

Time Zones Based on UT (Universal Time)

Alexandria	+2	Glasgow	0	Portland (Maine)	-5
Algiers	+1	Greenwich	0	Puerto Rico	-4
Amsterdam	+1	Hamburg	+1	Quebec	-5
Antwerp	+1	Havana	-5	Rio de Janeiro	-3
Baltimore	-5	Havre	+1	Rome	+1
Barbados	-4	Istanbul	+2	Rotterdam	+1
Beijing	+8	Jedda	+3	St Helena	0
Berlin	+1	Kingston, Jamaica	-5	St Petersburg	+3
Boston	-5	Leghorn	+1	Salt Lake City	-7
Bremen	+1	Leipzig	+1	Sandy Hook	-5
Brussels	+1	Lima	-5	San Francisco	-8
Buenos Aires	-3	Lisbon	0	Santa Cruz	0
Cadiz	+1	Liverpool	0	Santiago (Cuba)	-5
Cairo	+2	Madrid	+1	Savannah	-5
Calcutta	+5.5	Malaga	+1	Seville	+1
Callao	-5	Malta	+1	Sierra Leone	0
Canton	+8	Manila	+8	Singapore	+8
Cape Horn	-4	Marseilles	+1	Smyrna	+2
Cape of Good Hope	+2	Mexico	-6	Stockholm	+1
Cape Race	-3.5	Montreal	-5	Suez	+2
Charleston	-5	Montevideo	-3	Sydney	+10
Chennai	+5.5	Moscow	+3	Thailand	+7
Chicago	-6	Mumbai	+5.5	Toronto	-5
Cincinnati	-6	Naples	+1	Toulon	+1
Copenhagen	+1	New Orleans	-6	Tripoli	+2
Dublin	0	New York	-5	Tunis	+1
Edinburgh	0	Odessa	+3	Valparaiso	-4
Florence	+1	Palermo	+1	Venice	+1
Galveston	-6	Panama	-6	Veracruz	-6
Genoa	+1	Paris	+1	Vienna	+1
Geneva	+1	Pensacola	-6	Warsaw	+1
Gibraltar	+1	Philadelphia	-5		

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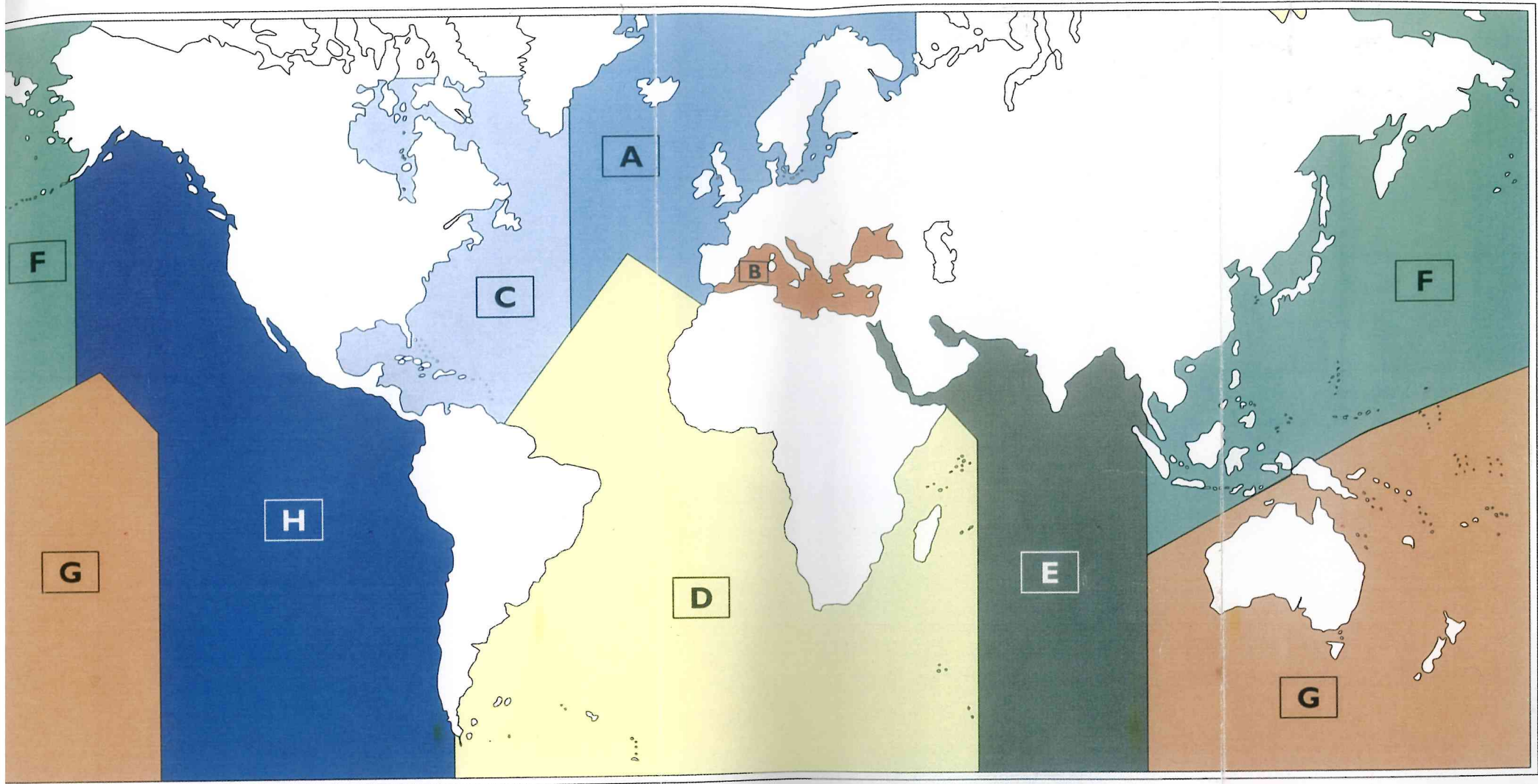
By S. B. S. Lakmal

on 21-12-2016

ACC. NO. 000012089
 CLASS. NO. 629.89 CAN
 Main routes used are indicated as follows, where indications are necessary:

via Panama Canal *
 ,, Suez Canal +
 ,, Cape of Good Hope C
 ,, Straits of Magellan M
 ,, Kiel Canal K

Received at Long Beach
 23.11



Area A [light blue] Area B [brown] Area C [light blue] Area D [yellow] Area E [dark green] Area F [teal] Area G [brown] Area H [dark blue]

Note: Gibraltar, Singapore, Honolulu and Panamz (or Cristobal) can be found in both of the sections that meet at each of these points

Reeds Marine Distance Tables

13th edition

Compiled by
R W Caney, AICS and J E Reynolds, AICS

Revised by
Miranda Delmar-Morgan

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Preface

These tables provide distances between over 500 ports worldwide. By consulting them the user can calculate the shortest distance between all the major ports around the world. The 'market areas' are presented with the ship owner or broker in mind to allow quick and easy estimating, but they are also a handy reference for any master or navigator.

The pull-out world map shows these trading areas and directs the user to the appropriate section of the book. Every port with an entry in that section is shown on the individual chartlet at the front of it. The key market areas (A-H) are also linked to each other in order to give distances to ports in other market areas.

A few pivotal ports are entered both as a column and as a row, but to do this for every port would double the size of the book, making it cumbersome and expensive. As it is, it remains a compact ready-reckoner. A distance to any port lacking its own entry can usually be worked out by interpolation from the next nearest port. The see-at-a-glance facility of the individual chartlets greatly assists the search for a port nearby.

Whilst these tables were originally intended for commercial trading purposes, it has become apparent that their use has expanded to include superyachts. For this reason some of the regularly visited leisure ports such as Bermuda and Palma have been added to the distance listings.

Ports rise to, and fall from, prominence over the years, so input from users is greatly appreciated. If you feel that there is an important port missing, or a port has fallen from use for one reason or another, or you have suggestions for any other improvements, then the publishers will be pleased to hear from you.

Every care has been taken in compiling the tables, but no responsibility for errors or omissions, or their consequences, is accepted by the publishers or editor. All distances, except where otherwise stated, are given in nautical miles and are based on the shortest or most usual routes, taking into account shipping lanes. The main routes are signified where necessary with symbols which are overleaf.

Amongst other enhancements, this edition includes a new transatlantic table (see page 214). Great circles have been worked up with a waypoint off the Tail of the Bank of Newfoundland for the most northerly routes, but consideration has not been given to the seasons, nor to ice limits. Routes passing through the Caribbean islands show the shortest distance, and routeing through the various passages is given on the table.

We have made a departure in the index and given adjustment figures on Hong Kong and Dalian to provide distances for Guangzhou, Tianjin and Yantian (Shenzhen). This extends the world coverage to those three ports whilst keeping the book compact.

Key to abbreviations in the tables

BC	British Columbia, Canada
Ch	Chile
Col	Colombia
CR	Costa Rica
CW	Cape Wrath
DS	Dover Strait
G	Guyana
Guat	Guatemala
Mex	Mexico
NB	New Brunswick, Canada
NC	North Carolina, USA
NF	Newfoundland, Canada
NSW	New South Wales, Australia
NY	New York, USA
Oreg	Oregon, USA
PR	Puerto Rico
Tas	Tasmania
Vanc Is	Vancouver Island, Canada
Va	Virginia, USA

Routeing symbols

*	via the Panama Canal
†	via the Suez Canal
C	via the Cape of Good Hope
M	via the Straits of Magellan
K	via the Kiel Canal (except where all distances in a column are measured via the Kiel Canal, when this is noted in the column heading and the symbol K is omitted)
^	via the Great Lakes

Acknowledgements

Grateful thanks are extended once more to Cdr R Porteous, RN, whose expertise and companionship during a demanding, and sometimes complicated task is always invaluable.

Area A

Distances between principal ports in the United Kingdom, North Europe (Gibraltar to Archangel inclusive) and the Baltic and White Seas

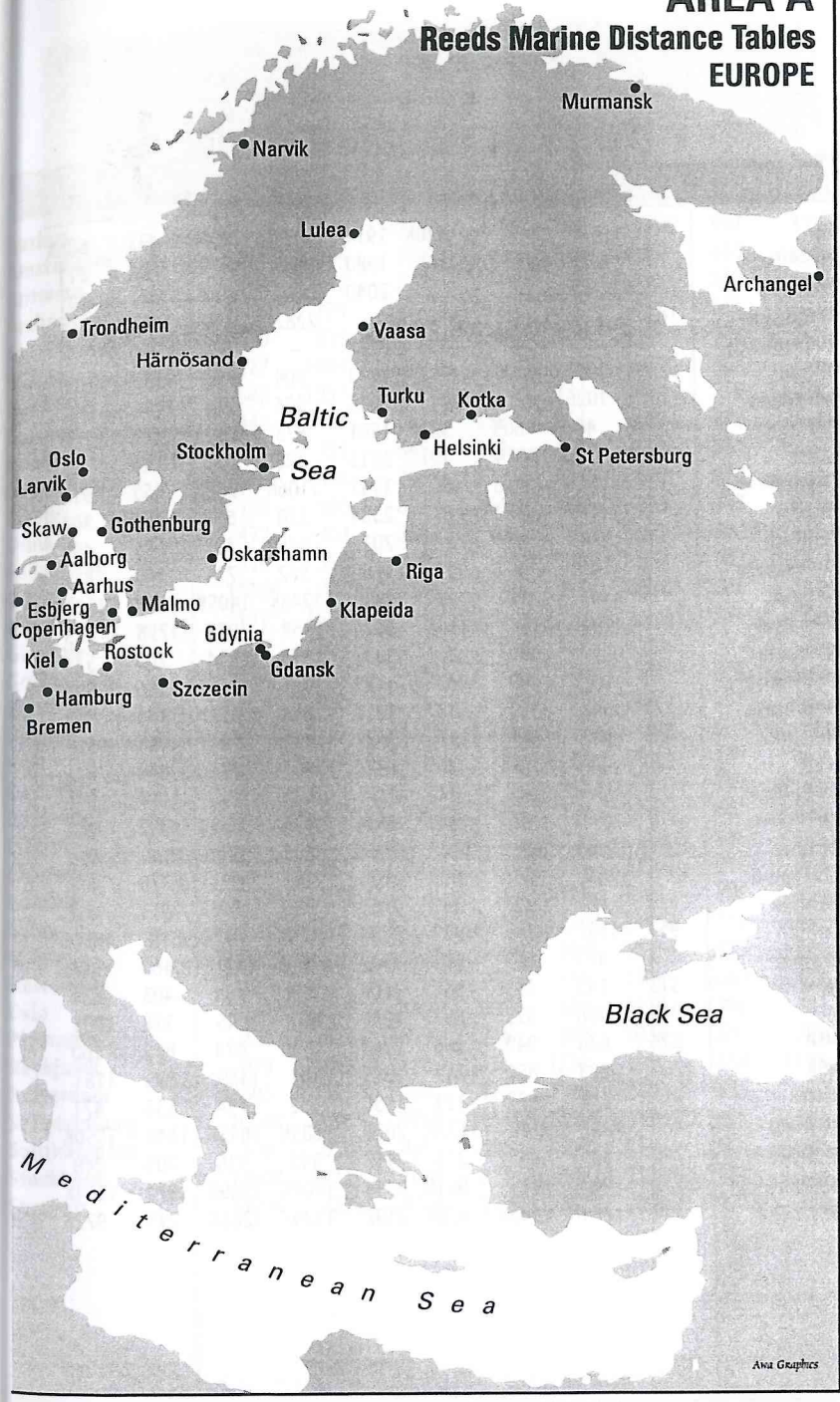
and

- Area A** Other ports in the UK, North Europe (from Gibraltar to Archangel inclusive) and the Baltic and White Seas.
- Area B** The Mediterranean Sea, Black Sea and the Adriatic.
- Area C** The East Coast of North America and Canada (including the Great Lakes and St Lawrence Seaway), the US Gulf and Central America (including the Gulf of Mexico and the Caribbean Sea).
- Area D** The East Coast of South America, the Atlantic islands, and West and East Africa.
- Area E** The Red Sea, The Gulf, the Indian Ocean and the Bay of Bengal.
- Area F** Malaysia, Indonesia, South East Asia, the China Sea and Japan.
- Area G** Australasia, New Guinea and the Pacific Islands.
- Area H** The West Coast of North and South America.

AREA A
Reeds Marine Distance Tables
EUROPE



AREA A
Reeds Marine Distance Tables
EUROPE



AREA A	AREA A								
	Aalborg	Aberdeen	Ålesund	Antwerp	Archangel	Avonmouth	Bayonne	Bergen	Brest
Aarhus	119	543	575	528K	1914	1034K	1196K	432	888K
Amsterdam	479K	380	637	148	1980	655	815	502	511
Antwerp	586K	450	790	-	2040	631	791	602	491
Archangel	1855	1745	1447	2040	-	2282	2719	1443	2313
Avonmouth	1089K	754	1020	631	2282	-	581	935	308
Bilbao	1250K	1061	1375	787	2714	604	60	1240	328
Bordeaux	1237	1026	1336	745	2646	556	205	1194	324
Bremen	352K	460	603	333	1881	873	1052	481	726
Brest	975K	770	1014	491	2313	308	318	944	-
Copenhagen	132	566	598	600K	1937	1106K	1268K	455	914K
Dublin	945	542	822	677	2084	220	627	752	364
Dunkirk	574K	418	674	102	2016	529	701	585	402
Felixstowe	556	369	692	131	1980	562	734	549	419
Gdynia	419	841K	922K	737K	2315	1243K	1405K	833	1100K
Gibraltar	1808K	1619	1947	1345	3225	1158	978	1798	973
Glasgow	902	499	597	854	2032	373	804	700	531
Gothenburg	92	458	490	616K	1829	1063	1225	356	930
Hamburg	279K	473	601	382	1917	893	1053	486	737
Helsinki	681	1106	1138	1026K	2477	1532K	1694K	995	1402
Hull	530	270	594	265	1926	707	873	474	581
La Pallice	1162	951	1261	670	2571	478	130	1119	243
Le Havre	707	522	823	244	2104	438	593	702	288
Lisbon	1570K	1381	1695	1107	2968	893	630	1560	668
Liverpool	1000	597	848	698	2075	282	693	778	410
London	622	436	738	193	2061	586	747	613	452
Lulea	957	1357	1389	1273K	2728	1779K	1941K	1246	1650K
Malmo	157	571	603	603K	1942	1109K	1271K	460	908K
Newcastle	513	145	535	351	1804	789	954	403	659
Oslo	227	488	523	657	1836	1082	1445	378	1001
Plymouth	824	638	949	366	2243	278	473	819	160
Reykjavik	1200	805	850	1249	1883	1103	1369	873	1181
Rotterdam	511K	391	673	121	1950	632	794	533	471
St Petersburg	868	1257	1289	1177K	2628	1683K	1845K	1146	1550K
Southampton	746	535	845	255	2155	345	536	703	248
Stockholm	559	983	1015	901K	2354	1407K	1569K	872	1264K
Szczecin	360	724K	805K	620K	2197	1126K	1288K	715	972K

AREA A	AREA A							
	Cork	Dundee	Emden	Felixstowe	Ghent	Gibraltar	Glasgow	Gothenburg
Aarhus	1007K	528	324K	505K	509K	1750K	961	118
Amsterdam	628	374	166	141	124	1369	865	464
Antwerp	604	442	276	140	55	1345	854	616K
Archangel	2555	1773	1878	1948	2023	3225	2032	1829
Avonmouth	230	818	778	560	610	1158	373	1063
Bilbao	577	1044	936	710	768	867	827	1221
Bordeaux	547	1053	895	676	734	1011	775	1178
Bremen	846	471	162	358	353	1606	926	382K
Brest	281	753	645	419	477	973	531	930
Copenhagen	1079K	605	399K	577	581K	1822K	984	134
Dublin	185	606	824	606	656	1204	178	919
Dunkirk	472	402	264	82	85	1255	752	553
Felixstowe	518	358	260	-	120	1288	702	517
Gdynia	1216K	840K	536K	714K	718K	1959K	1288	383
Gibraltar	1131	1592	1494	1268	1326	-	1381	1779
Glasgow	338	563	868	783	833	1381	-	87
Gothenburg	1036	497	415K	531	546	1779	876	-
Hamburg	866	485	185	362	365	1607	939	402
Helsinki	1505K	1145	825K	1003K	1007K	2248K	1524	657
Hull	680	240	279	158	248	1427	744	504
La Pallice	472	978	820	601	425	957	700	1103
Le Havre	411	505	396	164	227	1147	661	681
Lisbon	833	1364	1256	1030	1088	280	1116	1541
Liverpool	255	661	890	672	722	1270	215	974
London	559	420	318	75	176	1301	809	596
Lulea	1752K	1396	1072K	1250K	1474K	2495K	1775	866
Malmo	1082K	610	402K	580K	584K	1825K	989	141
Newcastle	762	122	329	256	334	1508	649	487
Oslo	1077	536	449	602	637	1870	896	163
Plymouth	251	621	513	276	349	1036	501	798
Reykjavik	979	864	1170	1156	1230	1930	854	1152
Rotterdam	605	383	199	123	104	1348	855	489
St Petersburg	1656K	1296	976K	1154K	1158K	2399K	1675	847
Southampton	340	510	405	185	232	1119	564	695
Stockholm	1380K	1022	700K	878K	882K	2123K	1401	512
Szczecin	1099K	723K	419K	597K	601K	1842K	171K	390

AREA A	AREA A							
	Grangemouth	Härrösand	Kiel	Kotka	Kristiansand	Larvik	Leith	Liverpool
Aarhus	606	696	130	703	217	205	599	1084
Amsterdam	384	951K	291K	973K	360	448	372	767
Antwerp	394	1058K	398K	1080K	451	534	453	698
Archangel	1806	2053	2037	2525	1565	1647	1788	2075
Avonmouth	839	1564	904K	1586K	1010	1055	832	282
Bilbao	1057	1722K	1062	1744K	1142	1219	1042	716
Bordeaux	1019	1902	1014K	1899	1102	1268	1000	672
Bremen	508	824K	164K	846K	326	409	475	985
Brest	766	1447K	740	1469K	851	928	751	410
Copenhagen	629	580	164	830	240	220	622	1082
Dublin	627	1593	950K	1615	798	883	620	121
Dunkirk	414	1046K	386K	1068K	475	572	399	641
Felixstowe	365	1094	365	1085	439	536	363	622
Gdynia	891K	509	339	532	618	470	838K	1460
Gibraltar	1615	2280K	1640K	2302K	1699	1777	1600	1270
Glasgow	584	1550	949K	1572	755	840	577	215
Gothenburg	521	724	218	725	132	94	514	974
Hamburg	501	751K	91K	773K	326	399	486	1005
Helsinki	1169	356	628	72	780	897	1127K	1622
Hull	252	1024K	396K	1078K	407	485	237	819
La Pallice	944	1827	939K	1824	1027	1193	924	597
Le Havre	518	1182K	522K	1204K	600	670	503	550
Lisbon	1377	2042K	1382K	2064K	1462	1539	1362	1005
Liverpool	682	1648	1016K	1670	824	938	675	-
London	432	1099K	439K	1121K	514	608	417	698
Lulea	1420	222	875	599	1031	1019	1413	1873
Malmö	634	590	205	587	245	233	627	1087
Newcastle	131	1099K	439K	1121K	376	468	116	747
Oslo	558	877	355	876	163	68	538	969
Plymouth	634	1299K	639K	1321K	717	806	619	390
Reykjavik	902	1867	1252	1864	1025	1115	888	927
Rotterdam	396	983K	323K	1005K	413	494	381	744
St Petersburg	1320	507	779	108	931	919	1313	1773
Southampton	528	1410	522K	1400	610	690	508	461
Stockholm	1046	257	503	279	657	645	1039	1499
Szczecin	774K	548	222	621	500	488	721K	1242K

AREA A	AREA A							
	London	Manchester	Murmansk	Narvik	Oporto	Oskarshamn	Oslo	Reykjavik
Aarhus	569K	1124	1540	1045	1340K	386	265	1235
Amsterdam	208	807	1517	1090	959	648K	522	1462
Antwerp	193	738	1629	1211	935	755K	630	1250
Archangel	2061	2115	473	986	2816	2179	1711	1883
Avonmouth	586	322	1969	1379	745	1261K	1163	1100
Bilbao	743	756	2213	1778	436	1419K	1292	1475
Bordeaux	702	712	2277	1790	580	1590	1248	1755
Bremen	409	1025	1492	1092	1196	521K	460	1236
Brest	452	450	1959	1574	540	1144K	1001	1181
Copenhagen	641	1122	1563	1068	1412K	217	272	1259
Dublin	632	161	1771	1181	791	1269	951	896
Dunkirk	112	681	1646	1165	845	743K	617	1215
Felixstowe	65	662	1610	1129	878	707	581	1179
Gdynia	970K	1500	1941	1446	1549K	218	528	1521
Gibraltar	1301	1310	2977	2427	454	1977K	1850	1933
Glasgow	809	255	1719	1129	968	1226	908	855
Gothenburg	596	1014	1455	960	1369	422	159	1152
Hamburg	425	1045	1581	1081	1197	448K	461	1234
Helsinki	1067K	1662	2103	1608	1838K	333	948	1809
Hull	239	859	1566	1066	1017	753K	559	1050
La Pallice	627	637	2202	1715	526	1515	1173	1680
Le Havre	205	590	1797	1304	737	879K	752	1305
Lisbon	1063	1045	2664	2164	176	1739K	1612	2235
Liverpool	698	40	1797	1207	857	1324	1006	927
London	-	738	1715	1215	891	796K	668	1231
Lulea	1314K	1703	2354	1859	2085K	561	1063	2047
Malmö	644K	1127	1568	1073	1415K	291	280	1266
Newcastle	325	787	1500	970	1098	796K	528	935
Oslo	666	1009	1450	976	1439	566	-	1179
Plymouth	321	430	1928	1408	617	996K	869	1150
Reykjavik	1231	967	1517	1096	1500	1555	1179	-
Rotterdam	184	784	1628	1139	938	680K	554	1182
St Petersburg	1218K	1813	2254	1759	1989K	508	963	1950
Southampton	211	501	1786	1299	714	1099	757	1265
Stockholm	942K	1539	1980	1485	1713K	194	819	1681
Szczecin	661K	1282K	1823	1328	1432K	298	541	1638

AREA A								
AREA A	Riga	Rotterdam	Santander	Stockholm	Sunderland	Swansea	Turku	Vlissingen
Aarhus	570	453K	1169K	507	564	965K	580	480K
Amsterdam	846K	67	788	794K	268	547	867K	100
Antwerp	953K	121	764	901K	318	525	974K	51
Archangel	2403	1950	2689	2354	1833	2241	2429	1993
Avonmouth	1459K	632	569	1407K	770	62	1480K	581
Bilbao	1617K	790	36	1565K	927	567	1638K	739
Bordeaux	1763	743	235	1716	890	828	1789	705
Bremen	719K	290	1025	667K	418	836	740K	319
Brest	1342K	471	343	1290K	636	283	1363K	448
Copenhagen	696	525K	1241K	409	587	1037K	467	552K
Dublin	1493	678	615	1444	690	169	1519	627
Dunkirk	941K	104	674	889K	286	492	962K	55
Felixstowe	905	136	674	863	250	492	926	91
Gdynia	309	662K	1378K	325	776K	1174K	384	689K
Gibraltar	2175K	1348	835	2123K	1485	1121	2196K	1297
Glasgow	1450	855	792	1401	647	345	1476	804
Gothenburg	586	489	1198	512	479	985	599	517
Hamburg	646K	307	1026	594K	407	856	667K	335
Helsinki	315	951K	1667K	239	1065K	1495K	108	978K
Hull	951K	211	846	899K	128	670	972K	218
La Pallice	1688	668	200	1641	815	753	1714	630
Le Havre	1077K	250	566	1025K	392	401	1098K	197
Lisbon	1937K	1110	557	1885K	1247	856	1958K	1059
Liverpool	1548	744	681	1499	882	236	1592K	693
London	944K	184	720	942K	312	549	1015K	146
Lulea	629	1198K	1914K	443	1312K	1742K	350	1225K
Malmo	456	528K	1244K	422	592	1040K	483	555K
Newcastle	994K	285	927	942K	15	752	1015K	304
Oslo	744	555	1253	694	521	1046	763	607
Plymouth	1194K	367	446	1142K	500	241	1215K	319
Reykjavik	1728	1182	1452	1681	936	1056	1755	1199
Rotterdam	878K	-	767	826K	286	595	899K	74
St Petersburg	504	1102K	1818K	386	1214K	1614K	268	1129K
Southampton	1272	252	528	1225	400	309	1298	200
Stockholm	217	826K	1553K	-	940K	1370K	162	853K
Szczecin	495	545K	1272K	408	659K	1089K	503	572K

AREA A								
AREA B	Aberdeen	Amsterdam	Antwerp	Archangel	Avonmouth	Belfast	Bergen	Bilbao
Alexandria	3449	3216	3181	5062	2981	3110	3620	2655
Algiers	2061	1828	1793	3695	1597	1725	2235	1270
Ancona	3187	2954	2919	4820	2698	2833	3360	2395
Barcelona	2176	1943	1908	3810	1674	1840	2350	1385
Beirut	3665	3430	3395	5310	3199	3340	3850	2885
Bourgas	3562	3329	3294	5195	3079	3225	3735	2770
Brindisi	2930	2697	2662	4565	2441	2595	3105	2140
Cagliari	2350	2115	2080	3995	1873	2025	2535	1570
Casablanca	1675	1445	1410	3306	1193	1327	1860	901
Constanța	3625	3392	3357	5257	3194	3287	3797	2832
Dubrovnik	3038	2781	2755	4655	2549	2681	3205	2256
Durres	3012	2780	2745	4660	2538	2690	3200	2235
Genoa	2506	2273	2238	4140	2035	2170	2680	1715
Gibraltar	1619	1369	1345	3225	1158	1292	1798	867
Haifa	3663	3430	3395	5310	3186	3340	3850	2885
Iskenderun	3688	3431	3405	5305	3199	3331	3855	2906
Istanbul	3433	3200	3165	5065	3001	3095	3605	2640
Izmir	3272	3039	3004	4905	2783	2935	3445	2480
Mariupol	3962	3730	3695	5605	3484	3635	4145	3180
Marseilles	2340	2107	2072	3975	1870	2005	2510	1550
Messina	2657	2424	2389	4290	2168	2320	2830	1865
Morphou Bay	3556	3323	3288	5190	3090	3220	3730	2765
Naples	2620	2387	2352	4253	2140	2283	2793	1828
Novorossiysk	3873	3640	3605	5505	3384	3535	4045	3080
Odessa	3778	3545	3510	5420	3344	3440	3950	2985
Palermo	2547	2314	2279	4180	2058	2210	2720	1755
Piraeus	3157	2924	2889	4790	2680	2820	3330	2365
Port Said	3557	3324	3289	5175	3100	3220	3730	2765
Poti	4033	3800	3765	5660	3539	3690	4200	3235
Rijeka	3297	3001	2975	4875	2769	2901	3470	2505
Sfax	2654	2367	2332	4235	2165	2265	2775	1872
Siracusa	2674	2417	2391	4291	2185	2317	2841	1892
Tarabulus (Libya)	2747	2514	2479	4380	2258	2410	2920	1955
Taranto	2878	2621	2595	4495	2389	2521	3045	2140
Thessaloniki	3355	3120	3085	5000	2888	3030	3540	2575
Trieste	3333	3041	3015	4915	2809	2941	3505	2540
Tunis	2425	2192	2157	4060	1977	2090	2600	1635
Valencia	2037	1804	1769	3670	1571	1700	2210	1245
Valletta	2631	2398	2363	4265	2165	2295	2805	1840
Venice	3324	3091	3056	4960	2819	2990	3500	2535

