)	1384(5)	1268(3)	1180	1366(1)	1225(1)	1231(7)	1359(7)	1524(4)	1585(8)	1585(8)	1423(14)	1347(XX)

INCHON

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	4472	4460	4541	4558	4642	4766	4755	4829	4742	4709	4636	4463	4631
1961	4479	4523	4508	4566	4616	4759	4844	4818	4733	4598	4519	4458	4650(XX)
1962	4257	4327	4418	4454	4539	4647	4771	4752	4685	4598	4519	4458	4603(XX)
1964	4439	4339	4420	4470	4532	4668	4767	4740	4696	4540	4534	4468	4535
					4670	4739	4767	4807	4732	4647	4561	4499	4602

KUNSAN

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	3178	3092	3227	3189	3268	3409	3425	3493	3410	3308	3209	3073	3273
1961	3109	3238	3284	3202	3197	3256	3351	3526	3457	3415	3256	3221	3293
1962	3185	3113	3145	3135	3243	3427	3525	3535	3388	3392	3298	3208	3300
1963	3033	2868	2938	2959	3178	3338	3379	3379	3388	3392	3298	3208	3300
1964	3167	2988	3133	3275	3303	3338	3379	3379	3388	3392	3298	3208	3300

KOREA (CONTINUED)

MOKPO		34 47 N 126 23 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	205 6	1983	2000	2097	2162	2204	2211	2325	2326	2213	2108	2054	2145
1963	2063	1998	2054	2091	2166	2251	2233	2234	2228	2093	2079	2055	2150
1962	1976	1970	1908	1948	2006	2234	2362	2382	2262	2291	2115	2049	2144
1961	1970	1970	1908	1948	2006	2234	2362	2382	2262	2291	2115	2049	2144
1960	1988	1011	1100	1123	1097	1134	1102	1171	1141	1038	1108	1057	1098
CHINHAE		35 09 N 128 39 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	1043	955	1009	1033	1133	1179	1181	1280	1317	1178	1130	1066	1125
1963	1048	921	943	982	1041	1205	1190	1233	1167	1063	1024	1012	1069
1962	1058	972	947	984	1051	1145	1213	1212	1212	1159	1124	1051	1094
1961	981	1030	1033	1034	1083	1149	1203	1255	1245	1211	1080	1043	1112
1960	1088	1011	1100	1123	1097	1134	1102	1171	1141	1038	1108	1057	1098
PUSAN		35 06 N 129 02 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	161	..(129)	194	..(30)	..(31)	269	264	334	382	229	198	172	..
1963	573	514	567	543	600	716	698	762	733	626	597	556	624
1962	585	496	490	515	577	688	730	730	747	682	608	608	624
1961	618	639	634	671	734	795	765	790	748	712	638	589	694
1960	618	639	634	671	734	795	765	790	748	712	638	589	694
ULSAN		35 30 N 126 23 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	161	..(129)	194	..(30)	..(31)	269	264	334	382	229	198	172	..
1963	208	130	133	132	172	269	275	337	306	280	194	190	219
1962	208	130	133	132	172	269	275	337	306	280	194	190	219
1961	208	130	133	132	172	269	275	337	306	280	194	190	219
1960	1540	1470	1450	1400	1440	1370	1450	1450	1480	1380	1430	1490	1468
YUZHNO KURILSK		44 01 N 145 52 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	1540	1470	1450	1400	1440	1370	1450	1450	1480	1380	1430	1490	1468
1963	1440	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396
1962	1450	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396
1961	1450	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396
1960	1450	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396
SOVIET UNION (PACIFIC COAST)		44 01 N 145 52 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	1540	1470	1450	1400	1440	1370	1450	1450	1480	1380	1430	1490	1468
1963	1440	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396
1962	1450	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396
1961	1450	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396
1960	1450	1460	1330	1300	1300	1360	1420	1440	1390	1380	1400	1400	1396

THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

SOVIET UNION (PACIFIC COAST) (CONTINUED)

NAGAEVA BAY		59 44 N 150 42 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	5100	5080	5070	5170	5220	5000	
1958	4960	4890	4980	4940	5040	5130	5080	5060	4970	5080	5180	5090	5033
1959	5130	5030	4900	5080	5090	5100	5110	5070	5140	5120	5160	5270	5100
1960	5140	5180	5040	5110	5040	5130	5190	5150	5160	5100	5220	5130	5130
1961	5080	5200	5000	5120	5090	5140	5150	5090	5130	5060	5030	5060	5096
1962	5170	5080	5090	5130	5120	5140	5160	5060	5050	5080	5120	5110	5109
1963	5180	5100	5070	5040	5150	5160	5180	5120	5150	5140	5230	5142	
1964	5120	5090	5010	5160	5110	5090	5150	5180	5090	5090	5170	5112	
THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.													

PETROPAPLOVSK

PETROPAPLOVSK		53 01 N 158 29 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	1600	1450	1340	1330	1260	1370	1360	1340	1300	1180	1250	1480	1355
1961	1570	1490	1290	1320	1320	1270	1260	1210	1210	1180	1200	1300	1302
1962	1360	1350	1340	1090	1170	1200	1230	1290	1200	1240	1380	1380	1269
1963	1550	1380	1340	1190	1330	1320	1300	1250	1350	1280	1400	1480	1348
1964	1470	1460	1330	1300	1080	1160	1280	1260	1270	1260	1260	1370	1292
THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.													

MONBETU

MONBETU		44 21 N 143 22 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1955	..	..	..	..	..	..	..	..	..	..	..	..
1956	3516(XX)	3494	3343	3454	3516	3425	3451	3516	3498	3417	3470	3547	3476
1957	3499	3414	3481	3427	3459	3482	3536	3526	3531	3554	3509	3480	3492
1958	3491	3412	3464	3408	3460	3465	3524	3524	3514	3427	3511	3511	3468
1959	3506	3383	3422	3430	3441	3448	3583	3551	3553	3546	3501	3569	3484
1960	3603	3485	3363	3407	3420	3475	3525	3566	3595	3415	3448	3606	3492
1961	3572	3551	3434	3428	3451	3529	3600	3584	3555	3434	3424	3544	3509
1962	3653	3511	3473	3416	3479	3515	3600	3605	3578	3532	3515	3556	3532
1963	3702	3526	3465	3402	3502	3489	3526	3527	3590	3482	3560	3587	3530
1964	3516	3427	3408	3352	3428	3478	3596	3580(3)	3593	3483	3502	3558	3493
GAUGE ESTABLISHED DECEMBER 1955.													

HANASAKI

HANASAKI		43 17 N 145 35 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	..(31)	2173	2109	2059	2095	2144	2135	2181	2148	2142	2106(1)	2158	2132(XX)
1963	2348	2196	2034	2034	2101	2123	2143	2177	2218	2110	2159	2190	2160
1964	2147	2130	2096	2004	2042	2104	2156	2152	2182	2113	2121	2166	2118
CORRIGENDUM FOR 1916 FEBRUARY 2.330 CORRIGENDUM FOR 1924 DECEMBER 2.257													

KUSHIRO

KUSHIRO		42 58 N 144 22 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1607	1518	1465	1413	1453	1512	1504	1564	1537	1501	1472	1506(1)	1504
1963	1684	1559	1484	1403	1471	1496	1512	1558	1579	1484	1505	1551	1524
1964	1503	1475	1457	1382	1417	1500	1552	1547	1571	1496	1510	1524	1495

MEAN SEA LEVEL DATA (1962-1964)

JAPAN, HOKKAIDO (CONTINUED)

URAKAWA		42 10 N 142 46 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	957	955	948	908	966(XX)	985(XX)	1016	1028	1057	913	913	927	927
1958	957	955	948	908	966(XX)	985(XX)	1016	1028	1057	913	913	927	927
1959	961	869	869	890(XX)	902	974	1018(XX)	973(XX)	991	913	896	928	932(XX)
1960	960	948	886	869	941	941	986	984	966	913	896	928	932(XX)
1961	986	998	890	866	888	936	994	1008	966	897	803	949	932
1962	1049	953	880	862	906	952	963	1010	974	942(16)	937	971	949(XX)
1963	1101(15)	978	874	862	861	940	959	1004	1005	942	937	971	949(XX)
1964	915	917	886(2)	832	905(2)	953	1022	1040	994(2)	915	928	921	936

GAUGE ESTABLISHED OCTOBER 1957.

HAKODATE (I)

HAKODATE (I)		41 47 N 140 43 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	1235	1219	1182	1209	1319	1380	1432	1488	1564	1413	1365	1363	1347
1958	1235	1219	1182	1209	1319	1380	1432	1488	1564	1413	1365	1363	1347
1959	1302	1259	1292	1273	1279	1305	1375	1444	1534	1433	1319	1291	1342
1960	1372	1294	1241	1242	1299	1371	1394	1468	1448	1382	1406	1380	1357
1961	1361	1299	1237	1276	1320	1337	1427	1448	1465	1382	1406	1380	1357
1962	1361	1299	1237	1276	1320	1337	1427	1448	1465	1382	1406	1380	1357
1963	1361	1299	1237	1276	1320	1337	1427	1448	1465	1382	1406	1380	1357
1964	1243(6)	1193	1189(2)	1122(15)	1210(7)	1317(6)	1346(11)	1397(6)	1377(5)	1274(8)	1274(8)	1300(5)	1269

HAKODATE (II)

HAKODATE (II)		41 46 N 140 43 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	1245	1219	1195	1231	1287	1338	1385	1407	1405	1285	1283	1227	1296
1958	1280	1228	1247	1213	1287	1338	1385	1407	1405	1285	1283	1227	1296
1959	1266	1144	1148	1238	1311	1317	1394	1419	1439	1362	1318	1275	1303
1960	1302	1244	1188	1203	1222	1303	1331	1371	1403	1268	1265	1284	1282
1961	1279	1283	1172	1192	1221	1257	1364	1420	1377	1242	1192	1293	1277
1962	1269	1211	1172	1162	1200	1271	1324	1399	1375	1319	1297	1294	1274
1963	1448	1266	1186	1131	1176	1247	1310	1385	1384	1257	1311	1325	1286
1964	1243(6)	1193	1189(2)	1122(15)	1210(7)	1317(6)	1346(11)	1397(6)	1377(5)	1274(8)	1274(8)	1300(5)	1269

OSHORO

OSHORO		43 12 N 140 52 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1663	1630	1746	1679	1640	1545	1476	1455	1506	1654	1671	1598	1606
1962	1617	1681	1682	1663	1607	1534	1484	1446	1487	1531	1586	1590	1575
1963	1657	1298	1231	1207	1296	1369	1422	1441	1468	1339	1370	1361	1361
1964	1307	1228	1234	1217	1329	1402(2)	1453	1504	1479	1363	1370	1361	1354

NEW GAUGE INSTALLED 1963.

OTARU

CORRIGENDUM FOR 1907 ANNUAL MEAN 1.619

HACHINOHE

HACHINOHE		40 32 N 141 31 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	762	672	616	586	652	731	765	852	855	809	766	738	734
1963	876	691	627	559	642	685	786	854	872	761	779	754	741
1964	691	670	612	585	654	747	795	850	841	728	766	704	720

JAPAN, HONSHU (EAST COAST) (CONTINUED)

MIYAKO		JAPAN, HONSHU (EAST COAST)												39 38 N 141 58 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	39 16 N 141 54 E	
1953	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1954	2332	2165	2104	2145	2195	2244	2262	2257(XX)	2259	2286	2348	2292	2227	..	
1955	2179	2148	2053	2063	2141(XX)	2252(XX)	..(31)	..(31)	..(31)	2246(XX)	2166	2200	2200	2162(XX)	
1956	2194(XX)	2181	2072	2085	2124	2204	2253	2303	2242	2193	2190	2242	2190	2175	
1957	2154	2064	2120	2040	2119	2202	2240	2276	2280	2252	2189	2169	2175	2232	
1958	2252	2208	2201	2147	2216	2266	2254	2266	2339	2197	2183	2203	2175	2264	
1959	2134	2009	2007	2037	2095	2164	2254	2266	2289	2297	2289	2262	2175	2267	
1960	2248	2158	2135	2116	2197(XX)	2294	2354	2348	2382	2313	2293	2305	2264	..	
1961	2285	2251	2183	2149	2164	2244	2340	2401	2368	2271	2225	2318	2267	..	
1962	2314	2233	2198	2166	2223	2295	2332	2386	2352	2353	..(30)	..(31)	2286(XX)	..	
1963	..	..(31)	..(28)	..(31)	..(30)	..(31)	2320(9)	2320(3)	2345	2345	2386	2374	2302	..
1964	2303(3)	2243	2223	2184	2244	2316	2384	2425	2397	2322	2315	2264	2302	..	
GAUGE ESTABLISHED OCTOBER 1953.															
ONAGAWA		JAPAN, HONSHU (EAST COAST)												38 26 N 141 28 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	38 18 N 141 31 E	
1951	..(31)	..(28)	..(31)	..(30)	..(30)	..(30)	..(30)	..(31)	..(31)	1546	1481	1419	1510(XX)	..	
1952	1348	1295	1308	1288	1362	1443	1446	1486	1510	1481	1463	1412	1435(XX)	..	
1953	..(31)	..(28)	..(31)	1327	1339	1411	1464	1467	1489	1531	1467	1415	1408	..	
1954	1384	1327	1274	1305	1383	1458	1473	1523	1503	1544	1425	1455	1422	..	
1955	1420	1390	1291	1305	1358	1458	1497	1541	1498	1478	1478	1486	1439	..	
1956	1424	1418	1324	1331	1358	1475	1526	1531	1535	1526	1454	1432	1448	..	
1957	1412	1358	1403	1324	1398	1475	1526	1555	1603	1474	1442	1480	1483(XX)	..	
1958	1383	..(28)	..(31)	1339	1402	1458	1526	1555	1593	1573	1511	1477(XX)	1465	..	
1959	1442	1326	1315	1364	1411(XX)	1489	1552	1586	1593	..	..	..	1408(XX)	..
1960	1486	1396	1384	1364	1411(XX)	1489	1552	1586	1593	..	..	..	..	..
GAUGE ESTABLISHED SEPTEMBER 1951 AND CEASED MAY 1960 FOLLOWING CHILI TSUNAMI.															
AYUKAWA		JAPAN, HONSHU (EAST COAST)												36 56 N 140 55 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	35 44 N 140 50 E	
1962	1649(4)	1617	1558	1551	1613	1673(2)	1728	1813	1781	1787	1733	1724	1690	..	
1963	1847	1661	1591	1512	1561	1652	1712	1768	1804	1713(3)	1725	1721	1689	..	
1964	1676	1631	1606	1559	1606(4)	1704(6)	1769	1818	1809	1721	1737	1693	1694	..	
GAUGE ESTABLISHED SEPTEMBER 1951 AND CEASED MAY 1960 FOLLOWING CHILI TSUNAMI.															
ONAHAMA		JAPAN, HONSHU (EAST COAST)												36 56 N 140 55 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	35 44 N 140 50 E	
1962	1487	1387	1359	1317	1367	1444	1491	1560	1579	1567	1517	1494	1462	..	
1963	1588	1426(1)	1353	1283	1340	1438	1485	1555	1570	1528	1520	1523	1467	..	
1964	1486	1447	1396	1332(1)	1401	1490	1541(1)	1596	1600	1537	1530	1479	1486	..	
GAUGE ESTABLISHED SEPTEMBER 1951 AND CEASED MAY 1960 FOLLOWING CHILI TSUNAMI.															
CHOSHI		JAPAN, HONSHU (EAST COAST)												35 44 N 140 50 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	35 44 N 140 50 E	
1962	1066	974	930	917	902	1018	1061	1106	1144	1143	1106(1)	1096	1051(XX)	..	
1963	1161	1001	920	844	902	1011	1061	1106	1144	1143	1106(1)	1096	1051(XX)	..	

MEAN SEA LEVEL DATA (1962-1964)

JAPAN, HONSHU (EAST COAST) (CONTINUED)

MERA		34 55 N 139 50 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1232	1144	1116	1059	1176	1294	1315	1240	1285	1363	1256(1)	1254	1230
1963	1289(9)	1137	1069	1001	1130	1163	1181	1237	1247	1286	1247	1203	1183
1964	1182	1182	1107	1059	1228	1189	1182	1243	1338	1247	1296	1221	1207
TUKIZI		35 40 N 139 46 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1951	1840	1834	1841	1827	1933	2037	2021	2029	2132	2038	1929	1847	1942
1952	1823	1883	1888	1863	1881	1935	1986	2123	2097	2000	2017	1935	1953
1953	1914	1834	1854	1854	1918	2023	2008	2134	2115	2052	2018	1923	1967
1954	1973	1842	1837	1877	1883	2006	2009	2057	2032	2088	1953	1942	1958
1955	1925	1888	1913	1865	2005	1997	2034	2057	2032	2088	1953	1942	1958
1957	1774	1776(XX)	1814	1794	1960	2001	2088	2039	2027	2030	1945	1910	2014(XX)
1958	1914	1816	1830	1913	1912	2089	2123	2010	2058	1938	1976	1972	1924
1959	1965	1924	1932	1920(XX)	2067(XX)	2035	2043	2124	2142	2116	2035	2006	2002
1960								2137	2129	2015	1987	1944	2008
TOKYO		35 40 N 139 46 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1846	1772	1769	1794	1857	1967	2022	1946	1868	1884	1692	1787(2)	1851
1963	1905	1745	1647	1623	1741	1698	1718	1839	1891	1809	1692	1787(2)	1851
1964								1839	1891	1809	1692	1787(2)	1851
1964	1704	1690	1644	1620	1805	1772	1786	1846	1895(5)	1777	1831	1742	1759
1964	1704	1690	1644	1620	1805	1772	1786	1846	1895(5)	1777	1831	1742	1759
SIBAURA		35 38 N 139 45 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	1746	1722	1699	1693	1786	1884	1933	1973	1956(XX)	1829	1801	1758	1829
1961	1746	1722	1699	1693	1786	1884	1933	1973	1956(XX)	1829	1801	1758	1829
1962	1800	1732	1697	1701	1784	1898	1926	1973	1903	1825	1851	1846	1829
1963	1855	1676	1613	1573	1730	1802(4)	1805	1826	1808	1807	1819	1811	1823
1964	1704	1690	1644	1620	1805	1772	1786	1846	1895(5)	1777	1831	1742	1759
1964	1704	1690	1644	1620	1805	1772	1786	1846	1895(5)	1777	1831	1742	1759
YOKOSUKA		35 17 N 139 39 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1954	1412	1389	1365	1340	1464	1436	1498(XX)	1410(XX)	1386	1428	1449	1328	1415(XX)
1955	1412	1389	1365	1340	1464	1436	1498(XX)	1410(XX)	1386	1428	1449	1328	1415(XX)
1956	1293	1313	1321	1284	1340	1410(XX)	1446	1373	1439	1438	1322	1419(XX)	1367
1957	1293	1313	1321	1284	1340	1410(XX)	1446	1373	1439	1438	1322	1419(XX)	1367
1958	1293	1313	1321	1284	1340	1410(XX)	1446	1373	1439	1438	1322	1419(XX)	1367
1960	1371	1357	1329	1304	1348	1465	1487	1501	1535	1467	1436	1401	1419
1961	1371	1357	1329	1304	1348	1465	1487	1501	1535	1467	1436	1401	1419
1962	1384	1272	1272	1290	1351	1463	1527	1433	1462	1522	1395(12)	1364(115)	1396
1963	1384	1272	1272	1290	1351	1463	1527	1433	1462	1522	1395(12)	1364(115)	1396
1964	1323	1324	1257	1205	1398	1364	1364	1399	1399	1418	1393	1340	1325(XX)
1964	1323	1324	1257	1205	1398	1364	1364	1399	1399	1418	1393	1340	1325(XX)
1964	1323	1324	1257	1205	1398	1364	1364	1399	1399	1418	1393	1340	1325(XX)
1964	1323	1324	1257	1205	1398	1364	1364	1399	1399	1418	1393	1340	1325(XX)
GAUGE ESTABLISHED OCTOBER 1960.													
YOKOSUKA		35 09 N 139 37 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1760	1672	1654	1687	1731	1837	1903	1816	1850	1919	1804	1808	1788
1963	1819	1683	1604(4)	1541	1675	1729	1733	1769	1795	1853	1812	1746(2)	1732
1964	1740(2)	1747	1695	1626	1817	1788	1769	1835(5)	1874(4)	1786(3)	1827	1761(2)	1770
1964	1740(2)	1747	1695	1626	1817	1788	1769	1835(5)	1874(4)	1786(3)	1827	1761(2)	1770
GAUGE ESTABLISHED DECEMBER 1954.													
ARURATSUBO		35 09 N 139 37 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1760	1672	1654	1687	1731	1837	1903	1816	1850	1919	1804	1808	1788
1963	1819	1683	1604(4)	1541	1675	1729	1733	1769	1795	1853	1812	1746(2)	1732
1964	1740(2)	1747	1695	1626	1817	1788	1769	1835(5)	1874(4)	1786(3)	1827	1761(2)	1770

JAPAN, HONSHU (EAST COAST) (CONTINUED)

KAMINATO (HATIZYO SIMA)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1955	1857	1884	1812	1729	1814	1717	1339	1600	1348	1338(XX)	1654(XX)	1692(XX)
1956	1231	1380	1280	1207	1707	2309	2201	2049	1383	1271	1592(XX)	1413
1957	1805	1886(XX)	1600(XX)	1356	1886	1387	1288	1612	1965	1413	1700	1700
1958	1778(XX)	1943(XX)	1907	1760(XX)	1972(XX)	1579(XX)	2071	2083(XX)	2055	1346	1740	1821(XX)
1959	1751	1879(XX)	1910(XX)	1302	1124(XX)	2195	2011	2193(XX)	2055	1346	1740	1821(XX)
1960	1864	1878	1950	2147	2238	1997	2071	2231(XX)	2027	2041	2046	1941
1961	1879	1860	1511	1829	1853(XX)	2038(XX)	2051	2005	2008	1957	1938	1885
1962	1668(1)	1576(2)	1694(1)	1729	1886	1900	1437	1476	1445	1288	1288	1597
1963	1102	1008	1238	1125	1095	1310	1325(1)	1672	1445	1288	1422	1597
1964	**	**	1561(11)	1878	1694	1505	1864	2314	1918(9)	1918(9)	2336(2)	2190(8)
NEW GAUGE ESTABLISHED IN 1964.												
TIBA												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1964	**	**	**	**	**	**	1724	1786	1814	1752	1816	1701
GAUGE ESTABLISHED JULY 1964.												
MIYAKE SIMA												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1964	**	**	2231(7)	2297(7)	2478(6)	2372	2635(14)	2635(14)	2358	2345	2679(6)	2451
GAUGE ESTABLISHED FEBRUARY 1964.												
K0ZU SIMA												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1964	**	**	1690	1690	1690	1754(14)	1734(6)	1734(6)	1914	1914	1733	1733
GAUGE ESTABLISHED FEBRUARY 1964.												
UCHIURA												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	1622	1521	1496	1505	1565	1725	1780	1643	1657	1772	1626(1)	1610
1963	1603	1463	1424	1351	1485(2)	1560	1546(2)	1587	1575	1625	1588	1507
1964	1505	1509	1457	1399	1587	1591	1555	1597	1626	1603	1643	1541
ITO												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	2097	1996	1972	1987	2044	2148	2223	2126	2155	2231	2110	2111
1963	2118	1994	1920	1864	1992	2040	2060	2116	2126	2171	2126	2072
1964	2059	2060	2000	1942	2143	2116	2083	2149	2226	2140	2177	2109
MINAMI-IZU												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1964	**	**	2715(13)	2611(11)	2706(11)	2670	2670	2670	2819	2740(15)	2809	2697(3)
GAUGE ESTABLISHED FEBRUARY 1964.												
SHIMIZU												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1962	1447	1345	1323	1353	1408	1567	1631	1483	1501	1626	1462	1433
1963	1407(1)	1300(2)	1269	1209	1348	1426	1395	1435	1444	1504	1449	1368
1964	1367	1366	1315	1258	1444	1441	1390	1449	1536	1469	1510	1407(1)
33 08 N 139 49 E												
MEAN												
33 34 N 140 03 E												
MEAN												
34 04 N 139 29 E												
MEAN												
34 12 N 139 08 E												
MEAN												
35 01 N 138 54 E												
MEAN												
34 58 N 139 06 E												
MEAN												
34 37 N 138 53 E												
MEAN												
35 00 N 138 30 E												
MEAN												

MEAN SEA LEVEL DATA (1962-1964)

JAPAN, HONSHU (EAST COAST) (CONTINUED)

NAGAYA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	35 05 N	136 53 E
1962	2011	1940	1896	1958	2046	2192	2291	2117	2249	2078	2078	1997	MEAN	2076
1963	1952	1830	1844	1997	1997	2097	2051	2104	2078	2102	2012	1910	1986	2021
1964	1909	1907	1870	2071	2081	2081	2042	2127	2196	2102	2069	1958		
CORRIGENDUM FOR 1961														
OCTOBER 2.254														
KUSHIMOTO														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	33 28 N	135 46 E
1962	1637	1528	1509	1560	1571	1712	1812	1652	1657	1784	1670	1594	MEAN	1640
1963	1593	1479	1462	1433	1556	1707	1710	1758	1759	1709	1696	1620	1624	1689
1964	1613	1578	1544	1527	1707	1745	1710	1824	1900	1765	1712	1648		
CORRIGENDUM FOR 1908														
OCTOBER 2.252														
CORRIGENDUM FOR 1909														
DECEMBER 2.375														
JAPAN, INLAND SEA														
KATNAN														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 08 N	135 12 E
1962	2284	2204	2193	2235	2300	2410	2551	2391	2353(3)	2451	2338	2331	MEAN	2285
1963	2260	2131	2106(5)	2094	2239	2374	2372	2426(3)	2439	2343(2)	2346	2370	2385	2344
1964	2253	2201	2181	2200	2367	2421	2375	2492	2568	2437	2351	2278		
KOMATSUSHIMA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	33 59 N	134 37 E
1962	1851	1773	1765	1818	1861	1984	2105	1967	1939	2038	1908	1903	MEAN	1903
1963	1805	1686	1691	1709	1851	1970	1972	2035(1)	2052	1953	1945	1855	1877	1939
1964	1842	1794	1760	1807	1978	2021	1973	2081	2170	2032	1937	1869		
KOBÉ														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 41 N	135 11 E
1962	1294	1235	1216	1256	1328	1450	1593	1465	1425	1512	1401	1388	MEAN	1371
1963	1288	1153	1145	1137	1268	1425	1474	1593	1565	1440	1429	1337	1354	1441
1964	1318	1274	1263	1293	1451	1511	1522	1627(1)	1674(1)	1518(2)	1458(1)	1383(2)		
TANNOVA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 20 N	135 11 E
1962	1805(1)	1645	1636	1733(1)	1810(1)	1893	1909	1979	1862	1945	1843	1778	MEAN	1825(XX)
1963	1778	1645	1636	1631	1775	1893	1909	1979	1973	1873	1880	1804	1815	1871
1964	1779	1731	1709	1719	1898	1954	1912	2023	2091	1957	1880	1804		
WAKAYAMA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 13 N	135 09 E
1962	977	896	887	900	974	1089	1237	1076	1033	1146	1041	923	MEAN	1015
1963	923	788	779	782	932	1083	1075	1158	1167	1028	1079	984	981(XX)	961(XX)
1964		864	815	891	1054	1117	1061	1177	1289	1144	1068	984	1042(XX)	1042(XX)
ONISAKI														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 54 N	136 50 E
1963	2365(4)	2240	2251(1)	2234(6)	2346	2381(8)	2350(3)	2503(11)	2489	2500(2)	2412	2334(2)	MEAN	2366
1964	2367	2376	2331	2349(8)	2484	2505(9)	2491(5)	2524	2587	2502	2468	2383	2383	2446

JAPAN, INLAND SEA (CONTINUED)

TAKAMATSU		34 21 N		134		03 E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1809	1724	1717	1767	1844	1961	2089	1975	1940	2029	1891	1785	1877
1963	1771	1643	1650	1668	1818	1949	1978	2064(2)	2045	1925	1920	1830	1855
1964	1794	1739	1731	1773	1936	1999	1974	2096	2157	2025	1924	1837	1915
UNO		34 29 N		133		57 E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1564	1483	1472	1533	1601	1715	1817	1722	1690	1771	1629	1539	1630
1963	1503	1402	1414	1428	1569	1706	1717	1791	1788	1681	1679	1593	1606
1964	1553	1493	1483	1526	1686	1726	1720	1840	1891	1758	1679	1595	1663
MATSUYAMA		33 52 N		132		43 E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	2204	2137	2093	2132	2160	2284(4)	2430	2327	2283	2316	2297	2204	2249(XX)
1963	2207(1)	2012	2024	1975	2160	2373	2302	2418	2397	2428	2324	2277	2226
1964	2214	2111	2136	2166	2317	2373	2365	2495	2504	2428	2341	2265	2310
KURE		34 14 N		132		33 E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1954	2487	2489(XX)	2401	2513	2609	2685	2708	2740	2711	2777	2624	2551	2604(XX)
1956	2478	2421	2562	2521	2621	2715	2733(XX)	2763	2669	2587	2827	2528	2604(XX)
1957	2484(XX)	2525	2510	2462	2598	2756	2714	2701	2716	2690	2614	2575	2637
1958	2442	2492	2452	2527	2597	2644	2665	2701	2714	2701	2660	2517	2610
1959	2417	2410	2452	2527	2597	2644	2665	2701	2714	2763	2649	2580	2575(XX)
1960	2496	2471	2473	2490	2593	2698	2665	2800	2727	2675	2611	2472	2598
1961	2425	2451	2448	2460	2484	2642	2675	2752	2748	2682	2621	2534	2577
1962	2501	2410	2416(5)	2465(11)	2529(12)	2644(7)	2758	2658	2619	2691	2597	2496	2566
1963	2487	2380	2365	2385	2526	2647	2684	2795	2732	2619	2622	2569	2568
1964	2518	2413	2429	2473	2616	2671	2655	2774	2777	2673	2581	2561	2595
GAUGE ESTABLISHED SEPTEMBER 1954.													
HIROSIMA		34 21 N		132		28 E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1963	2931	2824	2856	2915	3047	3113	3103	3218	3229	3132	3034	3000	3032
GAUGE ESTABLISHED DECEMBER 1963.													
TOKUYAMA		34 02 N		131		48 E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1951	2404	2412	2378	2378	2521	2666	2588	2550	2626	2466	2308	2509	2484
1952	2497	2504	2566	2603	2612	2707	2840	2876	2889	2792	2792	2519	2683
1953	2434	2442	2465	2516	2648	2709	2666	2798	2871	2747	2625	2534	2623
1954	2566	2470	2432	2480	2505	2702	2704	2729	2752	2812	2655	2556	2614
1955	2469	2510	2504	2534	2617	2670	2709	2738	2702	2636	2546	2515	2596
1956	2417	2350	2322	2352	2492	2684	2715	2778	2747	2674	2570	2495	2581
1957	2451	2450	2509	2311	2548	2669	2629	2688	2721	2636	2536	2484	2553
1958	2428	2549	2575	2504	2550	2737	2699	2685	2752	2659	2639	2493	2606
1959	2403	2422	2422	2452	2508	2653	2750	2680	2664	2714	2580	2511	2563

JAPAN, INLAND SEA (CONTINUED)

TOKUYAMA (CONTINUED)		34 02 N 131 48 E	
YEAR	JAN.	DEC.	MEAN
1960	2403	2560	2566
1961	2323	2490	2537
1962	2460	2436	2521 (XX)
1963	2394	2521	2516
1964	2466	2516	2560

JAPAN, SHIKOKU

UW AJIMA		33 14 N 132 33 E	
YEAR	JAN.	DEC.	MEAN
1962	2109	2188	2153
1963	2070	2078	2151
1964	2122	2146	2201

TOSA-SHIMIZU

TOSA-SHIMIZU		32 47 N 132 58 E	
YEAR	JAN.	DEC.	MEAN
1962	1600	1681	1650
1963	1536	1671	1622
1964	1613	1709	1677

KOCHI

KOCHI		33 30 N 133 34 E	
YEAR	JAN.	DEC.	MEAN
1962	1976	2071	2043
1963	1930	2076(12)	2026
1964	2026	2087	2088

MOZI

MOZI		33 57 N 130 58 E	
YEAR	JAN.	DEC.	MEAN
1958	••	2930	••
1959	2713	2965	2918
1960	2755	2893	2898
1961	2680	2898	2874
1962	2754	2794	2874
1963	2747	2783	2864
1964	2800	2923	2856

JAPAN, KYUSHU

HOSOJIMA		32 26 N 131 40 E	
YEAR	JAN.	DEC.	MEAN
1962	2288	2382	2342
1963	2263	2405	2372
1964	2391	2415	2363

CORRIGENDUM FOR 1952 ANNUAL MEAN -2.871

CORRIGENDUM FOR 1952 ANNUAL MEAN -2.871		34 02 N 131 48 E	
YEAR	JAN.	DEC.	MEAN
1952	2474 (XX)	2491	2566
1953	2416	2449	2537
1954	2364	2426	2521 (XX)
1955	2303	2335	2516
1956	2410	2436	2560

GAUGE ESTABLISHED NOVEMBER 1958.

GAUGE ESTABLISHED NOVEMBER 1958.		34 02 N 131 48 E	
YEAR	JAN.	DEC.	MEAN
1958	••	2801	••
1959	2713	2861	2918
1960	2755	2737	2898
1961	2680	2794	2874
1962	2754	2783	2864
1963	2747	2849	2856
1964	2800	2908	2909

ELEVATION OF FIXED POINT RE-DETERMINED IN 1963.