AREA B	AREA A							
	Bordeaux	Bremen	Brest	Cherbourg	Copenhagen (via Kiel Canal)	Cork	Dublin	Dunkirk
Alexandria	2807	3428	2720	2905	3600	2898	3015	3083
Algiers	1419	2040	1335	1520	2215	1510	1630	1695
Ancona	2545	3166	2460	2645	3340	2636	2742	2821
Barcelona	1534	2155	1450	1635	2330	1625	1745	1810
Beirut	3023	3644	2950	3135	3830	3114	3245	3300
Bourgas	2920	3541	2835	3020	3715	3011	3130	3196
Brindisi	2288	2909	2205	2390	3085	2379	2500	2564
Cagliari	1708	2330	1635	1820	2515	1800	1930	1984
Casablanca	995	1668	980	1170	1824	1128	1225	1317
Constanța	2983	3604	2900	3082	3777	3074	3198	3259
Dubrovnik	2400	2996	2337	2488	3187	2487	2590	2655
Durres	2373	2995	2300	2485	3180	2465	2595	2650
Genoa	1864	2485	1780	1965	2660	1955	2075	2140
Gibraltar	1013	1606	973	1117	1822	1131	1204	1255
Haifa	3023	3645	2950	3135	3830	3115	3245	3275
Iskenderun	3083	3646	3010	3138	3837	3175	3240	3305
Istanbul	2791	3412	2705	2890	3585	2882	3000	3067
Izmir	2630	3251	2545	2730	3425	2721	2840	2906
Mariupol	3320	3940	3297	3430	4125	3410	3540	3595
Marseilles	1698	2319	1615	1800	2495	1789	1910	1974
Messina	2015	2636	1930	2115	2810	2106	2225	2291
Morphou Bay	2823	3535	2830	3015	3710	3005	3125	3290
Naples	1978	2599	1893	2078	2773	2069	2188	2254
Novorossiysk	3231	3852	3202	3330	4025	3322	3440	3507
Odessa	3136	3757	3050	3235	3930	3227	3345	3412
Palermo	1905	2526	1820	2005	2700	1996	2115	2181
Piraeus	2515	3136	2430	2615	3310	2606	2725	2791
Port Said	2915	3536	2830	3015	3710	3006	3125	3191
Poti	3391	4012	3300	3485	4180	3482	3595	3667
Rijeka	2655	3216	2510	2755	3450	2746	2810	2875
Sfax	2016	2579	1953	2104	2803	2103	2206	2271
Siracusa	2036	2632	1973	2124	2823	2123	2226	2291
Tarabulus (Libya)	2105	2726	2020	2205	2900	2196	2315	2381
Taranto	2289	2836	2205	2328	3027	2327	2430	2495
Thessaloniki	2713	3335	2640	2825	3520	2805	2935	2990
Trieste	2691	3256	2605	2790	3485	2782	2850	2915
Tunis	1783	2404	1700	1885	2580	1874	1995	2059
Valencia	1395	2016	1310	1495	2190	1486	1605	1671
Valletta	1989	2610	1905	2090	2785	2080	2200	2265
Venice	2682	3303	2600	2785	3480	2773	2895	2958

AREA B	AREA A							
	Emden	Esbjerg	Felixstowe	Finisterre	Gdansk (via Kiel Canal)	Gibraltar	Gijon	Glasgow
Alexandria	3317	3400	3091	2345	3810	1800	2545	3198
Algiers	1933	2015	1707	960	2425	415	1160	1810
Ancona	3034	3140	2807	2085	3550	1540	2285	2936
Barcelona	2010	2130	1784	1075	2540	530	1275	1925
Beirut	3535	3630	3309	2575	4040	2030	2775	3430
Bourgas	3409	3515	3182	2460	3925	1915	2660	3311
Brindisi	2777	2885	2552	1830	3295	1285	2030	2679
Cagliari	2209	2315	1982	1260	2725	745	1460	2115
Casablanca	1556	1770	1330	570	2021	195	763	1420
Constanța	3530	3577	3244	2522	3987	2037	2722	3374
Dubrovnik	2959	3065	2732	2010	3475	1465	2210	2865
Durres	2874	2980	2647	1925	3390	1380	2125	2780
Genoa	2371	2477	2145	1437	2836	847	1632	2258
Gibraltar	1494	1600	1268	560	1959	-	755	1381
Haifa	3522	3630	3296	2575	4040	2000	2775	3430
Iskenderun	3651	3690	3425	2635	4100	2090	2835	3490
Istanbul	3337	3385	3111	2330	3795	1795	2530	3182
Izmir	3129	3225	2953	2170	3635	1685	2370	3021
Mariupol	3820	3925	3592	2870	4335	2325	3070	3710
Marseilles	2206	2295	1980	1240	2705	695	1440	2089
Messina	2504	2610	2277	1555	3020	1023	1755	2406
Morphou Bay	3426	3510	3200	2455	3930	1910	2655	3305
Naples	2476	2573	2250	1518	2983	973	1718	2369
Novorossiysk	3720	3825	3492	2770	4235	2295	2970	3622
Odessa	3680	3730	3454	2675	4140	2186	2875	3527
Palermo	2394	2500	2167	1445	2910	900	1645	2296
Piraeus	3016	3110	2790	2055	3520	1520	2255	2906
Port Said	3436	3510	3210	2455	3920	1925	2655	3306
Poti	3875	3980	3647	2925	4390	2380	3125	3782
Rijeka	3159	3250	2933	2195	3660	1650	2395	3046
Sfax	2447	2555	2222	1500	2965	1055	1695	2349
Siracusa	2594	2700	2319	1645	3110	1100	1845	2500
Tarabulus (Libya)	2594	2700	2367	1645	3110	1100	1845	2496
Taranto	2801	2885	2575	1830	3295	1285	2030	2680
Thessaloniki	3224	3320	2998	2265	3730	1720	2465	3120
Trieste	3204	3285	2978	2230	3695	1685	2430	3082
Tunis	2313	2380	2087	1325	2790	809	1525	2174
Valencia	1907	1990	1681	935	2400	390	1135	1786
Valletta	2501	2585	2275	1530	2995	1008	1730	2380
Venice	3211	3280	2985	2225	3690	1700	2425	3073

AREA A	AREA B							
	Gothenburg	Hamburg	Härrösand (via Kiel Canal)	Helsinki	Hull	Kiel (via Canal)	Klaipeda (via Kiel Canal)	Land's End
Alexandria	3600	3443	4115	4060	3241	3467	3840	2822
Algiers	2215	2055	2730	2675	1853	2079	2455	1437
Ancona	3340	3181	3865	3800	2979	3205	3580	2562
Barcelona	2330	2170	2845	2790	1968	2194	2570	1552
Beirut	3830	3660	4345	4290	3457	3683	4070	3052
Bourgas	3715	3556	4230	4175	3354	3580	3955	2937
Brindisi	3085	2924	3600	3545	3733	2948	3325	2307
Cagliari	2515	2345	3130	2975	2142	2363	2755	1737
Casablanca	1830	1669	2342	2310	1489	1702	1682	1043
Constanța	3777	3619	4292	4237	3417	3643	4017	2999
Dubrovnik	3265	3095	3780	3725	2892	3118	3505	2487
Durres	3180	3010	3695	3640	2807	3033	3420	2402
Genoa	2660	2500	3175	3120	2298	2524	2900	1882
Gibraltar	1779	1607	2280	2248	1427	1640	2045	1022
Haifa	3830	3660	4345	4290	3457	3683	4070	3052
Iskenderun	3890	3720	4405	4350	3517	3743	4130	3112
Istanbul	3585	3427	4100	4045	3225	3451	3840	2817
Izmir	3425	3266	3940	3885	3064	3290	3665	2647
Mariupol	4125	3956	4640	4585	3752	3980	4365	3347
Marseilles	2495	2334	3010	2955	2132	2358	2740	1717
Messina	2810	2651	3325	3270	2449	2675	3050	2032
Morphou Bay	3710	3550	4225	4170	3348	3574	3950	2932
Naples	2773	2614	3288	3233	2412	2638	3013	1995
Novorossiysk	4025	3867	4540	4485	3665	3891	4265	3247
Odessa	3930	3772	4445	4390	3570	3796	4170	3152
Palermo	2700	2541	3215	3160	2339	2565	2940	1922
Piraeus	3310	3151	3825	3770	2949	3175	3550	2532
Port Said	3710	3551	4225	4170	3349	3567	3970	2957
Poti	4180	4027	4695	4640	3825	4051	4420	3402
Rijeka	3450	3291	3965	3910	3089	3315	3690	2672
Sfax	2755	2594	3270	3215	2392	2618	2995	1977
Siracusa	2900	2730	3415	3360	2527	2753	3140	2122
Tarabulus (Libya)	2900	2741	3415	3360	2539	2765	3140	2122
Taranto	3085	2925	3600	3545	2723	2949	3325	2307
Thessaloniki	3520	3350	4035	3980	3147	3373	3760	2472
Trieste	3485	3327	4000	3945	3125	3351	3725	2707
Tunis	2580	2419	3095	3040	2217	2443	2820	1802
Valencia	2190	2031	2705	2650	1829	2055	2445	1422
Valletta	2785	2625	3300	3245	2423	2649	3025	2007
Venice	3480	3318	3995	3940	3116	3342	3720	2702

AREA A	AREA B							
	Leith	Le Havre	Leixoes	Lisbon	Liverpool	London	Lulea (via Kiel Canal)	Milford Haven
Alexandria	3424	2985	2277	2109	3079	3107	4277	2920
Algiers	2036	1597	893	721	1691	1719	2892	1535
Ancona	3162	2723	1994	1847	2817	2845	4017	2660
Barcelona	2151	1712	970	836	1806	1834	3007	1650
Beirut	3640	3200	2495	2330	3295	3320	4507	3150
Bourgas	3537	3098	2369	2222	3192	3220	4392	3035
Brindisi	2905	2466	1739	1590	2560	2588	3762	2405
Cagliari	2325	1885	1169	1010	1980	2005	3192	1835
Casablanca	1662	1209	479	324	1305	1363	2557	1132
Constanța	3600	3161	2490	2285	3255	3283	4454	3097
Dubrovnik	3075	2635	1919	1760	2730	2755	3942	2585
Durres	2990	2550	1834	1675	2645	2670	3857	2500
Genoa	2481	2042	1331	1166	2136	2164	3337	1980
Gibraltar	1600	1147	454	280	1270	1301	2495	1120
Haifa	3640	3200	2482	2325	3295	3320	4507	3150
Iskenderun	3700	3260	2544	2385	3335	3380	4567	3210
Istanbul	3395	2969	2249	2075	3065	3096	4262	2905
Izmir	3247	2808	2079	1932	2902	2930	4102	2745
Mariupol	3936	3496	2779	2621	3591	3616	4802	3445
Marseilles	2295	1876	1149	975	1965	1996	3172	1815
Messina	2632	2193	1464	1317	2287	2315	3487	2130
Morphou Bay	3531	3092	2364	2216	3186	3214	4387	3030
Naples	2595	2156	1436	1280	2250	2278	3450	2093
Novorossiysk	3848	3409	2679	2533	3503	3531	4702	3345
Odessa	3752	3314	2640	2438	3408	3436	4607	3250
Palermo	2522	2083	1354	1207	2177	2205	3377	2020
Piraeus	3132	2693	1976	1817	2787	2815	3987	2630
Port Said	3525	3093	2389	2215	3205	3236	4387	3030
Poti	4008	3569	2834	2693	3663	3691	4857	3500
Rijeka	3272	2833	2119	1957	2927	2955	4127	2770
Sfax	2575	2136	1409	1260	2230	2258	3432	2070
Siracusa	2710	2270	1554	1395	2365	2390	3577	2220
Tarabulus (Libya)	2722	2283	1554	1407	2377	2405	3577	2220
Taranto	2906	2467	1739	1591	2561	2589	3762	2405
Thessaloniki	3330	2890	2184	2015	2985	3010	4197	2840
Trieste	3308	2869	2164	1993	2963	2991	4162	2805
Tunis	2400	1961	1273	1085	2055	2083	3257	1900
Valencia	2000	1573	854	680	1670	1701	2867	1510
Valletta	2606	2167	1461	1291	2261	2289	3462	2105
Venice	3299	2860	2171	1984	2954	2982	4157	2800

AREA B	AREA A							
	Murmansk	Narvik	Newcastle	Oslo	Rostock (via Kiel Canal)	Rotterdam	St Petersburg (via Kiel Canal)	Skaw
Alexandria	4620	4240	3306	3667	3537	3179	4220	3560
Algiers	3235	2855	1918	2282	2152	1791	2835	2175
Ancona	4360	3980	3044	3407	3277	2917	3960	3300
Barcelona	3350	2970	2033	2397	2267	1906	2950	2290
Beirut	4850	4470	3520	3897	3767	3395	4450	3790
Bourgas	4735	4355	3419	3782	3652	3292	4335	3675
Brindisi	4105	3725	2787	3152	3022	2660	3705	3045
Cagliari	3535	3155	2205	2582	2452	2080	3135	2475
Casablanca	3019	2464	1570	1912	1782	1410	2461	1795
Constanța	4797	4417	3482	3844	3714	3355	4397	3737
Dubrovnik	4285	3905	2955	3332	3202	2830	3885	3225
Durres	4200	3820	2870	3247	3117	2745	2800	3140
Genoa	3680	3300	2363	2727	2597	2236	3280	2620
Gibraltar	2977	2427	1508	1850	1720	1348	2399	1773
Haifa	4850	4470	3520	3897	3767	3395	4450	3790
Iskenderun	4910	4530	3580	3957	3827	3455	4510	3850
Istanbul	4605	4225	3290	3652	3522	3163	4194	3545
Izmir	4445	4065	3129	3492	3362	3002	4045	3385
Mariupol	5145	4765	3816	4192	4062	3691	4745	4085
Marseilles	3515	3135	2197	2562	2432	2070	3094	2455
Messina	3830	3450	2514	2877	2747	2387	3430	2770
Morphou Bay	4730	4350	3413	3777	3647	3286	4330	3670
Naples	3793	3413	2477	2840	2710	2350	3393	2733
Novorossiysk	4045	4665	3730	4092	3962	3603	4645	3985
Odessa	4950	4570	3635	3997	3867	3508	4550	3890
Palermo	3720	3340	2404	2767	2637	2277	3320	2660
Piraeus	4330	3950	3014	3377	3247	2887	3930	3270
Port Said	4730	4350	3414	3777	3647	3287	4274	3670
Poti	5200	4820	3890	4247	4117	3763	4800	4140
Rijeka	4470	4090	3136	3517	3387	3027	4070	3410
Sfax	3775	3395	2457	2822	2692	2330	3375	2715
Siracusa	3920	3540	2590	2967	2837	2465	3520	2860
Tarabulus (Libya)	3920	3540	2604	2967	2837	2477	3520	2860
Taranto	4105	3725	2788	3152	3022	2661	3705	3045
Thessaloniki	4540	4160	3210	3587	3457	3085	4140	3480
Trieste	4505	4125	3190	3553	3422	3063	4105	3445
Tunis	3600	3220	2282	2647	2517	2155	3200	2540
Valencia	3210	3830	1894	2257	2127	1748	2799	2173
Valletta	3805	3425	2488	2852	2722	2361	3405	2745
Venice	4500	4120	3181	3547	3417	3065	4100	3440

AREA B	AREA A							
	Southampton	Stockholm (via Kiel Canal)	Sunderland	Szczecin (via Kiel Canal)	Teesport	Trondheim	Vaasa (via Kiel Canal)	Vlissingen
Alexandria	2996	3918	3316	3650	3306	3887	4153	3115
Algiers	1611	2533	1928	2265	1918	2502	2768	1730
Ancona	2736	3658	3054	3390	3044	3627	3893	2855
Barcelona	1726	2648	2043	2380	2033	2617	2883	1845
Beirut	3224	4148	3530	3880	3520	4117	4383	3345
Bourgas	3111	4033	3429	3765	3419	4002	4268	3230
Brindisi	2481	3403	2797	3135	2787	3372	3638	2600
Cagliari	1911	2833	2215	2565	2205	2802	3068	2030
Casablanca	1160	2185	1547	1904	1525	2120	2380	1359
Constanța	3173	4095	3492	3827	3482	4064	4330	3292
Dubrovnik	2661	3583	2965	3315	2955	3552	3818	2780
Durres	2576	3498	2880	3230	2870	3467	3733	2695
Genoa	2056	2978	2373	2710	2363	2947	3213	2174
Gibraltar	1119	2123	1485	1842	1504	2099	2357	1297
Haifa	3226	4148	3530	3880	3520	4017	4383	3345
Iskenderun	3286	4208	3590	3940	3580	4177	4443	3405
Istanbul	2981	3903	3300	3635	3290	3872	4138	3100
Izmir	2821	3743	3139	3475	3129	3712	3978	2940
Mariupol	3521	4443	3826	4175	3816	4412	4678	3640
Marseilles	1891	2813	2207	2545	2197	2782	3048	2010
Messina	2206	3128	2524	2860	2514	3097	3363	2325
Morphou Bay	3106	4028	3423	3760	3413	3997	4263	3225
Naples	2169	3091	2487	2823	2477	3060	3326	2288
Novorossiysk	3421	4343	3740	4075	3730	4312	4578	3540
Odessa	3326	4248	3645	3980	3635	4217	4483	3445
Palermo	2096	3018	2414	2750	2404	2987	3253	2215
Piraeus	2706	3628	3024	3360	3014	3597	3863	2825
Port Said	3106	4028	3424	3760	3414	3997	4263	3225
Poti	3576	4498	3900	4230	3890	4467	4733	3695
Rijeka	2846	3768	3146	3500	3154	3737	4003	2965
Sfax	2151	3073	2467	2805	2457	3042	3308	2270
Siracusa	2296	3218	2600	2950	2590	3187	3453	2415
Tarabulus (Libya)	2296	3218	2614	2950	2604	3187	3453	2415
Taranto	2481	3403	2798	3135	2788	3372	3638	2600
Thessaloniki	2916	3838	3220	3570	3210	3807	4073	3035
Trieste	2881	3803	3200	3535	3190	3772	4038	3000
Tunis	1976	2898	2292	2630	2282	2861	3133	2095
Valencia	1519	2523	1885	2242	1894	2499	2757	1705
Valletta	2181	3103	2498	2835	2488	3072	3338	2300
Venice	2836	3840	3202	3530	3181	3767	4033	2995

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^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	AREA A							
	Aberdeen	Amsterdam	Antwerp	Archangel	Avonmouth	Belfast	Bergen	Bilbao
Baie Comeau	2645	2895	2860	3920	2645	2490	2910	2760
Baltimore	3385	3610	3575	4645	3455	3230	3810	3440
Boston	2885	3110	3075	4015	3025	2730	3380	2920
Cartagena (Col)	4850	4620	4585	5610	4315	4445	4680	4240
Charleston	3535	3760	3725	4690	3580	3380	3935	3590
Churchill	2970	3339	3416	4163	3100	2873	3181	3357
Cienfuegos	4890	4660	4625	5620	4215	4485	4520	4185
Colón	5060	4830	4795	5820	4510	4655	4825	4450
Curaçao	4590	4360	4325	5315	3970	4185	4385	3985
Duluth-Superior (^)	4165	4404	4380	5440	4165	4010	5430	4280
Galveston	5340	5110	5075	6161	4820	4950	5180	4755
Georgetown (G)	3735	3870	4100	5510	3830	3895	4285	3660
Halifax	2520	2745	2710	3665	2475	2365	2740	2580
Havana	4650	4420	4385	5315	4115	4215	4470	4045
Jacksonville	3725	3950	3915	4970	3730	3570	4090	3700
Key West	4590	4360	4325	5150	3990	4200	4395	4000
Kingston (Jamaica)	4590	4360	4325	5320	4010	4185	4325	3990
La Guaiara	4530	4300	4265	5375	3950	4125	4390	4055
Maracaibo	4310	4435	4410	5420	4125	4090	4490	4110
Mobile	5100	4870	4835	5680	4585	4710	4940	4520
Montreal	2995	3245	3210	4270	2995	2840	3260	3110
Nassau (Bahamas)	3740	3959	3935	5042	3662	3585	3921	3749
New Orleans	5150	4920	4885	5730	4635	4760	4995	4570
New York	3085	3310	3275	4215	3185	2930	3545	3175
Norfolk (Va)	3245	3470	3435	4400	3335	3090	3690	3340
Nuevitas	3960	4225	4205	6130	3855	3780	4140	3820
Philadelphia	3235	3460	3425	4370	3330	3080	3685	3330
Port-au-Prince	4465	4235	4200	5205	3880	4060	4220	3885
Portland (Maine)	2900	3090	3055	4110	2990	2745	3345	2940
Port of Spain	4300	4070	4035	5385	3780	3895	4200	3650
Puerto Limón	5210	4980	4945	6104	4580	4805	5336	4579
St John (NB)	2830	3020	2985	4065	2825	2675	3005	2885
St John's (NF)	1980	2260	2225	3270	1935	1825	2150	2085
San Juan (PR)	3755	3870	3850	5000	3560	3530	3935	3505
Santiago de Cuba	4490	4260	4225	5180	3885	4085	4195	3865
Santo Domingo	4310	4080	4050	5318	3767	3905	4135	3710
Tampa	4780	4550	4515	5440	4345	4390	4700	4280
Tampico	5480	5250	5215	6040	4945	5045	5300	4880
Veracruz	5440	5210	5175	6000	4905	5005	5260	4840
Wilmington (NC)	3694	3843	3819	4715	3309	3472	3875	3535

REEDS MARINE DISTANCE TABLES 17

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	AREA A							
	Bordeaux	Bremen	Brest	Cherbourg	Copenhagen	Cork	Dublin	Dunkirk
Baie Comeau	2770	3105	2610	2678	3215	2430	2605	2760
Baltimore	3450	3820	3320	3408	4115	3175	3415	3475
Boston	2950	3320	2875	2953	3685	2675	2985	2975
Cartagena (Col)	4480	4830	4195	4324	4985	4325	4275	4485
Charleston	3805	3970	3455	3552	4240	3325	3540	3625
Churchill	3365	3390	3100	3170	3400	2900	2973	3320
Cienfuegos	4625	4870	4410	4247	4825	4250	4175	4525
Colón	4695	5040	4420	4539	5130	4445	4480	4695
Curaçao	4120	4570	3840	3985	4690	3975	3930	4225
Duluth-Superior (^)	4290	4625	4130	4198	4735	3950	4125	4280
Galveston	5045	5320	4665	4747	5480	4725	4780	4975
Georgetown (G)	3810	4345	3725	3841	4575	3660	3805	4000
Halifax	2585	2955	2450	2520	3045	2280	2440	2610
Havana	4355	4630	3955	4052	4775	4010	4075	4285
Jacksonville	3985	4160	3580	3753	4395	3515	3695	3815
Key West	4295	4570	3895	3991	4740	3975	4000	4225
Kingston (Jamaica)	4300	4570	3955	4050	4625	3950	3980	4225
La Guaiara	4030	4510	3845	4020	4705	3915	3910	4156
Maracaibo	4180	4655	4010	4159	4795	3935	4085	4310
Mobile	4805	5080	4430	4550	5245	4485	4545	4735
Montreal	3120	3455	2960	3028	3565	2780	2955	3110
Nassau (Bahamas)	3849	4177	3622	3739	4225	3487	3637	3833
New Orleans	4855	5130	4480	4613	5300	4535	4595	4785
New York	3150	3520	3015	3183	3850	2875	3145	3175
Norfolk (Va)	3310	3680	3170	3314	3995	3035	3295	3335
Nuevitas	4010	4445	3730	3904	4445	3665	3815	4100
Philadelphia	3300	3670	3160	3266	3990	3025	3290	3325
Port-au-Prince	4200	4445	3825	3927	4525	3825	3845	4100
Portland (Maine)	2930	3300	2740	2914	3650	2655	2950	2955
Port of Spain	3815	4260	3615	3786	4530	3685	3750	3935
Puerto Limón	4845	5190	4496	4623	5436	4570	4534	4845
St John (NB)	2860	3230	2645	2775	3310	2555	2785	2885
St John's (NF)	2160	2470	1930	1993	2455	1795	1895	2125
San Juan (PR)	3545	4090	3465	3636	4240	3370	3520	3745
Santiago de Cuba	4225	4470	3825	3936	4500	3850	3950	4125
Santo Domingo	3825	4290	3645	3781	4439	3570	3728	3945
Tampa	4485	4760	4190	4258	5005	4165	4365	4415
Tampico	5185	5460	4790	4880	5605	4840	4905	5115
Veracruz	5145	5420	4750	4842	5565	4800	4865	5075
Wilmington (NC)	3614	4061	3140	3488	4179	3329	3479	3717

Eastern Canada, E Coast of North and Central America, US Gulf, Gulf of Mexico, and Caribbean Sea

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^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	AREA A							
	Emden	Esbjerg	Felixstowe	Finisterre	Gdansk (via Kiel Canal)	Gibraltar	Gijon	Glasgow
Baie Comeau	3100	2954	2892	2476	3520	2810	2627	2535
Baltimore	3905	3799	3687	3180	4370	3445	3309	3275
Boston	3475	3344	3257	2707	3940	2945	2854	2775
Cartagena (Col)	4750	4794	4532	3952	5215	4125	4127	4545
Charleston	4030	3943	3812	3313	4495	3577	3471	3425
Churchill	3341	3287	4157	3176	3690	3657	3250	2920
Cienfuegos	4655	4683	4437	3922	5120	4300	4093	4585
Colón	4930	4981	4712	4166	5395	4340	4341	4755
Curaçao	4410	4483	4192	3591	4875	3765	3765	4285
Duluth-Superior (^)	4620	4474	4412	3996	5040	4330	4149	4055
Galveston	5270	5111	5052	4464	5375	4810	4618	5045
Georgetown (G)	4250	4339	4032	3352	4715	3350	3518	3960
Halifax	2930	2867	2722	2318	3350	2625	2471	2410
Havana	4560	4487	4342	3766	5025	4120	3923	4310
Jacksonville	4180	4101	3962	3466	4645	3750	3624	3615
Key West	4410	4355	4192	3705	4875	4060	3862	4295
Kingston (Jamaica)	4430	4483	4212	3714	4895	3975	3886	4285
La Guaira	4375	4486	4157	3550	4840	3675	3736	4225
Maracaibo	4560	4642	4342	3765	5025	3910	3942	4125
Mobile	5030	4884	4812	4234	5495	4570	4391	4805
Montreal	3450	3304	3242	2826	3870	3160	2979	2885
Nassau (Bahamas)	4082	4117	3864	3448	4547	3640	3613	3620
New Orleans	5085	4956	4867	4309	5550	4620	4463	4855
New York	3635	3512	3417	2875	4100	3145	3022	2975
Norfolk (Va)	3780	3676	3562	3057	4245	3305	3186	3135
Nuevitas	4350	4340	4132	3593	4815	3815	3759	3815
Philadelphia	3780	3657	3557	3050	4240	3295	3167	3125
Port-au-Prince	4325	4356	4107	3583	4790	3875	3754	4160
Portland (Maine)	3535	3177	3217	2668	3900	2925	2815	2790
Port of Spain	4200	4343	3982	3338	4665	3460	3527	3995
Puerto Limón	5039	5054	4818	4285	5490	4490	4456	4905
St John (NB)	3195	3122	3062	2573	3615	2855	2726	2720
St John's (NF)	2340	2291	2192	1823	2760	2200	1966	1870
San Juan (PR)	3995	4059	3777	3199	4460	3335	3382	3565
Santiago de Cuba	4305	4369	4087	3608	4770	3900	3779	41855
Santo Domingo	4202	4251	3984	3410	4667	3600	3584	3885
Tampa	4795	4627	4577	3977	5260	4250	4134	4485
Tampico	5395	5244	5177	4594	5860	4950	4751	5145
Veracruz	5355	5206	5137	4556	5820	4910	4713	5105
Wilmington (NC)	3966	3879	3648	3251	4431	3533	3409	3507

REEDS MARINE DISTANCE TABLES 19

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	AREA A							
	Gothenburg	Hamburg	Härnösand	Helsinki	Hull	Kiel (via Canal)	Klaipeda	Land's End
Baie Comeau	3105	3120	3780	3755	2920	3180	3462	2504
Baltimore	4010	3835	4680	4655	3630	4030	4307	3234
Boston	3580	3335	4250	4225	3135	3600	3852	2779
Cartagena (Col)	4875	4845	5535	5500	4645	4875	5302	4150
Charleston	4135	3985	4805	4780	3785	4155	4451	3378
Churchill	3110	3390	4058	4000	3215	3415	3795	2986
Cienfuegos	4715	4885	5390	5365	4685	4780	5191	4073
Colón	5020	5055	5695	5670	4855	5060	5489	4365
Curaçao	4580	4585	5255	5165	4385	4540	4993	3811
Duluth-Superior (^)	4625	4640	5300	5275	4440	4700	4982	4024
Galveston	5375	5335	6050	6020	5135	5395	5619	4573
Georgetown (G)	4115	4110	5035	5000	4175	4375	4950	3667
Halifax	2940	2970	3610	3585	2770	3010	3375	2346
Havana	4665	4645	5340	5315	4445	4685	4995	3878
Jacksonville	4285	4175	4960	4935	3975	4305	4609	3579
Key West	4595	4585	5195	5165	4385	4535	4860	3817
Kingston (Jamaica)	4520	4585	5195	5165	4385	4555	4991	3876
La Guaira	4585	4525	5160	5130	4325	4500	4994	3793
Maracaibo	4690	4675	5345	5315	4490	4685	5150	3985
Mobile	5135	5095	5810	5785	4895	5160	5392	4346
Montreal	3455	3470	4130	4105	3270	3530	3812	2854
Nassau (Bahamas)	4117	4197	4791	4765	3985	4208	4625	3565
New Orleans	5190	5145	5865	5840	4945	5210	5465	4418
New York	3740	3535	4415	4385	3335	3760	4020	2947
Norfolk (Va)	3885	3695	4560	4535	3495	3905	4184	3111
Nuevitas	4335	4465	5010	4985	4280	4475	4848	3730
Philadelphia	3880	3685	4555	4530	3485	3900	4165	3092
Port-au-Prince	4415	4460	5090	5065	4260	4450	4864	3753
Portland (Maine)	3540	3315	4215	4190	3115	2565	3685	2740
Port of Spain	4395	4295	4990	4955	4095	4330	4851	3600
Puerto Limón	5111	5205	6044	5787	5005	5145	5562	4449
St John (NB)	3200	3245	3875	3850	3045	3275	3630	2601
St John's (NF)	2345	2485	3020	2995	2285	2420	2799	1821
San Juan (PR)	4130	4110	4780	4750	3925	4120	4567	3395
Santiago de Cuba	439	4485	5065	5040	4285	4430	4877	3762
Santo Domingo	4331	4305	4988	4956	4105	4328	4759	3607
Tampa	4900	4775	5570	5545	4575	4920	5135	4089
Tampico	5500	5475	6170	6145	5275	5520	5752	4709
Veracruz	5460	5435	6130	6105	5255	5480	5714	4668
Wilmington (NC)	4071	4081	4745	4719	3895	4092	4387	3314