ELEVATION OF FIXED POINT RE-DETERMINED IN 1963.		34 02 N 131 48 E	
YEAR	JAN.	DEC.	MEAN
1963	2262	2300	2281
1964	2261	2300	2281

JAPAN, KYUSHU (CONTINUED)

ABURATSU																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	31	35	N	131	25	E
1957	1152	1311	1308(12)	1313(10)	1460(2)	1627(2)	1590(5)	1561	1693	1543(3)	1478(4)	1475	1426(XX)	1475	1447	1525	1525	1525
1958	1364	1421	1463	1362	1506	1667	1591	1561	1693	1615	1605	1447	1525	1605	1447	1525	1525	1525
1959	1384	1424	1439	1430	1515	1629	1643	1627	1604	1686	1597	1515	1563(XX)	1597	1515	1563(XX)	1563	1563
1960	1418	1424	1439	1447	1498	1589	1513	1693	1602	1625	1515	1384	1512	1515	1384	1512	1512	1512
1961	1343(1)	1400(2)	1382	1396	1393	1567	1540	1608(1)	1664	1632(3)	1554(1)	1436	1492	1554(1)	1436	1492	1492	1492
1962	1406	1333	1290	1357	1444(XX)	1559	1506(1)	1637	1472	1606	1507(XX)	1377	1454	1507(XX)	1377	1454	1454	1454
1963	1355	1298	1363	1300	1408	1526(1)	1506(1)	1637	1623	1527	1511	1476	1458	1511	1476	1458	1458	1458
1964	1453	1370	1359	1379(2)	1513	1547(1)	1502	1669	1692(2)	1631	1506(1)	1456(1)	1506	1506(1)	1456(1)	1506	1506	1506
KAGOSHIMA																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	31	36	N	130	34	E
1957	1921	1929	1895	1895	2045	2124	2088	2181	2204	2051	2036	1973	2028	2036	1973	2028	2028	2028
1958	1799	1862	1879	1879	2006	2180	2090	2108	2235	2118	2059	1937	2016	2059	1937	2016	2016	2016
1959	1865	1874	1861	1946	2016	2159	2197	2197	2218	2233	2057	1982	2050	2057	1982	2050	2050	2050
1960	1909	1881	1950	1928	2006	2112	2065	2239(2)	2129	2115	2012	1864	2017	2012	1864	2017	2017	2017
1961	1854	1864	1848	1889(1)	1921	2083	2097	2193	2188	2173	2031	1924	2005	2031	1924	2005	2005	2005
1962	1888	1813	1772	1878	1913	2080	2195	2127(1)	2114(1)	2192	2056	1931	1995	2056	1931	1995	1995	1995
1963	1870	1756	1793	1788	1935	2052	2067	2160	2146	2060	2027	1946	1967	2027	1946	1967	1967	1967
1964	1942	1847	1871	1889	2037	2064	2058	2228	2216	2155	2057	1996	2030	2057	1996	2030	2030	2030
MISUMI																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	32	37	N	130	27	E
1957	4090	4094	4065	4098	4238	4324	4363	4424	4388	4250	4225	4181	4228	4225	4181	4228	4228	4228
1958	4010	4048	4105	4094	4208	4366	4332	4384	4392(115)	4276	4230	4104	4212	4230	4104	4212	4212	4212
1959	4018	4035	4027	4142	4212	4351	4436	4410	4420	4405	4228	4151	4236	4228	4151	4236	4236	4236
1960	4063	4053	4013	4106	4183(1)	4305	4283	4345	4345	4263	4177	4032	4173(XX)	4177	4032	4173(XX)	4173	4173
1961	4004	4020	4013	4098	4134	4280	4306	4400	4371	4306	4205	4095	4186	4205	4095	4186	4186	4186
1962	4056	3978	3959	4066	4133	4254	4374	4340	4298(2)	4356	4226	4105	4179	4226	4105	4179	4179	4179
1963	4024	3914	3965	3982	4113	4226	4272	4358	4326	4356	4181	4105	4133(XX)	4181	4105	4133(XX)	4133	4133
1964	4090	3989	4031	4072	4221	4268	4276	4384(3)	4376	4286	4209	4110	4193	4209	4110	4193	4193	4193
SASEBO																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	33	10	N	129	43	E
1951	2444	2502	2517	2543	2863	2807	2889	2933	3031	2895	2712	2595	2728	2712	2595	2728	2728	2728
1952	2559	2558	2602	2695	2799	2776	2877	2955	2995	2886	2878	2695	2764(XX)	2878	2695	2764(XX)	2764	2764
1953	2591	2582	2592	2628	2798	2880	2877	3003	3038	2902	2757	2695	2779	2757	2695	2779	2779	2779
1954	2709	2561	2576	2615	2660	2818(XX)	2818(XX)	2918(XX)	2908(XX)	2774	2647	2621	2777(XX)	2647	2621	2777(XX)	2777	2777
1955	2561	2462	2520	2661	2756	2829	2902	2937	2932(XX)	2901	2805	2580	2738	2805	2580	2738	2738	2738
1956	2565	2605	2601	2635	2771	2871	2921	2992	2934	2840	2800	2629(XX)	2768	2800	2629(XX)	2768	2768	2768
1957	2624	2594	2630	2628	2772	2930	2896	2895	2975	2850	2758	2633	2758	2758	2633	2758	2758	2758
1958	2548	2594	2583	2670	2731	2893	2999	2967	2980	2957	2793	2693	2785	2793	2693	2785	2785	2785
1959	2596	2596	2583	2670	2762	2880	2861	3004	2937	2831	2753	2575	2757	2753	2575	2757	2757	2757
1960	2596	2575	2647	2670	2762	2880	2861	3004	2937	2831	2753	2575	2757	2753	2575	2757	2757	2757
1961	2541	2553	2560	2636	2695	2838	2921	3002	2972	2891	2790	2686	2758	2790	2686	2758	2758	2758
1962	2618	2533	2513	2617	2696	2818	2928	2900	2875	2929	2801	2667	2742	2801	2667	2742	2742	2742
1963	2562	2453	2522	2558	2692	2802	2855	2921	2896	2774	2752	2673	2705	2752	2673	2705	2705	2705
1964	2654	2541	2589(4)	2628(5)	2794(9)	2848(8)	2842(3)	2964(3)	2963	2895	2802(6)	2706	2769	2802(6)	2706	2769	2769	2769

JAPAN, KYUSHU (CONTINUED)

IZUHARA YEAR	34 12 N 129 18 E												
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1951	..(31)	..(28)	..(31)	..(30)	1656	1772	1800	1824	1914	1830	1673	1592	1537(XX)
1952	1532	1505	1541	1592	1504	1748	1813	1877	1805	1805	1780	1615	1691
1953	1546	1520	1524	1575	1677	1783	1782	1900	1890	1813	1701	1597	1692
1954	1627	1523	1498	1540	1578	1705	1783	1828	1762(XX)	1811	1709(XX)	1617(XX)	1665
1955	..(31)	1514	1553	1552	1661	1693	1791(XX)	1854(XX)	1771(XX)	1766(XX)	1589(XX)	..(31)	1674(XX)
1956	..(31)	1478	1488	..(30)	..(31)	..(30)	..(31)	1862(XX)	..(30)	..(31)	..(30)	..(31)	..
1957	..(31)	1493(XX)	1508(XX)	..(30)	1506	1730	1729	1791	1877	1676	1581	1513	1650(XX)
1958	..(31)	..(28)	1467	1492	1506	1767	1832	1905	..(30)	..(31)	..(30)	..(31)	1637(XX)
1959	1498	1474	1467	1515	1634	1767	1852	1905	..(30)	..(31)	1702	1549	1730(XX)
1960	..(31)	..(29)	..(31)	1572	1670	1757	1765	1914	1856	1787	1688	1632	1676
1961	1519	1517	1522	1537	1604	1732	1805	1888	1853	1816	1720	1618	1665
1962	1577	1491	1471	1530	1612	1732	1816	1830	1793	1795	1720	1618	1665
1963	1538	1431	1462	1471	1568	1705	1749	1830	1825	1729	1699	1603	1634
1964	1605	1510	1518(2)	1552(2)	1674	1740	1759	1885	1838(9)	1755	1714	1634	1682

JAPAN, NANSŌ SHOTO

NASE YEAR	28 23 N 129 30 E												
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
* 1957	..(31)	..(28)	..(31)	2211	2332	2406	2581	2607	2541	2414	2364	2253	2412(XX)
* 1958	2207	2176	2146	2185	2371	2409	2441	2404	2510	2342	2268	2201	2305
* 1959	2201	2280	2280	2293	2277	2369	2413	2517	2534	2427	..(30)	..(31)	2359(XX)
* 1961	..(31)	..(28)	2234	2237	2370	2498	2503	2519	2524	2496	2372	2324	2408(XX)
1962	2217	2125	2227	2186	2288	2425	2602	2618	2620	2504	2430(5)	..(31)	2386(XX)
1963	2239(14)	2164	2201	2338	2389	2558	2517	2570	2596	2572	2484	2409	2420
1964	2235	2099	2102	2255	2398	2463(12)	2536(9)	2535	2464	2439	2365	2310	2350

* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

JAPAN, HONSHU (WEST COAST)

SHIMONOSEKI (I) YEAR	33 58 N 130 57 E												
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	2417	2350	2343	2412	2505	2618	2719	2649	2609	2638	2519	2401	2515
1963	2334	2239	2253	2348	2452	2556	2627	2764	2685	2554	2556	2492	2538
1964	2443	2282(2)	2366	2418	2556	2630	2693	2737	2731	2635	2542	2467	2538
SHIMONOSEKI (II) YEAR	33 58 N 130 57 E												
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1955	..(31)	..(28)	1710(XX)	1751	1865	1924	2001	2022	1958	1866	1796	1787	1868(XX)
1956	1716	1610	1668(XX)	1749(XX)	1833(XX)	1927	2008(XX)	2035	2002	1969	1906	1698	1836(XX)
1957	1719	1710	1739	1741	1842	1927	1992	2039	2015	1930	1877	1831	1864
1958	1677	1719	1751	1715	1820	1963	1959	1962	2029	1940	1872	1737	1843
1959	1637	1626	1630	1737	1830	1966	2060	2019	1992	1866	1882	1828	1849
1960	1743	1695	1704	1721	1811	..(30)	..(31)	..(31)	..(30)	..(31)	..(30)	..(31)	..
TONOURA YEAR	34 54 N 132 04 E												
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	920	830	812	859	944	1060	1192	1197	1177	1148	1053	989	1015
1963	938	758	762	772	904	1009	1144	1184	1137	1019	1023	957(1)	967
1964	905	794	835	835	1026	1102	1168	1201	1211	1087	1068	985	1018

JAPAN, HONSHU (WEST COAST) (CONTINUED)

OMINATO	41	15	N	141	09	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1952	••(31)	••(29)	••(31)	••(30)	••(31)	1629	1670	1733	1792	1664	1577	••(30)	1531
1953	1589	1458	1428	1462	1509	1567	1613	1715	1615	1605	1566	1494	1553
1954	1474	1421	1360	1381	1452	1439	1491	1562(XX)	1587(XX)	1606	1522	1534	1489
1955	1523	1524	1392	1408	1476	1554(XX)	••(31)	1692(XX)	1603	1529(XX)	1566	1568	1526(XX)
1956	1533	1491	1381	1448	1521	1585	1620	1669	1644	1586	1615	1632	1560
1957	1523	1473	1519	1467	1547	1589	1639	1665	1661	1652	1579	1575	1574
1958	1516	1452	1497	1443(XX)	1563(XX)	1607(XX)	1650	1653	1657(XX)	1585(XX)	1573(XX)	1561(XX)	1563
1959	1547(XX)	1395	1383(XX)	1539(XX)	1527(XX)	1583(XX)	1713(XX)	1709(XX)	1739(XX)	1654(XX)	1598	1598	1577
1960	1559	1463	1411	1416(XX)	1479(XX)	1610	1621	1649	1684	1512	1521	1545	1539
1961	1523	1548	1402	1456	1514	1600	1660	1726	1695	1543	1516	1591	1565
1962	1568	1492	1467	1461	1525	1602	1648	1712	1683	1643	1588	1571	1580
1963	1685	1473	1415	1387	1440	1516	1592	1657	1684	1537	1613	1618	1551
1964	1509	1433	1436	1385	1491	1578	1655(3)	1684	1686	1590	1621	1593	1555

GAUGE ESTABLISHED JUNE 1952.

ASAMUSHI

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1085	1006	968	967	1027	1086	1147	1227	1213	1156	1105	1097	1091
1963	1207	1000	928	891	948	1028	1121	1191	1208	1059	1132	1130	1072
1964	1025	948	957	900	1004	1098	1164	1204(4)	1200	1089	1122	1087	1065

PHILIPPINE ISLANDS

MANILA	14	35	N	120	58	E							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	2112	2051	2131	2204	2231	2262	2374	2377	2353	2304	2249	2176	2235
1963	2085	2076	2124	2149	2185	2298	2307	2280	2335	2240	2137	2118	2195
1964	2042	2033	2073(XX)	2121(XX)	2231(XX)	2237(XX)	2274(XX)	2405	2335	2332	2329(XX)	2231(XX)	2220

LEGASPI

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1554	1710	1585	1609	1628	1625	1661	1679	1676	1695	1585	1539	1629
1963	1539	1542	1536	1582	1606	1573	1579	1579	1612	1591	1576	1527	1570
1964	1475	1518	1543(XX)	1576	1649	1640	1625	1622	1628	1628	1640	1570	1593

TACLOBAN, LEYTE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1487	1469	1539	1585	1612	1 09	1646	1646	1643	1637	1567	1472	1576
1963	1484	1484	1500	1536	1548	1588	1588	1554	1597	1542	1463	1448	1528
1964	1399	1433(XX)	1478(XX)	1524(XX)	1585(XX)	1588	1570	1609	1606	1597	1606(XX)	1521	1543

CEBU

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1667	1646	1689	1747	1768	1783	1826	1811	1823	1811	1768	1686	1752
1963	1663	1655(6)	1661	1679	1707	1740	1747	1734	1740	1722	1646	1631	1692
1964	1567	1594	1622(XX)	1670	1747(XX)	1750	1756(XX)	1783(XX)	1789(XX)	1789(5)	1807(XX)	1731(XX)	1717

DAVAO

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1859	1902	1932	1981	1948	1954	1963	1984	1975	1966	1899	1835	1933
1963	1881	1929	1893	1893	1897	1914	1884	1890	1890	1868(11)	1811	1759	1873(XX)
1964	1722	1765	1829(XX)	1905	1975	1945(XX)	1957(XX)	1945(20)	1966(XX)	1981(XX)	1978(XX)	1887	1904

PHILIPPINE ISLANDS (CONTINUED)

JOLO, SULU ARCHIPELAGO		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	NOV.
1962	1990	1993	1999	2048	2036	2018	2042	2018	2054	2036	2051	1999	2036	2051	1999	2024	1999
1963	1978	2006	2006	1975	1984	1960	1948	1966	1939	1966	1914	1881	1966	2051	1914	1881	1960
1964	1871(6)	1862(116)	1923	1951	1996(XX)	1986(XX)	1975(XX)	1972	2012	2051	2091	2012	2051	2091	2012	2012	1974
AUSTRALASIA																	
DARWIN		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	NOV.
1961	1596	4163	4169	4186	4065	3962	4011	3901	3972	4026	4090	3773	4026	4090	4090	3773	4038
1962	4188(1)	4252	4206	4151	4072	4066	3981	3981	4026	4094	4148	4178	4094	4148	4178	4111	4038
1963	4188(5)	4069(5)	4245	4173	4060	3996	3914	3938	3923	3972	3901	4063	3972	3901	4063	4037	4037
CAIRNS																	
TOWNSVILLE		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	NOV.
1961	1572	1507	1585	1541	1544	1448	1407	1402	1454	1454	1441	1517	1454	1441	1517	1494	1494
1962	1572	1585	1597	1588	1478	1506(3)	1497	1396	1442	1405	1450	1503	1442	1450	1503	1501	1501
1963	1539	1572	1588	1641(29)	1480	1484	1399	1417	1408	1509(10)	1450	1466	1408	1450	1466	1500(XX)	1500(XX)
CORRIGENDUM FOR PUB. SCI. NO. 20 UNIT 1 CM.																	
BOWEN		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	NOV.
1951	1673	1719	1740	1667	1655	1606	1606	1530	1536	1487	1548	1558	1487	1548	1558	1622	1622
1952	1673	1719	1740	1667	1655	1606	1606	1530	1536	1487	1548	1558	1487	1548	1558	1622	1622
1953	1682	1719	1740	1667	1655	1570	1542	1494	1542	1487	1551	1576	1487	1551	1576	1622	1622
MACKAY																	
URANGAN		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	NOV.
1961	3194	2935	3011	2935	2966	2838	2816	2789	2844	2816	2841	2954	2816	2841	2954	2911	2911
1962	2987	2990	2981	2981	2822	2905	2960	2835	2859	2816	2841	2954	2816	2841	2954	2911	2911
1963	2987	2991	2969	3094	2914	2950	2835	2856	2859	2975	2896	2899	2975	2896	2899	2934(XX)	2934(XX)
21 07 S 149 14 E																	
URANGAN		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	NOV.
1958	1811	1942	1917	2018	1905	1966	1908	1862	1865	1859	1814	1987	1859	1814	1987	1904	1904
1959	1954	1945	1990	1969	1981	1768	1753	1829	1865	1865	1890	1951	1865	1890	1951	1904	1904
1960	1881	1829	1981	1829	1905	1829	1753	1829	1865	1865	1890	1951	1865	1890	1951	1904	1904
1961	1920	1890	1920	1859	1920	1868	1832	1817	1804	1838	1878	1881	1838	1878	1881	1859	1859
1962	1905	1957	1920	1859	1920	1868	1832	1817	1804	1838	1878	1881	1838	1878	1881	1859	1859
25 17 S 153 55 E																	
BRISBANE		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	NOV.	DEC.	NOV.	DEC.	NOV.
1961	1067	1128	1128	1067	1189	1128	1067	975	1036	1158	1158	1036	1158	1158	1036	1036	1036
1962	1067	1128	1128	1067	1189	1128	1067	975	1036	1158	1158	1036	1158	1158	1036	1036	1036
1963	1097(15)	1128	1189	1097(14)	1134	1087(XX)	1032(XX)	975	1036	1158	1158	1036	1158	1158	1036	1067	1067
1964	1159	1066	1105	1219(4)	1134	1087(XX)	1032(XX)	975	1036	1158	1158	1036	1158	1158	1036	1067	1067
27 22 S 153 10 E																	

AUSTRALASIA (CONTINUED)