20 REEDS MARINE DISTANCE TABLES

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	Le Havre	Leith	Leixoes	Lisbon	Liverpool	London	Lulea	Milford Haven
Baie Comeau	2665	2730	2631	2570	2630	2785	4005	2550
Baltimore	3380	3470	3239	3205	3375	3500	4905	3279
Boston	2880	2970	2776	2705	2875	3000	4475	2824
Cartagena (Col)	4390	4825	3979	3985	4425	4510	5750	4215
Charleston	3530	3620	3372	3370	3525	3650	5030	3423
Churchill	3346	3050	3247	3387	2930	3387	4240	3080
Cienfuegos	4430	4865	3958	4130	4465	4550	5615	4124
Colón	4600	5035	4193	4200	4635	4720	5920	4429
Curaçao	4130	4565	3605	3625	4165	4220	5415	3879
Duluth-Superior (^)	4185	4250	4151	4090	4150	4305	5525	4064
Galveston	4880	5315	4523	4610	4925	5000	6270	4623
Georgetown (G)	3655	3815	3364	3375	3595	3800	4995	3782
Halifax	2515	2605	2469	2385	2480	2635	3840	2386
Havana	4190	4625	3820	3920	4195	4310	5565	3928
Jacksonville	3720	3810	3525	3550	3715	3840	5185	3629
Key West	4130	4565	3759	3860	4175	4250	5410	3867
Kingston (Jamaica)	4130	4565	3749	3805	4165	4250	5420	3924
La Guiara	4070	4505	3570	3535	4105	4190	5375	3875
Maracaibo	4220	4390	3781	3825	4155	4265	5560	4053
Mobile	4640	5075	4288	4370	4685	4760	6035	4396
Montreal	3015	3080	2981	2920	2980	3135	4355	2894
Nassau (Bahamas)	3742	3818	3503	3465	3709	3890	4404	3615
New Orleans	4690	5125	4368	4420	4735	4810	6090	4468
New York	3080	3170	2944	2905	3075	3200	4620	2992
Norfolk (Va)	3240	3300	3116	3065	3235	3360	4785	3156
Nuevitas	4010	4035	3641	3515	3885	4160	5235	3778
Philadelphia	3230	3320	3109	3055	3225	3350	4780	3137
Port-au-Prince	4005	4440	3618	3705	4040	4125	5315	3797
Portland (Maine)	2860	2985	2737	2685	2855	2980	4440	2785
Port of Spain	3840	4275	3355	3320	3875	3960	5205	3762
Puerto Limón	4750	5185	4325	4350	4785	4870	6007	4497
St John (NB)	2790	2915	2687	2615	2755	2910	4100	2641
St John's (NF)	2030	2065	1905	1960	1995	2150	3245	1849
San Juan (PR)	3655	3830	3225	3185	3595	3805	4995	3478
Santiago de Cuba	4030	4465	3644	3730	4065	4150	5290	3808
Santo Domingo	3850	4285	3436	3430	3885	3970	5203	3672
Tampa	4320	4755	4031	4050	4365	4440	5795	4139
Tampico	5020	5455	4656	4750	5025	5140	6395	4756
Veracruz	4980	5415	4618	4710	4985	5100	6355	4718
Wilmington (NC)	3626	3772	3308	3319	3551	3774	4970	3361

AREA C
 Baie Comeau, Baltimore, Boston, Cartagena (Col), Charleston, Churchill, Cienfuegos, Colón, Curaçao, Duluth-Superior (^), Galveston, Georgetown (G), Halifax, Havana, Jacksonville, Key West, Kingston (Jamaica), La Guiara, Maracaibo, Mobile, Montreal, Nassau (Bahamas), New Orleans, New York, Norfolk (Va), Nuevitas, Philadelphia, Port-au-Prince, Portland (Maine), Port of Spain, Puerto Limón, St John (NB), St John's (NF), San Juan (PR), Santiago de Cuba, Santo Domingo, Tampa, Tampico, Veracruz, Wilmington (NC)

REEDS MARINE DISTANCE TABLES 21

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	Murmansk	Narvik	Newcastle	Oslo	Rostock	Rotterdam	St Petersburg	Skaw
Baie Comeau	3500	2935	3125	3140	3265	2855	3905	2962
Baltimore	4190	3825	3780	4040	4115	3570	4805	3807
Boston	3720	3320	3350	3610	3685	3070	4375	3352
Cartagena (Col)	5270	5105	4650	4910	4960	4580	5655	4802
Charleston	4455	3995	3905	4165	4240	3720	4930	3951
Churchill	3800	3510	3095	3350	3500	3330	4141	3298
Cienfuegos	5090	4920	4490	4745	4865	4620	5515	4691
Colón	5625	5225	4795	5055	5145	4790	5820	4989
Curaçao	5250	4815	4355	4610	4625	4320	5315	4493
Duluth-Superior (^)	5020	4455	4645	4660	4785	4375	5425	4483
Galveston	6110	5330	5145	5405	5480	5070	6175	5119
Georgetown (G)	5725	5225	4255	4515	4460	4100	4910	4450
Halifax	3370	2905	2710	2970	3095	2705	3735	2880
Havana	5385	4885	4440	4700	4770	4380	5465	4495
Jacksonville	4540	4545	4060	4315	4390	3910	5085	4109
Key West	5260	4420	4365	4625	4620	4320	5315	4363
Kingston (Jamaica)	4875	4735	4290	4550	4640	4320	5320	4491
La Guiara	5165	5415	4360	4615	4585	4260	5280	4494
Maracaibo	6290	4925	4460	4720	4770	4415	5465	4650
Mobile	5875	5090	4910	5170	5245	4830	5936	4892
Montreal	3850	3285	3475	3490	3615	3205	4255	3312
Nassau (Bahamas)	5015	4320	3890	4149	4293	3936	4916	4125
New Orleans	5930	5185	4965	5220	5295	4880	5990	4964
New York	3845	3790	3510	3770	3845	3270	4540	3520
Norfolk (Va)	4330	3800	3660	3920	3990	3430	4685	3684
Nuevitas	5140	4370	4105	4365	4560	4205	5135	4348
Philadelphia	4040	3975	3655	3915	3985	3420	4680	3665
Port-au-Prince	5175	4645	4190	4445	4535	4195	5215	4364
Portland (Maine)	3675	3285	3315	3575	2650	3050	4340	3185
Port of Spain	5500	4970	4165	4425	4415	4030	5105	4351
Puerto Limón	5732	5308	4860	5136	5230	4940	5925	4962
St John (NB)	3630	3100	2975	3235	3360	2980	4000	3130
St John's (NF)	2880	2350	2120	2380	2505	2220	3145	2299
San Juan (PR)	4900	4390	3905	4160	4205	3850	4900	4067
Santiago de Cuba	5175	4645	4165	4425	4515	4220	5190	4377
Santo Domingo	4869	4566	4104	4363	4413	4040	5107	4259
Tampa	5635	4850	4670	4930	5005	4510	5695	4635
Tampico	6235	5450	5270	5530	5605	5210	6295	5252
Veracruz	6195	5795	5230	5490	5565	5170	6255	5214
Wilmington (NC)	4300	4178	3844	4103	4177	3820	4870	3889

Eastern Canada, E Coast of North and Central America, US Gulf, Gulf of Mexico, and Caribbean Sea

22 REEDS MARINE DISTANCE TABLES

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	Southampton	Stockholm	Sunderland	Szczecin	Teesport	Trondheim	Vaasa	Wlissingen
Baie Comeau	2630	3630	2995	3400K	2985	2960	3712	2915
Baltimore	3345	4530K	3710	4250K	3700	3805	4557	3705
Boston	2845	4100K	3210	3820K	3200	3350	4102	3275
Cartagena (Col)	4355	5375K	4720	5095K	4710	4806	5552	4550
Charleston	3495	4655K	3860	4375K	3850	3949	4701	3830
Churchill	3205	3860	3090	3595	3121	3270	4045	3370
Cienfuegos	4395	5240	4760	5000K	4750	4689	5441	4460
Colón	4565	5545	4930	5280K	4920	4987	5739	4735
Curaçao	4095	5040K	4430	4760K	4420	4503	5243	4255
Duluth-Superior (^)	4150	5150	5154	4920	4505	4480	5232	4435
Galveston	4845	5900K	5210	5615K	5200	5117	5869	5070
Georgetown (G)	3870	4875K	4240	4595K	4260	4492	5200	4050
Halifax	2480	3465	2845	3235K	2835	2873	3625	2745
Havana	4155	5190	4520	4910K	4510	4493	5245	4365
Jacksonville	3685	4810	4050	4530K	4040	4107	4859	3985
Key West	4095	5120	4460	4760K	4450	4361	5113	4215
Kingston (Jamaica)	4095	5045	4460	4780K	4450	4489	5241	4235
La Guiara	4035	5005K	4400	4725K	4390	4551	5244	4180
Maracaibo	4180	5190K	4460	4905K	4476	4654	5400	4360
Mobile	4605	5660K	4970	5380K	4960	4890	5642	4835
Montreal	2980	3980	3345	3750K	3335	3310	4062	3265
Nassau (Bahamas)	3702	4642	3897	4412K	3920	4123	4875	3885
New Orleans	4655	5715K	5020	5435K	5010	4962	5714	4890
New York	3045	4265	3410	3982K	3400	3518	4270	3440
Norfolk (Va)	3205	4410K	3570	4130K	3560	3682	4434	3585
Nuevitas	3970	4860	4105	4630K	4126	4346	5098	4153
Philadelphia	3195	4405K	3560	4125K	3550	3663	4415	3580
Port-au-Prince	3970	4940	4335	4675K	4325	4362	5114	4130
Portland (Maine)	2825	3855	3190	3625K	3180	3183	3935	3240
Port of Spain	3805	4830K	4170	4550K	4160	4408	5101	4005
Puerto Limón	4715	5639	5080	5365	5070	5060	5812	4850
St John (NB)	2755	3725	3120	3570	3110	3128	3880	3085
St John's (NF)	1995	2870	2360	2640K	2350	2297	2049	2210
San Juan (PR)	3615	4625K	3900	4345K	3893	4124	4817	3800
Santiago de Cuba	3995	4920	4360	4650K	4350	4375	5127	4105
Santo Domingo	3815	4831	4180	4550K	4170	4263	5009	4003
Tampa	4285	5425	4650	5140K	4640	4633	5385	4595
Tampico	4985	6025	5350	5740K	5340	5250	6002	5195
Veracruz	4945	5985	5310	5700K	5300	5212	5964	5155
Wilmington (NC)	3586	4596	3842	4314K	3862	3884	4637	3769

REEDS MARINE DISTANCE TABLES 23

^Special section on page 214 devoted to distances within the Plate and Parana rivers.

AREA D	Aberdeen	Amsterdam	Antwerp	Archangel	Avonmouth	Belfast	Bergen	Bilbao
Azores (Pt Delgada)	1789	1556	1521	3280	1280	1439	1995	1089
Bahia Blanca	6890	6660	6625	8355	6260	6380	6855	6175
Beira †	7605	7375	7340	9155	7090	7225	7730	6800
Belem	4465	4235	4200	5805	3945	4080	4515	3700
Buenos Aires (^)	6670	6440	6405	8115	6135	6270	6810	5900
Cape Horn	7725	7465	7441	9262	7225	7341	7878	6941
Cape Town	6490	6260	6225	8050	5970	6100	6640	5680
Conakry	3295	3045	3021	4845	2805	2936	3474	2522
Dakar	2870	2640	2605	4420	2375	2510	3060	2095
Dar es Salaam †	6695	6465	6430	8323	6203	6334	6840	5909
Diego Suarez †	6795	6565	6530	8420	6302	6433	6939	6008
Douala	4835	4609	4585	6400	4354	4488	5038	4075
Durban C	7330	7100	7065	8775	6750	6880	7410	6500
East London C	7045	6815	6780	8525	6495	6630	7160	6250
Lagos	4580	4350	4315	6040	3935	4070	4660	3715
Las Palmas	2024	1791	1756	3670	1540	1674	2265	1258
Lobito	5370	5120	5095	6950	4900	5030	5545	4550
Luanda	5262	4890	4865	6800	4750	4888	5395	4400
Madeira	1799	1566	1531	3340	1320	1449	1990	1079
Maputo C	7630	7400	7365	9070	7045	7180	7710	6800
Mauritius †	7295	7065	7030	8915	6797	6928	7434	6503
Mogadiscio †	6035	5785	5770	7645	5575	5710	6215	5285
Mombasa †	6595	6365	6330	8175	6110	6242	6750	5815
Monrovia	3565	3335	3300	5120	3074	3208	3758	2795
Montevideo	6550	6320	6285	7990	6020	6155	6695	5775
Mozambique I †	7105	6875	6840	8704	6586	6717	7223	6292
Port Elizabeth C	6910	6680	6645	8400	6375	6510	7040	6125
Port Harcourt	4685	4455	4420	6270	4224	4358	4908	3945
Porto Alegre	6390	6160	6125	7905	5914	6008	6496	5679
Recife	4455	4225	4190	5945	3955	4090	4615	3715
Réunion Island †	7277	7029	7003	8887	6819	6950	7456	6425
Rio de Janeiro	5540	5310	5275	7015	5030	5160	5710	4790
Salvador	4840	4610	4575	6335	4304	4438	4926	4109
Santos	5175	5485	5450	7195	5200	5335	5860	4975
Sao Vicente Island	2844	2611	2576	4345	2350	2494	3030	2062
Takoradi	4185	3955	3920	5610	3585	3720	4290	3390
Tema	4285	4055	4020	5930	3770	3905	4475	3580
Tramandai	6240	6010	5975	7755	5709	5858	6346	5529
Vitoria (Brazil)	5290	5060	5025	6795	4764	4898	5386	4569
Walvis Bay	5865	5635	5600	7365	5245	5380	5920	5065

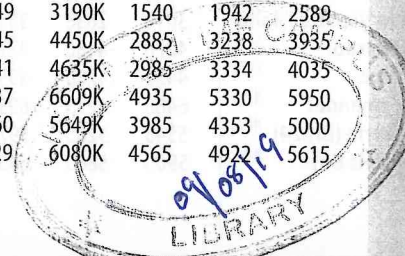
^Special section on page 214 devoted to distances within the Plate and Parana rivers.

AREA D	AREA A							
	Bordeaux	Bremen	Brest	Cherbourg	Copenhagen (via Kiel Canal)	Cork	Dublin	Dunkirk
Azores (Pt Delgada)	1227	1768	1075	1259	2020	1220	1353	1423
Bahia Blanca	6270	6870	6160	6353	6970	6345	6295	6525
Beira †	6945	7585	6905	7049	7455	7055	7135	7240
Belem	3845	4445	3800	3913	4665	3920	3990	4100
Buenos Aires (^)	6050	6650	5930	6074	6835	6125	6180	6305
Cape Horn	7087	7659	7055	7172	7710	7118	7250	7351
Cape Town	5820	6470	5765	5896	6660	5940	6015	6125
Conakry	2663	3282	2600	2748	3498	2724	2848	2931
Dakar	2245	2850	2170	2315	3080	2320	2420	2505
Dar es Salaam †	6055	6675	6015	6159	6864	6145	6246	6330
Diego Suarez †	6154	6775	6114	6258	6963	6245	6341	6430
Douala	4223	4846	4152	4283	5062	4260	4400	4495
Durban C	6600	7310	6520	6677	7435	6780	6795	6965
East London C	6345	7025	6265	6421	7185	6495	6540	6680
Lagos	3855	4560	3785	3904	4680	4030	3980	4215
Las Palmas	1367	2003	1360	1444	2235	1474	1588	1658
Lobito	4750	5355	4685	4843	5570	4815	4945	5005
Luanda	4599	5206	4532	4710	5432	4668	4800	4865
Madeira	1177	1778	1085	1269	2010	1249	1363	1433
Maputo C	6895	7610	7265	6971	7730	7080	7090	7265
Mauritius †	6649	7275	6609	6753	7458	6745	6840	6930
Mogadiscio †	5430	6025	5390	5567	6240	5545	5620	5670
Mombasa †	5965	6575	5925	6067	6770	6045	6155	6230
Monrovia	2943	3545	2872	2999	3782	3015	3120	3200
Montevideo	5930	6530	5800	5977	6720	6005	6065	6185
Mozambique I †	6438	7085	6398	6542	7247	6555	6629	6740
Port Elizabeth C	6225	6840	6145	6299	7060	6360	6420	6545
Port Harcourt	4093	4665	4022	4147	4932	4135	4270	4320
Porto Alegre	5785	6370	5663	5834	6622	5800	5920	6025
Recife	3835	4430	3795	3907	4660	3910	4000	4090
Réunion Island †	6671	7264	6631	6775	7480	6800	6862	6913
Rio de Janeiro	4920	5520	4840	4976	5730	4995	5075	5175
Salvador	4220	4820	4093	4291	5052	4205	4350	4475
Santos	5095	5695	4990	5163	5920	5170	5245	5350
Sao Vicente Island	2222	2823	2130	2314	3000	2294	2408	2478
Takoradi	3525	4165	3485	3594	4315	3635	3630	3820
Tema	3685	4265	3605	3690	4495	3735	3815	3920
Tramandai	5620	6220	5513	5684	6472	5635	5770	5875
Vitoria (Brazil)	4670	5270	4553	4707	5512	4700	4810	4925
Walvis Bay	5190	5845	5120	5278	5940	5315	5294	5500

^Special section on page 214 devoted to distances within the Plate and Parana rivers.

AREA D	AREA A							
	Emden	Esbjerg	Felixstowe	Finisterre	Gdansk	Gibraltar	Gijon	Glasgow
Azores (Pt Delgada)	1700	1793	1442	805	2156K	990	990	1534
Bahia Blanca	6640	6914	6412	5806	7105K	5585	6003	6640
Beira †	7425	7598	5017	6482	7890K	5960	6672	7355
Belem	4340	4451	4112	3393	4805K	3305	3586	4215
Buenos Aires (^)	6505	6635	6282	5527	6970K	5365	5722	6420
Cape Horn	7590	7676	7373	6625	8056K	6387	6818	7423
Cape Town	6335	6446	6107	5347	6800K	5190	5540	6240
Conakry	3170	3317	2944	2199	3635K	1916	2392	3025
Dakar	2755	2882	2527	1766	3220K	1570	1959	2620
Dar es Salaam †	6536	6708	6310	5592	7001K	5050	5782	6445
Diego Suarez †	6635	6807	6409	5691	7100K	5150	5881	6545
Douala	4734	4852	4508	3734	5199K	3467	3927	4577
Durban C	7105	7246	6882	6128	7575K	6030	6321	7080
East London C	6855	6990	6632	5872	7320K	5745	6065	6795
Lagos	4355	4473	4132	3355	4820K	3280	3548	4330
Las Palmas	1905	2048	1677	930	2370K	715	1124	1769
Lobito	5245	5412	5017	4294	5710K	3995	4487	5120
Luanda	5095	5279	4878	4161	5569K	3837	4354	4970
Madeira	1690	1832	1452	715	2155K	610	908	1544
Maputo C	7405	7540	7177	6422	7870K	6330	6615	7380
Mauritius †	7130	7302	6904	6186	7595K	5650	6376	7045
Mogadiscio †	5910	6156	5687	4974	6375K	4390	5131	5785
Mombasa †	6445	6616	6217	5500	6910K	4950	5690	6345
Monrovia	3454	3566	3228	2448	3919K	2265	2641	3315
Montevideo	6390	6538	6167	5430	6855	5245	5625	6300
Mozambique I †	6919	7091	6693	5975	7384K	5460	6165	6855
Port Elizabeth C	6735	6868	6507	5750	7200K	5610	5943	6660
Port Harcourt	4604	4716	4378	3598	5069K	3385	3791	4435
Porto Alegre	6294	6395	6068	5287	6759K	5085	5480	6097
Recife	4335	4467	4107	3360	4800K	3150	3553	4205
Réunion Island †	7152	7324	6926	6208	7617K	5658	6398	7039
Rio de Janeiro	5405	5539	5182	4429	5870K	4235	4622	5290
Salvador	4724	4848	4498	3746	5189K	3535	3939	4528
Santos	5590	5726	5367	4616	6055K	4410	4809	5465
Sao Vicente Island	2725	2862	2497	1749	3190K	1540	1942	2589
Takoradi	3985	4163	3762	3045	4450K	2885	3238	3935
Tema	4170	4259	3942	3141	4635K	2985	3334	4035
Tramandai	6144	6245	5918	5137	6609K	4935	5330	5950
Vitoria (Brazil)	5184	5270	4958	4160	5649K	3985	4353	5000
Walvis Bay	5615	5847	5387	4729	6080K	4565	4922	5615

E Coast of South America, Atlantic Islands, E and W Africa



26 REEDS MARINE DISTANCE TABLES

^Special section on page 214 devoted to distances within the Plate and Parana rivers.

AREA D	AREA A							
	Gothenburg	Hamburg	Härrönsand	Helsinki	Hull	Kiel (via Canal)	Klaipeda	Land's End
Azores (Pt Delgada)	1975	1783	2475K	2445K	1581	1807	2226	1121
Bahia Blanca	6925	6885	7425K	7395K	6685	6910	7347	6242
Beira †	7710	7600	8210K	6180K	7400	7625	8042	6926
Belem	4625	4460	5125	5095	4260	4485	4884	3779
Buenos Aires (^)	6790	6665	7290K	7260K	6465	6690	7068	5963
Cape Horn	7884	7693	8411K	8348K	7512	7716	8167	7062
Cape Town	6620	6485	7120K	7085K	6285	6460	6898	5793
Conakry	3455	3068	3956K	3924K	3103	3296	3750	2645
Dakar	3040	2865	3540K	3510K	2665	2880	3317	2212
Dar es Salaam †	6821	6690	7322K	7290K	6490	6715	7142	6042
Diego Suarez †	6920	6790	7421K	7389	6590	6815	7241	6141
Douala	5019	4847	5520K	5488K	4667	4860	5285	4180
Durban C	7395	7325	7895K	7860K	7125	7235	7679	6574
East London C	7140	7040	7640K	7610K	6840	6980	7423	6318
Lagos	4640	4575	5140K	5110K	4375	4480	4906	3801
Las Palmas	2190	2018	2695K	2660K	1816	2042	2481	1377
Lobito	5530	5350	6030K	6000K	5175	5370	5845	4740
Luanda	5389	5217	5888K	5858K	5037	5230	5712	4607
Madeira	1975	1793	2475K	2440K	1591	1817	2265	1160
Maputo C	7690	7625	8190K	8160K	7425	7530	7933	6868
Mauritius †	7415	7290	7916K	7884K	7090	7315	7736	6636
Mogadiscio †	6195	5530	6700K	6665K	5840	6040	6440	5384
Mombasa †	6730	6590	7230K	7200K	6390	6615	7060	5944
Monrovia	3739	3560	4240K	4208K	3320	3580	3999	2894
Montevideo	6675	6545	7180K	7145K	6345	6570	6971	5866
Mozambique I †	7204	7100	7705K	7673K	6900	7125	7525	6425
Port Elizabeth C	7020	6905	7520K	7490K	6705	6860	7301	6196
Port Harcourt	4889	4680	5390K	5358K	4480	4730	5149	4044
Porto Alegre	6638	6385	7080K	7048K	6185	6410	6828	5723
Recife	4620	4450	5120K	5090K	4250	4475	4908	3795
Réunion Island †	7437	7265	7938K	7906K	7085	7278	7758	6658
Rio de Janeiro	5690	5535	6190K	6160K	5335	5560	5972	4867
Salvador	5068	4835	5510K	5478K	4635	4860	5281	4176
Santos	5875	5710	6375K	6345K	5510	5735	6159	5045
Sao Vicente Island	3010	2838	3515K	3480K	2636	2862	3295	2190
Takoradi	4270	4180	4775K	4740K	3980	4115	4596	3491
Tema	4455	4280	4955K	4925K	4040	4295	4692	3587
Tramandai	6488	6235	6930K	6898K	6035	6260	6678	5573
Vitoria (Brazil)	5548	5285	5970K	5938K	5085	5310	5703	4598
Walvis Bay	5900	5860	6400K	6370K	5660	5740	6280	5175

REEDS MARINE DISTANCE TABLES 27

^Special section on page 214 devoted to distances within the Plate and Parana rivers.

AREA D	AREA A							
	Le Havre	Leith	Leixoes	Lisbon	Liverpool	London	Lulea	Miford Haven
Azores (Pt Delgada)	1325	1764	820	785	1415	1447	2690K	1219
Bahia Blanca	6430	6865	5753	5590	6520	6550	7640K	6360
Beira †	7145	7580	6386	6295	7235	7265	8425K	7039
Belem	4005	4440	3348	3245	4095	4125	5340K	3891
Buenos Aires (^)	6210	6645	5470	5370	6300	6330	7505K	6078
Cape Horn	7235	7699	6568	6418	7329	7510	8596K	7181
Cape Town	6030	6465	5272	5195	6120	6150	7335K	5911
Conakry	2823	3276	2119	1973	2914	2977	4171K	2763
Dakar	2410	2845	1686	1575	2500	2530	3755K	2330
Dar es Salaam †	6235	6670	5492	5355	6325	6355	7537K	6152
Diego Suarez †	6335	6770	5591	5455	6425	6455	7636K	6251
Douala	4387	4840	3659	3524	4466	4541	5735K	4298
Durban C	6870	7305	6089	6035	6960	6990	8110K	6692
East London C	6585	7020	5836	5750	6675	6705	7855K	6436
Lagos	4120	4555	3276	3285	4210	4240	5355K	3919
Las Palmas	1560	2000	852	720	1650	1682	2905K	1486
Lobito	4895	5360	4219	4026	4986	5061	6245K	4858
Luanda	4807	5210	4086	3894	4836	4911	6095K	4725
Madeira	1335	1774	653	525	1425	1457	2690K	1268
Maputo C	7170	7605	6385	6335	7260	7290	8405K	6986
Mauritius †	6835	7270	6086	5955	6925	6955	8131K	6746
Mogadiscio †	5575	6018	4872	4695	5688	5719	6915K	5502
Mombasa †	6135	6570	5404	5255	6225	6255	7445K	6060
Monrovia	3105	3540	2368	2270	3195	3225	4455K	3012
Montevideo	6090	6525	5373	5250	6180	6210	7395K	5981
Mozambique I †	6645	7080	5875	5765	6735	6765	7920K	6535
Port Elizabeth C	6450	6885	5715	5615	6540	6570	7735K	6314
Port Harcourt	4225	4660	3525	3390	4315	4345	5605K	4162
Porto Alegre	5930	6365	5230	5090	6020	6050	7295K	5840
Recife	3995	4430	3308	3155	4085	4115	5335K	3909
Réunion Island †	6800	7258	6108	5945	6930	6959	8153K	6768
Rio de Janeiro	5080	5515	4372	4240	5170	5200	6405K	4974
Salvador	4380	4815	3688	3540	4470	4500	5725K	4293
Santos	5255	5690	4559	4415	5345	5375	6595K	5166
Sao Vicente Island	2380	2820	1685	1545	2470	2500	3730K	2295
Takoradi	3725	4160	2966	2890	3815	3845	4990K	3609
Tema	3825	4260	3062	2990	3915	3945	5170K	3705
Tramandai	5780	6215	5080	4940	5870	5900	7165K	5690
Vitoria (Brazil)	4830	5265	4103	3990	4920	4950	6185K	4710
Walvis Bay	5405	5840	4654	4570	5495	5525	6615K	5293

^Special section on page 214 devoted to distances within the Plate and Parana rivers.

AREA D	Murmansk	Narvik	Newcastle	Oslo	Rostock (via Kiel Canal)	Rotterdam	St Petersburg (via Kiel Canal)	Skaw
Azores (Pt Delgada)	2825	2345	1705	2045	1911	1519	2696	1965
Bahia Blanca	7845	7570	6655	6995	7032	6615	7545	7077
Beira †	6910	8360	7440	7780	7722	7335	8330	7767
Belem	5775	5055	4350	4695	4569	4190	5245	4614
Buenos Aires (^)	7395	6275	6520	6860	6753	6395	7410	6798
Cape Horn	8900	8380	7600	7945	7852	7444	8496	7897
Cape Town	7730	7105	6345	6690	6583	6220	7240	6628
Conakry	4511	4011	3184	3526	3435	3024	4075	3480
Dakar	4065	3685	2770	3110	3002	2600	3660	3047
Dar es Salaam †	8019	7469	6550	6892	6832	6425	7341	6877
Diego Suarez †	8118	7568	6649	6991	6931	6525	7540	6976
Douala	6045	5663	4748	5090	4970	4588	5639	5025
Durban C	8520	7900	7125	7465	7365	7060	8015	7410
East London C	8270	7645	6870	7210	7109	6775	7760	7154
Lagos	5680	5180	4370	4710	4591	4310	5260	4636
Las Palmas	3255	2850	1920	2265	2166	1754	2810	2210
Lobito	6555	6185	5255	5600	5530	5095	6150	5575
Luanda	6415	6033	5118	5460	5397	4958	6009	5442
Madeira	2975	2575	1700	2045	1950	1529	2595	1995
Maputo C	8815	8200	7597	7760	7659	7360	8310	7704
Mauritius †	8613	8063	7144	7486	7426	7025	8005	7471
Mogadiscio †	7395	6845	5925	6270	6125	5760	6815	6219
Mombasa †	7925	7375	6460	6800	6740	6325	7350	6785
Monrovia	4765	4384	3468	3810	3684	3295	4359	3729
Montevideo	7730	7231	6405	6750	6656	6275	7295	6701
Mozambique I †	8402	7852	6933	7275	7215	6835	7724	7260
Port Elizabeth C	8150	7525	6750	7090	6987	6640	7640	7032
Port Harcourt	5915	5533	4618	4960	4834	4415	5509	4879
Porto Alegre	7352	7042	6305	6650	6513	6115	7199	6558
Recife	5605	5075	4345	4690	4585	4180	5240	4630
Réunion Island †	8635	8085	7166	7508	7448	7006	8057	7493
Rio de Janeiro	6695	6165	5420	5760	5657	5256	6310	5702
Salvador	5782	5472	4735	5080	4966	4565	5629	5011
Santos	6875	6345	5606	5950	5844	5440	6495	5889
Sao Vicente Island	4025	3640	2740	3085	2980	2574	3630	2984
Takoradi	5380	4630	4000	4345	4281	3915	4890	4326
Tema	6330	6000	4185	4525	4377	4015	5075	4422
Tramandai	7202	6892	6155	6500	6363	5965	7049	6408
Vitoria (Brazil)	6242	5932	5195	5540	5388	5015	6089	5433
Walvis Bay	6985	6410	5630	5970	5965	5595	6520	6010

^Special section on page 214 devoted to distances within the Plate and Parana rivers.

AREA D	Southampton	Stockholm (via Kiel Canal)	Sunderland	Szczecin (via Kiel Canal)	Teesport	Trondheim	Vaasa (via Kiel Canal)	Vlissingen
Azores (Pt Delgada)	1290	2320K	1656	2040	1646	2067	2507	1470
Bahia Blanca	6395	7270K	6760	6990	6750	7274	7610	6480
Beira †	7110	8055K	7475	7775	7465	8032	8325	7230
Belem	3970	4965K	4335	4685	4325	4720	5185	4140
Buenos Aires (^)	6175	7135K	6540	6855	6530	6992	7390	6355
Cape Horn	7223	8214K	7588	7938	7585	8096	8416	7383
Cape Town	5995	6960K	6360	6680	6350	6895	7160	6135
Conakry	2795	3799K	3161	3518	3141	3741	3996	2973
Dakar	2375	3385K	2740	3100	2730	3291	3580	2555
Dar es Salaam †	6200	7165K	6565	6884	6555	7142	7415	6339
Diego Suarez †	6300	7264K	6665	6983	6655	7241	7515	6438
Douala	4359	5365K	4725	5082	4700	5280	5560	4537
Durban C	6835	7740K	7200	7455	7190	7662	7935	6915
East London C	6550	7485K	6915	7200	6905	7409	7680	6660
Lagos	4085	4985K	4450	4700	4440	4898	5180	4155
Las Palmas	1525	2535K	1890	2255	1881	2456	2742	1705
Lobito	4870	5870K	5245	5590	5220	5838	6070	5045
Luanda	4729	5733K	5095	5452	5075	5705	5930	4895
Madeira	1300	2315K	1665	2035	1656	2218	2517	1480
Maputo C	7135	8035K	7500	7750	7490	7958	8230	7210
Mauritius †	6800	7759K	7165	7478	7155	7736	8015	6933
Mogadiscio †	5540	6540K	5905	6260	5885	6466	6740	5715
Mombasa †	6100	7075K	6465	6790	6455	7050	7315	6245
Monrovia	3070	4083K	3435	3802	3425	3990	4280	3257
Montevideo	6055	7020	6420	6740	6140	6895	7270	6195
Mozambique I †	6610	7548K	6975	7267	6965	7525	7825	6722
Port Elizabeth C	6415	7360K	6780	7080	6770	7288	7560	6540
Port Harcourt	4190	5233K	4555	4952	4545	5142	5430	4407
Porto Alegre	5895	6923K	6260	6642	6250	6756	7110	6097
Recife	3960	4960K	4325	4680	4315	4827	5175	4135
Réunion Island †	6777	7781K	7143	7500	7123	7758	7978	6955
Rio de Janeiro	5045	6035K	5410	5750	5400	5894	6260	5205
Salvador	4345	5353K	4710	5072	4700	5208	5560	4527
Santos	5220	6220K	5585	5940	5575	6085	6435	5395
Sao Vicente Island	2340	3385K	2710	2805	2701	3224	3562	2525
Takoradi	3690	4615K	4055	4335	4045	4588	4815	3790
Tema	3790	4800K	4155	4515	4145	4684	4995	3970
Tramandai	5745	6773K	6110	6492	6100	6606	6960	5947
Vitoria (Brazil)	4795	5813K	5160	5532	5150	5625	6010	4987
Walvis Bay	5370	6245K	5735	5960	5725	6273	6440	5415

All distances on this page via the Suez Canal.

AREA E	AREA A							
	Aberdeen	Amsterdam	Antwerp	Archangel	Avonmouth	Belfast	Bergen	Bilbao
Abadan	6892	6642	6627	8502	6432	6567	7072	6145
Aden	4955	4705	4690	6565	4495	4630	5135	4205
Aqaba	3955	3705	3690	5565	3495	3630	4135	3205
Bahrain	6687	6437	6422	8297	6227	6362	6867	5935
Bandar Abbas	6408	6158	6143	8018	5948	6083	6588	5658
Basrah	6945	6695	6670	8550	6480	6615	7125	6190
Bassein	8240	8000	7975	9816	7746	7881	8386	7456
Bhavnagar	6692	6442	6427	8302	6232	6367	6972	5942
Bushehr	4747	6475	6480	8352	6282	6407	6927	5992
Chennai	7600	7400	7365	9220	7155	7285	7795	6860
Chittagong	8395	8065	8030	9917	7947	7982	8487	7557
Cochin	7805	6555	6540	8415	6345	6480	6985	6055
Colombo	7055	6825	6790	8660	6590	6725	7235	6300
Djibouti	4953	4705	4690	6565	4493	4628	5133	4203
Dubai	6486	6236	6221	8096	6026	6161	6666	5736
Fujairah	6320	6070	6055	7930	5860	5995	6500	5570
Jeddah	4300	4020	4005	5885	3815	3950	4655	3525
Karachi	6430	6200	6265	8035	5965	6100	6605	5675
Kolkata	8305	8075	8000	9870	7800	7935	8440	7510
Kuwait	6872	6622	6607	8582	6412	6547	7152	6122
Malacca	8459	8209	8194	10065	7999	8134	8639	7709
Mangalore	6700	6450	6435	8310	6240	6375	6880	5950
Massawa	4547	4315	4280	6165	4095	4230	4730	3805
Mina al Ahmadi	6852	6602	6587	8462	6392	6527	7032	6102
Mongla	8265	8035	8000	9883	7813	7948	8453	7523
Mormugao	6655	6425	6390	8275	6205	6340	6845	5915
Moulmein	8325	8085	8060	9919	7849	7984	9489	7559
Mumbai	6625	6395	6360	8220	6155	6270	6780	5815
Musay'td	6657	6407	6392	8267	6197	6332	6837	5907
Penang	8330	8020	8065	9900	7835	7965	8475	7540
Port Blair	7921	7671	7675	9531	7461	7596	8101	7171
Port Kelang	8370	8120	8095	9995	7910	8045	8550	7620
Port Okha	6453	6203	6188	8063	5993	6128	6633	5703
Port Sudan	4350	4100	4090	5950	3885	4020	4525	3595
Quseir	3905	3655	3640	5515	3445	3580	4085	3155
Rangoon	8315	8085	8050	9870	7800	7935	8440	7510
Singapore	8620	8340	8355	1195	8125	8260	8765	7835
Sittwe	8245	8005	8030	9850	7780	7915	8420	7490
Suez	3647	3414	3380	5255	3190	3320	3825	2895
Trincomalee	7335	7085	7070	8945	6875	7010	7515	6585
Veraval	6512	6262	6241	8122	6052	6187	6692	5762
Vishakhapatnam	7880	7600	7605	9479	7409	7544	8065	7125

All distances on this page via the Suez Canal.

AREA E	AREA A							
	Bordeaux	Bremen	Brest	Cherbourg	Copenhagen (via Kiel Canal)	Cork	Dublin	Dunkirk
Abadan	6287	6890	6247	6424	7097	6400	6477	6530
Aden	4350	4945	4310	4487	5160	4465	4540	4590
Aqaba	3350	3945	3310	3487	4160	3465	3540	3590
Bahrain	6082	6677	6042	6219	6892	6197	6272	6322
Bandar Abbas	5803	6398	5763	5940	6613	5918	5993	6043
Basrah	6335	6930	6295	6454	7145	6455	6525	6580
Bassein	7601	8220	7161	7738	8411	7690	7791	7875
Bhavnagar	6087	6682	6047	6224	6897	6202	6277	6327
Bushehr	6142	6737	6102	6279	6952	6255	6332	6380
Chennai	7005	7610	6970	7137	7815	7080	7200	7265
Chittagong	7702	8275	7662	7839	8512	7845	7892	7930
Cochin	6200	6795	6160	6337	7010	6315	6390	6440
Colombo	6445	7035	6405	6581	7255	6505	6640	6690
Djibouti	4348	4943	4308	4485	5158	4463	4538	4588
Dubai	5881	6476	5841	6018	6691	5996	6071	6121
Fujairah	5715	6310	5675	5852	6525	5830	5905	5955
Jeddah	3670	4300	3630	3807	4480	3770	3860	3955
Karachi	5820	6410	5780	5957	6630	5880	6015	6065
Kolkata	7650	8285	7615	7791	8465	7755	7845	7889
Kuwait	6267	6862	6227	6404	7077	6382	6457	6507
Malacca	7854	8449	7814	7991	8664	7969	8044	8094
Mangalore	6095	6690	6055	6232	6905	6210	6285	6335
Massawa	3950	4545	3910	4087	4760	4065	4140	4190
Mina al Ahmadi	6247	6842	6207	6384	7057	6362	6437	6487
Mongla	7668	8245	7628	7805	8478	7810	7888	7900
Mormugao	6060	6635	6020	6174	6840	6165	6250	6290
Moulmein	7704	8305	7664	7841	8514	7775	7894	7960
Mumbai	6005	6605	5970	6144	6815	6075	6200	6260
Musay'td	6052	6647	6012	6189	6860	6167	6242	6292
Penang	7685	8310	7650	7823	8495	7780	7880	7965
Port Blair	7316	7911	7276	7453	8126	7431	7506	7556
Port Kelang	7765	8360	7725	7917	8575	7885	7955	7900
Port Okha	5848	6443	5808	5985	6658	5963	6038	6088
Port Sudan	3740	4375	3700	3877	4550	3850	3930	4025
Quseir	3300	3890	3260	3437	4110	3415	3490	3440
Rangoon	7655	8295	7615	7796	8465	7765	7845	7950
Singapore	7980	8600	7940	8114	8790	8100	8170	8255
Sittwe	7635	8235	7595	7772	8445	7745	7825	7880
Suez	3045	3625	3005	3187	3850	3165	3235	3290
Trincomalee	6730	7325	6690	6867	7540	6845	6920	6970
Veraval	5907	6502	5867	6044	6717	6022	6097	6147
Vishakhapatnam	7264	7965	7225	7401	8080	7379	7454	7505

All distances on this page via the Suez Canal.

AREA E	AREA A							
	Emden	Esbjerg	Felixstowe	Finisterre	Gdansk (via Kiel Canal)	Gibraltar	Gijon	Glasgow
Abadan	6767	7013	6544	5831	7238	5240	5988	6647
Aden	4830	5076	4607	3894	5295	3310	4051	4705
Aqaba	3830	4076	3607	2894	4295	2310	3051	3705
Bahrain	6582	6808	6339	5626	7027	5042	5783	6442
Bandar Abbas	6283	6529	6060	5347	6748	4763	5504	6163
Basrah	6800	7043	6592	5861	7285	5285	6018	6700
Bassein	8081	8327	7858	7145	8546	6570	7302	7970
Bhavnagar	6567	6813	6344	5631	7032	5047	5788	6447
Bushehr	6622	6868	6399	5686	7087	5102	5843	6502
Chennai	7480	7726	7262	6544	7945	5980	6701	7380
Chittagong	8182	8428	7959	7246	8647	6662	7403	8065
Cochin	6680	6926	6457	5744	7145	5160	5901	6560
Colombo	6930	7170	6702	5988	7395	5404	6145	6805
Djibouti	4828	5074	4605	3892	5293	3308	4049	4703
Dubai	6361	6607	6138	5425	6826	4841	5582	6241
Fujairah	6195	6441	5972	5259	6660	4675	5416	6075
Jeddah	4150	4396	3927	3214	4615	2635	3371	4030
Karachi	6305	6546	6077	5364	6770	4785	5521	6180
Kolkata	8135	6380	7912	7198	8600	6609	7355	8000
Kuwait	6747	6993	6524	5811	7212	5227	5968	6627
Malacca	8334	8580	8111	7398	8799	6814	7555	8214
Mangalore	6575	6821	6352	5639	7040	5055	5796	6455
Massawa	4430	4676	4207	3494	4895	2900	3651	4305
Mina al Ahmadi	6727	6974	6504	5791	6192	5207	5948	6607
Mongla	8148	8394	7925	7212	8613	6628	7369	8025
Mormugao	6520	6753	6317	5581	6982	4997	5738	6405
Moulmein	8184	8430	7961	7248	8649	6680	7401	8075
Mumbai	6490	6733	6262	5551	6955	4980	5708	6375
Musay'td	6532	6778	6309	5596	6997	5012	5751	6412
Penang	8170	8412	7942	7230	8635	6646	7387	8040
Port Blair	7796	8042	7573	6860	8261	6276	7017	7676
Port Kelang	8245	8506	8022	7324	8720	6750	7480	8135
Port Okha	6328	6574	6105	5392	6793	4808	5549	6208
Port Sudan	4220	4466	3997	3284	4685	2710	3440	4105
Quseir	3780	4026	3557	2844	4245	2260	3001	3660
Rangoon	8135	8385	7912	7203	8600	6609	7360	8005
Singapore	8460	8703	8237	7521	8925	6935	7678	8330
Sittwe	8115	8361	7892	7179	8580	6600	7336	8000
Suez	3525	3776	3297	2594	3990	2009	2751	3399
Trincomalee	7210	7456	6987	6274	7675	5690	6431	7090
Veraval	6383	6633	6164	5451	6852	4866	5608	6267
Vishakhapatnam	7744	7980	7521	6708	8209	6224	5696	7620

All distances on this page via the Suez Canal.

AREA E	AREA A							
	Gothenburg	Hamburg	Härrönsand (via Kiel Canal)	Helsinki (via Kiel Canal)	Hull	Kiel (via Canal)	Klaipeda (via Kiel Canal)	Land's End
Abadan	7052	6900	7557	7522	6700	6897	7297	6241
Aden	5115	4952	5620	5585	4760	4960	5360	4304
Aqaba	4115	3950	4620	4585	3760	3960	4360	3304
Bahrain	6847	6682	7352	7317	6492	6692	7092	6036
Bandar Abbas	6568	6403	7073	6038	6213	6413	6813	5757
Basrah	7085	6930	7605	7570	6750	6945	7327	6371
Bassein	8366	8205	8871	8836	8005	8200	8611	7555
Bhavnagar	6852	6687	7357	7322	6497	6697	7097	6041
Bushehr	6907	6742	7412	7377	6550	6752	7152	6096
Chennai	7775	7600	8275	8245	7425	7615	8010	6964
Chittagong	8467	8300	8972	8937	8109	8315	8712	7656
Cochin	6965	6800	7470	7435	6610	6810	7210	6154
Colombo	7215	7050	7715	7680	6850	7075	7454	6398
Djibouti	5113	4950	5618	5583	4758	4958	5358	4302
Dubai	6646	6481	7151	6116	6291	6491	6891	5835
Fujairah	6480	6315	6985	5950	6125	6325	6725	5669
Jeddah	4335	4300	4940	4905	4080	4300	4680	3624
Karachi	6590	6425	7090	7055	6225	6450	6830	5774
Kolkata	8420	8300	8925	8890	8100	8325	8664	7608
Kuwait	7032	6867	7537	7402	6677	6877	7277	6221
Malacca	8619	8454	9124	9089	8264	8464	8864	7804
Mangalore	6860	6694	7365	7330	6505	6705	7105	6049
Massawa	4715	4540	5220	5185	4340	4565	4960	3904
Mina al Ahmadi	7012	6847	7517	7482	6657	6857	7257	6201
Mongla	8433	8268	8938	8903	8080	8285	8678	7622
Mormugao	6825	6650	7330	7295	6450	6675	7047	5991
Moulmein	8469	8300	8974	8939	8120	8305	8714	7658
Mumbai	6775	6620	7275	7245	6420	6645	7107	5961
Musay'td	6817	6652	7322	7287	6462	6662	7062	6006
Penang	8455	8325	8955	8925	8125	8300	8696	7640
Port Blair	8081	7916	8586	8551	7726	7926	8326	7270
Port Kelang	8530	8360	9030	9000	8180	8370	8790	7734
Port Okha	6613	6448	7118	7083	6258	6458	6858	5802
Port Sudan	4505	4350	5005	4975	4150	4375	4750	3694
Quseir	4065	3900	4570	4535	3710	3910	4310	3254
Rangoon	8420	8310	8925	8890	8110	8335	8669	7613
Singapore	8745	8615	9250	9215	8415	8645	8987	7931
Sittwe	8400	8240	8905	8870	8040	8245	8643	7589
Suez	3810	3640	4310	4280	3440	3665	4060	3004
Trincomalee	7495	7330	8000	7965	7140	7240	7740	6684
Veraval	6672	6407	7177	7142	6317	6517	6917	5861
Vishakhapatnam	8030	7864	8530	8500	7674	7880	8274	7218

All distances on this page via the Suez Canal.

AREA A	AREA E							
	Le Havre	Leith	Leixoes	Lisbon	Liverpool	London	Lulea (via Kiel Canal)	Milford Haven
Abadan	6425	6870	5727	5555	6520	6550	7772	6359
Aden	4495	4938	3792	3615	4608	4639	5835	4422
Aqaba	3495	3938	2792	2615	3608	3639	4835	3422
Bahrain	6222	6670	5524	5350	6340	6371	7567	6154
Bandar Abbas	5943	6391	5245	5071	6061	6092	7286	5875
Basrah	6470	6925	5759	5605	6569	6625	7820	6389
Bassein	7750	8215	7043	6900	7870	7900	9086	7673
Bhavnagar	6227	6675	5529	5355	6345	6376	7572	6159
Bushehr	6282	6730	5584	5385	6385	6431	7627	6212
Chennai	7170	7605	6442	6290	7260	7290	8490	7072
Chittagong	7835	8290	7144	6955	7965	8000	9187	7774
Cochin	6340	6788	5642	5468	6458	6489	7685	6272
Colombo	6595	7030	5886	5715	6685	6715	7930	6516
Djibouti	4493	4928	3790	3615	4605	4635	5833	4420
Dubai	6021	6469	5323	5149	6139	6170	7364	5953
Fujairah	5855	6303	5157	4983	5973	6004	7198	5787
Jeddah	3805	4255	3112	2935	3950	3960	5155	3742
Karachi	5970	6405	5262	5090	6060	6090	7305	5892
Kolkata	7845	8280	7096	6925	7905	7955	9140	7726
Kuwait	6407	6855	5709	5535	6525	6556	7752	6339
Malacca	7194	8442	7296	7122	8112	8143	9339	7926
Mangalore	6235	6683	5537	5363	6353	6384	7580	6267
Massawa	4080	4538	3392	3218	4205	4235	5435	4022
Mina al Ahmadi	6387	6835	5689	5515	6505	6536	7732	6319
Mongla	7805	8240	7010	6925	7925	7955	9154	7740
Mormugao	6195	6630	5479	5315	6285	6315	7540	6019
Moulmein	7845	8300	7146	6985	7955	7985	9189	7776
Mumbai	6165	6600	5449	5285	6255	6296	7490	6079
Musay'td	6192	6640	5494	5320	6310	6341	7537	6124
Penang	7870	8305	7128	6990	7960	7990	9170	7758
Port Blair	7456	7904	6758	6684	7574	7605	8801	7388
Part Kelang	7900	8368	7222	7048	8038	8069	9265	7852
Port Okha	5988	6436	5290	5116	6106	6137	7333	5920
Port Sudan	3890	4330	3182	3020	3985	4015	5220	3812
Quseir	3440	3888	2742	2568	3558	3589	4785	3372
Rangoon	7855	8240	7101	6975	7945	7975	9140	7731
Singapore	8160	8595	7419	7240	8250	8280	9465	8049
Sittwe	7775	8270	7077	6905	7925	7955	9120	7707
Suez	3180	3638	2492	2318	3275	3335	4525	3122
Trincomalee	6870	7318	6172	5998	6988	7019	8215	6802
Veraval	6047	6495	5349	5175	6165	6196	7392	5979
Vishakhapatnam	7405	7860	6706	6532	7522	7553	8750	7336

All distances on this page via the Suez Canal.

AREA A	AREA E							
	Murmansk	Narvik	Newcastle	Oslo	Rosstock (via Kiel Canal)	Rotterdam	St Petersburg (via Kiel Canal)	Skaw
Abadan	8252	7702	6782	7127	6982	6620	7674	7076
Aden	6315	5765	4845	5190	5045	4680	5735	5139
Aqaba	5315	4765	3845	4190	4045	3680	4735	4140
Bahrain	8047	7497	6577	6922	6777	6412	7469	6871
Bandar Abbas	7768	7218	6298	6643	6498	6133	7190	6592
Basrah	8300	7730	6809	7170	7012	6649	7725	7106
Bassein	9566	9016	8096	8441	8296	7930	8988	8390
Bhavnagar	8052	7502	6582	6927	6782	6417	7574	6876
Bushehr	8107	7557	6637	6982	6837	6480	7529	6931
Chennai	8970	8420	7505	7845	7695	7360	8395	7789
Chittagong	9667	9117	8197	8542	8397	8035	9089	8491
Cochin	8165	7615	6695	7040	6895	6530	7587	6989
Colombo	8410	7860	6940	7285	7139	6785	7835	7233
Djibouti	6313	5763	4843	5188	5043	4680	5733	5137
Dubai	7846	7296	6376	6721	6576	6211	7268	6670
Fujairah	7680	7130	6210	6555	6410	6045	7102	6504
Jeddah	5635	5085	4165	4510	4365	4000	5057	4359
Karachi	7785	7235	6320	6660	6515	6160	7210	6609
Kolkata	9620	9070	8150	8495	8349	8000	9040	8443
Kuwait	8232	7682	6762	7107	6962	6597	7654	7056
Malacca	9819	9269	8349	8694	8549	8184	9241	8643
Mangalore	8060	7510	6590	6935	6790	6425	7482	6884
Massawa	5915	5365	4445	4790	4645	4275	5337	4739
Mina al Ahmadi	8212	7662	6742	7087	6942	6577	7634	7036
Mongla	9634	9084	8164	8509	8363	8005	9055	8457
Mormugao	8000	7445	6530	6870	6732	6385	7445	6826
Moulmein	9669	9119	8200	8544	8399	8035	9091	8493
Mumbai	7970	7420	6505	6845	6702	6337	7395	6696
Musay'td	8017	7467	6545	6892	6747	6382	7439	6841
Penang	9650	9100	8185	8525	8381	8009	9075	8475
Port Blair	9281	8731	7811	8156	8011	7946	8703	8105
Port Kelang	9739	9189	8269	8620	8475	8100	9167	8569
Port Okha	7813	7263	6340	6688	6543	6178	7235	6637
Port Sudan	5705	5155	4235	4575	4435	4080	5125	4529
Quseir	5265	4715	3795	4135	3995	3630	4687	4089
Rangoon	9620	9070	8150	8495	8354	8000	9040	8448
Singapore	9945	9395	8475	8820	8672	8308	9364	8766
Sittwe	9600	9050	8130	8475	8330	8000	9022	8424
Suez	5005	4455	3540	3880	3745	3375	4430	3839
Trincomalee	8695	8145	7225	7570	7425	7060	8117	7519
Veraval	7872	7322	6402	6747	6602	6237	7294	6696
Vishakhapatnam	9230	8700	7759	8100	7960	7600	8651	8053

All distances on this page via the Suez Canal.

AREA E	Southampton	Stockholm (via Kiel Canal)	Sunderland	Szczecin (via Kiel Canal)	Teesport	Trondheim	Vaasa (via Kiel Canal)	Viissingen
Abadan	6400	7395	6765	7117	6755	7323	7597	6572
Aden	4460	5460	4825	5180	4805	5386	5660	4635
Aqaba	3460	4460	3825	4180	3805	4385	4660	3635
Bahrain	6192	7190	6557	6912	6537	7118	7392	6367
Bandar Abbas	5913	6915	6278	6633	6258	6839	7113	6088
Basrah	6405	7440	6800	7165	6772	7353	7627	6600
Bassein	7705	8711	8076	8431	8060	8637	8910	7886
Bhavnagar	6197	7200	6562	6915	6542	7123	7397	6372
Bushehr	6260	7250	6609	6972	6597	7178	7452	6427
Chennai	7105	8120	7500	7835	7455	8036	8310	7290
Chittagong	7809	8810	8165	8532	8155	8738	9012	7987
Cochin	6310	7310	6675	7030	6655	7236	7510	6485
Colombo	6560	7555	6925	7275	6910	7480	7754	6730
Djibouti	4458	5458	4823	5178	4805	5384	5658	4633
Dubai	5991	6993	6356	6711	6336	6917	7191	6166
Fujairah	5825	6827	6190	6545	6170	6571	7025	6000
Jeddah	3780	4780	4155	4500	4125	4706	4980	3955
Karachi	5935	6930	6300	6650	6290	6856	7130	6105
Kolkata	7764	8765	8130	8485	8110	8690	8964	7940
Kuwait	6377	7377	6742	7097	6722	7303	7577	6552
Malacca	7964	8964	8330	8684	8309	8890	9164	8139
Mangalore	6205	7205	6575	6925	6550	7131	7405	6480
Massawa	4065	5060	4420	4780	4405	4986	5260	4235
Mina al Ahmadi	6357	7357	6722	7077	6702	7283	7557	6532
Mongla	7778	8780	8143	8498	8124	8704	8978	7953
Mormugao	6150	7145	6520	6869	6500	7073	7347	6340
Moulmein	7820	8814	8185	8534	8155	8740	9014	7989
Mumbai	6130	7120	6485	6840	6480	7043	7315	6290
Musay'ud	6162	7162	6527	6882	6507	7088	7362	6335
Penang	7805	8800	8200	8515	8140	8722	8996	7970
Port Blair	7425	8426	7791	8145	7771	8352	8626	7601
Port Kelang	7890	8490	8255	8510	8235	8816	9090	8060
Port Okha	5958	6958	6323	6678	6303	6884	7158	6133
Port Sudan	3855	4850	4220	4570	4200	4776	5050	4025
Quseir	3410	4410	3775	4130	3755	4336	4610	3585
Rangoon	7769	8765	8135	8485	8109	8695	8969	7940
Singapore	8085	9090	8450	8810	8430	9003	9287	8265
Sittwe	7750	8745	8105	8465	8100	8671	8945	7920
Suez	3165	4155	3520	3880	3500	4086	4360	3335
Trincomalee	6840	7840	7205	7560	7185	7766	8040	7015
Veraval	6017	7017	6382	6737	6362	6943	7217	6192
Vishakhapatnam	7380	8385	7735	8100	7719	8300	8574	7549

All distances on this page via the Suez Canal.

AREA F	Aberdeen	Amsterdam	Antwerp	Archangel	Avonmouth	Belfast	Bergen	Bilbao
Balikpapan	9615	9365	9340	11220	9155	9285	9795	8860
Bangkok	9430	9200	9165	11035	8970	9290	9800	8865
Basuo (Hainan Is)	9920	9640	9655	11495	9425	9560	10065	9135
Busan	11123	10843	10858	12698	10628	10763	11268	10338
Cam Pha	10070	9840	9805	11655	9585	9720	10225	9295
Cebu	10020	9790	9755	11550	9480	9615	10120	9190
Dalian	11200	10950	10925	12805	10740	10870	11380	10445
Haiphong	9970	9740	9705	11555	9485	9620	10125	9195
Ho Chi Minh City	9245	9015	8980	10840	8775	8910	9415	8485
Hong Kong	10055	9825	9790	11645	9580	9715	10220	9290
Hungnam	11415	11185	11150	12950	10885	11020	11525	10595
Inchon	11180	10900	10915	12750	10680	10815	11320	10390
Kampong Saom	9130	8900	8865	10735	8670	8990	9500	8565
Kaohsiung (Taiwan)	10245	9965	9977	11820	9750	9886	10390	9460
Keelung (Taiwan)	10395	10140	10120	12000	9930	10065	10570	9640
Kobe	11250	11120	11085	12855	10790	10925	11430	10500
Makassar	9610	9380	9345	11220	9155	9285	9795	8860
Manado	10110	9830	9845	11685	9615	9750	10255	9325
Manila	10005	9775	9740	11525	9455	9590	10095	9165
Masinloc	9990	9710	9725	11565	9495	9630	10135	9205
Moji	11133	10945	10910	12745	10675	10810	11315	10385
Muroran	11858	11578	11593	13433	11363	11498	12003	11073
Nagasaki	11065	10835	10800	12610	10540	10675	11180	10250
Nagoya	11440	11190	11165	13045	10980	11115	11620	10690
Nampo	11241	10961	10976	12817	10746	10881	11386	10456
Osaka	11260	11005	10985	12865	10795	10930	11435	10505
Otaru	11896	11616	11631	13471	11401	11536	12041	11111
Palembang	8920	8640	8655	10495	8425	8560	9065	8135
Qingdao	11055	10805	10780	12660	10590	10725	11230	10300
Qinhuangdao	11325	11075	11049	12932	10865	11000	11505	10574
Sabang	8020	7740	7755	9595	7525	7660	8165	7235
Shanghai	10860	10630	10595	12405	10335	10470	10975	10045
Shimonoseki	11147	10867	10882	12722	10652	10787	11292	10362
Singapore	8620	8340	8355	10195	8125	8260	8765	7835
Surabaya	9235	9000	8960	10833	8766	8900	9406	8475
Tanjung Priok	8855	8625	8590	10460	8395	8525	9035	8100
Tokyo	11593	11363	11328	13103	11038	11173	11678	10748
Toyama	11585	11395	11360	13195	11125	11260	11765	10835
Vladivostok	11660	11430	11395	13195	11130	11265	11770	10840
Yokohama	11575	11345	11310	13085	11020	11155	11660	10730

Malaysia, Indonesia, South East Asia, China Sea and Japan

All distances on this page via the Suez Canal.