BALLINA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	28 52 S	153 35 E
1960	701(5)	899	646(2)	722	811(11)	732	759(8)	741(2)	713(9)	747(X)	747(X)	747(X)	MEAN	
1961	826(5)	774	774	814(5)	884(11)	884(11)	884(11)	884(11)	884(11)	884(11)	884(11)	884(11)	MEAN	
1962	838(3)	762(2)	811(12)	899(11)	738	1012(2)	777	765	707	805(11)	710(15)	810(X)	MEAN	
1963	802	802	802	896(11)	823	783(2)	668	610(3)	799(3)	789(7)	850	790	MEAN	
1964	844(6)	789(3)	872	896(11)	759	783(2)	668	610(3)	799(3)	789(7)	850	790	MEAN	
COFFS HARBOUR (I)														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	30 20 S	153 00 E
1962	765	860	789	902	899	829	811	756(15)	756(3)	765	725	631	MEAN	
1963	719	637	768	829	829	829	829	829	829	829	829	829	MEAN	
1964	863	811	838	963	914	884	936	802	796	850	850	933	MEAN	
COFFS HARBOUR (II)														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	30 21 S	153 02 E
1961	747	768	780	774	887	866	805	756	756	780	741	802	MEAN	
1962	765	860	789	902	899	829	811	756	756	765	725	631	MEAN	
1963	719	637	768	829	820	637	719	829	829	698	817	761(15)	MEAN	
LORD HOWE ISLAND														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	31 31 S	159 07 E
1961	1192	1367	1338	1402	1480	1225	1175	1128	948	831	957	994	MEAN	
1962	1195(11)	1039(11)	978	1146(2)	1141(5)	1258	1024(3)	1024(3)	1024(3)	1128(2)	1190(2)	994	MEAN	
1963	1195(11)	1039(11)	978	1146(2)	1141(5)	1258	1024(3)	1024(3)	1024(3)	1128(2)	1190(2)	994	MEAN	
1964	975	975	945	975	1036	1158	1097	945	884	914	914	975	MEAN	
NEWCASTLE														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	32 55 S	151 48 E
1962	991	1055	966	978	1091	954	927	927	890	978	978	914	MEAN	
1963	884	975	1036	1067	1067	1067	1036	975	975	914	884	914	MEAN	
1964	975	975	945	975	1036	1158	1097	945	884	914	914	975	MEAN	
SYDNEY														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	33 51 S	151 14 E
1962	933	991	914	933	1052	1039	911	908	899	957	951	893	MEAN	
1963	814	945	917	972	1003	1039	1049	933	939	796	872	866	MEAN	
1964	1024	954	927	954	1018	1045	1070	927	860	927	963	1000	MEAN	
CORRIENNUM FOR 1960 DATA ANNUAL MEAN 307.8														
CAMP COVE														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	33 53 S	151 15 E
1961	811	885	928	903	987	998	938	877	842	875	838	906	MEAN	
1962	919	923	892	925	1050	958	893	895	884	960	942	865	MEAN	
1963	827	937	913	961	996	1021	1042	917	924	783	844	847	MEAN	
PORT KEMBLA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 28 S	150 55 E
1961	710	802	811	747	872	863	829	753	719(18)	725(11)	707	719	MEAN	
1962	725	783(14)	808(6)	814	924	866	786	768	774	811	805	811(10)	MEAN	
1963	680	753	719(9)	908	933	1039(4)	1003	869	847	564	671	799	MEAN	
1964	972	850	860	908	933	1039(4)	1003	869	847	924	908	957	MEAN	

AUSTRALASIA (CONTINUED)														
EDEN	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	37 05 S	149 59 E
YEAR													MEAN	
1961	750	803	831	830	878	936	914	780	765	774	783	847	823	
1962	850	936	893	930	1088	..(30)	..(31)	..(31)	..(30)	..(31)	..(30)	..(31)	831	
1963	729	791	771	802	741	911	885	764	795	631	753	745	776	
WILLIAMSTOWN														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	37 52 S	144 55 E
1962	408	503	469	424	576	634	466	518	497	533	533	393	496	
1963	439	434	447	408	428	550	619	524	533	372	415	393	464	
HOBART, TASMANIA														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	42 50 S	147 19 E
1961	1384	1475	1548	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	..(31)	..(31)	..(30)	..(31)	
1962	1137(2)	1228	1201	1207(21)	1253	1335	1277	1311	1268(1)	1265	1283	1195	1247	
1963	1234	1228	1247(6)	1158(2)	1119(1)	1170(3)	1231	1183	1210	1109	1158(1)	1189	1186	
CORRIGENIUM FOR 1959 MARCH 313.8														
PORT MACDONNELL														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	38 00 S	140 40 E
1962	585	610	549	494	619	689	590	628	584	609(10)	600	446(10)	584	
1963	520	530	548	540	589	705	713	643	622	463	530	482	574	
1964	618	536	572	627	711	815	844	692	646	684	667	654	673	
VICTOR HARBOUR														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	35 34 S	138 38 E
1964	520	457	500	565	643	791	868	645	588	637	565	560	612	
PORT ADELAIDE, OUTER HARBOUR														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 48 S	138 28 E
1946	1521	1447	1518	1439	1598	1492	1738	1483(11)	1358	1341	1408	1496	1489	
1947	1466	1389	1496	1463	1580	1628(4)	1633	1497	1488(11)	1488	1488	1488	1498	
1948	1364	1448	1393	1488	1602	1485	1583	1633	1566	1574	1495	1462	1508	
1949	1422	1451	1404	1446	1529	1522	1562	1497	1411	1629	1530	1482	1489	
1950	1565	1425	1439	1429	1531	1580	1526	1520	1557	1539	1532	1468	1509	
1951	1421	1436	1543	1611	1651	1445	1533	1481	1576	1555(11)	1519	1544	1521	
1952	1408	1415	1498	1506	1645	1711	1533	1481	1510	1454	1491	1491(1)	1531	
1953	1342	1375	1546	1543	1625	1719	1628	1510	1455(11)	1454	1479	1479	1509	
1954	1508	1421	1421	1530	1579	1625	1558	1493	1434	1391	1504	1529	1494	
1955	1548	1393	1421	1450	1642	1592	1577	1844	1511	1721	1626	1553	1578	
1956	1504	1483	1485	1754	1682	1756	1595	1699	1543	1529	1463	1593	1590	
1957	1440	1480	1533	1648	1559	1647	1576	1654	1534	1434	1579	1507	1536	
1958	1414	1430	1504	1445	1754	1648	1668	1478	1472	1560	1488	1379	1509	
1959	1401	1447	1454	1494	1430	1521	1508	1544	1397	1390	1440	1578	1467	
1960	1479	1475	1489	1656	1731	1515	1578	1520	1515	1496	1447	1431	1528	
1961	1462	1525	1514	1599	1577	1677	1588	1537	1465	1533	1446	1439	1523	
1962	1433	1544	1514	1475	1651	1722	1579	1620	1552	1602	1593	1436	1560	
1963	1492	1481	1526	1466	1548	1685	1719	1629	1613	1373	1472	1415	1535	
1964	1506	1448	1489	1557	1636	1796	1877	1642	1598	1646	1580	1560	1612	
PORT LINCOLN														
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 43 S	135 52 E
1964	938	895	941	1026	1106	1267	1306	1076	1050	1075	1016	981	1057	

AUSTRALASIA (CONTINUED)

THEVENARD		32 09 S 133 39 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1964	908	888	931	1007	1070	1219	1243	1008	1006	1056	960	935	1019
ALBANY		35 02 S 117 54 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	725	808	750	829	914	911	719	732	704	631	631	604	757 (XX)
1962	747	710	750	777	911	930	850	741	738	732	646	768	787 (XX)
1963	719	780	805	741	881	911	853	917	753	552	646	701	772
BUNBURY		33 17 S 115 38 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	555	588	576	720	771	671	750	555	555	488	503	558	608
1962	677	607	585	732	863	802	774	646	558	634	628	655	680
1963	622	625	698	710	844	914	796	771	594	518	616	564	689
FREMANTLE		32 03 S 115 44 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	653	731	700	710	814	823	709	689	630	565	575	620	685
1962	674	3713	3680	3636	3592	3532	3365	3392	3466	3530	3554	750	780
1963	750	802	820	802	975	945	890	792	698	677	710	704	797
CORRIGENDUM FOR PUB. SCI. NO. 20		UNIT 1 CM.											
CORRIGENDUM FOR PUB. SCI. NO. 20		UNIT 1 CM.											
PORT HEDLAND		20 18 S 118 35 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	3674	3713	3680	3636	3592	3532	3365	3392	3466	3530	3554	3655	3566
1962	3740	3652	3691	3636	3592	3532	3365	3392	3466	3530	3554	3655	3566
1963	3743	3743(1)	3668	3636	3592	3532	3365	3392	3466	3530	3554	3655	3566
CORRIGENDUM FOR PUB. SCI. NO. 20		UNIT 1 CM.											
CORRIGENDUM FOR PUB. SCI. NO. 20		UNIT 1 CM.											
AUCKLAND HARBOUR		36 51 S 174 49 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	2865 (3)	2944 (6)	2960	2920	2914	2941	2932	2890	2941 (8)	2859	2893	2890	2912
1961	2938	2893	2899	2896	2944	2923	2902	2880	2920	2819	2798	2838	2887
MOTURIKI ISLAND (BAY OF PLENTY)		37 39 S 176 11 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	1713	1713	1737	1734 (2)	1817	1753 (9)	1753 (5)	1737	1765 (3)	1643 (2)	1713	1719	1741 (XX)
1961	1756 (8)	1713	1737	1734 (2)	1817	1753 (9)	1753 (5)	1737	1765 (3)	1643 (2)	1713	1719	1741 (XX)
WELLINGTON HARBOUR		41 17 S 174 47 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	689	707	710	686	725	735	710	649	692	619	631	616	681
PICTON HARBOUR		41 17 S 174 02 E											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1963	1652	1655	1701	1698	1713	1676	1695	1609	1625	1551	1622	1640	1653
1964	1643	1655	1701	1698	1713	1676	1695	1609	1625	1551	1622	1640	1653

NEW ZEALAND (CONTINUED)

LYTTELTON HARBOUR												43	36	S	172	43	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1960	1049	1021	1003	951(3)	991(2)	1335	978(12)	1079	1021	1073	1088	1222	1025(XX)				
1961	1344	1353	1353	1314	1298	1359	1283(3)	1177	1247	1244	1268	981(4)	1286				
1962	1361	1355(1)	1329(1)	1271	1292	1359	1274	920	942	933	1003	981(4)	999				
1963	1030	1055	1073	1015	1070	997	963	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)				
1964	1055(1)	..	..	..	..	..	..	..	..	..	..	..	..
TIMARU HARBOUR												44	24	S	171	16	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1962	1347	1350(7)	1359(15)	1347	1283	1362	1314	1378	1286(10)	1381	1402	1320	..				
1963	1347	1350	..	..	1393	1332	1295	1268	1414	1417	1503	1515	1378		
1964	1567	..	..	..	..	..	..	..	..	..	..	..	..
DUNEDIN (DTAGO HARBOUR)												45	53	S	170	31	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1963	..(31)	1049	1036	1012	1100	1012	1012	963	985	..(31)	1021	..(31)	..				
SOUTHLAND HARBOUR (BLUFF)												46	36	S	168	21	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1960	..(31)	..(29)	..(31)	..(30)	..(31)	..(30)	..(30)	1652	1622	1734(1)	..(30)	..(31)	..				
1961	1652	1686	1655	1634(4)	1618	1722	1670	1573	1646	1634	1618	1762	1646(XX)				
1962	1478(3)	1475	1567	1606	1698(8)	1774	1704	1710(5)	1707	1750	1762	..(31)	1657(XX)				
GREYMOUTH HARBOUR												42	27	S	171	12	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1961	1996	2015	2033	2045(1)	2094	2155	2164	2060	2118	1993	2070	1920	2055				
1962	1917	1899(5)	1841(3)	1890(14)	..(31)	..(30)	2070	2054	2063	2146	2067	2009	1996(XX)				
1963	2027	2060	2118	2067	2164	2149	2185	2094	..(30)	..(31)	..(30)	..(31)	..				
1964	..(31)	..(29)	..(31)	2088	..	..	..	..	..	..	..	..	..
WESTPORT HARBOUR												41	45	S	171	36	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1962	..(31)	..(28)	..(31)	1829	1884	1890	1902	1887(3)	1804	1881	1868	1750	1855(XX)				
PORT NELSON												41	15	S	173	17	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1956	..(31)	..(29)	..(31)	..(30)	..(31)	..(30)	2295(6)	2286	2225	2280	2295	2292	..				
1957	2249	2252	2365	2377	2396	2280	2243	2237	2265	2253	2329	2326	2306				
1960	2289	2301(4)	2289	2237	2277(5)	2298	2271(3)	2237(1)	2307	2298(8)	2289(7)	2316(8)	2284				
PORT TARANAKI												39	03	S	174	02	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1962	2566	2554	2588	..(30)	..(31)	..(30)	2594	2615	..(30)	2646	2624	2533	..				
1963	2569	2594	2627	2637	2667	2621	2688	2560	2573	2454	..(30)	..(31)	..				
MANUKAU HARBOUR (ONEHUNGA WHARF)												36	56	S	174	47	E
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN				
1961	..(31)	..(28)	..(31)	..(30)	..(31)	2676	2661	..(31)	..(30)	..(31)	..(30)	..(31)	..				

NEW ZEALAND (CONTINUED)

POR T WHANGAREI
 YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. MEAN
 1963 ..(31) ..(28) ..(31) ..(31) ..(30) ..(30) ..(31) ..(31) 1673(2) 1686(4) 1750(17) ..
 1964 1704 1780 1759 1826 1823 1820 1777 1710 1643 1734 1698(1) ..(31) ..

WHANGAREI HARBOUR (MARSDEN POINT)
 YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. MEAN
 1964 ..(31) ..(29) ..(31) ..(30) 1527 1512 1481 1417 1329(5) 1430 1396(1) ..(31) ..

APRA HARBOR, GUAM
 YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. MEAN
 1961 750 783 844 835 887 939 920 866 881 860 783 780 844
 1962 841 823 872 948 936 860 860 869 811 796 786(XX) 762 850
 1963 774 762 890 920 908 860 783 802 802 689 671 637 792
 1964 704 747 753 780 808 853 884 875 847 771 786 774 799

TRUK, MOEN ISLAND
 YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. MEAN
 1961 1033 1094 1128 1161 1155 1109 1091 1155 1109 1140 1116 1116 1115
 1962 1042 1076 1134 1166 1155 1109 1134 1106 1082 1177 1158 1094 1119
 1963 1042 1076 1125 1097 1097 1085 1024 1003 988 1006 914 899 1030
 1964 981 1052 1103 1134 1137 1143 1131 1143 1161 1177 1151 1058 1113

ENTWETOK
 YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. MEAN
 1961 1344 1353 1390 1411 1390 1390 1405 1451 1436 1393 1341 1317 1385
 1962 1341 1369 1378 1399 1463 1430 1484 1451 1430 1420 1387 1362 1411
 1963 1317 1390 1460 1445 1375 1350 1308 1402 1353(XX) 1372(XX) 1298 1311 1366
 1964 1244 1314 1405 1366 1378 1359 1362 1381 1335 1350 1341 1295 1344

KWAJALEIN
 YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. MEAN
 1961 1430 1463 1484 1469 1487 1497 1475 1484 1509 1484(XX) 1466 1387 1470
 1962 1439 1478 1478 1494 1490 1497 1512 1518 1521 1518 1484 1460(XX) 1487
 1963 1362 1490 1512 1469 1460 1433 1402 1411 1372 1390 1362 1356 1417
 1964 1353 1396 1481 1481 1509 1463 1439 1445 1494 1463 1430 1369 1444

WAKE ISLAND
 YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. MEAN
 1961 1600 1542 1527 1533 1487 1500 1588 1692 1719 1615 1433 1448 1557
 1962 1475 1435 1524 1667 1524 1545 1625 1710 1646 1603 1484 1475 1561
 1963 1460 1561 1527 1548 1588 1658 1640 1670 1481 1573 1564 1561 1570
 1964 1533 1533 1542 1542 1576 1451 1576 1585 1509 1554 1646 1631 1557

NEW CALEDONIA

NDUMEA YEAR	JAN.	FEB.	MAR.	APR.	MAY	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	166 26 E MEAN
1960	-2513	-2432	-2444	-2497	-2480	-2529	-2514	-2473	-2475	-2469	-2443	-2481
1961	-2390(12)	-2459(10)	-2459(14)	-2419(14)	-2441(6)	-2422	** (31) -2413(7)	-2410	-2394	-2438(10)	-2348	-2400(XX)
1962	-2316	-2329	-2408	-2476	-2455	-2523(12)	-2507(18)	-2469	-2429(17)	-2408(19)	** (31) -2438(XX)	-2438(XX)
1963	-2562(12)	-2408(4)	-2407	-2433	-2477	-2436(24)	-2454(24)	-2473(5)	-2506(18)	-2452(10)	-2399(10)	-2461
1964	-2345	-2293(4)	** (31) -2403(15)	-2423(6)	-2456(14)	-2496(3)	-2472(10)	-2473(5)	-2407(8)	-2442(1)	-2407(3)	-2420(XX)

AMERICAN SAMOA

PAGO PAGO YEAR	JAN.	FEB.	MAR.	APR.	MAY	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	170 41 W MEAN
1961	1146	1152	1152	1122	1146	1207	1244	1253	1180	1119	1106	1170
1962	1125	1119	1100	1186	1231	1186	1186(XX)	1189(XX)	1189	1164	1137	1167
1963	1092	1109	1134	1241	1189	1167	1195	1167	1167	1152	1116	1161
1964	1076	1067	1091	1091	1128	1213	1228	1219	1228	1234	1177	1160

PHOENIX ISLANDS

CANTON ISLAND YEAR	JAN.	FEB.	MAR.	APR.	MAY	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	171 43 W MEAN
1961	1472	1442	1469	1439	1387	1417(XX)	1466	1490	1490	1451	1475	1454
1962	1375	1390	1378	1372	1396	1384	1439	1439	1451	1472	1472	1414
1963	1436	1442	1442	1454	1451	1420	1469	1554	1554	1536	1524	1481
1964	1512	1442	1350	1387	1396	1384	1405	1414	1408	1445	1512	1423

MIDWAY ISLAND

MIDWAY ISLAND YEAR	JAN.	FEB.	MAR.	APR.	MAY	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	177 22 W MEAN
1961	1003	1058	1143	972	887	948	908	1015	1125	1012	1116	1004
1962	1006	1009	975	997	869	920	890	957	960	969	1049	957
1963	1131	1076	991	985	1027	1015	1030(XX)	1039	1049	985	991	1021
1964	1042	1091	1003	860	975	1039	1109	1103	1143	1201	1137	1066