AREA F	AREA A							
	Bordeaux	Bremen	Brest	Cherbourg	Copenhagen (via Kiel Canal)	Cork	Dublin	Dunkirk
Balikpapan	9010	9600	8970	9112	9815	9125	9200	9250
Bangkok	9015	9610	8975	9117	9820	9080	9200	9265
Basuo (Hainan Is)	9280	9900	9240	9414	10090	9400	9470	9555
Busan	10483	11103	10440	10617	11293	10603	10673	10758
Cam Pha	9440	10050	9400	9545	10250	9520	9630	9705
Cebu	9335	10000	9295	9440	10145	9470	9525	9655
Dalian	10595	11185	10555	10597	11400	10710	10785	10835
Haiphong	9340	9950	9300	9445	10150	9420	9530	9605
Ho Chi Minh City	8630	9225	8590	8734	9440	8695	8820	8880
Hong Kong	9435	10035	9395	9539	10245	9505	9625	9690
Hungnam	10740	11395	10700	10844	11550	10860	10930	10980
Inchon	10535	11160	10495	10669	11345	10650	10725	10815
Kampong Saom	8715	9310	8675	8817	9520	8780	8900	8965
Kaohsiung (Taiwan)	9605	10225	9565	9739	10415	9725	9895	9880
Keelung (Taiwan)	9785	10380	9745	9890	10595	9905	9975	10030
Kobe	10645	11230	10605	10748	11455	10800	10835	10885
Makassar	9010	9590	8970	9112	9815	9060	9200	9245
Manado	9470	10090	9430	9604	10280	9590	9660	9745
Manila	9310	9905	9270	9415	10120	9455	9500	9580
Masinloc	9350	9970	9310	9484	10160	9470	9540	9625
Moji	10530	11155	10490	10636	11340	10625	10725	10810
Muroran	11218	11838	11178	11352	12028	11338	11403	11493
Nagasaki	10395	10945	10355	10500	11205	10515	10585	10700
Nagoya	10835	11430	10795	10939	11645	10955	11025	11075
Nampo	10601	11221	10561	10735	11411	10721	10791	10876
Osaka	10650	11245	10610	10756	11460	10770	10845	10895
Otaru	11276	11875	11215	11390	12066	11376	11445	11531
Palembang	8280	8900	8240	8414	9090	8400	8470	8555
Qingdao	10445	11040	10405	10451	11255	10565	10640	10690
Qinhuangdao	10720	11305	10680	10824	11529	10835	10911	10960
Sabang	7380	8000	7340	7514	8190	7500	7570	7655
Shanghai	10190	10840	10150	10295	11000	10310	10380	10435
Shimonoseki	10507	11127	10467	10641	11317	10627	10697	10782
Singapore	7980	8600	7940	8114	8790	8100	8170	8255
Surabaya	8621	9205	8581	8725	9430	8735	8812	8863
Tanjung Priok	8250	8835	8210	8352	9055	8305	8440	8490
Tokyo	10893	11573	10853	10997	11703	11043	11083	11133
Toyama	10980	11605	10940	11086	11790	11075	11175	11260
Vladivostok	10985	11640	10945	11089	11795	11110	11175	11225
Yokohama	10875	11555	10835	10979	11685	11025	11065	11115

All distances on this page via the Suez Canal.

AREA F	AREA A							
	Emden	Esbjerg	Felixstowe	Finisterre	Gdansk (via Kiel Canal)	Gibraltar	Gijon	Glasgow
Balikpapan	9490	9589	9262	8532	9955	7995	8689	9375
Bangkok	9495	9379	9267	8308	9960	7785	8465	9180
Basuo (Hainan Is)	9760	9869	9537	8739	10225	8275	8996	9670
Busan	10963	11074	10742	9980	11428	9480	10137	10873
Cam Pha	9920	10019	9697	8899	10385	8425	9056	9820
Cebu	9815	9969	9592	8832	10280	8375	8989	9770
Dalian	11075	11174	10847	10096	11540	9580	10253	10960
Haiphong	9820	9919	9597	8799	10285	8325	8956	9720
Ho Chi Minh City	9110	9190	8887	8123	9575	7600	8280	8995
Hong Kong	9915	10004	9692	8937	10380	8410	9094	9805
Hungnam	11220	11364	10997	10237	11685	9770	10394	11165
Inchon	11015	11129	10792	10029	11480	9535	10186	10930
Kampong Saom	9195	9079	8967	8008	9660	7485	8165	8880
Kaohsiung (Taiwan)	10085	10194	9862	9098	10550	8600	9255	9995
Keelung (Taiwan)	10265	10369	10042	9289	10730	8775	9446	10155
Kobe	11125	11300	10897	10168	11590	9705	10325	11100
Makassar	9490	9560	9262	8579	9955	7965	8736	9360
Manado	9950	10059	9727	8970	10415	8465	9127	9860
Manila	9790	9955	9567	8818	10255	8360	8975	9755
Masinloc	9830	9995	9607	8858	10295	8400	9005	9799
Moji	11015	11124	10787	10017	11480	9530	10174	10925
Muroran	11698	11807	11477	10715	12163	10213	10872	11608
Nagasaki	10875	11015	10652	9894	11340	9420	10051	10815
Nagoya	11315	11414	11092	10267	11780	9820	10424	11205
Nampo	11080	11191	10858	10106	11546	9597	10263	10990
Osaka	11135	11235	10907	10172	11600	9640	10329	11020
Otaru	11736	11846	11512	10753	12200	10251	10910	11646
Palembang	8760	8869	8537	7739	9225	7275	7896	8670
Qingdao	10930	11029	10702	9940	11395	9435	10097	10815
Qinhuangdao	11201	11303	10975	10202	11666	9709	10359	11088
Sabang	7860	7969	7637	6885	8325	6375	7042	7770
Shanghai	10670	10809	10447	9669	11135	9215	9826	10610
Shimonoseki	10987	11096	10764	10016	11452	9502	10173	10897
Singapore	8460	8569	8237	7477	8925	6975	7634	8370
Surabaya	9202	9202	8876	8117	9567	7608	8274	8989
Tanjung Priok	8730	8804	8502	7737	9195	7210	7894	8605
Tokyo	11373	11540	11150	10381	11838	9948	10538	11343
Toyama	11465	11574	11237	10457	11930	9980	10614	11375
Vladivostok	11465	11610	11242	10484	11930	10015	10641	11410
Yokohama	11355	11522	11132	10369	11820	9930	10526	11325

All distances on this page via the Suez Canal.

AREA F	AREA A							
	Gothenburg	Hamburg	Härnösand (via Kiel Canal)	Helsinki (via Kiel Canal)	Hull	Kiel (via Canal)	Klaipeda (via Kiel Canal)	Land's End
Balikpapan	9775	9600	10275	10245	9420	9615	10095	8995
Bangkok	9780	9425	10280	10250	9225	9620	9885	8785
Basuo (Hainan Is)	10045	9915	10550	10515	9715	9890	10375	9275
Busan	11248	11120	11753	11718	10918	11090	11580	10480
Cam Pha	10205	10065	10705	10675	9865	10050	10525	9425
Cebu	10100	10008	10605	10570	9815	9945	10475	9375
Dalian	11360	11185	11860	11830	11007	11200	11680	10580
Haiphong	10105	9965	10605	10575	9765	9950	10425	9325
Ho Chi Minh City	9395	9240	9895	9865	9040	9235	9700	8600
Hong Kong	10200	10050	10700	10670	9850	10040	10510	9410
Hungnam	11505	11410	12005	11975	11210	11350	11870	10770
Inchon	11300	11175	11805	11770	10975	11145	11635	10535
Kampong Saom	9480	9125	9980	9950	8925	9320	9585	8485
Kaohsiung (Taiwan)	10370	10240	10875	10840	10040	10215	10700	9600
Keelung (Taiwan)	10550	10380	11055	11020	10200	10395	10875	9775
Kobe	11410	11345	11910	11880	11415	11250	11805	10705
Makassar	9775	9605	10275	10245	9405	9615	10065	8965
Manado	10235	10105	10740	10705	9905	10080	10565	9465
Manila	10075	10000	10580	10545	9725	9920	10460	9360
Masinloc	10115	10040	10620	10585	9765	9960	10500	9400
Moji	11300	11170	11800	11765	10970	11140	11630	10530
Muroran	11983	11853	12488	12450	11653	11828	12313	11213
Nagasaki	11160	11060	11660	11630	10860	11005	11520	10420
Nagoya	11600	11430	12100	12070	11250	11440	11920	10820
Nampo	11366	11236	11871	11836	11035	11210	11697	10597
Osaka	11420	11245	11920	11885	11065	11230	11740	10640
Otaru	12021	11890	12526	12491	11690	11866	12351	11251
Palembang	9045	8915	9550	9515	8715	8890	9375	8275
Qingdao	11215	11040	11715	11680	10860	11055	11535	10435
Qinhuangdao	11486	11309	11987	11955	11130	11327	11809	10709
Sabang	8145	8015	8650	8615	7815	7990	8475	7375
Shanghai	10955	10855	11460	11425	10655	10800	11315	10215
Shimonoseki	11272	11142	11777	11742	10942	11117	11602	10502
Singapore	8745	8615	9250	9215	8415	8590	9075	7975
Surabaya	9387	9215	9888	9856	9035	9228	9708	8608
Tanjung Priok	9015	8850	9515	9485	8650	8855	9310	8210
Tokyo	11658	11588	12163	12128	11388	11498	12048	10948
Toyama	11750	11620	12250	12215	11420	11590	12080	10980
Vladivostok	11750	11655	12250	12220	11455	11595	12115	11015
Yokohama	11640	11570	12145	12110	11370	11480	12030	10930

All distances on this page via the Suez Canal.

AREA F	AREA A							
	Le Havre	Leith	Leixoes	Lisbon	Liverpool	London	Lulea (via Kiel Canal)	Milford Haven
Balikpapan	9140	9595	8449	8275	9265	9295	10490	9105
Bangkok	8970	9605	8454	8280	9260	9290	10495	9130
Basuo (Hainan Is)	9460	9895	8722	8550	9550	9580	10765	9385
Busan	10663	11098	9925	9753	10753	10783	11968	10590
Cam Pha	9610	10045	8882	8705	9700	9730	10925	9535
Cebu	9560	9995	8777	8605	9650	9680	10820	9485
Dalian	19725	11180	10034	9860	10850	10880	12075	10690
Haiphong	9510	9945	8782	8605	9600	9630	10825	9435
Ho Chi Minh City	8785	9220	8091	7895	8875	8905	10110	8710
Hong Kong	9595	10080	8876	8700	9685	9715	10915	9520
Hungnam	10955	11390	10181	10005	11045	11075	12210	10880
Inchon	10720	11145	9977	9805	10810	10840	12020	10645
Kampong Saom	8670	9305	8154	7980	8760	8990	10195	8595
Kaohsiung (Taiwan)	9785	10220	9047	8875	9875	9905	11090	9710
Keelung (Taiwan)	9920	10375	9217	9055	10045	10075	11270	9885
Kobe	10890	11325	10085	9910	10980	11010	12125	10815
Makassar	9150	9585	8449	8275	9240	9270	10490	9075
Manado	9650	10085	8912	8740	9740	9770	10955	9575
Manila	9545	9980	8752	8575	9635	9665	10795	9470
Masinloc	9585	10020	8792	8615	9675	9705	10835	9570
Moji	10715	11150	9973	9800	10805	10835	12015	10640
Muroran	11398	11833	10660	10488	11488	11518	12703	11323
Nagasaki	10605	11040	9837	9665	10695	10725	11880	10530
Nagoya	11970	11420	10276	10100	11090	11125	12315	10930
Nampo	10781	11216	10043	9871	10871	10901	12086	10707
Osaka	10785	11240	10093	9920	10910	10940	12135	10750
Otaru	11435	11871	10698	10526	11526	11556	12741	11361
Palembang	8460	8895	7722	7550	8550	8580	9765	8385
Qingdao	10580	11035	9888	9715	10705	10735	11930	10545
Qinhuangdao	10845	11309	10161	9987	10980	11005	12202	10819
Sabang	7560	7995	6822	6650	7650	7680	8865	7485
Shanghai	10400	10835	9632	9460	10490	10520	11670	10325
Shimonoseki	10687	11122	9952	9777	10777	10807	11992	10612
Singapore	8160	8595	7422	7250	8250	8280	9465	8085
Surabaya	8755	9208	8062	7888	8878	8909	10103	8718
Tanjung Priok	8395	8830	7689	7515	8485	8515	9730	8320
Tokyo	11133	11468	10334	10158	11223	11253	12373	11058
Toyama	11165	11500	10423	10250	11255	11285	12465	11090
Vladivostok	11200	11635	10526	10250	11290	11320	12465	11125
Yokohama	11115	11450	10316	10140	11205	11235	12355	11040

Malaysia, Indonesia, South East Asia, China Sea and Japan

All distances on this page via the Suez Canal.

AREA A	AREA F							
	Murmansk	Narvik	Newcastle	Oslo	Rostock (via Kiel Canal)	Rotterdam	St Petersburg (via Kiel Canal)	Skaw
Balikpapan	10970	10420	9505	9845	9705	9345	10395	9825
Bangkok	10975	10425	9510	9850	9710	9160	10400	9615
Basuo (Hainan Is)	11245	10695	9775	10120	9980	9650	10865	10105
Busan	12448	11898	10978	11323	11180	10853	11768	11310
Cam Pha	11405	10855	9935	10280	10140	9800	10825	10255
Cebu	11300	10750	9830	10175	10035	9750	10720	10205
Dalian	12555	12005	11090	11430	11290	10930	11980	11410
Haiphong	11305	10755	9835	10180	10040	9700	10725	10155
Ho Chi Minh City	10595	10045	9125	9465	9325	8975	10015	9430
Hong Kong	11400	10850	9930	10270	10130	9785	10820	10240
Hungnam	12705	12155	11235	11575	11440	11145	12325	11600
Inchon	12500	11950	11030	11375	11235	10910	12120	11365
Kampong Saom	10675	10125	9210	9550	9410	8860	10100	9315
Kaohsiung (Taiwan)	11570	11020	10100	10445	11305	9975	11190	10430
Keelung (Taiwan)	11750	11200	10280	10625	10485	10120	11170	10605
Kobe	12605	12060	11140	11480	11340	11080	12030	11535
Makassar	10970	10420	9505	9845	9705	9340	10395	9795
Manado	11435	10885	9965	10300	10170	9840	11055	10295
Manila	11275	10725	9805	10150	10010	9735	10895	10190
Masinloc	11315	10765	9845	10190	10050	9775	10935	10230
Moji	12495	11945	11025	11370	11230	10905	12120	11360
Muroran	13183	12633	11713	12058	11918	11588	12803	12043
Nagasaki	12360	11810	10890	11235	11095	10795	11980	11250
Nagoya	12800	12250	11330	11670	11530	11170	12920	11650
Nampo	12566	12015	11095	11441	11300	10970	12186	11427
Osaka	12615	12065	11150	11490	11320	10985	12240	11470
Otaru	13220	12671	11750	12096	11956	11626	12841	12080
Palembang	10245	9695	8775	9120	8980	8650	9865	9105
Qingdao	12410	11860	10940	11285	11145	10780	12035	11265
Qinhuangdao	12684	12134	11215	11557	11417	11055	12106	11539
Sabang	9345	8795	7875	8220	8080	7750	8965	8205
Shanghai	12155	11605	10686	11028	10890	10590	11780	11045
Shimonoseki	12272	11922	11000	11347	11207	10877	12182	11332
Singapore	9945	9395	8475	8820	8680	8350	9565	8805
Surabaya	10585	10035	9116	9458	9318	8956	10007	9438
Tanjung Priok	10210	9660	8745	9085	8945	8585	9635	9040
Tokyo	12858	12308	11388	11728	11588	11223	12478	11778
Toyama	12945	12395	11475	11820	11680	11355	12570	11810
Vladivostok	12950	12400	11480	11820	11685	11390	12570	11845
Yokohama	12840	12290	11370	11710	11570	11205	12460	11760

All distances on this page via the Suez Canal.

AREA A	AREA F							
	Southampton	Stockholm	Sunderland	Szczecin	Teesport	Trondheim	Vaasa (via Kiel Canal)	Wlissingen
Balikpapan	9115	10120	9490	9840	9465	10071	10315	9290
Bangkok	9125	10125	9500	9845	9490	9861	10320	9300
Basuo (Hainan Is)	9425	10390	9765	10110	9735	10350	10590	9565
Busan	10628	11593	10968	11313	10938	11555	11790	10768
Cam Pha	9575	10550	9925	10270	9895	10500	10750	9725
Cebu	9525	10445	9820	10165	9790	10450	10645	9620
Dalian	10700	11700	11080	11420	11050	11655	11900	10875
Haiphong	9475	10450	9825	10170	9795	10400	10650	9625
Ho Chi Minh City	8750	9740	9115	9460	9085	9675	9935	8915
Hong Kong	9560	10545	9920	10265	9890	10485	10740	9720
Hungnam	10820	11850	11225	11570	11195	11845	12050	11025
Inchon	10685	11645	11020	11365	10990	11610	11845	10820
Kampong Saom	8825	9825	9200	9545	9170	9560	10020	9000
Kaohsiung (Taiwan)	9750	10715	10080	10435	10060	10675	10915	9890
Keelung (Taiwan)	9890	10895	10270	10615	10240	10850	11095	10070
Kobe	10755	11755	11130	11470	11100	11780	11950	10925
Makassar	9115	10120	9495	9835	9470	10040	10315	9290
Manado	9615	10580	9955	10300	9800	10540	10780	9755
Manila	9410	10420	9795	10140	9765	10435	10620	9595
Masinloc	9450	10460	9835	10180	9805	10475	10660	9635
Moji	10680	11640	11015	11360	10975	11605	11840	10815
Muroran	11363	12328	11703	12048	11673	12288	12528	11503
Nagasaki	10570	11505	10880	11225	10850	11495	11705	10680
Nagoya	10940	11945	11320	11665	11395	11895	12140	11120
Nampo	10745	11710	11085	11430	11055	11672	11910	10886
Osaka	10760	11760	11140	11480	11140	11715	11930	10935
Otaru	11400	12366	11740	12086	11710	12326	12566	11541
Palembang	8425	9390	8765	9110	8735	9350	9590	8565
Qingdao	10555	11555	10930	11275	10900	11510	11755	10730
Qinhuangdao	10826	11830	11200	11549	11175	11764	12027	11004
Sabang	7525	8490	7865	8210	7835	8450	8690	7665
Shanghai	10365	11300	10676	11020	10646	11290	11500	10475
Shimonoseki	10652	11617	11015	11337	10960	11577	11817	10792
Singapore	8125	9090	8465	8810	8435	9050	9290	8265
Surabaya	8727	9731	9106	9450	9076	9683	9928	8905
Tanjung Priok	8360	9360	8735	9075	8705	9285	9555	8530
Tokyo	11000	12005	11378	11723	11348	12023	12198	11178
Toyama	11130	12090	11465	11810	11435	12055	12290	11265
Vladivostok	11065	12095	11470	11815	11440	12090	12295	11270
Yokohama	10980	11985	11360	11705	11335	12005	12180	11160

AREA G	Aberdeen	Amsterdam	Antwerp	Archangel	Avonmouth	Belfast	Bergen	Bilbao
Adelaide †	11055	10825	10790	12865	10620	10755	11260	10330
Albany †	10080	9850	9815	11690	9260	9755	10260	9330
Apia *	10403	10568	10544	11579	10261	10327	10584	10210
Auckland *	11200	11330	11345	12375	11065	11380	11380	11005
Banaba *	11450	11618	11593	12628	11321	11377	11634	11265
Bluff *	11403	11568	11543	12578	11271	11327	11584	11210
Brisbane †	12330†	12100†	11965	13535*	11895†	12030†	12535†	11605†
Cairns †	11497	11247	11223	13103	11036	11170	11676	10745
Cape Leeuwin †	9897	9647	9623	11303	9436	9570	10076	9145
Darwin †	10308	10058	10034	11914	9847	9981	10487	9556
Esperance †	10338	10088	10064	11944	9877	10011	10517	9586
Fremantle †	9855	9625	9590	11485	9415	9550	10055	9125
Geelong †	11410	11160	11140	13020	10950	11085	11590	10660
Geraldton †	9727	9477	9453	11333	9266	9400	9906	8975
Honolulu *	9370	9530	9515	10550	9240	9185	9555	9180
Hobart †	11530	11300	11265	13150	11095	11230	11735	10805
Launceston †	11525	11275	11250	13130	11065	11200	11705	10775
Lyttelton *	11260	11425	11400	12440	11130	10075	11445	11070
Mackay †	11837	11587	11563	13443	11376	11510	12016	11085
Madang †	11384	11634	11610	13490	11423	11557	12063	11132
Makatea *	9135	9335	9300	10305	9000	8945	9310	8940
Melbourne †	11355	11125	11090	13020	10950	11100	11605	10675
Napier *	11088	11253	11229	12264	10956	11012	11269	10895
Nauru Island *	11650	11818	11793	12828	11521	11577	11834	11465
Nelson *	11341	11538	11495	12520	11210	11155	11525	11150
Newcastle (NSW) †	11890†	11660†	11625†	13515*	11490†	11625†	12130†	11200†
New Plymouth *	11326	11523	11480	12505	11195	11140	11510	11135
Noumea *	11670	11815	11880	12845	11535	11480	11850	11475
Otago Harbour *	11440 *	11605*	11580*	12615*	11305*	11255*	11620*	11700†
Papeete *	9185	9385	9350	10355	9050	8995	9360	8990
Portland (Victoria) †	11210	10960	10940	12820	10750	10885	11390	10460
Port Hedland †	9755	9525	9490	11385	9315	9450	9955	9025
Port Kembla †	11850	11570	11535	13455	11390	11525	12030	11100
Port Lincoln †	11005	10775	10740	12815	10570	10705	11210	10280
Port Moresby †	11326	11076	10052	11832	9865	9999	10505	9574
Port Pirie †	11155	10925	10890	12965	10720	10855	11360	10430
Rockhampton †	12017	11768	11745	13623	11556	11690	12196	11265
Suva *	11013	11178	11154	12189	10881	10821	11194	10820
Sydney †	11880	11600	11565	13485	11420	11555	12060	11130
Wellington *	11192	11380	11345	12370	11060	11005	11375	11000

AREA G	Bordeaux	Bremen	Brest	Cherbourg	Copenhagen	Cork	Dublin	Dunkirk
Adelaide †	10475	11035	10435	10565	11285K	10595	10665	10690
Albany †	9475	10060	9435	9590	10285K	9580	9670	9715
Apia *	10360	10786	10179	10211	10888	10089	10239	10442
Auckland *	11155	11580	10975	11060	11685	10885	11035	11235
Banaba *	11410	11836	11229	11261	11938	11139	11289	11492
Bluff *	11360	11786	11179	11211	11888	11089	11239	11442
Brisbane †	11750	12310	11710	11840	12560	11880	11940	11965
Cairns †	10891	11484	10851	10995	11700K	11009	11082	11133
Cape Leeuwin †	9290	9885	9251	9395	10100K	9409	9482	9533
Darwin †	9701	10296	9662	9806	10511K	9820	9893	9944
Esperance †	9731	10336	9692	9836	10541K	9850	9923	9974
Fremantle †	9270	9835	9230	9365	10080K	9321	9465	9490
Geelong †	10805	11400	10721	10911	11615K	11470	11000	11050
Geraldton †	9120	9715	9081	9225	9930K	9239	9312	9363
Honolulu *	9330	9755	9150	9180	9855	9060	9205	9410
Hobart †	10950	11540	10910	11040	11760K	11680	11140	11165
Launceston †	10920	11510	10880	10025	11730K	11040	11110	11160
Lyttelton *	11220	11645	11040	11070	11745	10950	11100	11300
Mackay †	11231	11824	11191	11335	12040K	11349	11422	11473
Madang †	11278	11871	11238	11382	12087K	11396	11469	11520
Makatea *	9085	9510	8905	9228	9615	8815	8965	9225
Melbourne †	10805	11435	10780	10865	11630K	11085	11010	10990
Napier *	11045	11471	10864	10896	11573	10774	10924	11127
Nauru Island *	11610	12036	11429	11461	12138	11339	11489	11692
Nelson *	11300	11740	11120	11160	11825	11035	11180	11395
Newcastle (NSW) †	11345	11890	11305	11400	12155K	11440	11535	11525
New Plymouth *	11285	11725	11105	11145	11810	11020	11165	11380
Noumea *	11625	12025	11445	11485	12155	11350	11505	11780
Otago Harbour *	11375	11820	11215	11240	11925	11125	11275	11480
Papeete *	9135	9560	8955	9040	9665	8865	9015	9275
Portland (Victoria) †	10605	11200	10484	10711	11415K	11270	10800	10850
Port Hedland †	9170	9735	9130	9265	9980K	9805	9365	9390
Port Kembla †	11245	11830	11205	11310	12055K	11350	11435	11455
Port Lincoln †	10425	10985	10385	10515	11235K	10545	10615	10640
Port Moresby †	9719	10314	9680	9824	10529K	9838	9911	10959
Port Pirie †	10575	11135	10535	10665	11385K	10695	10765	10790
Rockhampton †	11411	12010	11371	11510	12220K	11530	11602	11665
Suva *	10970	11393	10789	10821	11498	10699	10849	11052
Sydney †	11275	11860	11235	11340	12085K	11380	11465	11485
Wellington *	11150	11590	10970	11010	11675	10885	11030	11245

AREA G	AREA A							
	Emden	Esbjerg	Felixstowe	Finisterre	Gdansk (via Kiel Canal)	Gibraltar	Gijon	Glasgow
Adelaide †	10995	11076	10732	9980	11420	9410	10205	10805
Albany †	9960	10081	9732	8985	10425	8435	9205	9830
Apia *	10691	10740	10473	9931	11156	10169	10100	10253
Auckland *	11490	10540	11267	10725	11950	10865	10895	11255
Banaba *	11741*	11791*	11523	10935*	12206*	11026†	11155*	11303*
Bluff *	11691*	11741	11473	10930*	12156*	10778†	11100*	11253*
Brisbane †	12230	12356	12007	11255	12695	10785	11580	12080
Cairns †	11372	11494	11146	10398	11837	9878	10620	11259
Cape Leeuwin †	9772	9894	9546	8798	10237	8280	9019	9659
Darwin †	10183	10305	9957	9209	10648	8689	9431	10070
Esperance †	10223	10335	9987	9239	10678	8719	9461	10100
Fremantle †	9755	9876	9527	8780	10220	8260	9000	9605
Geelong †	11290	11410	11062	10315	11755	9795	10535	11175
Geraldton †	9602	9724	9376	8628	10067	8108	8850	9489
Honolulu *	9660	9710	10872	8900	10125	9040	9070	9220
Hobart †	11430	11551	11202	10455	11895	9885	10680	11280
Launceston †	11400	11521	11177	10430	11865	9905	10650	11290
Lyttelton *	11550	11600	11332	10790	12015	10925	10960	11110
Mackay †	11712	11834	11486	10738	12177	10218	10960	11599
Madang †	11759	11881	11533	10785	12224	10265	11007	11646
Makatea *	9420	9470	9202	8650	9885	8770	8830	8985
Melbourne †	11300	11426	11077	10330	11765	9810	10550	11185
Napier *	11376	11426	11158	10616	11841	10766	10785	10938
Nauru Island *	11941*	11991*	11723	11137*	12406*	10866†	11355*	11503*
Nelson *	11630	11680	11412	10870	12095	11040	11040	11215
Newcastle (NSW) †	11825	11951	11602	10855	12290	10345	11075	11740
New Plymouth *	11615	11665	11397	10855	12080	11025	11025	11200
Noumea *	11955	12005	11737	11195	12420	11325	11365	11540
Otago Harbour *	11810*	11860*	11507	10965*	12190*	10830†	9575†	11430*
Papeete *	9470	9520	9252	8700	9935	8820	8880	9035
Portland (Victoria) †	11090	11210	10862	10115	11555	9595	10335	10975
Port Hedland †	9655	9776	9427	8680	10120	8160	8900	9505
Port Kembla †	11725	11826	11502	10750	12190	10255	10975	11650
Port Lincoln †	10945	10960	10682	9930	11370	9360	10155	10755
Port Moresby †	10201	10323	9975	10263	10666	9707	9449	10088
Port Pirie †	11095	11176	10832	10080	11520	9510	10205	10905
Rockhampton †	11892	12014	11666	10918	12357	10285	10140	11780
Suva *	11301	11351	11083	10540	11766	10679	10710	10863
Sydney †	11755	11876	11532	10780	12220	10285	11005	11680
Wellington *	11480	11530	11262	10720	11945	10890	10890	11065

AREA G	AREA A							
	Gothenburg	Hamburg	Härnösand	Helsinki	Hull	Kiel (via Canal)	Klaipeda	Land's End
Adelaide †	11240	11050	11740K	11700K	10850	11080	11530K	10420
Albany †	10245	10075	10740K	10710K	9875	10085	10535K	9420
Apia *	10780	10806	11454	11428	10620	10817	11220	10116
Auckland *	11575	11655	12250	12225	11455	11615	11220	10920
Banaba *	11830	11856	12504	12478	11670	11867	12270	11176
Bluff *	11780	11806	12454	12428	11620	11817	12220	11026
Brisbane †	12515	12225	13015K	12985K	12165	12360	12805K	11695
Cairns †	11657	11484	12158K	12126K	11315	11498	11947K	10836
Cape Leeuwin †	10057	9880	10558K	10526K	9715	9898	10347K	9236
Darwin †	10468	10291	10969K	10937K	10126	10309	10758K	9647
Esperance †	10498	10321	10999K	10967K	10156	10339	10788K	9677
Fremantle †	10040	9850	10540K	10505K	9650	9880	10330K	9215
Geelong †	11573	11401	12074K	12042K	11220	11414	11865K	10750
Geraldton †	9887	9710	10388K	10356K	9545	9728	10177K	9066
Honolulu *	9750	9775	10420	10400	9590	9785	10189	9095
Hobart †	11715	11525	12215K	12185K	11325	11555	12005K	10895
Launceston †	11685	11515	12185K	12155K	11335	11525	11975K	10865
Lyttelton *	11640	11665	12313	12287	11479	11676	12079	10985
Mackay †	11997	11824	12498K	12466K	11655	11838	12287K	11176
Madang †	12044	11871	12545K	12513K	11702	11885	12334K	11223
Makatea *	9505	9585	10180	10215	9385	9545	9949	8855
Melbourne †	11585	11350	12090K	12055K	11250	11430	11875K	10750
Napier *	11465	11491	12139	12113	11305	11502	11905	10811
Nauru Island *	12030	12056	12704	12678	11870	12067	12470	11376
Nelson *	11720	11755	12395	12365	11555	11750	12159	11065
Newcastle (NSW) †	12110	11885	12615K	12580K	11785	11955	12400K	11290
New Plymouth *	11705	11740	12380	12350	11540	11735	12144	11050
Noumea *	12045	12040	12720	12695	11940	12085	12484	11390
Otago Harbour *	11815	11880	12590	12465	11685	11855	12254	11160
Papeete *	9555	9635	10230	10265	9435	9595	9999	8805
Portland (Victoria) †	11373	11201	11874K	11842K	11020	11214	11665K	10550
Port Hedland †	9940	9750	10440K	10405K	9550	9780	10230K	9115
Port Kembla †	12010	11835	12510K	12480K	11595	11830	12300K	11190
Port Lincoln †	11190	11000	11690K	11650K	10800	10030	12480K	10370
Port Moresby †	10486	10309	10987K	10955K	10144	10327	10776K	10673
Port Pirie †	11340	11150	11840K	11800K	10950	10180	11630K	10520
Rockhampton †	12177	11995	12678K	12646K	11835	12018	11467K	10356
Suva *	11390	11416	12064	12038	11230	11427	11830	10736
Sydney †	12040	11865	12540K	12510K	11625	11880	12330K	11220
Wellington *	11570	11605	12245	12215	11405	11600	12009	10915