JOHNSTON ISLAND

JOHNSTON ISLAND YEAR	JAN.	FEB.	MAR.	APR.	MAY	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	169 31 W MEAN
1961	1600	1542	1527	1533	1487	1588	1692	1719	1615	1433	1448	1557
1962	927	1012	** (31) 710	747	677	908	951	991	** (31) 939	963	972	841
1963	762(XX)	838	710	722	756	869	899(XX)	933	939	963	799	892
1964	841	753	945	933	826	872	942	988	994	936	936	917

NAWILIWILI, KAUAI

NAWILIWILI, KAUAI YEAR	JAN.	FEB.	MAR.	APR.	MAY	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	159 21 W MEAN
1961	1170	1134	1134	1152	1106	1274	1277	1317	1280	1167	1134	1198
1962	927	1012	963	988	917	942	966	948	939	902	957	948
1963	969	942	942	884	887	878	969	1009	1000	1009	997	948
1964	829	835	869	863	896	960	1042	1033	945	933	936	917

HONOLULU

HONOLULU YEAR	JAN.	FEB.	MAR.	APR.	MAY	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	157 52 W MEAN
1961	1384	1344	1335	1381	1329	1442	1487	1524	1490	1366	1335	1409
1962	1454(XX)	1439	1396	1362	1364	1402	1387	1372	1372	1399	1423	1402
1963	1411	1375	1362	1335	1378	1378	1366	1469	1451	1423	1396	1399
1964	1314	1314	1350	1356	1347	1457	1436	1442	1390	1393	1408	1380

HAWAIIAN ISLANDS (CONTINUED)													
MOKUOLOE, OAHU			21 26 N			157 47 W							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1170	1134	1134	1152	1106	1225	1274	1277	1317	1280	1167	1134	1198
1962	1253	1237	1198	1161	1170	1186	1204	1180	1204	1164	1186	1228	1204
1963	1201	1195	1158	1143	1198	1183	1167	1253	1259	1256	1234	1207	1204
1964	1125	1122	1152	1143	1137	1183	1167	1253	1259	1256	1234	1207	1185
KAHALUI, MAUI													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1042	1024	1064	1061	1027	1109	1125	1143	1177	1146	1058	1033	1084
1962	1085	1094	1039	1030	1012	1055	1055	1030	1045	1030	1033	1073	1049
1963	1064	1045	1018	988	1030	1039	1049	1100	1094	1052	1055	1064	1033
1964	975	988	1027	988	981	1006	1088	1073	1094	1052	1055	1064	1033
HILO													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1527	1457	1487	1460	1539	1582	1570	1570	1634	1536	1469	1405	1520
1962	1527	1472	1457	1506	1414	1375	1408	1426(XX)	1442(XX)	1460	1433	1448	1448
1963	1500	1451	1433	1420	1411	1448	1439	1564	1573	1503	1481	1442	1472
1964	1408	1372	1393	1421	1375	1405	1521	1494	1554	1530	1475	1521	1456
CHRISTMAS ISLAND													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1173	1189	1128	1152	1097	1164	1207	1201	1207	1216	1161	1201	1178
1962	1125	1082	1122	1075	1134	1146	1167	1222	1201	1186	1161	1231	1155
1963	1158	1167	1158	1173	1173	1195	1274	1277	1292	1301	1323	1256	1228
1964	1241	1113	1042	1091	1091	1109	1161	1116	1125	1131	1158	1271	1138
MATAVAI, TAHITI													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	2897	2870	2855	2849	2860	2941	2949	2928	2934	2950	2964	2947	2912
1961	2927(3)	2926(5)	2877(2)	2939(2)	2871(15)	2898	2887	2911	2880	2914	2929(13)	2934	2917
1962	2861	2824	2824	2831	2859	2859	2887	2910	2910	2935	2935	2925	2892(XX)
1963	2831	2815	2877(1)	2862(1)	2904(22)	2900(15)	2961(6)	2949	2919	2919	2943	2949	2918(XX)
1964	2947	2915	2892	2839	2803	2866	2874	2907	2903	2864	2860	2867	2878
EASTER ISLAND													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	384	490	499	441	403	372	324	388	299	297	329	361	382
MASSACRE BAY, ATTU													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1807	1679	1576	1548(XX)	1463	1515	1506	1570(XX)	1631	1576	1682	1731(XX)	1622
1962	1762	1663	1655	1439	1573	1606	1606	1689	1603	1655	1667	1652	1658
1963	1771	1643	1582	1512	1628	1649	1637	1637	1725	1625	1661	1844	1658
1964	1804	1780	1728	1701(XX)	1442	1606(XX)	1640	1704	1710	1638(XX)	1660	1670	1677

LINE ISLANDS

ILES DE LA SOCIETE

EASTER ISLAND

UNITED STATES, ALEUTIAN ISLANDS

UNITED STATES, ALEUTIAN ISLANDS (CONTINUED)

SWEEPER COVE, ADAK			51 52 N 176 39 W										
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	..(31)	..(28)	..(31)	..(31)	1634	1573	1612	1603	1564	1692	1786	1689	1588
1962	..(31)	..(28)	..(31)	1378	1524	1524	1533	1600	1564	1692	1786	1689	1588
1963	1823	1682	1597	1551	1628	1679	1597	1603	1695	1615	1695	1829	1661
1964	..(31)	..(29)	..(31)	..(30)	1317	1481	..(31)	1548	..(30)	..(31)	..(30)	..(31)	..(31)
UNALASKA			53 53 N 166 32 W										
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1917	1750	1682	1481	1606	1536	1558	1628	1567	1564	1612	1603	1625
1962	1628	1664	1594	1490	1512	1512	1539	1582	1591	1701	1841	1713	1615
1963	1740	1719	1472	1500	1579	1615	1542	1551	1722	1710	1701	1890	1646
1964	1841	1728	1524	1500	1405	1548	1561	1597	1615	1600	1579	1539	1586
WOMENS BAY			57 43 N 152 31 W										
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	3072	3027	2999	2786	2829	2862	2804	2859	2880	2932	2911	2877	2907
1962	2844	2789	2822	2886	2755	2819	2792	2859	2975	3054	3085	2987	2890
1963	2795	3021	2810	2825	2862	2880	2880	2880	3045	3130	3042	3097	2938
1964	4849	4651	4621	4593	4493	4532	4551	4584	4554	4606	4514	4474	4585
LAND SUBSIDENCE OF 5.5 FT AS RESULT OF ALASKA EARTHQUAKE OF MARCH 1964.													
SEWARD			60 05 N 149 27 W										
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	3539	3557	3453	3213	3277	3371	..(31)	3368	3484	3563	3624	3453	3392
1962	3380	3264	3292	3380	3286	3304	3304	3368	3560	3767	3591	3642	3426
1963	3252	3481	3249	3277	3338	3322	3335	3310	3600	3789	3801	3658	3649
1964	3831	3667	3597	3536	3475	3514	3603	3694	3600	3789	3801	3658	3649
DATUM CHANGE. SEE TABLE A.													
YAKUTAT			59 32 N 139 44 W										
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1940	2792	2761	2707	2533	2536	2536	2518	2640	2682	2780	2701	2868	2673
1941	2859	2704	2704	2627	2542	2545	2573	2512	2573	2725	2758	2783	2658
1942	2804	2688	2637	2633	2527	2487	2505	2521	2487	2731	2682	2682	2615
1943	2597	2594	2496	2568	2405	2426	2518	2542	2591	2710	2801	2774	2585
1944	2836	2469	2524	2536	2481	2408	2472	2505	2515	2701	2786	2704	2579
1945	2822	2633	2676	2448	2441	2512	2566	2466	2530	2664	2682	2725	2597
1946	2673	2694	2643	2560	2411	2444	2478	2548	2585	2630	2524	2579	2560
1947	2564	2518	2515	2475	2435	2509	2496	2505	2554	2877	2646	2786	2573
1948	2734	2509	2509	2423	2457	2390	2475	2448	2615	2719	2777	2643	2560
1949	2554	2565	2521	2521	2432	2512	2417	2530	2566	2612	2758	2609	2548
1950	2396	2630	2536	2481	2432	2417	2496	2542	2557	2701	2539	2655	2533
1951	2591	2490	2451	2390	2411	2405	2408	2414	2521	2536	2688	2512	2484
1952	2630	2585	2466	2469	2402	2396	2341	2423	2557	2557	2694	2902	2536
1953	2691	2609	2472	2472	2429	2365	2390	2460	2557	2713	2771	2713	2560
1954	2579	2566	2371	2402	2344	2469	2438	2362	2460	2609	2731	2749	2505
1955	2643	2487	2384	2466	2411	2374	2359	2451	2417	2609	2481	2521	2466
1956	2588	2435	2414	2353	2384	2423	2356	2472	2451	2579	2588	2542	2466

UNITED STATES, ALASKA (CONTINUED)

YAKUTAT (CONTINUED)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1957	2262	2432	2472	2365	2390	2405	2414	2426	2512	2524	2652	2737	2466
1958	2795	2691	2402	2429	2399	2335	2377	2505	2496	2655	2694	2670	2536
1959	2618	2527	2594	2417	2377	2448	2441	2448	2530	2527	2585	2725	2521
1960	2582	2563	2515	2444	2444	2432	2417	2429	2478	2640	2676	2670	2533
1961	2685	2691	2633	2387	2481	2481	2374	2478	2441	2548	2569	2557	2521
1962	2457	2313	2326	2399	2292	2326	2320	2359	2512	2615	2704	2557	2435
1963	2347	2600	2393	2426	2420	2417	2380	2347	2573	2795	2670	2646	2502

GAUGE ESTABLISHED 1940.

SITKA

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	4362	4356	4316	4167	4154	4289	4304	4401	4316	4313	4237	4176(XX)	4282
1962	3063	2978	2954	3011	2905	2932	2883	2950	3054	3191	3280	3206	3033
1963	2938	3188	2990	3030	3002	2981	2978	2929	3152	3341	3295	3228	3088
1964	3286	3033	3008	2914	2893	2944	3005	3030	2978	3109	3130	3158	3041

SKAGWAY

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	4362	4356	4316	4167	4154	4289	4304	4401	4316	4313	4237	4176(XX)	4282
1962	4023(XX)	4255	4057	4103	4151	4182	4328	4240	4383(XX)	4529	4389(XX)	4328(XX)	4249
1964	..(31)	..(29)	..(31)	..(31)	..(30)	4215	4316	4298	4167	..(31)	4215	..(31)	..

JUNEAU

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1936	4663(XX)	4481(XX)	4465(XX)	4465(XX)	4542(XX)	4636	4648	4575	4578	4663	4755	4740	4602
1937	4322	4566	4566	4566	4535	4584	4575	4648	4560	4718	4674	4694(XX)	4584
1938	4648	4554	4642	4548	4502	4526	4526	4484	4606	4718	4657	4673	4590
1939	4673	4441	4459	4438	4517	4499	4560	4581	4633	4648	4782	4941	4696
1940	4700	4700	4645	4508	4557	4538	4578	4636	4633(XX)	4694(XX)	4663(XX)	4816(XX)	4639
1941	..(31)	..(28)	..(31)	..(31)	..(30)	..(30)	..(30)	..(31)	..(30)	..(30)	..(31)	..(30)	4615(XX)
1942	..(31)	..(28)	..(31)	..(31)	..(30)	..(30)	..(30)	..(31)	..(30)	..(30)	..(31)	..(30)	4557(XX)
1943	..(31)	..(28)	..(31)	..(31)	..(30)	..(30)	..(30)	..(31)	..(30)	..(30)	..(31)	..(30)	4517(XX)
1944	4724	4404	4407	4441	4441	4462	4447	4490	4444	4545	4645	4526	4499
1945	4557	4650	4578	4292	4356	4414	4481	4374	4407	4572	4517	4575	4465
1946	4526	4557	4517	4465	4333	4432	4493	4438	4520	4548	4426	4435	4474
1947	4404	4334	4371	4343	4377	4465	4465	4407	4462	4734	4538	4654	4462
1948	4599	4334	4362	4325	4389	4386	4438	4398	4490	4584	4442	4490	4453
1949	4371	4386	4386	4410	4420	4438(XX)	4410(XX)	4474(XX)	4456(XX)	4456(XX)	4572(XX)	4410(XX)	4429
1950	4194	4420	4331	4331	4292	4359(XX)	4450	4499	4474	4542(XX)	4331	4526	4395
1951	4398	4292	4237	4237	4285	4334	4356	4374(XX)	4410(XX)	4383	4493	4536	4346
1952	4481(XX)	4395	4313	4325	4298(XX)	4389(XX)	4313(XX)	4343(XX)	4435(XX)	4435(XX)	4523	4712	4414
1953	4496	4395	4392	4307	4333	4310(XX)	4340(XX)	4383	4404	4554	4590	4514	4420
1954	4328	4392	4188	4164	4194	4377	4337	4252	4276	4427	4526	4572	4431
1955	4371	4273	4154	4307	4234	4301	4255	4307	4423	4423	4279	4322	4295
1956	4374(XX)	4231	4237	4167	4212	4319	4258	4334	4295	4401	4359	4325	4292
1957	4066	4185	4261	4173	4249	4337	4351	4295	4313	4285	4417	4508	4285
1958	4557	4447	4206	4261	4194	4191	4182	4295	4307	4410	4423	4380	4322

UNITED STATES, ALASKA (CONTINUED)

JUNEAU (CONTINUED)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	58 18 N	134 24 W
1959	4282	4243	4365	4173	4157	4295	4289	4307	4313	4231	4285	4280	MEAN	24
1960	4305	4319	4240	4285	4252	4261	4270	4243	4249	4414	4441	4380	MEAN	24
1961	4417	4459	4231	4231	4200	4304	4234	4289	4246	4362	4325	4276	MEAN	24
1962	4206	4173	4154	4237	4176	4218	4203	4276	4319	4453	4523	4279	MEAN	24
1963	4151	4334	4173	4203	4240	4267	4276	4231	4377	4584	4465	4307	MEAN	24
1964	4456	4255	4179	4127	4130	4191	4282	4301	4200	4343	4298	4270	MEAN	24
KETCHIKAN	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 20 N	131 38 W
1961	4532	4520	4481	4264	4237	4331	4228	4246	4237	4395	4407	4423	MEAN	38
1962	4322	4292	4200	4264	4206	4276	4179	4276	4289	4462	4554	4505	MEAN	38
1963	4203	4459	4270	4328	4285	4273	4267	4212	4481	4612	4560	4459	MEAN	38
1964	4578	4292	4273	4164	4161	4255	4295	4322	4243	4420	4423	4441	MEAN	38
PRINCE RUPERT, B.C.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	54 19 N	130 20 W
1962	3818	3816	3725	3776	3698	3698	3654	3760	3762	3929	4019	3989	MEAN	20
1963	3731	3990	3773	3853	3798	3786	3801	3728	3917	4112	4090	3999	MEAN	20
1964	4081	3795	3804	3679	3664	3764	3813	3822	3773	3886	3908	3968	MEAN	20
CORRIGENDUM FOR 1939														
CORRIGENDUM FOR 1941														
CORRIGENDUM FOR 1944														
QUEEN CHARLOTTE CITY, B.C.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	53 15 N	132 04 W
1964	..(31)	..(29)	..(29)	..(31)	..(30)	..(31)	3968	3975	..(30)	3975	3999	4078	MEAN	04
BELLA COOLA, B.C.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	52 22 N	126 47 W
1964	..(31)	..(29)	..(31)	..(31)	..(30)	..(20)	2871	2886	..(30)	2886	2853	2905	MEAN	47
BELLA BELLA, B.C.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	52 10 N	128 09 W
1962	2803	2893	2749	2773	2741	2712	2697	2797	2793	2970	3047	3014	MEAN	09
1963	2771	3008	2822	2905	2819	2777	2813	2777	2902	3091	3106	3011	MEAN	09
1964	3103	2768	2825	2682	2679	2768	2810	2841	2807	2860	2929	2990	MEAN	09
PORT MOODY, B.C.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	49 17 N	122 52 W
1964	..(31)	..(29)	..(29)	..(23)	2347	2432	2457	2496	2441	2426(8)	2493(9)	2627	MEAN	52
ALERT BAY, B.C.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	50 35 N	126 56 W
1962	2844	2948	2824	2779	2752	2739	2724	2823	2839	2983	3018	3011	MEAN	56
1963	2801	3018	2847	2950	2862	2789	2835	2795(4)	2917	3018	3082	3005	MEAN	56
1964	3094	2755	2810	2694	2713	2786	2807	2810	2783	2819	2899	2999	MEAN	56
PORT HARDY, B.C.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	50 43 N	127 29 W
1964	..(31)	..(29)	..(31)	..(31)	..(30)	..(31)	2853	2877	2838	2902	2954	3051	MEAN	29
													MEAN	29

MEAN SEA LEVEL DATA (1962-1964)

CANADA (PACIFIC COAST) (CONTINUED)

POINT ATKINSON, B.C.																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	49	20	N	123	14	W	MEAN
1962	2624	2764	2663	2614	2623	2630	2635	2678	2691	2766	2777	2777	2722		2710	2682		2682
1963	2566	2768	2643	2737	2682	2658	2725	2664	2676	2780	2877	2877	2740		2710	2710		2710
1964	2883	2530	2627	2502	2560	2664	2701	2713	2630	2646	2719	2719	2819		2819	2666		2666
VANCOUVER, B.C.																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	49	17	N	123	07	W	MEAN
1962	2364	2488	2380	2331	2343	2359	2369	2421	2433	2504	2532	2532	2525		2420	2420		2420
1963	2341	2533	2420	2505	2429	2387	2444	2420	2487	2560	2627	2627	2533		2474	2474		2474
1964	2649	2292	2408	2271	2313	2408	2432	2460	2411	2408	2487	2487	2597		2428	2428		2428
TOFINO, B.C.																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	49	09	N	125	55	W	MEAN
1962	2109	2229	2100	2031	2045	1970	1973	2062	2089	2209	2262	2262	2257		2110	2110		2110
1963	2067	2249	2115	2222	2097	2018	2079	2070	2146	2274	2353	2353	2265		2163	2163		2163
1964	2353	1981	2054	1920	1935	2006	2021	2085	2054	2091	2185	2185	2292		2081	2081		2081
FULFORD HARBOUR, B.C.																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	48	46	N	123	27	W	MEAN
1962	2170	2304	2208	2141	2171	2151	2164	2213	2251	2298	2313	2313	2301		2289	2289		2289
1963	2170	2332	2222	2313	2234	2207	2256	2246	2292	2341	2426	2426	2313		2289	2289		2289
1964	2444	2103	2207	2067	2094	2179	2222	2246	2213	2204	2268	2268	2384		2219	2219		2219
VICTORIA, B.C.																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	48	25	N	123	22	W	MEAN
1962	1807	1948	1844	1775	1793	1759	1758	1817	1861	1924	1951	1951	1946		1848	1848		1848
1963	1774	1960	1859	1948	1850	1804	1856	1847	1902	1960	2057	2057	1957		1898	1898		1898
1964	2088	1747	1841	1701	1731	1780	1814	1853	1829	1847	1908	1908	2030		1847	1847		1847
CORRIGENDUM FOR 1920																		
CORRIGENDUM FOR 1951																		
ANNUAL MEAN 6.782																		
UNITED STATES (PACIFIC COAST)																		
NEAH BAY																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	48	22	N	124	37	W	MEAN
1961	2167	2222	2213	1905	1942	1893	1862	1911	1853	1878	1948	1948	2045		1986	1986		1986
1962	1932	2085	1966	1902	1920	1811	1801	1914	1935	2070	2115	2115	2097		1963	1963		1963
1963	1881	2094	1963	2088	1948	1856	1914	1859	1972	2091	2198	2198	2079		1996	1996		1996
1964	2210	1841	1923	1774	1795	1844	1871	1893	1884	1914	2039	2039	2152		1928	1928		1928
SEATTLE																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	47	36	N	122	20	W	MEAN
1961	4523	4529	4514	4310	4353	4337	4313	4328	4301	4285	4334	4334	4414		4378	4378		4378
1962	4334	4456	4353	4295	4310	4255	4270	4301	4319	4404	4426	4426	4432		4346	4346		4346
1963	4273	4474	4356	4450	4359	4313	4346	4316	4401	4523	4523	4523	4441		4392	4392		4392
1964	4535	4234	4334	4203	4225	4304	4310	4346	4304	4307	4401	4401	4526		4336	4336		4336
CRESCENT CITY																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	41	45	N	124	12	W	MEAN
1961	2380	2341	2347	2155	2222	2256	2240	2271	2252	2204	2286	2286	2277		2269	2269		2269
1962	2237	2289	2289	2152	2213	2195	2246	2286	2338	2380	2274	2274	2326		2280	2280		2280
1963	2259	2396	2256	2332	2246	2188	2262	2259	2344	2326	2390	2390	2316		2298	2298		2298
1964	2353	2124	2134	2079	2115	2134	2121	2246	2219	2240	2365	2365	2444		2215	2215		2215

UNITED STATES (PACIFIC COAST) (CONTINUED)

SAN FRANCISCO		UNITED STATES (PACIFIC COAST)										37 48 N 122 28 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	2713	2661	2643	2621	2576	2688	2719	2722	2740	2673	2694	2697	2679
1962	2682	2783	2655	2548	2624	2679	2732	2737	2761	2798	2697(XX)	2737	2702
1963	2719	2792	2637	2701	2679	2716	2731	2722	2768	2734	2761	2758	2726
1964	2716	2633	2591	2566	2612	2646	2643	2740	2758	2719	2716	2749	2674
AVILA		UNITED STATES (PACIFIC COAST)										35 10 N 120 44 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1853	1731	1686	1735	1649	1734	1798	1829	1823	1801	1777	1814	1768
1962	1807	1692	1692	1686	1728	1750	1783	1820	1841	1847	1774	1807	1780
1963	1817	1859(XX)	1798(XX)	1737(XX)	1682	1734	1756	1801	1868	1792	1823	1807	1789
1964	1750	1704	1686	1637	1655	1725	1750	1838	1823	1804	1756(XX)	1762(XX)	1741
LOS ANGELES		UNITED STATES (PACIFIC COAST)										33 43 N 118 16 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	2012	1954	1914	1868	1896	1954	2018	2027	2045	1993	1972	1981	1970
1962	1981	1990	1868	1902	1942	1948	1987	2030	2073	2045	1960	1984	1975
1963	1966	1975	1881	1871	1987	1987	2024	2051	2103	2027	2012	2015	1984
1964	1993	1923	1884	1881	1862	1942	1978	2054	2045	2012	1963	1978	1960
SAN CLEMENTE ISLAND		UNITED STATES (PACIFIC COAST)										33 00 N 118 33 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1701(XX)	1649	1655	1615	1545	1640(XX)	1701(XX)	1728	1731	1670	1643	1640	1660
1962	1646	1637	1570	1603	1597	..(30)	1582	..(31)	..(30)	..(31)	..(30)	..(31)	..
STATION DISCONTINUED.													
LA JOLLA		UNITED STATES (PACIFIC COAST)										32 52 N 117 15 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	2079	1993	1963	1984	1948	2012	2088	2155	2137	2082	2079	2057	2051
1962	2067	2027	1945	1990	2009	2015	2033	2100	2131	2115	2045	2054	2045
1963	2097	2045	1987	2003	2033	2103	2158	2182	2204	2149	2128	2149	2103
1964	2088	2012	1978	1975	1966	1999	2060	2137	2124	2091	2045	2042	2043
SAN DIEGO		UNITED STATES (PACIFIC COAST)										32 42 N 117 14 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1990	1929	1905	1899	1884	1954	2021	2009	2033	1990	1969	1999	1965
1962	1975	1954	1875	1887	1887	1990	2039	2070	2131	2045	2030	2021	1993
1963	1981(XX)	1939	1878	1859	1847	1896	1957	2024	2018	1987	1945	1954	1939
1964	1981	1914	1893	1859	1847	1896	1957	2024	2018	1987	1945	1954	1939
ENSENADA		MEXICO (PACIFIC COAST)										31 51 N 116 38 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1620	1598	1513	1546	1561	1599	1626	1677	1756	1677	1611	1634	1618
1963	1592	1599	1523	1559	1558	1569	1568	1583	1641	1565	1534	1541	1569
1964	1499	1434	1390	1362	1351	1436	1574	1684	1674	1631	1584	1568	1515
LA PAZ		MEXICO (PACIFIC COAST)										24 10 N 110 21 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1675	1658	1609	1672	1728	1737	1818	1875	1926	1922	1828	1734	1765
1963	1691	1671	1639	1699	1729	1786	1881	1946	1989	1896	1857	1796	1798
1964	1728	1640	1613	1632	1661	1651	1768	1839	1888	1834	1800	1702	1730
CORRIGENDUM FOR 1954													
NOVEMBER 5, 1919													

COSTA RICA (PACIFIC COAST)

PUNTARENAS															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	58 N	84	50 W
1961	2668	2633	2688	2649	2758	2740	2786	2835	2777	2804	2731	2804	2670	2679	2796
1962	2792	2600	2548	2612	2691	2743	2758	2713	2712	2777	2719	2804	2804	2670	2796
1963	2673	2633	2688	2649	2758	2740	2786	2835	2777	2804	2731	2804	2670	2679	2796
QUEPOS															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	24 N	84	10 W
1961	2734	2734	2752	2737	2868	2886	2862	2883	2838	2838	2768	2902	2813	2803	2827
1962	2859	2731	2673	2746	2801	2844	2841	2829	2853	2822	2822	2813	2813	2803	2827
1963	2780	2795	2807	2783	2880	2926	2877	2905	2899	2902	2835	2935	2935	2860	2860
PUERTO ARMUELLES															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	16 N	82	52 W
1961	2368	2262	2262	2256	2368	2356	2353	2353	2326	2332	2295	2405	2405	2328	2328
1962	2316	2216	2216	2216	2323	2368	2377	2371	2368	2316	2359	2469	2469	2385	2385
1963	2316	2332	2320	2295	2393	2423	2402	2466	2454	2396	2359	2469	2469	2385	2385
BALBOA															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	58 N	79	34 W
1962	3883	3663	3817	3884	3959	4077	4041	4016	4052	4043	3965	3944	3965	3944	3944
1963	3861	3934	3817	3922	4125	4059	4047	4042	4032	4018	3989	4042	4042	3991	3991
1964	3891	3807	3762	3771	3966	3944	4039	4029	3986	3988	3995	3961	3961	3928	3928
NAOS ISLAND															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	55 N	79	32 W
1961	3932	3773	3807	3883	3972	4026	4026	4029	4042	4036	4054	4026	4026	3967	3967
1962	3932	3716	3801	3911	3987	4075	4048	4008	4063	4045	4023	3956	3956	3962	3962
1963	3871	3932	3834	3914	4002	4075	4087	4087	4093	4100	4121	4090	4090	4017	4017
1964	3923	3828	3795	3813	3993	3984	4048	4060	4029	4039	4048	3987	3987	3962	3962
BUENAVENTURA															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	54 N	77	06 W
1961	2719	2524	2591	2640	2734	2771	2755	2777	2752	2749	2716	2761	2761	2707	2707
1962	2725	2857	2515	2670	2780	2783	2813	2792	2829	2801	2825	2758	2758	2737	2737
1963	2734	2734	2667	2694	2771	2822	2804	2825	2822	2795	2783	2835	2835	2774	2774
1964	2728	2627	2621	2609	2710	2728	2774	2780	2758	2743	2734	2737	2737	2712	2712
TUMACO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	50 N	78	44 W
1961	3082	2963	2999	3045	3109	3121	3109	3118	3127	3072	3097	3115	3115	3075	3075
1962	3085	2938	2908	3054	3094	3136	3118	3082	3127	3069	3078	3011	3011	3057	3057
1963	3139	3145	3078	3048	3115	3145	3146	3139	3133	3155	3170	3182	3182	3133	3133
LA LIBERTAD															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	12 S	80	55 W
1961	2670	2661	2661	2624	2630	2618	2603	2588	2560	2573	2563	2630	2630	2615	2615
1962	2633	2597	2548	2539	2554	2637	2621	2591	2640	2633	2615	2615	2615	2597	2597
1963	2643	2676	2609	2643	2661	2658	2658	2661	2633	2640	2652	2676	2676	2651	2651
1964	2646	2630	2633	2566	2600	2563	2600	2612	2563	2588	2612	2588	2588	2600	2600

ECUADOR

ECUADOR (CONTINUED)

SAN CRISTOBAL, GALAPAGOS ISLAND		00 54 S		89 37 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
* 1960	2009	2042	2045	2018	2027	2051	2027	1999	2018	1966	1942	1984	2011
1961	2036	2051	2054	2054	2006	1966	1957	1975	1932	1926	1939	2012	1992
1962	1999	1981	1929	1993	1978	1975	1948	1920	1932	1905	1905	1911	1948
1963	1969	2045	1978	2057	2073	2094	2076	2076	2033	2048	2073	2042	2047

* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

TALARA		04 37 S		81 17 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1744	1762	1762	1759	1731	1743	1707	1698	1670	1682	1704	1719	1726
1962	1753	1722	1710	1765	1750	1753	1722	1692	1722	1679	1667	1661	1716
1963	1728	1820	1789	1762	1807	1789	1740	1746	1719	1667	1643	1737	1746

CHIMBOTE		09 05 S		78 38 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	2109	2085	2115	2088	1990	2149	2051	1951	1945	1999	2006	2070	2046
1962	2091	2057(XX)	2063(XX)	2103	2042	2088	2051	2009	1987	1945	1960	1942	2030
1963	1966	2018(XX)	2073(XX)	2036	2009	2085	2006	1975	1954	1948	1935	1951(XX)	1996

CALLAO		12 03 S		77 09 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1804	1801	1826	1765	1795	1759	1737	1740	1692	1707	1679	1753	1755
1962	1780	1762	1765	1804	1743	1768	1768	1737	1737	1689	1713	1698	1747
1963	1750	1771	1792	1783	1795	1795	1768	1753	1716	1731	1743	1759	1763

SAN JUAN		15 22 S		75 12 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1170	1134	1170	1085	1137	1055	1085	1116(XX)	1049	1119	1103(XX)	1170(XX)	1116
1962	1133	1134	1146	1180	1137	1158	1052	1079	1015	1055	1061	1045	1070
1963	1033	1100	1100	1097	1094	1055	1052	1079	1015	1055	1061	1097	1070

MATARANI		17 00 S		72 07 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1222	1216	1244	1161	1201	1116	1149	1183	1100	1140	1134	1210	1173
1962	1183	1170	1170	1222	1207	1189	1180	1164	1155	1106	1134	1164	1170
1963	1204	1216	1186	1216	1195	1213	1170	1183	1125	1180	1152	1201	1187

ARICA		18 28 S		70 20 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	1670	1643	1619	1666	1644	1687	1581	1592	1617	1563	1610	1586	1623
1963	1632	1677	1633	1692	1715	1698	1658	1663	1565	1675	1644	1697	1662
1964	799	872	798	770	763	757	762	736	734	739	743	767	770

CORRIJENDUM FOR 1958 ANNUAL MEAN 1.689

ANTOFAGASTA		23 39 S		70 24 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1962	792	792	779	810	815	781	745	769	760	710	748	777	773
1963	823	830	817	833	793	805	770	796	762	755	752	815	796
1964	787	812	784(4)	790	760	756	779	724	759	741	734	777	767

CHILE (CONTINUED)

CALDERA															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	70	50	W
1962	1170	1183	1170	1210	1205	1136	1152	1156	1136	1111	1133	1149	1158	1158	
1963	1190	1227	1181	1209	1187	1184	1155	1141	1097	1114	1134	1153	1164	1164	
1964	1142	1166	1122(4)	1173	1210	1182	1205	1154	1166	1119	1163	1178	1164	1164	
VALPARAISO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	71	38	W
1962	876	886	835	853	865	905	860	854	802	789	855	872	854	854	
1963	904	926	877	931	939	910	943	914	898	832	889	904	906	906	
1964	931	918	849	884	867	873	860	874	806	802	845	896	867	867	
TALCAHUANO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	73	06	W
1962	912	949	895	916	925	964	908	911	876	857	914	931	913	913	
1963	938	966	854	918	916	986	937	1016	960	894	899	873	930	930	
1964	913(21)	921	922(4)	905(2)	892(13)	887	960	910	876(4)	864	882	966	908	908	
CORRAL															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	73	26	W
1963	767	792	736	866	867	999	1032	1031	967	807	872	818	881	881	
1964	816	820	781(4)	828	883	967	955	934	864	804	813(8)	923	866	866	
PUERTO MONTE															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	72	57	W
1964	..(31)	..(29)	..(31)	..(30)	..(31)	6955(12)	7036	7018	6950	6915	6956	6975	6972(XX)	6972(XX)	
PUNTA ARENAS															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	70	54	W
1962	1491	1444	1684	1605	1513	1619	1447	1442	1453	1424	1409	1526	1505	1505	
1963	..(31)	1375	1381	1436	1416	1352	1400	1304	1216	1207	1121	1239	1313(XX)	1313(XX)	
1964	..(31)	..(29)	..(31)	..(30)	..(31)	..(30)	..(30)	..(31)	1471	1403	1388	1548	..	..
CORRIGENDUM FOR 1961 ANNUAL MEAN 1-477															
CALETA PERCY															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	70	16	W
1962	1210	1169	1298	1225	1260	1302	1170	1167	1260	1155(11)	1135	1281	1219	1219	
1963	1254	1231	1244	1324	1292	1207	1251	1096	999	1007	1116	1281	1188	1188	
1964	1220	1275	1223	1185	1209	1239	1268	1273	1197	1145	1136	1203	1214	1214	
USHUAIA															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	68	13	W
1960	1099	1129	1132	1172	1109	965	1145	1133	975	1098	1180	1048	1099	1099	
1961	1129	1144	1165	1105	1196	1082	906	1005	1089	1099	1053	1148	1093	1093	
1962	1121	..(28)	1183	1080	1101	1174	971	975	1051	991	969	1128	1068(XX)	1068(XX)	
1963	1120	1119	1139	..(30)	..(31)	..(30)	1061	..(31)	..(30)	..(31)	..(30)	1130	..	..
1964	..(31)	1135	1057	1025	1028	1027	1090	1104	997	985	980	1020	1041(XX)	1041(XX)	

ARGENTINA (CONTINUED)

MAR DEL PLATA (CLUB)		ARGENTINA (CONTINUED)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	38 00 S	57 33 W
1960	959	993	999	1098	1076	978	926	932	855	898	1005	1035	1005	979
1961	1028	1095	1046	1290	1005	948	865	912	850	845	946	986	946	985
1962	982	1008	966	997	979	889	838	918	873	866	917	1018	917	938
1963	1004	954	1067	1032	943	-927	852	811	850	810	850	890	850	916
1964	930	979	996	967	870	1020	750	892	780	807	885	965	885	903

LA PLATA
CORRIGENDUM FOR 1918 ANNUAL MEAN 0.613

BUENOS AIRES		ARGENTINA (CONTINUED)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 36 S	58 22 W
1960	897	819	996	811	755	702	787	710	811	915	852	986	852	837
1961	830	930	890	928	839	870	745	802	820	900	911	944	911	867
1962	846	965	840	1002	862	662	786	649	727	705	727	850	727	799
1963	894	848	919	834	760	715	637	680	957	956	927	959	927	840
1964	770	804	911	837	721	717	524	606	709	756	738	816	738	742

PALERMO

PALERMO		ARGENTINA (CONTINUED)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 34 S	58 24 W
1960	880	836	1001	835	746	704	796	716	826	925	848	981	848	841
1961	846	939	895	931	868	863	731	797	866	916	907	991	907	879
1962	836	970	840	996	830	694	783	639	729	729	740	885	740	806
1963	880	849	911	782	756	650	623	664	961	954	914	969	914	826
1964	766	800	942	830	733	722	532	619	727	790	731	845	731	753