AREA G	AREA A							
	Le Havre	Leith	Leixoes	Lisbon	Liverpool	London	Lulea	Milford Haven
Adelaide †	10595	11030	9865	9740	10685	10715	11955K	10522
Albany †	9620	10055	8865	8745	9710	9760	10960K	9522
Apia *	10351	10481	9936	9911	10311	10499	11679	10188
Auckland *	11200	11835	10730	10705	11135	11290	12475	10992
Banaba *	11401	11531	10986	10917	11361	11549	12729	11192
Bluff *	11351	11481	10936	10910	11311	11499	12679	11098
Brisbane †	11870	12305	11140	11015	12060	12060	13230†	11795†
Cairns †	11025	11478	10283	10158	11148	11179	12373K	10936
Cape Leeuwin †	9425	9880	8683	8558	9548	9575	10773K	9336
Darwin †	9836	10291	9094	8969	9959	9986	11184K	9747
Esperance †	9866	10321	9124	8999	9989	10016	11214K	9777
Fremantle †	9395	9830	8665	8540	9485	9515	10755K	9315
Geelong †	10941	11395	10200	10075	11065	11095	12290K	10850
Geraldton †	9255	9710	8513	8388	9378	9405	10603K	9166
Honolulu *	9320	9450	8905	8880	9280	9470	10650	9167
Hobart †	11070	11505	10340	10215	11160	11190	12430K	10995
Launceston †	11055	11480	10315	10190	11135	11165	12400K	10965
Lyttelton †	11210	11340	10795	10770	11170	11358	12540	11057
Mackay †	11365	11818	10623	10498	11488	11519	12713K	11276
Madang †	11412	11865	10670	10545	11535	11566	12760K	11323
Makatea *	9150	9215	8655	8630	9035	9250	10405	8927
Melbourne †	10895	11430	10215	10090	10985	11015	12305K	10850
Napier *	11036	11366	10621	10596	10996	11184	12364	10883
Nauru Island *	11601	11731	11186	11117	11561	11749	12929	11392
Nelson *	11300	11435	10875	10850	11335	11420	12620	11448
Newcastle (NSW) †	11430	11865	10740	10615	11620	11650	12830K	11390
New Plymouth *	11285	11420	10860	10835	11320	11405	12605	11122
Noumea *	11625	11745	11200	11175	11575	11765	12945	11462
Otago Harbour *	11380	11515	10970	10945	11345	11535	12715	11232
Papeete *	9180	9265	8705	8680	9085	9300	10455	8877
Portland (Victoria) †	10741	11195	10000	9875	10865	10895	12090K	10650
Port Hedland †	9295	9730	8565	8440	9385	9415	10655K	9215
Port Kembla †	11340	11725	10635	10510	11530	11560	12725K	11290
Port Lincoln †	10545	10980	10815	9690	10635	10665	11905K	10470
Port Moresby †	9854	10309	9112	8987	9977	10004	11202K	9765
Port Pirie †	10695	11130	9965	9840	10785	10815	12055K	10620
Rockhampton †	11540	11995	10803	10678	11668	11699	12893K	10465
Suva *	10961	11091	10546	10521	10921	11109	12289	10808
Sydney †	11370	11805	10665	10540	11560	11590	12755K	11320
Wellington *	11150	11285	10725	10700	11185	11270	12470	10987

AREA G	AREA A							
	Murmansk	Narvik	Newcastle	Oslo	Rostock (via Kiel Canal)	Rotterdam	St Petersburg	Skaw
Adelaide †	12440	11890	10970	11310	11165	10785	11860K	11173
Albany †	11440	10890	9970	10310	10170	9810	10865K	10173
Apia *	11384	10985	10553	10812	10902	10545	11579	10751
Auckland *	12180	11780	11350	11610	11700	11340	12375	11545
Banaba *	12434	12035	11603	11862	11952	11594	12629	11800
Bluff *	12384	11985	11553	11812	11902	11545	12579	11750
Brisbane †	13340*	12940*	12245†	12585†	12545†	12080	13135K	11415
Cairns †	12805	12305	11386	11728	11583	11226	12277K	11585
Cape Leeuwin †	11255	10705	9786	10128	9983	9626	10677K	9985
Darwin †	11666	11116	10197	10539	11394	10037	11088K	10398
Esperance †	11696	11146	10227	10596	10424	10067	11118K	10428
Fremantle †	11235	10685	9765	10110	9965	9585	10660K	9970
Geelong †	12770	12220	11300	11645	11544	11140	12195K	11503
Geraldton †	11115	10535	9616	9958	9891	9456	10507K	9817
Honolulu *	10455	9955	9520	9870	9870	9515	10550	9720
Hobart †	12915	12365	11445	11785	11640	11260	12335K	11645
Launceston †	12885	12335	11415	11755	11610	11255	12310K	11615
Lyttelton *	12245	11845	11410	11670	11761	11405	12438	11610
Mackay †	13145	12645	11726	12068	11923	11566	12617K	11927
Madang †	13192	12692	11773	12115	11970	11613	12664K	11974
Makatea *	10110	9710	9280	9540	9630	9320	10305	9475
Melbourne †	12785	12235	11315	11660	11515	11085	12205K	11515
Napier *	12069	11670	11238	11497	11587	11230	12264	11435
Nauru Island *	12634	12235	11803	12062	12152	11794	12829	12000
Nelson *	12325	11925	11490	11750	11835	11490	12520	11690
Newcastle (NSW) †	13310	12760	11840	12185	12040	11620	12730K	12040
New Plymouth *	12310	11910	11475	11735	11820	11475	12505	11675
Noumea *	12650	12350	11820	12080	12170	11805	12845	12015
Otago Harbour *	12420	12020	11590	11850	11940	11580	12615	11785
Papeete *	10160	9760	9330	9590	9680	9370	10355	9525
Portland (Victoria) †	12570	12020	11100	11445	12299	10940	11995K	11303
Port Hedland †	11135	10585	9665	10010	9865	9967	10560K	9870
Port Kembla †	13210	12660	11740	12080	11915	11530	12630K	11940
Port Lincoln †	12390	11840	10920	11260	11115	10735	11810K	11120
Port Moresby †	11684	12119	10215	10557	10412	10055	11106K	11416
Port Pirie †	12540	11990	11070	11410	11265	10885	11960K	11240
Rockhampton †	13325	12825	11906	12248	12103	11760	12797K	12107
Suva *	11994	11595	11163	11422	11512	11155	12189	11360
Sydney †	13240	12690	11770	12110	11970	11560	12660K	11970
Wellington *	12175	11775	11340	11600	11685	11340	12370	11540

AREA G	Southampton	Stockholm	Sunderland	Szczecin (via Kiel Canal)	Teesport	Trondheim	Vaasa	Wlissingen
Adelaide †	10560	11585K	10925	11300	10915	11526	11780K	10760
Albany †	9585	10585K	9950	10305	9940	10526	10780K	9760
Apia *	10311	11305	10551	11039	10540	10746	11501	10494
Auckland *	11105	12100	11330	11835	11320	11542	12295	11290
Banaba *	11361	12355	11601	12089	11591	11796	12550	11544*
Bluff *	11311	12305	11551	12039	11541	11746	12500	11494*
Brisbane †	11835	12860K	12200	12580	12090†	12801	13060K	12035
Cairns †	10997	12000K	11363	11720	11353	11942	12198K	11175
Cape Leeuwin †	9397	10400K	9736	10120	9753	12342	10598K	9575
Darwin †	9808	10811K	10174	10531	10164	12753	11009K	9986
Esperance †	9838	10841K	10204	10561	10194	10783	11039K	10016
Fremantle †	9360	10380K	9725	10100	9715	10321	10580K	9555
Geelong †	10915	11915K	11280	11635	11270	11856	12114K	11090
Geraldton †	9220	10230K	9593	9950	9583	10172	10428K	9405
Honolulu *	9280	10275	9520	10010	9510	9717	10470	9465
Hobart †	11055	12060K	11400	11780	11390	12001	12255K	11230
Launceston †	11025	12030K	11390	11750	11380	11971	12225K	11205
Lyttelton *	11170	12165	11410	11900	11400	11607	12360	11355
Mackay †	11337	12340K	11703	12060	11693	12282	12538K	11515
Madang †	11384	12387K	11750	12107	11740	12329	12585K	11562
Makatea *	9095	10050	9260	9765	9250	9472	10225	9220
Melbourne †	10960	11930K	11225	11650	11215	11871	12130K	11105
Napier *	10996	11990	11236	11724	11226	11431	12185	11179
Nauru Island *	11561	12555	11801	12289	11791	11996	12750	11744*
Nelson *	11265	12245	11505	11975	11620	11687	12440	11435
Newcastle (NSW) †	11395	12455K	11760	12175	11750	12396	12655K	11630
New Plymouth *	11250	12230	11490	11960	11605	11672	12425	11420
Noumea *	11550	12570	11815	12305	11805	12012	12765	11760
Otago Harbour *	11345	12340	11890	12075	11880	11782	12535	11530*
Papeete *	9145	10080	9310	9815	9300	9522	10275	9270
Portland (Victoria) †	10715	11715K	11080	11435	11070	11656	11914K	10890
Port Hedland †	9738	10741K	9679	10461	9669	10221	10580K	9455
Port Kembla †	11305	12355K	11670	12075	11660	12296	12530K	11530
Port Lincoln †	10510	11535K	10875	11250	10865	11476	11730K	10710
Port Moresby †	9826	10829K	10192	10549	10182	10771	11027K	10004
Port Pirie †	10660	11685K	11025	10400	11015	11626	10880K	10860
Rockhampton †	11525	12520K	11880	12240	11890	12462	12718K	11695
Suva *	10921	11915	11161	11649	11151	11356	12110	11104
Sydney †	11335	12385K	11700	12105	11690	12326	12580K	11560
Wellington *	11115	12095	11355	11825	11345	11537	12290	11285

AREA H	Aberdeen	Amsterdam	Antwerp	Archangel	Avonmouth	Belfast	Bergen	Bilbao
Antofagasta *	6838	7008	6973	8000	6695	6633	7005	6635
Arica *	6642	6812	6777	7785	6475	6437	6790	6415
Astoria *	8460	8730	8695	9645	8340	8355	8650	8275
Balboa *	4680	4880	4845	5865	4555	4505	4870	4495
Buenaventura *	5040	5205	5180	6215	4910	4655	5220	4845
Cabo Blanco (Peru) *	5492	5692	5657	6677	5367	5317	5682	5307
Caldera *	7370	7210	7175	8195	6885	6835	7200	6825
Callao *	6047	6212	6182	7210	5900	5842	6215	5840
Cape Horn	7708	7460	7445	9262	7225	7341	7878	6941
Chimbote *	5840	6040	6005	6025	5715	5665	6030	5655
Coos Bay *	8285	8450	8425	9460	8155	8100	8470	8095
Corinto *	5308	5578	5543	6546	5236	5403	5551	5176
Eureka *	8140	8380	8345	9320	8010	8005	8325	7950
Guayaquil *	5552	5722	5687	6685	5380	5347	5695	5320
Guaymas *	7092	7262	7227	8234	6924	6887	7239	6864
Honolulu *	9375	9545	9510	10550	9240	9170	9555	9180
Iquique *	6670	6880	6845	7850	6540	6485	6855	6480
Los Angeles *	7607	7787	7753	8770	7470	7412	7780	7405
Manzanillo (Mex) *	6400	6630	6595	7580	6270	6255	6585	6210
Mazatlan (Mex) *	6680	6950	6815	7870	6560	6575	6875	6500
Nanaimo *	8780	8850	8915	9900	8595	8575	8905	8535
New Westminster *	8745	8965	8930	9960	8605	8550	8920	8545
Portland (Oreg) *	8557	8787	8752	9730	8425	8312	8735	8365
Port Alberni *	8674	8874	8839	9859	8549	8499	8864	8489
Port Isabel *	7322	7492	7457	8464	7154	7117	7469	7094
Port Moody *	8791	8861	8926	9904	8599	8586	8909	8539
Prince Rupert *	8983	9183	9148	10168	8858	8808	9173	8798
Puerto Montt M	8644	8386	8381	10203	8165	8277	8814	7877
Punta Arenas (Ch) M	7684	7426	7421	9243	7208	7317	7854	6917
Puntarenas (CR) *	5150	5350	5315	6335	5025	4975	5340	4965
Salina Cruz *	5870	6040	6005	7025	5715	5665	6030	5655
San Francisco *	7987	8057	8122	9105	7800	7782	8115	7740
San José (Guat) *	5568	5768	5733	6754	5444	5393	5759	5384
Seattle *	8710	8875	8850	9890	8575	8525	8890	8515
Tacoma *	8740	8900	8880	9915	8605	8555	8920	8545
Talcahuano *	7910	7680	7645	8469	7359	7305	7674	7299
Tocopilla *	6728	6898	6863	7930	6625	6523	6935	6560
Valparaiso *	7318	7488	7453	8480	7170	7117	7485	7110
Vancouver (BC) *	8787	8857	8922	9900	8595	8582	8905	8535
Victoria (Vanc Is) *	8665	8885	8850	9880	8525	8470	8840	8465

AREA H	AREA A							
	Bordeaux	Bremen	Brest	Cherbourg	Copenhagen	Cork	Dublin	Dunkirk
Antofagasta *	6873	7218	6605	6636	7310	6623	6665	6873
Arica *	6677	7022	6385	6440	7095	6637	6445	6677
Astoria *	8595	8940	8245	8358	8955	8345	8305	8505
Balboa *	4745	5090	4465	4508	5175	4495	4525	4745
Buenaventura *	4995	5420	4815	4843	5525	4925	4875	5070
Cabo Blanco (Peru) *	5557	5902	5277	5320	5987	5307	5337	5557
Caldera *	7075	7420	6795	6838	7505	6825	6855	7075
Callao *	6082	6427	5810	5845	6520	5832	5870	6082
Cape Horn	7080	7670	7000	7173	7874K	7128	7250	7325
Chimbote *	5905	6250	5625	5668	6335	5655	5685	5905
Coos Bay *	8245	8670	8060	8093	8770	7970	8110	8325
Corinto *	5443	5788	5146	5206	5856	5193	5206	5443
Eureka *	8245	8590	7920	8008	8630	7995	7980	8245
Guayaquil *	5587	5932	5290	5350	6000	5337	5350	5587
Guaymas *	7127	7472	6834	6890	7544	6877	6894	7127
Honolulu *	9410	9755	9150	9173	9855	9160	9210	9410
Iquique *	6745	7090	6450	6508	7160	6495	6510	6745
Los Angeles *	7652	7997	7375	7415	8085	7352	7435	7652
Manzanillo (Mex) *	6495	6840	6180	6258	6890	6245	6240	6495
Mazatlan (Mex) *	6815	7160	6470	6578	7180	6565	6530	6815
Nanaimo *	8815	9160	8505	8578	9210	8565	8560	8815
New Westminster *	8830	9175	8515	8593	9210	8580	8575	8830
Portland (Oreg) *	8652	8997	8335	8415	9040	8352	8390	8652
Port Alberni *	8739	9084	8459	8502	9169	8489	8519	8739
Port Isabel *	7357	7702	7064	7120	7774	7107	7124	7357
Port Moody *	8826	9171	8504	8589	9244	8576	8564	8826
Prince Rupert *	9048	9393	8768	8811	9478	8798	8828	9048
Puerto Montt M	8016	8606	7936	8109	8815K	8065	8185	8265
Punta Arenas (Ch) M	7056	7646	6976	7149	7850K	7104	7226	7300
Puntarenas (CR) *	5215	5560	4935	4978	5645	4965	4995	5215
Salina Cruz *	5905	6250	5625	5668	6335	5655	5685	5905
San Francisco *	8022	8367	7705	7785	8415	7722	7770	8022
San José (Guat) *	5633	5978	5354	5396	6064	5383	5414	5633
Seattle *	8665	9090	8485	8513	9195	8395	8545	8745
Tacoma *	8695	9120	8515	8543	9225	8425	8575	8780
Talcahuano *	7545	7890	7269	7308	7979	7295	7329	7545
Tocopilla *	6763	7108	6530	6526	7240	6513	6590	6763
Valparaiso *	7353	7698	7080	7116	7790	7103	7140	7353
Vancouver (BC) *	8822	9167	8500	8585	9211	8572	8560	8822
Victoria (Vanc Is) *	8750	9095	8435	8513	8345	8500	8495	8750

AREA H	AREA A							
	Emden	Esbjerg	Felixstowe	Finisterre	Gdansk (via Kiel Canal)	Gibraltar	Gijon	Glasgow
Antofagasta *	7115	7160	6987	6233	7580	6518	6513	6833
Arica *	6895	6945	6657	6137	7360	6322	6317	6737
Astoria *	8760	8805	8582	8055	9225	8240	8240	8655
Balboa *	4975	5025	4757	4205	5440	4390	4385	4806
Buenaventura *	5325	5375	5102	4290	5790	4705	4739	4890
Cabo Blanco (Peru) *	5787	5837	5569	5017	6252	5202	5197	5617
Caldera *	7305	7355	7087	6535	7770	6720	6715	7135
Callao *	6320	6370	6102	5542	6785	5727	5722	6142
Cape Horn	7588	7676	7373	6625	8253	6387	6818	7440
Chimbote *	6135	6185	5917	5365	6600	5550	5545	5965
Coos Bay *	8575	8620	8357	7535	9040	7950	7929	8135
Corinto *	5656	5706	5438	4903	6121	5088	5083	5503
Eureka *	8435	8480	8217	7705	8900	7890	7885	8305
Guayaquil *	5800	5850	5582	5047	6265	5232	5227	5647
Guaymas *	7344	7394	7126	6587	7809	6772	6767	7187
Honolulu *	9660	9705	9442	8870	10125	9055	9015	9470
Iquique *	6960	7010	6742	6205	7425	6390	6385	6805
Los Angeles *	7885	7935	7672	7112	8355	7297	7332	7712
Manzanillo (Mex) *	6695	6740	6477	5955	7160	6140	6135	6555
Mazatlan (Mex) *	6980	7030	6762	6275	7445	6460	6455	6875
Nanaimo *	9015	9060	8797	8275	9480	8430	8455	8875
New Westminster *	9025	8275	8812	8290	9490	8445	8470	8890
Portland (Oreg) *	8845	8890	8627	8112	9310	8297	8292	8712
Port Alberni *	8969	9019	8751	8199	9434	8384	8379	8799
Port Isabel *	7574	7624	7356	6817	8039	7002	6997	7417
Port Moody *	9019	8094	8801	8286	9484	8471	8466	8886
Prince Rupert *	9278	9328	9060	8508	9743	8693	8688	9108
Puerto Montt M	8525	8613	8309	7761	9189	7320	7754	8376
Punta Arenas (Ch) M	7564	7652	7349	6601	8229	6362	6794	7416
Puntarenas (CR) *	5445	5495	5227	4675	5910	4860	4855	5275
Salina Cruz *	6135	6185	5917	5365	6600	5550	5545	5965
San Francisco *	8220	8265	8002	7482	8685	7667	7662	8082
San José (Guat) *	5864	5914	5646	5093	6329	5278	5273	5693
Seattle *	8995	9045	8777	7955	9460	8375	8351	8555
Tacoma *	9025	9075	8807	7990	9495	8405	8382	8590
Talcahuano *	7779	7829	7561	7005	8244	7190	7185	7605
Tocopilla *	7045	7090	6827	6223	7510	6408	6403	6823
Valparaiso *	7590	7640	7372	6813	8055	6998	6993	7413
Vancouver (BC) *	9015	9065	8797	8282	9480	8467	8462	8882
Victoria (Vanc Is) *	8945	8995	8732	8210	9410	8365	8390	8810

AREA H	AREA H							
	Gothenburg	Hamburg	Härnösand	Helsinki	Hull	Kiel (via Canal)	Klaipeda	Land's End
Antofagasta *	7205	7233	7870	7850	7033	7240	7633	6560
Arica *	6985	7037	7670	7635	6837	7020	7437	6340
Astoria *	8845	8955	9520	9495	8755	8885	9355	8200
Balboa *	5065	5105	5740	5715	4905	5100	5505	4420
Buenaventura *	5415	5440	6090	6065	5255	5455	5840	4770
Cabo Blanco (Peru) *	5877	5917	6552	6527	5717	5912	6317	5232
Caldera *	7395	7435	8070	8045	7235	7430	7835	6750
Callao *	6410	6442	7085	7060	6242	6445	6842	5765
Cape Horn	7781	7685	8599	7968	7485	7710	8308	7047
Chimbote *	6225	6265	6900	6875	6065	6260	6665	5580
Coos Bay *	8665	8690	9335	9310	8505	8700	9090	8015
Corinto *	5746	5803	6421	6396	5603	5781	6203	5101
Eureka *	8520	8605	9195	9170	8455	8560	9005	7875
Guayaquil *	5890	5947	6575	6545	5747	5925	6347	5245
Guaymas *	7434	7487	8109	8084	7287	7469	7887	6789
Honolulu *	9750	9770	10425	10395	9570	9785	10190	9105
Iquique *	7050	7105	7725	7700	6905	7090	7505	6405
Los Angeles *	7975	8012	8651	8625	7812	8015	8412	7330
Manzanillo (Mex) *	6780	6855	7455	7430	6655	6820	7255	6135
Mazatlan (Mex) *	7070	7175	7745	7720	6905	7105	7575	6425
Nanaimo *	9105	9175	9780	9750	8975	9140	9575	8460
New Westminster *	9115	9190	9790	9765	8990	9155	9590	8470
Portland (Oreg) *	8935	9012	9605	9580	8812	8970	9412	8290
Port Alberni *	9059	9099	9734	9709	8899	9094	9499	8414
Port Isabel *	7664	7717	8339	8314	7517	7699	8117	7019
Port Moody *	9104	9186	9779	9754	8986	9144	9586	8459
Prince Rupert *	9368	9408	10043	10018	9208	9403	9808	8723
Puerto Montt M	8817	8691	9535	8904	8421	8646	9244	7983
Punta Arenas (Ch) M	7857	7661	8575	7944	7461	7686	8284	7023
Puntarenas (CR) *	5535	5575	6210	6185	5375	5570	5975	4890
Salina Cruz *	6225	6265	6900	6875	6065	6260	6665	5580
San Francisco *	8310	8382	8985	8955	8182	8345	8782	7660
San José (Guat) *	5954	5993	6629	6604	5793	5989	6393	5309
Seattle *	9085	9110	9765	9735	8925	9125	9510	8440
Tacoma *	9115	9145	9795	9765	8955	9155	9545	8470
Talcahuano *	7869	7905	8544	8509	7705	7904	8305	7224
Tocopilla *	7135	7123	7805	7780	6923	7170	7523	6485
Valparaiso *	7680	7713	8355	8330	7513	7715	8113	7035
Vancouver (BC) *	9100	9182	9775	9750	8982	9140	9582	8455
Victoria (Vanc Is) *	9035	9110	9710	9685	8910	9075	9510	8655

AREA H	AREA H							
	Le Havre	Leith	Leixoes	Lisbon	Liverpool	London	Lulea	Milford Haven
Antofagasta *	6778	7213	6365	6378	6813	6898	8105	6612
Arica *	6582	7017	6169	6182	6617	6702	7885	6393
Astoria *	8500	8940	8092	8105	8540	8625	9745	8253
Balboa *	4650	5085	4237	4250	4685	4770	5964	4473
Buenaventura *	4985	5439	4591	4604	5039	5124	6315	4823
Cabo Blanco (Peru) *	5462	5897	5049	5062	5497	5582	6776	5285
Caldera *	6980	7415	6567	6580	7015	7100	8294	6803
Callao *	5987	6422	5574	5587	6022	6107	7310	5818
Cape Horn	7230	7665	6568	6418	7320	7350	8781	7181
Chimbote *	5810	6245	5397	5410	5845	5930	7124	5633
Coos Bay *	8235	8364	7781	7794	8194	8382	9560	8073
Corinto *	5348	5783	4935	4948	5383	5468	6645	5154
Eureka *	8150	8585	7737	7750	8185	8270	9420	7928
Guayaquil *	5492	5927	5079	5092	5527	5612	6800	5298
Guaymas *	7032	7467	6619	6632	7067	7152	8333	6842
Honolulu *	9315	9750	8867	8880	9350	9435	10650	9158
Iquique *	6650	7085	6237	6250	6685	6770	7950	6458
Los Angeles *	7557	7992	7184	7197	7592	7677	8875	7383
Manzanillo (Mex) *	6400	6835	5987	6000	6435	6520	7680	6188
Mazatlan (Mex) *	6720	7155	6307	6320	6755	6840	7970	6478
Nanaimo *	8720	9145	8307	8320	8755	8837	10000	8513
New Westminster *	8735	9160	8322	8335	8770	8852	10015	8523
Portland (Oreg) *	8557	8992	8144	8157	8592	8677	9830	8343
Port Alberni *	8644	9079	8231	8244	8679	8764	9959	8467
Port Isabel *	7262	7697	6849	6862	7297	7382	8563	7072
Port Moody *	8731	9156	8318	8331	8764	8851	10004	8517
Prince Rupert *	8953	9388	8540	8553	8988	9073	10267	8776
Puerto Montt M	8166	8601	7504	7350	8255	8286	9717	8117
Punta Arenas (Ch) M	7206	7641	6544	6394	7296	7326	8757	7157
Puntarenas (CR) *	5120	5555	4707	4720	5155	5240	6434	4943
Salina Cruz *	5810	6245	5297	5410	5845	5930	7124	5633
San Francisco *	7927	8362	7484	7527	7962	8047	9210	7718
San José (Guat) *	5538	5973	5125	5138	5573	5658	6853	5362
Seattle *	8655	8786	8203	8216	8616	8804	9985	8493
Tacoma *	8685	8817	8234	8247	8647	8835	10015	8523
Talcahuano *	7450	7885	7037	7050	7485	7570	8770	7277
Tocopilla *	6668	7103	6255	6268	6703	6788	8005	6538
Valparaiso *	7258	7693	6845	6858	7293	7378	8580	7088
Vancouver (BC) *	8727	9152	8314	8327	8762	8847	10000	8513
Victoria (Vanc Is) *	8390	9080	8242	8255	8690	8772	9935	8443

AREA H	West Coast of North and South America							
	Murmansk	Narvik	Newcastle	Oslo	Rostock	Rotterdam	St Petersburg	Skaw
Antofagasta *	7810	7410	6975	7325	7440	6968	8008	7176
Arica *	7190	7190	6760	7015	7220	6772	7812	6956
Astoria *	9450	9050	8620	8880	9085	8790	9730	8816
Balboa *	5670	5270	4840	5100	5300	4840	5880	5036
Buenaventura *	6020	5620	5190	5450	5655	5180	6205	5384
Cabo Blanco (Peru) *	6482	6082	5652	5912	6112	5652	6692	5848
Caldera *	8000	7600	7170	7430	7630	7170	8210	7366
Callao *	7015	6615	6185	6440	6645	6177	7212	6381
Cape Horn	8896	8383	7600	7945	8100	7415	8682	7897
Chimbote *	6830	6430	6000	6260	6460	6000	7040	6196
Coos Bay *	9265	8870	8435	8695	8900	8430	9450	8626
Corinto *	6351	5951	5521	5781	5981	5538	6578	5734
Eureka *	9125	8725	8295	8555	8760	8340	9380	8536
Guayaquil *	6495	6095	5672	5930	6125	5682	6722	5878
Guaymas *	8039	7639	7209	7469	7669	7222	8262	7418
Honolulu *	10450	9955	9520	9780	9985	9505	10545	9701
Iquique *	7655	7255	6825	7085	7290	6840	7880	7036
Los Angeles *	8580	8180	7750	8010	8215	7747	8787	7943
Manzanillo (Mex) *	7385	6985	6555	6815	7020	6590	7630	6786
Mazatlan (Mex) *	7675	7275	6845	7100	7305	6910	7950	7106
Nanaimo *	9710	9310	8875	9135	9340	8910	9850	9106
New Westminster *	9729	9320	8890	9150	9355	8925	9965	9076
Portland (Oreg) *	9535	9140	8705	8965	9170	8747	9787	8906
Port Alberni *	9664	9264	8834	9094	9294	8834	9874	9030
Port Isabel *	8269	7869	7439	7699	7899	7482	8492	7635
Port Moody *	9714	9314	8879	9139	9344	8921	9861	9075
Prince Rupert *	9973	9573	9143	9403	9603	9143	10183	9339
Puerto Montt M	9830	9310	8536	8880	9036	8350	9618	8775
Punta Arenas (Ch) M	8872	8359	7576	7921	8076	7391	8658	7815
Puntarenas (CR) *	6140	5740	5310	5570	5770	5310	6350	5506
Salina Cruz *	6830	6429	6050	6260	6460	6000	7040	6196
San Francisco *	8915	8515	8080	8340	8545	8117	9057	8281
San José (Guat) *	6559	6159	5729	5989	6189	5728	6768	5925
Seattle *	9690	9290	8860	9115	9325	8850	9875	9056
Tacoma *	9720	9320	8890	9150	9355	8880	9900	9081
Talcahuano *	8475	8075	7640	7900	8104	7640	8680	7840
Tocopilla *	7735	7335	6905	7165	7370	6858	7898	7106
Valparaiso *	8285	7885	7455	7710	7915	7448	8488	7651
Vancouver (BC) *	9710	9310	8875	9135	9340	8917	9857	9071
Victoria (Vanc Is) *	9640	9240	8810	9070	9275	8845	9885	9006