ISLA MARTIN GARCIA

ISLA MARTIN GARCIA		ARGENTINA (CONTINUED)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 11 S	58 15 W
1960	821	874	940	796	719	650	815	713	827	943	869	939	869	821(XX)
1961	788	912	926	993	990	1064	884	800	901	995	961	971	961	929
1962	794	912	798	1062	829	623	789	620	685	680	677	802	677	773
1963	836	854	960	858	752	683	592	653	1001	1015	1084	1051	1084	862
1964	727	739	948	854	746	692	445	556	724	778	675	766	675	721

URUGUAY

PUERTO DE COLONIA		URUGUAY												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34 28 S	57 51 W
1954	1180	1180	1120	1050	970	1220	920	1030	1050	1000	1030	1060	1030	1066
1955	1000	1260	1110	980	1030	960	900	870	970	980	920	990	920	998
1956	1120	1180	940	980	1020	990	940	960	1080	1120	1120	1180	1120	1055
1957	1170	1340	1030	1260	1040(4)	1230(10)	960	940	1110	1160	1080	1180	1080	1127
1958	1200	1290	1140	1040	1140	1040	860(7)	1100(6)	1050	1080	1160	1260	1160	1115
1959	1160	1230	1200(10)	1490(20)	1200	1030	1180	1040(3)	1000	1270	1180	1260	1180	1176
1960	1130	1070	1220	1100	1050	990	1090(1)	970	1070	1150	1130	1240	1130	1101
1961	1090	1150(6)	980(17)	1220	1150	1170	1040	1070	1110	1190	1160	1210	1160	1128
1962	1100	1240	1120(13)	1280(4)	1150	960	1070	940	1020	980	960	1100	960	1077

MEAN SEA LEVEL DATA (1962-1964)

URUGUAY (CONTINUED)

PUERTO DE FRAY BENTOS															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	58	19	W
1956	1590	1800	1250	1790	1480	1470	1640	2000	1470	1220	1470	1450	MEAN	1560	(XX)
1957	1360	1660	1310	1620	1710(1)	1540	1760	2260(2)	1970	2200	1770	1600	MEAN	1700	
1958	1750	1740	1710	1600	1500	1400	1970	1810	1720(3)	2200	1720	2200	MEAN	1738	
1959	1630	1940	1680(13)	2190(16)	2810	2360	1750	2150	2200	1570	2200	1570	MEAN	2001	
1960	1410	1400	1620	1480	1300	1870(14)	1860	2120	1970	2440	1970	1840(1)	MEAN	1703	
1961	1430	1530	1860	2060	2020(6)	2340(9)	** (31)	2170	2360(1)	2590	2360(1)	1760	MEAN	1969	(XX)

MONTEVIDEO

MONTEVIDEO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	56	13	W
* 1958	** (31)	1110(3)	960	990	1050	930	870	1030	920	900	970	970	MEAN	960	(XX)
1959	920	880	1050	1240	1020	920	1060	840	980	980	980	1040	MEAN	1020	
1960	920	880	1040	1160	1020(4)	880	900	860(1)	900	900	970	1020	MEAN	952	
1961	970	1010	1020	1160	970	820	910	900	1040	860(1)	1040	1050	MEAN	978	
1962	950	1020	950	1140	1070	870	940	860	820	860	860	940	MEAN	940	

* THESE DATA REPLACE PREVIOUSLY PUBLISHED VALUES.

PUERTO DE LA PALOMA

PUERTO DE LA PALOMA															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34	39	S
1955	860	890	1000	980	950	880	920	710	710	850	790	870	MEAN	868	
1956	910	1010	900	1000	1000	910	840	760	880	700	830	920	MEAN	888	
1957	860	1000	810	870	770	960(1)	930(1)	800	870	850	780	980	MEAN	875	
1958	1030	990	850	880	860	850	740	920	750	780	830	820	MEAN	858	
1959	850(7)	980	920	1040	970	860	910	920	730	800	810(1)	930	MEAN	893	
1960	870	830	940	1020(2)	1040	900	840	850	820	830(1)	990	940(7)	MEAN	906	
1961	940	910	960(9)	1060	920	910(6)	870	900	820	740	990	1010	MEAN	919	
1962	940	970	890	1080	1070	** (30)	850	780	730	** (31)	** (30)	** (31)	MEAN	914	(XX)

IMBITUBA (HENRIQUE LAGE)

IMBITUBA (HENRIQUE LAGE)															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	28	14	S
1961	2271	2262	2316	2411	2396	2298	2277	2283	2259	2188	2146	2341	MEAN	2287	
1962	2286	2377	2249	2371	2457	2280	2320	2274	2228	2237	2216	2246	MEAN	2295	
1963	2307	2240	2298	2353	2374	2283	2234	2243	2173	2225	2228	2152	MEAN	2259	

RIO DE JANEIRO

RIO DE JANEIRO															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	22	56	S
1961	1670	1686	1692	1618	1701	1615	1707	1670	1701	1628	1582	1588	MEAN	1655	
1962	1634	1765	1536	1597	1722	1561	** (31)	1573	** (30)	1567	** (30)	** (31)	MEAN	1655	
1963	1622	** (28)	1564	1609	1579	1484	1460	1551	1606	1661	** (30)	** (31)	MEAN	1655	

CANAVIEIRAS

CANAVIEIRAS															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	15	40	S
1961	1484	1518	1554	1524	1542	1536	1457	1472	1430	1454	1454	1488	MEAN	1488	
1962	1469	1481	1518	1558	1561	1515	1448	1439	1454	1454	1426	1417	MEAN	1478	
1963	1469	1500	1469	1558	1567	1460	1426	1414	1384	1375	1420	1472	MEAN	1459	

STATION DISCONTINUED.

SAO SALVADOR

SAO SALVADOR															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	12	58	S
1961	1350	1396	1396	1387	1390	1359	1311	1323	1259	1271	1305	1280(XX)	MEAN	1336	
1962	1301(XX)	1323(XX)	1378	1399	1436	1405	1329	1320	1317	1366	1372	1320	MEAN	1356	
1963	1356	1384	1387	1441	1457	1359	1326	1332	1250	1241	1271	1369	MEAN	1348	

VENEZUELA (CONTINUED)

AMUAY	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	11 45 N	70 13 W
	1962	1271	1277	1335	1308	1445	1280	1350	1399	1469	1548	1463	1372		MEAN
	1963	1326	1295	1271	1356	1393	1301	1326	1417	1475	1561	1481	1320		1376
	1964	1268	1247	1204	1271	1320	1353	1295	1344	1433	1518	1414	1268		1328
MARACAIBO	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	10 41 N	71 35 W
	1964	..	..	..	..	..	1012	994	966	1009	1061	1073	914		MEAN
	GAUGE INSTALLED JUNE 1964.														

COLOMBIA (CARIBBEAN COAST)

RIOHACHA	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	11 33 N	72 55 W
	1961	1430	1426(XX)	1445(XX)	1439(XX)	1454	1423	1423	1451	1518	1622	1579	1417		MEAN
	1962	1338	1338	1372	1356	1484	1399	1399	1509	1564	1564	1509	1378		1469
	1963	1320	1332	1292	1448	1466	1442	1429	1487	1536	1603	1536	1414(XX)		1442
	1964	1369(XX)	1338(XX)	1271	1347	1445	1448	1393	1576	1527	1634	1533	1332		1434
CARTAGENA	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	10 24 N	75 33 W
	1961	277	277	290	283	302	293	311	344	375	415	357	311		MEAN
	1962	274	280	271	277	329	308(XX)	268	335	393	387	366	308		317
	1963	250	247	253	293	311	287	323	351	387	418	361	326		319

PANAMA (CARIBBEAN COAST)

CRISTOBAL	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	09 21 N	79 55 W
	1962	662	663	635	659	679	633	643	663	704	694	707	677		MEAN
	1963	667	663	641	666	674	634	669	701	680	702	671	712		668
	1964	639	620	593	622	647	610	608	625	674	714	687	630		639

COSTA RICA (CARIBBEAN COAST)

PUERTO LIMON	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	10 00 N	83 02 W
	1961	1131	1079	1106	1103	1106	1094	1167	1177	1170	1173	1116	1158		MEAN
	1962	1073	1076	1064	1082	1140	1091	1079	1116	1134	1109	1100	1109		1132
	1963	1052	1058	1049	1082	1045	1027	1109	1143	1079	1091	1079	1137		1079

HONDURAS

PUERTO CASTILLA	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	16 01 N	86 02 W
	1961	351	369	390	436	390	375	408(XX)	442	549(XX)	527	506	466		MEAN
	1962	421	360	439	393	393	375	396	408	494	524	466	405		434
	1963	372	393	363	378	366	369	357	424	488	561	509	411		424
	1964	378	372	357	375	408	384	354	424	437	564	460	436		416

LA CETIBA

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	15 46 N	86 50 W
1961	802	799	780	817	805	759(XX)	777	808	878	863	860	829		MEAN
1962	777	713	799	738	713	719	756	753	860	856	808	753		814
1963	722	744	713	753	744	750	756	799	869	939	890	783		771

HONDURAS (CONTINUED)

PUERTO CORTES		15 50 N		87 57 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1961	1320	1426	1384	1372	
1962	1320	1451	1320	1356	
1963	1301	1399	1301	1353	
1964	1277	1338	1332	1343	
PROGRESO		21 18 N		89 40 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	1297	1348	1291	1283	
1963	1352	1389	1302	1283	
1964	1333	1363	1342	1284	
CIUDAD DEL CARMEN		18 38 N		91 51 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	1572	1596	1542	1535	
1963	1429	1674	1598	1555	
1964	1521	1622	1584	1530	
ALVARADO		18 46 N		95 46 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	1537	1603	1544	1552	
1963	1560	1592	** (31)	1577 (XX)	
1964	** (31)	1537	1530	1462 (XX)	
VERACRUZ		19 11 N		96 07 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	1421	1494	1450	1441	
1963	1472	1508	1412	1445	
1964	1341	1500	1472	1419	
TUXPAN		21 00 N		97 20 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	1224	1311	1259	1263	
1963	1254	1319	1195	1245 (XX)	
1964	1137	1302	1282	1227	
TAMPICO (MUELLE FISCAL)		22 13 N		97 51 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	1745	1860	1825	1818	
1963	1748	1848	1690	1762	
1964	1624	1828	1815	1742	
CIUDAD MADERO		22 15 N		97 48 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1962	** (31)	1860	1793	1824 (XX)	
1963	1777	1872	1715	1786	
1964	1661	1843	1843	1765	
TAMPICO, TAMPS.		23 13 N		97 51 W	
YEAR	JAN.	NOV.	DEC.	MEAN	MEAN
1963	1802	1880	1726	1795	
1964	1653	1837	1826	1761	

MEXICO (GULF COAST)

GUANTANAMO BAY		CUBA		19 54 N		75 09 W							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	732	719	719	735	710	680	753	841	884	856(XX)	808	768	769
1962	722	710	728	707	695	710	768	826	866	878	808	722	762
1963	725	707	674	683	701	750	750	777	820	844	777	747	746
PORT ROYAL		JAMAICA		17 56 N		76 51 W							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1960	490	479	439	430	430	512	546	570	619	622	579	491	518
1961	491	491	491	543	533	604	655	637	591	567	521	448	549
1962	448	494	466	430	405	433	549	591	573	497	421	442	479
1963	433	433	488	436	469	533	567	543	475	436	457	491	480
PORT AU PRINCE		HAITI		18 34 N		72 21 W							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	981	991	1003	994	1006	1030	1094	1119	1134	1149	1146	1085	1061
MAGUEYES ISLAND		PUERTO RICO		17 58 N		67 03 W							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1128(XX)	1103	1109	1106	1146	1161	1198	1234	1204	1219(XX)	1180	1122	1159
1963	1125	1100	1116	1119	1119	1152	1192	1192	1253	1247	1216	1149	1165
1964	1158	1149	1149	1134	1113	1183	1268	1222	1244	1268	1216	1152	1188
GALVESTON		UNITED STATES (GULF COAST)		29 19 N		94 48 W							
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	981	1033	1128	1106	1177	1097	1119	1228	1548	1292	1268	1189	1180
1962	945	1097	1158	1177	1231	1216	1042	1155	1277	1192	1076	1027	1134
1963	1055	978	1055(XX)	1128(XX)	1085	1067	1049	1036	1271	1250	1173	994	1094
1964	881	896	1027	1085	1134	1049	975	1073	1241	1192	1109	1082	1062
EUGENE ISLAND		29 22 N		91 23 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	732	860	954	963	966	951	948	991	1143	1039	1000	963	959
1962	796	926	957	978	997	988(XX)	875	1000	1049	963	887	796	933
1963	796	710	853	975	902	933	896	878	1027	981	896	704	881
1964	701	719	860	942	963	917	902	988	1036	969	908	878	899
BAYOU RICAUD		29 15 N		89 58 W									
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1420	1494	1591	1548	1594	1588	1658	1689	1850	1707	1686	1643	1622
1962	1445	1500	1588	1567	1591	1521	1625	1625	1701	1628(XX)	1533	1451	1564
1963	1490	1414	1497	1576	1527	1558	1515	1539	1719	1658	1612	1426	1545
1964	1381	1420	1515	1539	1615	1561	1533	1518	1707	1661	1594	1554	1558

UNITED STATES (GULF COAST) (CONTINUED)

HUMBLE OIL PLATFORM A		UNITED STATES (GULF COAST)											
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	2618	2701	2816	2783	2838	2792	2871	2923	2996	2935	2911	2853	2836
1962	2673	2734	2822	2768	2789	2795	2771	2874	2935 (XX)	2862 (XX)	2768	2685	2789
1963	2697	2606	2679	2783	2752	2765	2734	2740	2917	2868	2813	2621	2748
1964	2594	2637	2701	2722	2707	2762	2734	2835	2917	2862 (XX)	2804	2761	2748 (XX)
PENSACOLA													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	2515	2649	2731	2713	2707	2713	2801	2844	2917	2789	2771	2731	2740
1962	2576	2630	2716	2673	2682	2734	2676	2755	2807	2740	2643	2579	2685
1963	2588	2512	2591	2664	2652	2673	2643	2670	2792	2740	2694	2509	2644
1964	2512	2530	2615	2637	2707	2658	2676	2752	2801	2743	2670	2646	2662
ST. PETERSBURG													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1161	1231	1308	1280	1298	1311	1366	1393	1396	1350	1375	1286	1313
1962	1149	1231	1323	1207	1274	1353	1356	1396	1439	1366	1292	1268	1305
1963	1250	1201	1213	1253	1268	1326	1347	1344	1414	1344	1347	1183	1291
1964	1140	1149	1167	1210	1274	1311	1311	1347	1417	1338	1305	1231	1267
KEY WEST													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1478	1542	1612	1585	1567	1564	1564	1570	1606	1728	1704	1588	1592
1962	1490	1506	1649	1497	1603	1588	1606	1667	1698	1713	1649	1606	1606
1963	1558	1460	1466	1494	1554	1494	1594	1597	1716	1762	1661	1494	1570
1964	1423	1399	1442	1475	1564	1542	1509	1558	1637	1631	1609	1524	1526
ST. GEORGES													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1399	1402	1247	1241	1393	1405	1451	1490	1503	1512	1664	1478	1432
1962	1231	1286	1442	1393	1326	1381	1457	1704	1548	1603	1497	1460	1445
1963	1318	1338	1320	1244	1282	1426	1378	1372	1484	1481	1430	1326	1365
MIAMI BEACH													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1067	1061	1134	1097	1067	1082	1021	1097	1140	1305	1216	1085	1114
1962	1030	1073	1213	1027	1152	1134	1119	1131	1219	1274	1186	1161	1143
1963	1097	1042	994	1030	1109	1021	1113	1070	1244	1359	1234	1061	1116
1964	981	957	975	1003	1122	1058	1006	1045	1195	1189	1155	1061	1062
MAYPORT													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN
1961	1109	1094	1125	1103	1161	1116	1091	1189	1356	1417	1347	1170	1190
1962	1033	1164	1280	1094	1210	1219	1189	1256	1359	1396	1295	1183	1222
1963	1164	1158	1003	1097	1180	1113	1076	1137	1484	1484	1244	1128	1189
1964	1067	1018	1067	1073	1289	1216	1061	1146	1460	1451	1317	1173	1195

BERMUDA

UNITED STATES (ATLANTIC COAST)

UNITED STATES (ATLANTIC COAST) (CONTINUED)