West Coast of North and South America

AREA H	West Coast of North and South America							
	Southampton	Stockholm	Sunderland	Szczecin (via Kiel Canal)	Teesport	Trondheim	Vaasa	Wlissingen
Antofagasta *	6743	7730	6975	7465	7098	7108	7920	6920
Arica *	6547	7510	6756	7245	6902	6912	7720	6700
Astoria *	8465	9370	8615	9105	8825	8830	9570	8560
Balboa *	4615	5590	4835	5325	4970	4980	5790	4780
Buenaventura *	4945	5940	5185	5675	5324	5385	6140	5130
Cabo Blanco (Peru) *	5427	6402	5647	6137	5782	5792	6602	5592
Caldera *	6945	7920	7165	7655	7300	7310	8120	7110
Callao *	5952	6935	6180	6670	6307	6317	7135	6125
Cape Horn	7220	8413	7588	7932	7585	8086	8649	7388
Chimbote *	5772	6750	5995	6485	6130	6140	6950	5940
Coos Bay *	8195	9185	8435	8920	8570	8629	9385	8375
Corinto *	5313	6271	5516	6003	5668	5678	6417	5461
Eureka *	8115	9045	8295	8780	8470	8480	9245	8235
Guayaquil *	5457	6425	5670	6150	5812	5822	6625	5605
Guaymas *	6997	7959	7204	7697	7352	7362	8159	7149
Honolulu *	9280	10275	9520	10010	9635	9645	10475	9465
Iquique *	6615	7575	6820	7310	6970	6980	7775	6765
Los Angeles *	7522	8502	7750	8235	7872	7887	8701	7650
Manzanillo (Mex) *	6365	7305	6555	7040	6720	6730	7505	6495
Mazatlan (Mex) *	6685	7595	6840	7330	7040	7050	7495	6785
Nanaimo *	8685	9630	8875	9365	9040	9050	9830	8820
New Westminster *	8700	9641	8885	9380	9055	9065	9840	8830
Portland (Oreg) *	8522	9460	8705	9190	8877	8887	9655	8650
Port Alberni *	8609	9584	8829	9319	8964	8976	9754	8774
Port Isabel *	7227	8189	7434	7921	7582	7592	8389	7379
Port Moody *	8696	9634	8879	9364	9051	9061	9829	8819
Prince Rupert *	8918	9893	9138	9628	9273	9283	10093	9083
Puerto Montt M	8156	9349	8525	8868	8520	9022	9585	8320
Punta Arenas (Ch) M	7196	8389	7564	7908	7561	8062	8625	7364
Puntarenas (CR) *	5085	6060	5305	5795	5442	5450	6260	5250
Salina Cruz *	5775	6750	5995	6482	6130	6140	6950	5940
San Francisco *	7892	8835	8080	8570	8247	8257	9035	8025
San José (Guat) *	5503	6479	5724	6211	5855	5868	6679	5669
Seattle *	8615	9610	8855	9345	9000	9036	9815	8800
Tacoma *	8645	9640	8885	9375	9021	9056	9845	8830
Talcahuano *	7415	8395	7640	8130	7770	7780	8594	7584
Tocopilla *	6665	7655	6905	7390	6988	7091	7855	6845
Valparaiso *	7223	8205	7450	7940	7578	7588	8405	7395
Vancouver (BC) *	8692	9630	8875	9360	9047	9075	9825	8815
Victoria (Vanc Is) *	8620	9561	8805	9295	8975	8985	9760	8750

West Coast of North and South America

Area B

Distances between principal ports in the Mediterranean Sea, the Black Sea and the Adriatic

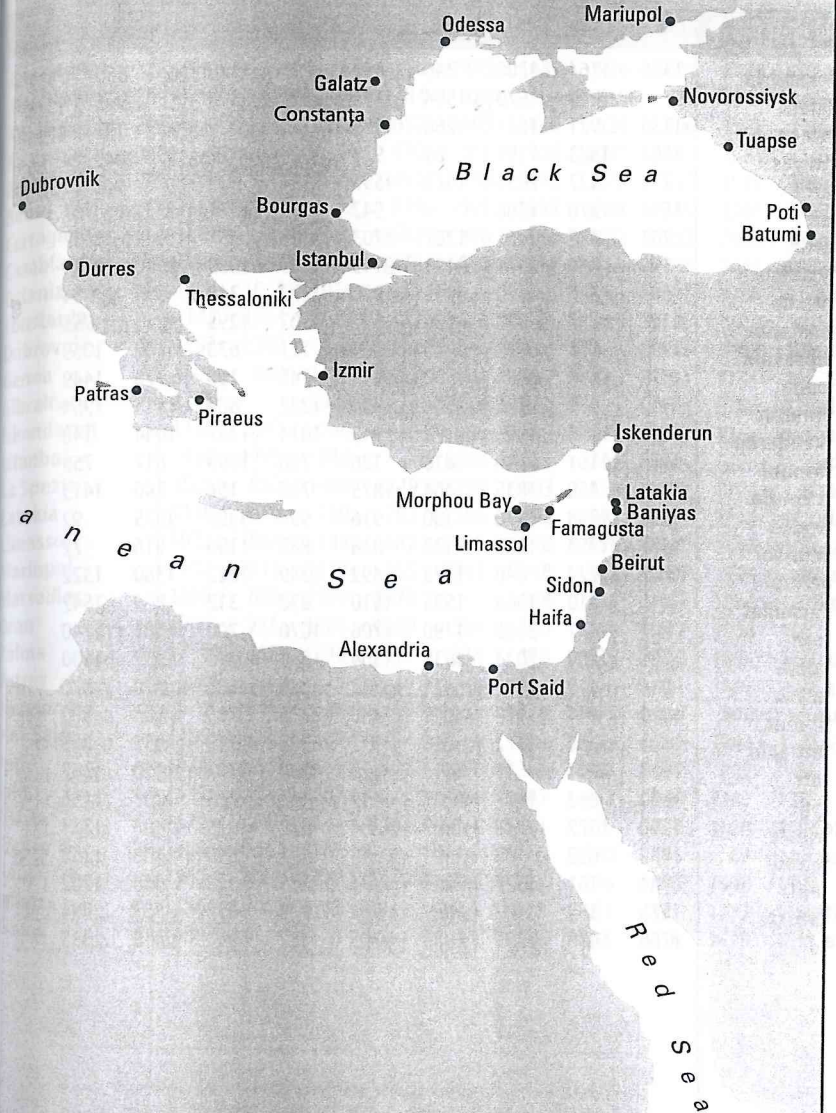
and

- Area B Other ports in the Mediterranean Sea, the Black Sea and the Adriatic.
- Area C The East Coast of North America and Canada (including the Great Lakes and St Lawrence Seaway), the US Gulf and Central America (including the Gulf of Mexico and the Caribbean Sea).
- Area D The East Coast of South America, the Atlantic Islands, and West and East Africa.
- Area E The Red Sea, The Gulf, the Indian Ocean and the Bay of Bengal.
- Area F Malaysia, Indonesia, South East Asia, the China Sea and Japan.
- Area G Australasia, New Guinea and the Pacific Islands.
- Area H The West Coast of North and South America.

AREA B
Reeds Marine Distance Tables
MEDITERRANEAN



AREA B
Reeds Marine Distance Tables
MEDITERRANEAN



AREA B	Algers	Annaba	Batumi	Beirut	Bourgas	Brindisi	Civitavecchia	Durres	Famagusta
Alexandria	1388	1164	1308	340	848	825	1126	856	332
Algers	-	241	1970	1594	1516	874	525	905	1544
Ancona	1139	921	1637	1266	1183	270	824	295	1216
Baniyas	1607	1383	1391	85	931	1009	1322	1040	96
Barcelona	279	377	2055	1673	1595	934	439	965	1629
Beirut	1594	1370	1396	-	942	1000	1314	1031	107
Cartagena	203	427	2163	1787	1703	1063	651	1094	1737
Casablanca	599	826	2573	2191	2119	1469	1069	1500	2141
Catania	644	420	1390	1048	930	277	348	308	984
Constanța	1580	1357	588	1006	126	982	1295	1013	955
Dubrovnik	999	767	1523	1115	1068	121	670	100	1065
Genoa	528	450	1871	1500	1411	745	190	776	1449
Gibraltar	412	639	2386	2004	1926	1282	882	1313	1954
Iskenderun	1612	1388	1396	172	942	1014	1327	1044	140
Istanbul	1384	1161	586	810	126	786	1099	817	759
La Spezia	533	450	1835	1464	1375	709	154	740	1413
Latakia	1592	1368	1376	100	916	994	1307	1025	92
Limassol	1477	1253	1278	132	818	885	1196	916	72
Mariupol	1947	1724	440	1373	492	1349	1662	1380	1322
Marseilles	410	410	1964	1595	1510	838	312	869	1542
Oran	202	437	2166	1790	1706	1070	700	1101	1740
Palma	165	300	2024	1635	1564	896	490	937	1600
Patras	916	692	1192	821	732	239	606	270	770
Piraeus	1070	845	938	645	480	475	785	506	590
Port Said	1503	1280	1372	228	912	928	1233	959	255
Poti	1987	1764	31	1413	629	1389	1702	1420	1362
Split	1080	862	1577	1207	1117	193	765	203	1156
Trieste	1240	1022	1738	1367	1284	372	925	408	1317
Tuapse	1875	1652	185	1301	518	1277	1590	1308	1250
Tunis	384	161	1628	1252	1174	555	323	586	1202
Valletta	575	352	1402	1029	942	365	455	407	994
Venice	1256	1038	1755	1383	1295	387	941	418	1333

AREA B	Galatz	Gibraltar	Haifa	Istanbul	Marseilles	Melilla	Messina	Naples	Novorossiysk	Odessa
Alexandria	1042	1788	292	730	1405	1689	826	1001	1178	1064
Algers	1704	412	1589	1384	410	304	615	579	1840	1726
Ancona	1371	1547	1262	1052	1103	1440	524	700	1507	1393
Baniyas	1125	2027	154	830	1601	1908	1022	1197	1261	1147
Barcelona	1789	515	1674	1493	185	442	675	555	1925	1811
Beirut	1130	2002	72	810	1595	1895	1014	1189	1266	1152
Cartagena	1897	233	1782	1582	458	166	802	753	2033	1919
Casablanca	2207	198	2187	1978	877	324	1210	1166	2443	2329
Catania	1124	1068	1014	811	627	945	48	223	1260	1146
Constanța	143	1964	1012	193	1574	1881	995	1170	402	173
Dubrovnik	1257	1398	1106	891	945	1304	368	549	1293	1279
Genoa	1605	840	1496	1285	201	787	486	334	1741	1627
Gibraltar	2120	-	2000	1775	690	137	1023	979	2256	2142
Iskenderun	1130	2033	240	810	1606	1913	1027	1202	1266	1152
Istanbul	320	1775	816	-	1378	1685	799	974	456	342
La Spezia	1569	863	1460	1249	228	803	450	298	1705	1591
Latakia	1110	2019	169	792	1586	1893	1007	1182	1246	1132
Limassol	1012	1888	144	682	1475	1778	896	1071	1148	1034
Mariupol	533	2315	1379	555	1941	2248	1362	1537	205	450
Marseilles	1698	690	1589	1378	-	618	579	457	1834	1720
Oran	1900	235	1785	1589	534	120	810	772	2036	1922
Palma	1758	460	1638	1417	283	378	639	580	1894	1780
Patras	926	1326	817	620	885	1217	306	481	1062	948
Piraeus	670	1503	640	365	1063	1370	485	660	806	692
Port Said	1106	1908	169	797	1512	1804	929	1108	1242	1122
Poti	626	2361	1419	580	1981	2288	1402	1577	227	550
Split	1311	1488	1202	979	1044	1381	465	640	1447	1333
Trieste	1472	1688	1363	1162	1204	1541	625	800	1608	1494
Tuapse	488	2255	1307	480	1869	2176	1290	1465	63	415
Tunis	1362	800	1247	1049	472	685	296	309	1498	1384
Valletta	1136	1008	1032	811	650	878	153	331	1272	1158
Venice	1489	1687	1379	1166	1220	1558	641	816	1625	1511

AREA B	Port Said	Rijeka	Savona-Vado	Sfax	Sidon	Tarragona	Torreveija	Valencia	Valletta
Alexandria	160	1151	1317	988	318	1507	1560	1554	820
Algiers	1503	1200	511	595	1586	270	192	226	575
Ancona	1190	110	1015	838	1258	1232	1304	1287	630
Baniyas	294	1335	1513	1255	110	1726	1779	1773	1053
Barcelona	1598	1260	338	691	1665	52	202	164	673
Beirut	225	1327	1505	1235	27	1713	1766	1760	1029
Cartagena	1677	1387	601	788	1779	249	43	155	771
Casablanca	2103	1795	1019	1192	2183	668	462	574	1138
Catania	932	603	539	317	1038	763	817	810	114
Constanța	987	1308	1486	1245	998	1699	1752	1746	1007
Dubrovnik	1021	275	872	690	1115	1084	1151	1139	481
Genoa	1415	1071	22	652	1492	399	576	510	586
Gibraltar	1908	1608	832	1005	1996	481	275	387	1008
Iskenderun	375	1340	1518	1260	196	1731	1784	1778	1059
Istanbul	797	1112	1290	1049	802	1503	1556	1550	811
La Spezia	1379	1035	67	626	1456	426	603	537	556
Latakia	308	1320	1498	1240	119	1711	1764	1758	1055
Limassol	206	1210	1387	1116	132	1596	1649	1643	914
Mariupol	1337	1675	1853	1612	1365	2066	2119	2114	1356
Marseilles	1512	1164	187	674	1587	232	423	345	650
Oran	1697	1396	670	791	1782	333	136	239	778
Palma	1531	1247	431	590	1658	127	188	140	606
Patras	743	564	797	586	813	1014	1085	1069	373
Piraeus	590	798	975	734	633	1188	1241	1235	539
Port Said	-	1254	1424	1115	204	1622	1675	1669	925
Poti	1384	1715	1893	1652	1405	2106	2159	2153	1431
Split	1135	165	956	778	1199	1173	1244	1228	589
Trieste	1297	110	1116	939	1359	1333	1402	1388	727
Tuapse	1277	1603	1781	1540	1293	1994	2047	2041	1315
Tunis	1159	881	472	252	1244	519	560	543	238
Valletta	925	691	604	233	1052	698	750	749	-
Venice	1298	129	1132	955	1375	1349	1421	1404	746

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	Alexandria	Algiers	Ancona	Barcelona	Beirut	Bourgas	Brindisi	Cagliari
Baie Comeau	4600	3210	4340	3330	4825	4725	4080	3510
Baltimore	5235	3845	4975	3965	5460	5360	4715	4145
Boston	4735	3345	4475	3465	4960	4860	4215	3645
Cartagena (Col)	5915	4525	5655	4645	6145	6040	5395	4825
Charleston	5360	3970	5100	4090	5585	5485	4840	4270
Churchill	5480	4096	5201	4373	5698	5580	4936	4404
Cienfuegos	6090	4700	5830	4820	6315	6215	5570	5000
Colón	6130	4740	5870	4860	6355	6255	5610	5040
Curaçao	5550	4165	5295	4285	5780	5670	5035	4465
Duluth-Superior (^)	6120	4730	5860	4850	6345	6245	5600	5030
Freeport (Bahamas)	5463	4079	5184	4156	5681	5563	4919	4387
Galveston	6600	5210	6340	5330	6825	6725	6080	5510
Georgetown (G)	5174	3790	4895	3867	5392	5274	4630	4098
Halifax	4415	3025	4155	3145	4640	4540	3895	3325
Havana	5910	4520	5650	4640	6135	6035	5390	4820
Jacksonville	5540	4150	5280	4270	5765	5665	5020	4450
Key West	5850	4460	5590	4580	6075	5975	5330	4760
Kingston (Jamaica)	5765	4375	5505	4495	5995	5890	5245	4675
La Guaiara	5465	4075	5205	4195	5695	5590	4945	4375
Maracaibo	5735	4351	5456	4428	5953	5835	5191	4659
Mobile	6360	4970	6100	5090	6585	6485	5840	5270
Montreal	4950	3560	4690	3680	5175	5075	4430	3860
New Orleans	6410	5020	6150	5140	6635	6535	5890	5320
New York	4935	3545	4675	3665	5160	5060	4415	3845
Norfolk (Va)	5105	3720	4845	3835	5335	5220	4590	4050
Nuevitas	5615	4230	5355	4345	5845	5730	5100	4560
Philadelphia	5085	3695	4825	3810	5310	5210	4565	3995
Port-au-Prince	5665	4275	5405	4395	5890	5790	5145	4575
Portland (Maine)	4715	3325	4455	3445	4940	4840	4195	3625
Port of Spain	5250	3860	4990	3980	5475	5375	4730	4160
Puerto Limón	6280	4890	6020	5010	6515	6405	5760	5190
St John (NB)	4645	3255	4480	3375	4870	4770	4125	3555
St John's (NF)	3990	2600	3730	2720	4215	4115	3470	2900
San Juan (PR)	5156	3772	4877	3849	5374	5256	4612	4080
Santiago de Cuba	5690	4300	5530	4420	5915	5815	5170	4600
Santo Domingo	5390	4000	5130	4120	5715	5515	4870	4300
Tampa	6040	4650	5780	4770	6265	6165	5520	4950
Tampico	6740	5350	6480	5470	6965	6865	6120	5650
Veracruz	6700	5310	6440	5430	6925	6825	6180	5610
Wilmington (NC)	5356	3972	5077	4049	5574	5456	4812	4280

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	AREA B							
	Casablanca	Constanza	Dubrovnik	Durres	Genoa	Gibraltar	Haifa	Iskenderun
Baie Comeau	2806	4775	4260	4180	3655	2810	4825	4885
Baltimore	3427	5410	4985	4815	4290	3445	5460	5520
Boston	3008	4910	4395	4315	3790	2945	4960	5020
Cartagena (Col)	4018	6090	5575	5490	4970	4125	6140	6200
Charleston	3512	5535	5020	4940	4415	3570	5585	5645
Churchill	3907	5693	5044	4957	4534	3657	5685	5676
Cienfuegos	3984	6265	5750	5670	5145	4300	6315	6375
Colón	4194	6305	5790	5710	5185	4340	6355	6415
Curaçao	3572	5730	5215	5135	4610	3765	5780	5840
Duluth-Superior (^)	4326	6295	5780	5700	5175	4330	6345	6405
Freeport (Bahamas)	3636	5676	5027	4940	4517	3640	5668	5659
Galveston	4596	6775	6260	6180	5665	4810	6825	6885
Georgetown (G)	3247	5387	4738	4651	4228	3351	5379	5370
Halifax	2658	4590	4075	3995	3470	2625	4640	4700
Havana	3873	6085	5570	5490	4965	4120	6135	6195
Jacksonville	3696	5715	5200	5120	4595	3750	5765	5825
Key West	3828	6025	5510	5430	4905	4060	6075	6135
Kingston (Jamaica)	3788	5940	5425	5345	4820	3975	5990	6050
La Guiara	3531	5640	5125	5045	4520	3675	5690	5750
Maracaibo	3765	5948	5297	5212	4789	3912	5940	5931
Mobile	4359	6535	6020	5940	5415	4570	6585	6645
Montreal	3156	5197	4625	4540	4037	3160	5190	5250
New Orleans	4412	6585	6070	5990	5465	4620	6635	6695
New York	3160	5110	4595	4515	3990	3145	5160	5220
Norfolk (Va)	3329	5260	4755	4675	4150	3305	5320	5380
Nuevitas	3600	5852	5280	5195	4692	3815	5845	5905
Philadelphia	3320	5260	4745	4665	4140	3295	5310	5370
Port-au-Prince	3649	5840	5325	5245	4720	3875	5890	5950
Portland (Maine)	2963	4890	4375	4295	3770	2925	4940	5000
Port of Spain	3294	5425	4910	4830	4305	3460	5475	5535
Puerto Limón	4345	6455	5945	5860	5335	4490	6505	6565
St John (NB)	2923	4820	4305	4225	3700	2855	4870	4930
St John's (NF)	2203	4165	3650	3570	3045	2200	4215	4275
San Juan (PR)	3249	5369	4720	4633	4210	3333	5361	5352
Santiago de Cuba	3655	5865	5350	5270	4745	3900	5915	5975
Santo Domingo	3437	5565	5050	4970	4445	3600	5615	5675
Tampa	4120	6215	5700	5620	5095	4250	6265	6325
Tampico	4720	6915	6400	6320	5795	4950	6965	7025
Veracruz	4680	6875	6360	6280	5755	4910	6925	6985
Wilmington (NC)	3424	5569	4920	4833	4410	3533	5561	5552

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AREA C	AREA B							
	Istanbul	Izmir	Mariupol	Marseilles	Messina	Morphou Bay	Naples	Novorossiysk
Baie Comeau	4585	4425	5125	3490	3810	5355	3770	5030
Baltimore	5220	5060	5760	4125	4445	4855	4405	5665
Boston	4720	4560	5260	3625	3945	4720	3905	5165
Cartagena (Col)	5900	5740	6440	4805	5125	6035	5085	6345
Charleston	5345	5185	5885	4250	4570	5480	4530	5790
Churchill	5500	5341	6014	4369	4703	5567	4639	5943
Cienfuegos	6075	5915	6615	4980	5300	6210	4260	6520
Colón	6115	5955	6650	5020	5340	6250	5300	6560
Curaçao	5540	5380	6080	4445	4765	5675	4725	5985
Duluth-Superior (^)	6105	5945	6645	5010	5330	6240	5290	6550
Freeport (Bahamas)	5483	5324	5997	4352	4686	5550	4622	5926
Galveston	6585	6425	7125	5490	5810	6720	5770	7030
Georgetown (G)	5194	5035	5708	4063	4397	5261	4333	5637
Halifax	4400	4240	4940	3305	3625	4535	3585	4845
Havana	5895	5735	6435	4800	5120	6030	5080	6340
Jacksonville	5525	5365	6065	4430	4750	5660	4710	5970
Key West	5835	5675	6375	4740	5060	5970	5020	6280
Kingston (Jamaica)	5750	5590	6290	4655	4975	5885	4935	6195
La Guiara	5450	5290	5990	4355	4675	5585	4635	5895
Maracaibo	5755	5596	6269	4624	4958	5822	4894	6198
Mobile	6345	6185	6885	5250	5570	6480	5530	6790
Montreal	4935	4775	5475	3840	4160	5070	4120	5380
New Orleans	6395	6235	6935	5300	5620	6530	5580	8840
New York	4920	4760	5460	3825	4145	5055	4105	5365
Norfolk (Va)	5080	4920	5620	3985	4305	5216	4265	5525
Nuevitas	5156	5497	6175	4525	4859	5723	4795	6099
Philadelphia	5070	4910	5610	3975	4295	5205	4255	5515
Port-au-Prince	5650	5490	6190	4555	4875	5785	4835	6095
Portland (Maine)	4700	4540	5240	3605	3925	4835	3885	5145
Port of Spain	5235	5075	5775	4140	4460	5370	4420	5680
Puerto Limón	6265	6105	6805	5170	5490	6400	5450	6710
St John (NB)	4630	4470	5170	3535	3855	4765	3815	5075
St John's (NF)	3975	3815	4515	2880	3200	4110	3160	4420
San Juan (PR)	5176	5017	5690	4045	4379	5243	4315	5619
Santiago de Cuba	5675	5515	6215	4580	4900	5810	4860	6120
Santo Domingo	5375	5215	5915	4280	4600	5510	4560	5820
Tampa	6025	5865	6565	4930	5250	6160	5210	6470
Tampico	6725	6565	7265	5630	5950	6860	5910	7170
Veracruz	6685	6525	7225	5590	5910	6820	5870	7130
Wilmington (NC)	5376	5217	5890	3245	4579	5443	4515	5819

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AREA C	Odessa	Palermo	Piraeus	Port Said	Poti	Rijeka	Sfax	Siracusa
Baie Comeau	4930	3700	4310	4710	5180	4450	3750	3900
Baltimore	5565	4335	4945	5345	5815	5085	4385	4535
Boston	5065	3835	4445	4845	5315	4585	3885	4035
Cartagena (Col)	6245	5015	5625	6025	6495	5765	5065	5215
Charleston	5690	4460	5070	5470	5940	5210	4510	4660
Churchill	5843	4592	5179	5599	6057	5432	4737	4887
Cienfuegos	6420	5190	5800	6200	6670	5940	5240	5390
Colón	6460	5230	5840	6240	6710	5980	5280	5430
Curaçao	5885	4655	5265	5665	6135	5405	4705	4855
Duluth-Superior (^)	6450	5220	5830	6230	6700	5970	5270	5420
Freeport (Bahamas)	5826	4575	5162	5582	6040	5305	4720	4870
Galveston	6930	5700	6310	6710	7180	6450	5750	5900
Georgetown (G)	5537	4286	4873	5293	5751	5016	4431	4581
Halifax	4745	3515	4125	4525	4995	4265	3565	3715
Havana	6240	5010	5620	6020	6490	5760	5060	5210
Jacksonville	5870	4640	5250	5650	6120	5390	4690	4840
Key West	6180	4950	5560	5960	6430	5700	5000	5150
Kingston (Jamaica)	6095	4865	5475	5875	6345	5615	4915	5065
La Guaiara	5795	4565	5175	5575	6045	5315	4615	4765
Maracaibo	6098	4847	5434	5854	6312	5577	4992	5142
Mobile	6690	5460	6070	6470	6940	6210	5510	5660
Montreal	5280	4050	4660	5060	5530	4800	4100	4250
New Orleans	6740	5510	6120	6520	6990	6260	5560	5710
New York	5265	4035	4645	5045	5515	4785	4075	4235
Norfolk (Va)	5425	4195	4805	5205	5675	4945	4245	4395
Nuevitas	5999	4748	5335	5755	6213	5478	4893	5043
Philadelphia	5415	4185	4795	5195	5665	4935	4235	4385
Port-au-Prince	5995	4765	5375	5775	6245	5515	4815	4965
Portland (Maine)	5045	3815	4425	4825	5295	4565	3865	4015
Port of Spain	5580	4350	4960	5360	5830	5100	4400	4550
Puerto Limón	6610	5380	5990	6390	6860	6130	5430	5580
St John (NB)	4975	3745	4355	4755	5225	4495	3795	3945
St John's (NF)	4320	3090	3700	4100	4570	3840	3140	3290
San Juan (PR)	5519	4268	4855	5275	5733	4998	4413	4563
Santiago de Cuba	6020	4790	5400	5800	6270	5540	4840	4900
Santo Domingo	5720	4490	5100	5500	5970	5240	4540	4690
Tampa	6370	5140	5750	6150	6620	5890	5190	5340
Tampico	7070	5840	6450	6850	7320	6590	5890	6040
Veracruz	7030	5800	6410	6810	7280	6550	5850	6000
Wilmington (NC)	5719	4468	5055	5475	5933	5198	4613	4763

^Special section on page 209 devoted to the St Lawrence Seaway and the Great Lakes.

AREA C	Tarabulus (Libya)	Taranto	Thessaloniki	Trieste	Tunis	Valencia	Vajetta	Venice
Baie Comeau	3900	4040	4520	4485	3575	3190	3780	4475
Baltimore	4535	4675	5155	5120	4210	3825	4415	5110
Boston	4035	4175	4655	4620	3710	3325	3915	4610
Cartagena (Col)	5215	5355	5835	5800	4890	4505	5095	5790
Charleston	4660	4800	5280	5245	4335	3950	4540	5235
Churchill	4795	5027	5370	5367	4476	4070	4664	5374
Cienfuegos	5390	5530	6010	5975	5065	4680	5270	5965
Colón	5430	5570	6050	6015	5105	4720	5310	6005
Curaçao	4855	4995	5475	5440	4530	4145	4735	5430
Duluth-Superior (^)	5420	5560	6040	6005	5095	4710	5300	5995
Freeport (Bahamas)	4778	4870	5353	5351	4459	4053	4647	5357
Galveston	5900	6040	6520	6485	5575	5190	5780	6475
Georgetown (G)	4489	4581	5064	5061	4170	3794	4358	5068
Halifax	3715	3855	4335	4300	3390	3005	3595	4290
Havana	5210	5350	5830	5795	4885	4500	5090	5785
Jacksonville	4840	4980	5460	5425	4515	4130	4720	5415
Key West	5150	5290	5770	5735	4825	4440	5030	5725
Kingston (Jamaica)	5065	5205	5885	5650	4740	4355	4945	5640
La Guaiara	4765	4905	5385	5350	4440	4055	4645	5340
Maracaibo	5050	5142	5625	5622	4731	4325	4919	5629
Mobile	5660	5800	6280	6245	5335	4950	5540	6235
Montreal	4250	4390	4870	4835	3925	3540	4130	4825
New Orleans	5710	5850	6330	6295	5285	5000	5590	6285
New York	4235	4375	4855	4820	3910	3525	4115	4810
Norfolk (Va)	4395	4535	5015	4980	4070	3685	4275	4970
Nuevitas	4951	5043	5526	5523	4632	4226	4820	5530
Philadelphia	4385	4525	5005	4970	4060	3675	4265	4960
Port-au-Prince	4965	5105	5585	5550	4640	4255	4845	5540
Portland (Maine)	4015	4155	4635	4600	3690	3305	3895	4590
Port of Spain	4550	4690	5170	5135	4225	3840	4430	5125
Puerto Limón	5580	5720	6200	6165	5255	4870	5460	6155
St John (NB)	3945	4085	4565	4530	3620	3235	3825	4520
St John's (NF)	3290	3430	3910	3875	2965	2580	3170	3865
San Juan (PR)	4471	4563	5046	5043	4152	3746	4340	5050
Santiago de Cuba	4990	5130	5610	5575	4665	4280	4870	5565
Santo Domingo	4690	4830	5310	5275	4365	3980	4570	5265
Tampa	5340	5480	5960	5925	5015	4630	5220	5915
Tampico	6040	6180	6660	6625	5715	5330	5920	6615
Veracruz	6000	6140	6620	6585	5675	5290	5880	6575
Wilmington (NC)	4671	4763	5246	5243	4352	3946	4540	5250

70 REEDS MARINE DISTANCE TABLES

^Special section on page 214 devoted to distances within the Plate, Parana and Uruguay rivers.