FORT PULASKI																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	32	02	N	80	54	W
1961	1987	1987	2091	2006	2124	2048	2030	2100	2225	2229	2225	2073(XX)	2099					
1962	1914	2057(XX)	2192	1987	2179	2213	2155	2182	2283	2277	2182(XX)	2088(XX)	2143					
1963	2079(XX)	2024(XX)	1896	2030	2137	2063	2039	2091	2365	2320	2118	2015	2097					
1964	1990	1902	1481	2042	1670	2124(XX)	2003	2143	2377	2313	2185	2070	2106					
CHARLESTON																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	32	47	N	79	55	W
1961	1509	1503	1606	1545	1661	1567	1567	1637	1765	1774	1765	1579	1623					
1962	1451	1640	1743	1530	1716	1731	1698	1716	1801	1798	1701	1618	1679					
1963	1615	1554	1445	1530	1631	1591	1548	1612	1832	1792	1622	1396	1597					
1964	1442	1426	1481	1515	1670	1637	1521	1646	1832	1804	1676	1564	1601					
MYRTLE BEACH																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	33	41	N	78	53	W
1961	2015	2030	2155	2100	2176	2106	2118	2158	2274	2286(XX)	2274(XX)	2134(XX)	2152					
1962	1993(XX)	2170	2289	2054	2234	2210	2207	2225	2307	2307(XX)	2259	2176	2204					
1963	2146	2088	1999	2121	2195	2161	2112	2192	2365	2365	2259	2176	2204					
											..(31)	..(31)	..					
WILMINGTON																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	34	14	N	77	57	W
1961	1262	1359	1475	1509	1402	1402	1448	1381	1448	1430	1408	1308	1403					
1962	1259	1387	1545	1369	1399	..(30)	..(31)	1417	1478	1475	1430	1320	1378					
1963	1445	1381	1350	1329	1341	1332	1344(XX)	1356	1481	1405	1430	1320	1378					
1964	1362	1369	1362	1362	1396	1390	1341	1399	1582	1609	1405	1338	1410					
HAMPTON ROADS																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	36	57	N	76	20	W
1961	1494	1609	1701	1661	1637	1564	1585	1594	1734	1737	1673	1548(XX)	1628					
1962	1457	1631	1786	1640	1640	1634	1634	1686	1689	1695	1795	1551	1640					
1963	1481	1457	1530	1558	1539	1609	1597	1573	1762	1649	1582	1433	1564					
1964	1460	1500	1551	1509	1591	1554	1558	1612	1771	1698	1588	1539	1578					
BALTIMORE																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	39	16	N	76	35	W
1961	1225	1390	1466	1433	1448	1475	1472	1475	1509	1460	1405	1317	1423					
1962	1241	1356	1490	1341	1481	1497	1487	1527	1524	1494	1457	1280	1433					
1963	1253	1177	1356	1356	1390	1451	1448	1433	1503	1393	1381	1201	1362					
1964	1259	1207	1359	1366	1411	1414	1463	1478	1518	1445	1396	1308	1385					
ATLANTIC CITY																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	39	21	N	74	25	W
1961	1875	1978	2109	2073	2057	2039	2152	2113	2268	2243	2062	1920	2084					
1962	1914	2088	2192(XX)	1990(XX)	2067(XX)	2076	2088	2131	2128	2118	2182	2030	2085					
1963	1981	1893	2027	2042	2012	2091	2085	2063	2195	2121	2109	1929	2045					
1964	1987	1978	1999	1963	2024	2033	2063	2079	2146	2118	2085	1999	2040					
SANDY HOOK (FORT HANCOCK)																		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	40	28	N	74	01	W
1961	1332	1421	1509	1524	1466	1469	1490	1466	1536	1524	1457	1366	1466					
1962	1292	1460	1573	1375	1454	1469	1457	1509	1503	1497	1521	1359	1457					
1963	1338	1244	1399	1420	1396	1460	1451(XX)	1439	1826	1445	1490	1292	1433					
1964	1356	1332	1396	1353	1417	1414	1457	1475	1524	1487	1454	1372	1420					

UNITED STATES (ATLANTIC COAST) (CONTINUED)

NEW YORK		UNITED STATES (ATLANTIC COAST)										40 42 N		01 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	74	MEAN
1961	1576	1701	1747	1768	1731	1704	1756	1658	1753	1719	1622	1622	1696		
1962	1512	1701	1865	1682	1765	1786	1792	1774	1762	1756	1762	1634	1731		
1963	1695	1469	1643	1684	1640	1716	1737	1719	1716	1689	1725	1548	1664		
1964	1591	1576	1670	1637	1704	1682	1759	1762	1807	1783	1786	1634	1699		
WILLETS POINT (FORT TOTTEN)												40 48 N		73 47 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	73	MEAN
1961	2554 (XX)	2670 (XX)	2740	2780	2701	2682	2740	2694 (XX)	2786	2765	2694	2603	2701		
1962	2542	2707	2816	2624	2713	2731	2725	2752	2749	2737	2743	2615	2704		
1963	2582	2457 (XX)	2627	2643	2646	2701	2707	2688	2676 (XX)	2661	2716	2542	2637		
1964	2600	2585	2630	2582	2643	2652	2691	2710	2743	2710	2679	2597	2652		
NEW LONDON												41 22 N		72 05 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	72	MEAN
1961	1372 (XX)	1463 (XX)	1518	1564	1494	1481	1518	1487	1539	1551	1487	1417	1491		
1962	1362	1472	1558	1411	1472	1497	1500	1521	1509	1564	1542	1457	1490		
1963	1402	1314	1454	1472	1433	1487	1500	1478	1521	1460	1533	1372	1451		
1964	1423	1402	1439	1372	1442	1451	1463	1497	1512	1506	1494	1420	1451		
NEWPORT												41 30 N		71 20 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	71	MEAN
1961	960	1021	1064	1094	1015	1036	1067	1030	1085	1106	1039	991	1042		
1962	911	1012	1088	966	1006	1045	1082	1082	1064	1113	1097	1000	1039		
1963	963	866	991	1030	978	1042	1055	1039	1058	1033	1106	957	1009		
1964	972	948	985	908	988	1009	1039	1049	1052	1052	1061	969	1002		
BOSTON												42 21 N		71 03 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	71	MEAN
1961	2524	2560	2615	2704	2606	2576	2597	2560	2591 (XX)	2652	2627	2582	2599		
1962	2441	2524	2643	2539	2573	2588	2597	2591	2603	2640	2609	2588	2579		
1963	2515	2438	2530	2560	2530	2560	2585	2566	2588	2573	2670	2512	2551		
1964	2563	2557	2563	2460	2560	2557	2554	2576	2579	2579	2606	2524	2558		
PORTLAND												43 40 N		70 15 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	70	MEAN
1961	4036	4081 (XX)	4142 (XX)	4215 (XX)	4112 (XX)	4051 (XX)	4072	4045	4072	4121	4130	4087	4097		
1962	3965	4014	4109	4039	4069	4065	4130	4057	4048	4124	4093	4084	4066		
1963	4008	3932	4036	4063	4023	4063	4072	4048	4026	4056	4151	4011	4039		
1964	4051	3996	4011	3941	4033	4051	4042	4057	4060	4060	4097	4033	4036		
BAR HARBOR												44 23 N		68 12 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	68	MEAN
1961	2688 (XX)	2707 (XX)	2734	2816	2758	2728	2725	2691	2707	2743	2758	2719	2731		
1962	2695	2771	2719	2704	2719	2731 (XX)	2807	2725	2722	2786	2780	2822	2740		
1963	2749	2658	2725	2728	2707	2749	2743	2749	2710	2707	2825	2704	2728		
1964	2740	2725	2725	2624	2728	2704	2694	2743	2725	2707	2804	2694	2718		

UNITED STATES (ATLANTIC COAST) (CONTINUED)

EASTPORT		UNITED STATES (ATLANTIC COAST)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	54 N	59 W
1961	4349(XX)	4380(XX)	4438	4484	4423(XX)	4404(XX)	4389	4334	4380(XX)	4435	4459	4420	4420	4408
1962	4301	4310	4417	4362	4353	4371	4383	4340	4340	4410	4389	4417	4389	4365
1963	4368	4328	4313	4330	4331	4301	4331	4282	4282	4353	4438	4331	4331	4377
1964	4353	4392	4407	4285	4389	4450	4423	4401	4328	4374	4414	4334	4334	4379

CANADA (ATLANTIC AND NORTH COASTS)

ST. JOHN, N.B.		CANADA (ATLANTIC AND NORTH COASTS)												
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	16 N	66 W
1962	4321	4297	4417	4400	4407	4385	4381	4310	4327	4386	4425	4431	4431	4374
1963	4346	4282	4313	4438	4484	4426	4407	4346	4365	4371	4523	4377	4377	4390
1964	4340	4362	4325	4273	4429	4386	4322	4313	4325	4377	4368	4429	4429	4354

HALIFAX, N.S.

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	40 N	63 W
1962	1197	1235	1334	1173(6)	1184	1214	1231	1180	1241	1284	1306	1304	1304	1240
1963	1253	1201	1231	1295	1146	1204	1186	1198	1201	1247	1317	1289	1231	1238
1964	1314	1317	1259	1109	1198	1204	1164	1192	1247	1280	1314	1265	1265	1238

CORRIENDEUM FOR 1942

NOVEMBER 3.946

DECEMBER 3.690

CHARLOTTETOWN, P.E.I.

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	13 N	63 W
1962	1618	1575(1)	1717	1605(4)	1580(4)	1577	1643	1591	1600	1669	1688	1658	1658	1627
1963	1661	1631	1542	1634	1490	1585	1622	1600	1612	1670	1707	1692	1692	1621
1964	1682	1634	1545	1414	1588	1579	1567	1603	1640	1625	1701	1625	1625	1600

CORRIENDEUM FOR 1950

MAY 4.917

POINT ST. PETER

CORRIENDEUM FOR 1925 ANNUAL MEAN 2.499

CORRIENDEUM FOR 1927 ANNUAL MEAN 2.491

FATHER POINT, QUEBEC

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	31 N	68 W
1963	31	36(6)	30	30	88	-12	52(1)	-15	-98	-46(1)	58(1)	305	305	28 W
1964	15	36(6)	30	-107	76	-9	-37(1)	-6	-104(1)	-73	-61	-131	-131	31 W

CORRIENDEUM FOR 1926 ANNUAL MEAN 7.388

PORTNEUF, QUEBEC

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	41 N	71 W
1962	914	1289(4)	1347	1747	1594	1228	1237	1149	1143	1222	1283	1045	1045	53 W
1963	1042	893	1177	1789	1393	1207	1122	1161	1244(3)	1064(18)	1457	1134	1134	1223
1964	1180	1140	1323	1378	1420	1189	1146	1067	945(1)	1049	1052	1128	1128	1168

NEUVILLE, QUE.

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	42 N	71 W
1962	628(4)	896	939	1350	1113(17)	914	975	890	872	963	988	927(16)	927(16)	958(XX)
1963	725	570	802	1362	1061(13)	914	860	875(9)	780(3)	829	1113	808(5)	808(5)	892
1964	835(5)	783(3)	1003(1)	1033	1036	914	887	808	674	774	780	780	780	866(XX)

MEAN SEA LEVEL DATA (1962-1964)

(CONTINUED)

CANADA (ATLANTIC AND NORTH COASTS)

HARRINGTON HARBOUR, QUEBEC															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1962	1034	960	1045	963	981	1052	1037	996	1006	1137(9)	1094(2)	1076(5)			
1963	1042	1049	1036	1049	948	1027	1067	1070	1033	1125	1119	1189			
1964	1119	1131	1018	920	1045	1055	1003	1064	1079	1103	1140	1009			
CORRIGENDUM FOR 1950 JUNE 3.470															
PORT AUX BASQUES, NEWFOUNDLAND															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1962	1028	1031(1)	1166	1023	1017	1053	1078	1029	1055	1120	1114	1111			
1963	1088	1012	1076	1137	994	1091	1103	1100	1064	1128	1231(15)	1093(XX)			
1964	..(31)	..(29)	..(31)	..(30)	..(31)	..(31)	..(30)	1039(26)	1033	1073(4)	1109	1061			
ST. JOHNS, NEWFOUNDLAND															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1962	796	765	857	624	623	640	634	634	704	853	765	823			
1963	722	814	875	829	637	738	686	695	710	860	841	948			
1964	945	896	814	689	747	707	634	713	799	741	796	628			
CORRIGENDUM FOR PUB. SCI. NO. 24 1959 & 1961 (NOT 1960).															
NAIN, LARRADOR															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1963	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	1573(16)	1490	1658			
1964	1591	1609(4)	1378	1320	1426	1487	1509	1506(9)	1634	1573	1594	1494			
FROBISHER BAY, N.W.T.															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1963	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	5873(8)	5733	6651			
1964	..(31)	..(29)	..(31)	..(30)	..(31)	..(30)	..(30)	5773(22)	..(30)	6090	6693	6651			
CHURCHILL, HUDSON BAY															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1962	2441	2237	2277	2219	2321	2464	2438	2436	2427(4)	2395	2368	2443(18)			
1963	2420(2)	2380(10)	2262	2262	2277	2356	2341	2402	2457	2505	2385	2509			
1964	2451	2423	2222	2231	2435	2390	2295	2414	2530	2560	2542	2316			
RESOLUTE, N.W.T.															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1962	967	783	794	831	875	926	940	1104	1034	1001	1021	1019			
1963	1058	978	978	878	988	1012	1079	1106	1094	1109	1045	1082			
1964	1106	1036	988(2)	948	914	1103	1058	1027	1140	1021	1036	1052			
CAMBRIDGE BAY, N.W.T.															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1962	537	356	342	397	419	540	568	607(21)	521	655	543	530			
1963	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	576(13)	600	594	497	518	552			
1964	594	530	521	442	451	616	591	582	594	..(31)	..(30)	..(31)			
TUKTOYAKTUK, N.W.T.															
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.			
1962	271(1)	166	166	220	273(2)	486	511	398	484	95	-37	179			
1963	149	201	302	293	347	518	518	549	110	472	372	366			
1964	424	399	341	335	402	594	619	393	320(10)	296	229	293			
50	30	N	DEC.	59	29	W	MEAN	59	29	W	MEAN	59	29	W	MEAN
47	35	N	DEC.	59	09	W	MEAN	59	09	W	MEAN	59	09	W	MEAN
47	34	N	DEC.	52	43	W	MEAN	52	43	W	MEAN	52	43	W	MEAN
56	33	N	DEC.	61	42	W	MEAN	61	42	W	MEAN	61	42	W	MEAN
63	45	N	DEC.	68	32	W	MEAN	68	32	W	MEAN	68	32	W	MEAN
58	47	N	DEC.	94	12	W	MEAN	94	12	W	MEAN	94	12	W	MEAN
74	41	N	DEC.	94	54	W	MEAN	94	54	W	MEAN	94	54	W	MEAN
69	07	N	DEC.	105	04	W	MEAN	105	04	W	MEAN	105	04	W	MEAN
69	25	N	DEC.	132	58	W	MEAN	132	58	W	MEAN	132	58	W	MEAN

CANADA (ATLANTIC AND NORTH COASTS) (CONTINUED)

ALERT, N.W.T.		CANADA (ATLANTIC AND NORTH COASTS)										82 30 N		62 19 W		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	DEC.	MEAN	
1962	514(3)	345	195	334	317	449	423(5)	527	592	563	599	530	449	750(30)	802(31)	636(XX)
1963	521	491	582	445	604	610	576	738(4)	725	786	750(30)	802(31)	636(XX)	..	..	685
1964	841	780	765	634	680	774	713	713	558	390	..	..	..	..	..	..

GREENLAND

GODTHAB		GREENLAND										64 11 N		51 45 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	DEC.	MEAN
1957	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	..(31)	..(30)	153	85(6)	..(31)	..	..(31)	..
1958	0	-16	..(31)	-175(14)	-108(2)	18(2)	55	21(2)	182	192(6)	219(2)	..(31)	..	..(31)	..
1959	143(2)	..(28)	..(31)	-67(11)	-67	-59	64	62(6)	99	133	88(4)	55(3)	..	55(3)	..
1960	-11	-110(1)	..(31)	-147	-90	-20(2)	..(31)	176(4)	141(2)	231(2)	164	195(1)	..	164	12
1961	134	40	-86(1)	-125	-71	-21(1)	-35	47	112	34(1)	68	53(3)	..	53(3)	..
1962	187	-60(3)	-115(2)	-68	-110(3)	-25	-101	48	174	182(2)	136(1)	176	..	176	28
1963	109	180	43	-47	-18	35(1)	33	105	174	221	153	34(10)	..	34(10)	111
1964	242(1)	218	-3(8)	-43(3)	22	26(6)	44	40	234(3)	252(4)	206(9)	..(31)	..	..(31)	..

ANTARCTICA

BAHIA ESPERANZA		ANTARCTICA										63 24 S		57 00 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	DEC.	MEAN
1961	..(31)	..(30)	1940	1873	2042	2108	..(31)	..(31)	..(30)	..(31)	..(31)	..(30)	..	..(30)	..
1962	1957	2015	1940	1873	1952	2108	..(31)	1941	2000	1925	1961	2004	..	2004	1971(XX)
1964	1987	2076	2008	2033	2026	..(30)	..(31)	..(31)	..(30)	..(31)	..(31)	..(30)	..	..(30)	..

ARGENTINE ISLANDS

KING EDWARD POINT, SOUTH GEORGIA		ARGENTINE ISLANDS										65 15 S		64 16 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	DEC.	MEAN
1958	1664	1551	1576	1676	..(31)	..(30)	..(31)	..(31)	..(30)	..(31)	1646(11)	1612	..	1646(11)	1612
1959	1673	1652	1646	1585(7)	..(31)	..(30)	..(31)	..(31)	..(30)	1551(14)	1692	1622	..	1551(14)	1692
1960	1612	1609	1634	1777	1701	1576	1649	1725	1536	1649	1731	1588	..	1649	1649
1961	1628	1661	1731	1661	1801(6)	1736(6)	1554	1503	1597	1743	1728	1713	..	1743	1673

KING EDWARD POINT, SOUTH GEORGIA

CORRIEYENDUM FOR 1958		KING EDWARD POINT, SOUTH GEORGIA										54 16 S		36 30 W	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	DEC.	MEAN
1959	1075	1101	981	1065	1035	1001	1048	1008	961	921	1101	1051	..	1051	1028

ILES KERGUELEN, PORT AUX FRANCAIS

ILES KERGUELEN, PORT AUX FRANCAIS		ILES KERGUELEN, PORT AUX FRANCAIS										49 21 S		70 13 E	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	MEAN	DEC.	MEAN
1962	..(31)	..(28)	..(31)	2013(1)	2006	1983(1)	2016	1978(4)	1923	1946	2037	2038	..	2038	1993(XX)
1963	2025(3)	1945(10)	1941(7)	1947	2021(1)	1976	1985(2)	2050(17)	..(30)	..(31)	2037	2038	..	2038	1993(XX)
1964	..(31)	..(28)	..(31)	..(30)	..(31)	..(30)	..(31)	2044(6)	1965(15)	..(31)	..(31)	..(30)(30)	1986(XX)

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