AREA D	AREA B							
	Alexandria	Algiers	Ancona	Barcelona	Beirut	Bourgas	Brindisi	Cagliari
Azores (Pt Delgada)	2787	1403	2509	1635	3005	2913	2269	1737
Bahia Blanca	7290	5906	7009	5985	7510	7508	6864	6332
Beira †	4146	5490	5183	5590	4220	4902	4918	5240
Belem	5114	3730	4834	3800	5330	5228	4584	4052
Buenos Aires (Λ)	7115	5731	6834	5810	7335	7288	6635	6110
Cape Horn	8209	6825	7930	6903	8428	8300	7666	7134
Cape Town	5517†	5574	6629	5600	5590†	6273†	6289	5937
Conakry	3759	2375	3480	2432	3957	3839	3195	2663
Dakar	3310	1926	3029	2005	3530	3439	2849	2317
Dar es Salaam †	3303	4648	4340	4747	3377	4059	4075	4397
Diego Suarez †	3396	4740	4433	4840	3470	4152	4168	4490
Douala	5291	3907	5012	3983	5508	5490	4746	4214
Durban	4723†	6067†	5760†	6375	4795†	5479†	5495†	5817†
East London	4986†	6047C	6024†	6125	5060†	5742†	5758†	6060†
Lagos	4923	3539	4644	3615	5140	5203	4559	4025
Las Palmas	2504	1120	2224	1195	2720	2638	1994	1462
Lobito	5818	4434	5539	4510	6035	5918	5275	4742
Luanda	5721	4337	5442	4353	5878	5760	5125	4584
Madeira	2414	1030	2134	1105	2630	2533	1889	1357
Maputo †	4504	5848	5540	5950	4580	5260	5276	5598
Mauritius †	4293	5237	4930	5337	3967	4649	4665	4987
Mogadiscio †	2619	3980	3660	4040	2720	3425	3460	3715
Mombasa †	3164	4508	4201	4610	3240	3920	3936	4258
Monrovia	4023	2639	3744	2781	4306	4188	3544	3012
Montevideo	7015	5631	6734	5710	7235	7168	6525	5990
Mozambique I †	3678	5022	4715	5122	3752	4434	4450	4772
Port Elizabeth	5115†	6459†	6152†	6003	5190†	5871†	5887†	6209
Port Harcourt	5163	3779	4884	3901	5426	5308	4664	4132
Porto Alegre	6874	5490	6595	5601	7125	7008	6365	5835
Recife	4948	3564	4669	3640	5165	5073	4429	3897
Réunion Island	3872†	5216	4909	5316	3946	4628†	4644†	4966†
Rio de Janeiro	6013	4629	5734	4705	6230	6158	5514	4982
Salvador	5358	3974	5060	4051	5575	5458	4814	4282
Santos	6201	4817	5922	4895	6420	6330	5689	5157
Sao Vicente Island	3383	1999	3104	2070	3600	3463	2820	2287
Takoradi	4656	3272	4379	3350	4875	4810	4165	3632
Tema	4723	3339	4444	3415	4940	4908	4264	3732
Tramandai	6724	5340	6445	5451	6976	6860	6203	5680
Vitoria (Brazil)	5747	4363	5468	4501	6026	5908	5264	4730
Walvis Bay	6183	4799	5904	4875	6400	6490	4834	5312

REEDS MARINE DISTANCE TABLES 71

^Special section on page 214 devoted to distances within the Plate, Parana and Uruguay rivers.

AREA D	AREA B							
	Casablanca	Constanta	Dubrovnik	Durrës	Genoa	Gibraltar	Haifa	Iskenderun
Azores (Pt Delgada)	915	3000	2375	2290	1840	990	2990	2981
Bahia Blanca	5410	7505	6972	6887	6345	5585	7495	7486
Beira	6375C	4990†	6538†	6453†	5420†	5960†	4160†	4336†
Belem	3110	5325	4692	4607	4170	3305	5320	5311
Buenos Aires (Λ)	5135	7330	6750	6665	6170	5365	7320	7311
Cape Horn	6215	8422	7775	7690	7264	6387	8415	8406
Cape Town	4890	6360†	6383†	6298†	5960	5190	5530†	5736†
Conakry	1750	3972	3303	3218	2793	1916	3944	3935
Dakar	1335	3525	2957	2872	2365	1570	3515	3506
Dar es Salaam †	5216	4146	6073	5985	4476	5050	3315	3523
Diego Suarez †	5316	4239	6173	6085	4669	5150	3510	3616
Douala	3301	5504	4854	4769	4344	3467	5495	5486
Durban	5685C	5565†	5588†	5503†	5993†	6030C	4735†	4941†
East London	5430C	5830†	6768†	6683†	6260†	5745C	5000†	5216†
Lagos	2935	5135	4667	4582	3975	3280	5130	5121
Las Palmas	510	2715	2102	2017	1560	715	2710	2701
Lobito	3830	6030	5382	5297	4870	3995	6025	6016
Luanda	3671	5934	5224	5139	4715	3837	5865	5856
Madeira	475	2625	1997	1912	1470	610	2630	2621
Maputo †	5980C	5345†	5373†	5288†	5775†	6330C	4520†	4725†
Mauritius †	5815	4736	4760	4675	5166	5650	3907	4113
Mogadiscio †	4556	3480	3510	3425	3930	4390	2625	2860
Mombasa †	5115	4005	4033	3948	4335	4950	3180	3386
Monrovia	2099	4236	3652	3567	3142	2265	4293	4284
Montevideo	5005	7230	6632	6547	6070	5245	7220	7211
Mozambique I †	5626	4521	4545	4460	4951	5460	3692	3893
Port Elizabeth	5310C	5960†	5983†	5898†	6365	5610C	5130†	5335†
Port Harcourt	3219	5376	4772	4687	4262	3385	5413	5404
Porto Alegre	4855	7087	6472	6387	5962	5085	7113	7104
Recife	2940	5160	4537	4452	4000	3150	5155	5146
Réunion Island †	5824	4715	4739	4654	5145	5658	3886	4092
Rio de Janeiro	4005	6225	5622	5537	5065	4235	6220	6211
Salvador	3346	5552	4922	4837	4410	3535	5563	5554
Santos	4190	6415	5797	5712	5255	4410	6405	6396
Sao Vicente Island	1385	3595	2927	2842	2417	1540	5325	5316
Takoradi	2605	4870	4273	4188	3710	2885	4860	4851
Tema	2820	4935	4372	4287	3775	2985	4930	4921
Tramandai	4705	6937	6320	6235	5812	4935	6965	6956
Vitoria (Brazil)	3796	5960	5372	5287	4862	3985	6013	6004
Walvis Bay	4260	6395	5950	5865	5235	4565	6390	6381

^Special section on page 214 devoted to distances within the Plate, Parana and Uruguay rivers.

AREA D	AREA B							
	Istanbul	Izmir	Mariupol	Marseilles	Messina	Morphou Bay	Naples	Novorossiysk
Azores (Pt Delgada)	2805	2674	3345	1675	2036	2900	1945	3259
Bahia Blanca	7310	7269	7850	6180	6631	7495	6450	7764
Beira †	4795	4622	5335	5515	4932	3265	5105	5249
Belem	5135	4989	5675	4005	4350	5215	4275	5589
Buenos Aires (^)	7135	7050	7675	6005	6410	7275	6275	7589
Cape Horn	8230	8071	8770	7100	7433	8297	7386	8684
Cape Town	6165†	5992†	6705†	5795	6236	5635†	6065	6620†
Conakry	3759	3600	4299	2628	2962	3826	2915	4203
Dakar	3330	3254	3870	2200	2616	3480	2470	3784
Dar es Salaam †	3953	3780	4493	4671	4089	4322	4267	4407
Diego Suarez †	4046	3872	4586	4764	4182	3513	4260	4500
Douala	5310	5151	5850	4179	3513	5377	4466	5764
Durban	5375	5197	5915	6090	5507	4840	5685	5828
East London	5635	5462	6175	6355	5772	5105	5945	6090
Lagos	4945	4964	5485	3810	4325	5190	4080	5400
Las Palmas	2525	2399	3065	1395	1761	2625	1665	2979
Lobito	5840	5680	6380	4705	5040	5905	4975	6295
Luanda	5680	5521	6220	4549	4883	5747	4836	6134
Madeira	2435	2294	2975	1300	1656	2520	1575	2888
Maputo †	5155	4982	5695	5870	5292	4625	5465	5620
Mauritius †	4543	4369	5083	5261	4679	4012	4857	4997
Mogadiscio †	3295	3110	3835	4000	3400	2740	3580	3730
Mombasa †	3815	3645	4355	4530	3952	3285	4125	4270
Monrovia	4108	3950	4648	2977	3311	4175	3264	4662
Montevideo	7035	6929	7575	5905	6291	7155	6175	7489
Mozambique I †	4328	4154	4868	5046	4464	3797	4642	4782
Port Elizabeth	5765†	5590†	6305†	6200	5902†	5235†	6470C	6220†
Port Harcourt	5228	5069	5763	4097	4431	5295	4384	5682
Porto Alegre	6930	6770	7470	5797	6131	6995	6084	7384
Recife	4970	4834	5510	3835	4206	5060	4105	5425
Réunion Island †	4522	4348	5062	5240	4658	3991	4836	4976
Rio de Janeiro	6035	5920	6575	4900	5281	6145	5170	6489
Salvador	5378	5219	5918	4245	4585	5445	4534	5832
Santos	6220	6095	6760	5090	5456	6320	5360	6674
Sao Vicente Island	3335	3224	3945	2270	2586	3450	2540	3859
Takoradi	4675	4569	5215	3545	3931	4795	3815	5130
Tema	4745	4669	5285	3610	4031	4895	3880	5199
Tramandai	6780	6620	7320	5647	5981	6845	5934	7234
Vitoria (Brazil)	5828	5670	6568	4697	5030	5900	4984	6282
Walvis Bay	6205	6249	6745	5070	5611	6475	5342	6659

^Special section on page 214 devoted to distances within the Plate, Parana and Uruguay rivers.

AREA D	AREA B							
	Odessa	Palermo	Piraeus	Port Said	Poti	Rijeka	Sfax	Siracusa
Azores (Pt Delgada)	3150	1925	2485	2905	3388	2630	2070	2090
Bahia Blanca	7655	6520	6990	7410	7893	7130	6665	6685
Beira †	5140	5049	4580	3990	5378	5260	5165	4890
Belem	4575	4240	4815	5235	5720	4955	4385	4405
Buenos Aires (^)	7480	6310	6815	7235	7718	6955	6445	6465
Cape Horn	8573	7322	7909	8322	8813	8052	7467	7487
Cape Town	6510†	6125†	5950†	5360†	6750†	6630†	6270	6290
Conakry	4102	2851	3438	3851	4342	3581	2996	3016
Dakar	3675	2505	3010	3430	3915	3150	2650	2670
Dar es Salaam †	4296	4206	3744	3147	4536	4416	4322	4047
Diego Suarez †	4389	4299	3837	3240	4629	4509	4415	4140
Douala	5653	4402	4989	5402	5893	5132	4547	4567
Durban †	5715	5624	5160	4565	5958	5835	5740	5465
East London †	5980	5889	5420	4830	6220	6100	6005	5730
Lagos	5285	4215	4620	5040	5528	4765	4360	4380
Las Palmas	2865	1650	2200	2625	3108	2345	1795	1815
Lobito	6180	4930	5525	5935	6423	5660	5075	5095
Luanda	6023	4772	5359	5772	6263	5500	4917	4937
Madeira	2775	1545	2115	2535	3018	2255	1690	1710
Maputo †	5445	5409	4940	4350	5738	5615	5525	5250
Mauritius †	4886	4796	4334	3737	5125	5006	4912	4637
Mogadiscio †	3640	3530	3070	2480	3890	3725	3655	3380
Mombasa †	4155	4069	3600	3010	4397	4275	4185	3910
Monrovia	4451	3200	3787	4200	4691	3930	3345	3365
Montevideo	7380	6180	6715	7135	7618	6855	6325	6345
Mozambique I †	4671	4581	4119	3522	4910	4791	4697	4422
Port Elizabeth †	6110†	6019	5950	4960	6350	6230	6135	5860
Port Harcourt	5770	4320	4907	5320	5811	5050	4465	4485
Porto Alegre	7273	6020	6607	7020	7513	7750	6165	6185
Recife	5310	4085	4645	5065	5553	4790	4230	4195
Réunion Island †	4865	4775	4313	3716	5105	4985	4891	4616
Rio de Janeiro	6375	5170	5710	6130	6618	5855	5315	5335
Salvador	5721	4470	5057	5470	5961	5200	4615	4635
Santos	6565	5345	5900	6320	6803	6045	5490	5510
Sao Vicente Island	3745	2478	3080	3465	3988	3225	2620	2640
Takoradi	5020	3820	4355	4775	5258	4500	3965	3985
Tema	5085	3920	4420	4840	5328	4565	4065	4085
Tramandai	7123	5870	6457	6870	7363	6600	6015	6035
Vitoria (Brazil)	6171	4920	5507	5920	6411	5650	5065	5085
Walvis Bay	6545	5500	5880	6050	6788	6025	5645	5665

^Special section on page 214 devoted to distances within the Plate, Parana and Uruguay rivers.

AREA D	AREA B							
	Tarabulus (Libya)	Taranto	Thessaloniki	Trieste	Tunis	Valencia	Valletta	Venice
Azores (Pt Delgada)	2128	3220	2695	2675	1785	1375	1970	2680
Bahia Blanca	6723	6815	7195	7175	6285	5880	6475	7185
Beira †	4984	4930	4740	5295	5145	5685	4940	5305
Belem	4443	4635	5020	5000	4110	3705	4300	5010
Buenos Aires (^)	6503	6695	7020	7000	6110	5705	6300	7010
Cape Horn	7525	7717	8100	7960	7206	6800	7394	8104
Cape Town	6328	6520	6110†	6665†	5900	5495	6090	6675†
Conakry	3053	3246	3629	3626	2735	2329	2923	3633
Dakar	2708	2900	3215	3195	2305	1900	2445	3205
Dar es Salaam †	4141	4087	3887	4453	4302	4813	4086	4460
Diego Suarez †	4234	4180	3980	4546	4395	4911	4179	4553
Douala	4505	4797	5180	5177	4286	3880	4474	5184
Durban †	5559	5505	5315	5875	5720	6260	5515	5880
East London †	5824	5770	5580	6135	5985	6525	5780	6145
Lagos	4418	4610	4830	4810	3920	3515	4105	4815
Las Palmas	1853	2045	2410	2390	1500	1095	1690	2400
Lobito	5133	5325	5725	5705	4815	4410	5000	5710
Luanda	4975	5167	5550	5525	4656	4250	4844	5554
Madeira	1748	1940	2320	2300	1410	1005	1600	2310
Maputo †	5344	5290	5100	5655	5505	6045	5300	5660
Mauritius †	4731	4677	4477	5043	4592	5408	4676	5050
Mogadiscio †	3480	3436	3230	3760	3670	4175	3430	3755
Mombasa †	4004	3950	3760	4310	4165	4705	3960	4325
Monrovia	3403	3595	3978	3975	3084	2678	3272	3982
Montevideo	6383	6775	6920	6900	6010	5605	6200	6910
Mozambique I †	4516	4462	4262	4828	4677	5193	4461	4835
Port Elizabeth	5954†	5900	5710†	6265†	6115†	5900C	6495C	6270†
Port Harcourt	4523	4715	5098	5095	4204	3798	4392	5102
Porto Alegre	6223	6415	6798	6795	5904	5498	6092	6802
Recife	4288	4480	4855	4835	3945	3540	4130	4840
Réunion Island †	4710	4656	4456	5022	4871	5387	4655	5029
Rio de Janeiro	5373	5565	5920	5900	5010	4605	5200	5910
Salvador	4673	4865	5248	5245	4354	3948	4542	5252
Santos	5548	5740	6110	6090	5195	4790	5385	6095
Sao Vicente Island	2678	2870	3290	3270	2380	1975	2548	3275
Takoradi	4023	4215	4565	4545	3650	3246	3840	4550
Tema	4123	4215	4630	4610	3720	3315	3905	4615
Tramandai	6073	6265	6648	6645	5754	5348	5942	6652
Vitoria (Brazil)	5123	5315	5698	5695	4804	4398	4992	5702
Walvis Bay	5705	5895	6090	6070	5180	4775	5365	6075

Coast of South America, Atlantic Islands, E and W Africa

All distances on this page via the Suez Canal.

AREA E	AREA B							
	Alexandria	Algiers	Ancona	Barcelona	Beirut	Bourgas	Brindisi	Cagliari
Abadan	3470	4819	4498	4905	3535	4217	4252	4555
Aden	1539	2900	2580	2960	1640	2345	2380	2635
Aqaba	546	1894	1573	1980	610	1292	1329	1630
Bahrain	3297	4646	4325	4732	3362	4044	4081	4382
Bandar Abbas	2993	4342	4021	4428	3058	3740	3777	4078
Basrah	3535	4885	4564	4971	3601	4283	4320	4621
Bassein	4824	6185	5865	6245	4945	5630	5680	5885
Bhavnagar	3277	4626	4305	4712	3342	4029	4066	4362
Bushehr	3189	4550	4230	4610	3310	3995	4030	4405
Chennai	4214	5575	5255	5635	4335	5020	5057	5310
Chittagong	4979	6340	6020	6400	5100	5785	5920	5975
Cochin	3290	4639	4318	4725	3355	4037	4074	4375
Colombo	3639	5000	4680	5060	3760	4445	4480	4635
Djibouti	1537	2898	2578	2958	1605	2343	2378	2533
Dubai	3071	4420	4099	4506	3136	3818	3855	4156
Fujairah	2905	4254	3933	4340	2970	3652	3689	3990
Heddah	888	2263	1943	2323	952	1638	1675	1968
Karachi	3014	4375	4055	4435	3135	3820	3855	4010
Kolkata	4889	6250	5930	6310	5010	5695	5730	5885
Kuwait	3457	4806	4485	4892	3522	4204	4241	4542
Malacca	5071	5420	6099	6506	5136	5818	5855	6156
Mangalore	3285	4634	4313	4720	3350	4032	4069	4370
Massawa	1222	2583	2263	2643	1271	1958	1995	2290
Mina al Ahmadi	3437	4786	4465	4872	3502	4184	4221	4522
Mongla	4858	6207	5886	6293	4923	5605	5642	5943
Mormugao	3239	4600	4280	4660	3360	4045	4080	4235
Moulmein	4909	6270	5950	6330	5030	5715	5752	5905
Mumbai	3209	4570	4250	4630	3330	4015	4052	4305
Musay'ud	3242	4591	4270	4677	3307	3989	4022	4327
Penang	4914	6275	5955	6335	5035	5720	5757	5910
Port Blair	4505	5855	5534	5941	4571	5253	5290	5591
Port Kelang	4980	6329	6008	6415	5045	5727	5764	6065
Port Okha	3038	4387	4066	4473	3103	3785	3822	4123
Port Sudan	954	2298	1978	2358	1018	1700	1737	2038
Ruseir	492	1853	1533	1913	560	1238	1275	1574
Sangoon	4899	6260	5940	6320	5020	5705	5742	5895
Singapore	5204	6565	6245	6625	5325	6010	6047	6200
Sittwe	4880	6240	5920	6300	5000	5685	5722	5875
Suez	253	1588	1268	1648	318	1000	1038	1338
Trincomalee	3920	5269	4948	5355	3985	4667	4704	5005
Peraval	3096	4445	4124	4531	3161	3843	3880	4181
Tirshakhatnam	4454	5803	5482	5889	4519	5201	5238	5539

Red Sea, The Gulf, Indian Ocean and Bay of Bengal

All distances on this page via the Suez Canal.

AREA E	Casablanca	Constanta	Dubrovnik	Durres	Genoa	Gibraltar	Haifa	Iskenderun
Abadan	5406	4304	4328	4250	4734	5240	3476	3681
Aden	3476	2400	2430	2345	2850	3310	1545	1780
Aqaba	2476	1379	1403	1325	1809	2310	551	756
Bahrain	5208	4131	4155	4077	4561	5042	3303	3508
Bandar Abbas	4929	3827	3851	3773	4257	4763	2999	3204
Basrah	5451	4370	4391	4316	4800	5285	3541	3747
Bassein	6736	5634	5715	5630	6135	6570	4830	5065
Bhavnagar	5213	4111	4135	4057	4541	5047	3283	3488
Bushehr	5268	4166	4080	3995	4500	5102	3195	3430
Chennai	6146	5080	5105	5020	5525	5980	4220	4455
Chittagong	6828	5726	5870	5785	6290	6662	4985	5220
Cochin	5326	4124	4148	4070	4554	5160	3296	3501
Colombo	5570	4500	4530	4445	4950	5404	3645	3880
Djibouti	3474	2374	2428	2343	2848	3308	1543	1778
Dubai	5007	3905	3929	3851	4335	4841	3077	3282
Fujairah	4841	3739	3763	3685	4169	4675	2911	3116
Jeddah	2801	1723	1793	1708	2213	2635	893	1103
Karachi	4951	3880	3905	3820	4325	4785	3020	3255
Kolkata	6775	5700	5780	5695	6200	6609	4895	5130
Kuwait	5393	4291	4315	4237	4721	5227	3463	3668
Malacca	6980	5905	5929	5851	6335	6814	5077	5282
Mangalore	5221	4119	4143	4065	4549	5055	3291	3496
Massawa	3066	2040	2113	2028	2533	2900	1228	1415
Mina al Ahmadi	5373	4271	4295	4217	4701	5207	3443	3648
Mongla	6794	5692	5716	5638	6122	6628	4864	5069
Mormugao	5163	4080	4130	4045	4550	4997	3245	3480
Moulmein	6846	5750	5800	5715	6220	6680	4915	5150
Mumbai	5146	4050	4100	4015	4520	4980	3215	3450
Musay'td	5178	4076	4100	4022	4506	5012	3248	3453
Penang	6812	5735	5805	5720	6225	6646	4920	5155
Port Blair	6442	5340	5364	5386	5770	6276	4511	4717
Port Kelang	6916	5814	5838	5760	6244	6750	4986	5191
Port Okha	4974	3872	3896	3818	4302	4808	3044	3249
Port Sudan	2876	1800	1828	1743	2248	2710	960	1170
Quseir	2426	1323	1383	1298	1803	2260	498	703
Rangoon	6775	5714	5790	5705	6210	6609	4905	5140
Singapore	7101	6020	6095	6010	6515	6935	5210	5445
Sittwe	6766	5664	5770	5685	6190	6600	4885	5040
Suez	2175	1088	1118	1033	1538	2009	258	468
Trincomalee	5856	4754	4778	4700	5184	5690	3926	4131
Veraval	5032	3930	3954	3876	4360	4866	3102	3307
Vishakhapatnam	6390	5288	5312	5234	5718	6224	4460	4665

All distances on this page via the Suez Canal.

AREA E	Istanbul	Izmir	Mariupol	Marseilles	Messina	Morphou Bay	Naples	Novorossiysk
Abadan	4111	3937	4651	4855	4247	3565	4425	4565
Aden	2215	2030	2755	2920	2320	1660	2500	2650
Aqaba	1186	1012	1726	1904	1322	640	1500	1640
Bahrain	3938	3764	4478	4656	4074	3392	4254	4392
Bandar Abbas	3634	3460	4174	4352	3770	3088	3948	4088
Basrah	4178	4004	5717	4895	4313	3631	4491	4631
Bassein	5500	5315	6040	6205	5605	4895	5785	5895
Bhavnagar	3918	3744	4458	4636	4059	3372	4232	4372
Bushehr	3965	3680	4405	4570	3970	3427	4150	4415
Chennai	4890	4705	5430	5595	4995	4315	5175	5325
Chittagong	5530	5470	6195	6360	5760	4987	5940	6000
Cochin	4291	4117	4471	4649	4067	3385	4245	4385
Colombo	4315	4130	4855	5020	4420	3745	4600	4750
Djibouti	2213	2028	2753	2918	2318	1634	2498	2648
Dubai	3712	3538	4252	4430	3848	3166	4026	4166
Fujairah	3546	3372	4086	4264	3682	3000	3860	4000
Jeddah	1528	1393	2068	2283	1683	982	1860	1983
Karachi	3680	3505	4230	4395	3795	3125	3975	4125
Kolkata	5505	5380	6105	6270	5670	4960	5850	5960
Kuwait	4098	3924	4638	4816	4234	3552	4412	4552
Malacca	5712	5538	6252	6430	5848	5166	6026	6166
Mangalore	3926	3752	4466	4644	4062	3380	4240	4380
Massawa	1848	1673	2387	2565	1990	1301	2163	2303
Mina al Ahmadi	4078	3904	4618	4796	4214	3532	4392	4532
Mongla	5499	5325	6039	6330	5635	4953	5813	5953
Mormugao	3915	3730	4455	4620	4020	3338	4200	4350
Moulmein	5585	5400	6125	6290	5690	5005	5870	6020
Mumbai	3885	3700	4425	4590	3990	3310	4170	4320
Musay'td	3883	3709	4423	4601	4019	3337	4197	4337
Penang	5590	5405	6130	6295	5695	4993	5875	6025
Port Blair	5147	4973	5687	5865	5283	4601	5461	5601
Port Kelang	5621	5447	6161	6339	5757	5075	5935	6075
Port Okha	3679	3505	4219	4397	3815	3133	3993	4133
Port Sudan	1600	1428	2133	2313	1728	1048	1898	2048
Quseir	1128	953	1670	1848	1270	585	1450	1600
Rangoon	5575	5390	6115	6280	5680	4875	5860	6010
Singapore	5880	5695	6420	6585	5985	5280	6165	6315
Sittwe	5555	5370	6095	6260	5660	4925	5840	5990
Suez	900	728	1440	1608	1030	348	1208	1338
Trincomalee	4561	4387	5101	5279	4697	4015	4875	5015
Veraval	3737	3562	4277	4455	3873	3191	4051	4191
Vishakhapatnam	5095	4921	5635	5813	5231	4549	5409	5549

All distances on this page via the Suez Canal.

AREA E	Odessa	Palermo	Piraeus	Port Said	Poti	Rijeka	Sfax	Siracusa
Abadan	4464	4364	3902	3305	4694	4574	4358	4205
Aden	2560	2450	1990	1400	2810	2645	2575	2300
Aqaba	1539	1439	977	380	1769	1649	1433	1280
Bahrain	4291	4191	3729	3132	4521	4401	4185	4032
Bandar Abbas	3987	3887	3425	2828	4217	4097	3881	3728
Basrah	4531	4430	3968	3371	4760	4640	4424	4271
Bassein	5800	5735	5275	4635	6095	5930	5860	5585
Bhavnagar	4271	4171	3709	3112	4501	4381	4165	4012
Bushehr	4314	4100	3640	3167	4460	4295	4225	3950
Chennai	5224	5125	4665	4055	5485	5320	5250	4975
Chittagong	5899	5890	5430	4727	6250	6085	6015	5740
Cochin	4284	4184	3722	3125	4514	4394	4178	4025
Colombo	4649	4550	4090	3485	4910	4745	4675	4400
Djibouti	2547	2448	1988	1374	2808	2643	2573	2298
Dubai	4065	3965	3503	2906	4295	4175	3959	3806
Fujairah	3899	3799	3337	2740	4129	4009	3793	3640
Jeddah	1882	1781	1320	722	2108	2000	1758	1663
Karachi	4024	3925	3465	2865	4285	4120	4050	3775
Kolkata	5859	5800	5340	4700	6160	5995	5925	5650
Kuwait	4451	4351	3889	3292	4681	4561	4345	4192
Malacca	6065	5965	5503	4906	6295	6175	5959	5806
Mangalore	4279	4179	3717	3120	4509	4389	4173	4020
Massawa	2202	2133	1678	1041	2430	2338	2100	1980
Mina al Ahmadi	4431	4331	3869	3272	4661	4541	4325	4172
Mongla	5852	5752	5290	4693	6082	5962	5746	5593
Mormugao	4249	4150	3690	3078	4510	4345	4275	4000
Moulmein	5930	5825	5360	4745	6180	6015	5945	5670
Mumbai	4230	4120	3660	3050	4480	4315	4245	3970
Musay'td	4236	4136	3674	3077	4466	4346	4130	3977
Penang	5819	5825	5365	4733	6185	6020	5950	5675
Port Blair	5500	5400	4938	4341	5730	5610	5394	5241
Port Kelang	5974	5874	5412	4815	6204	6084	5868	5715
Port Okha	4032	3932	3470	2873	4262	4142	3926	3773
Port Sudan	1947	1848	1388	788	2177	2058	1873	1698
Quseir	1499	1384	923	325	1713	1598	1358	1253
Rangoon	5909	5810	5350	4715	6170	5905	5935	5660
Singapore	6214	6115	5655	5020	6475	6310	6240	5965
Sittwe	5900	5790	5330	4665	6150	5985	5915	5640
Suez	1239	1148	688	88	1480	1358	1142	988
Trincomalee	4914	4814	4352	3755	5144	5024	4808	4655
Veraval	4090	3990	3528	2931	4320	4200	3984	3831
Vishakhapatnam	5448	5348	4886	4289	5678	5558	5342	5189

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AREA E	Tarabulus (Libya)	Taranto	Thessaloniki	Trieste	Tunis	Valencia	Valletta	Venice
Abadan	4299	4261	4045	4611	4460	4976	4244	4618
Aden	2400	2356	2150	2680	2590	3095	2350	2675
Aqaba	1374	1336	1120	1686	1535	2051	1319	1693
Bahrain	4126	4088	3872	4438	4287	4803	4071	4445
Bandar Abbas	3822	3784	3568	4134	3983	4499	3767	4141
Basrah	4365	4327	4110	4677	4526	5042	4310	4684
Bassein	5685	5641	5435	5965	5875	6380	5635	5960
Bhavnagar	4106	4068	3852	4418	4267	4783	4051	4425
Bushehr	4050	4006	3800	4330	4240	4745	4000	4325
Chennai	5075	5031	4825	5355	5265	5770	5025	5350
Chittagong	5840	5796	5590	6120	6030	6535	5790	6115
Cochin	4119	4081	3865	4431	4280	4796	4064	4438
Colombo	4500	4456	4250	4780	4690	5195	4450	4775
Djibouti	2398	2354	2148	2678	2588	3093	2348	2673
Dubai	3900	3862	3646	4212	4061	4577	3845	4219
Fujairah	3734	3696	3480	4046	3895	4411	3679	4053
Jeddah	1763	1719	1462	2040	1880	2400	1703	2038
Karachi	3875	3831	3625	4155	4065	4570	3825	4150
Kolkata	5750	5706	5500	6030	5940	6445	5700	6025
Kuwait	4286	4248	4032	4598	4447	4963	4231	4605
Malacca	5900	5862	5646	6212	6061	6577	5845	6219
Mangalore	4114	4076	3860	4428	4275	4791	5059	4433
Massawa	2080	2036	1783	2450	2200	2720	2020	2360
Mina al Ahmadi	4266	4228	4012	4578	4427	4943	4211	4585
Mongla	5687	5649	5433	5999	5848	6364	5632	6006
Mormugao	4100	4056	3850	4380	4290	4795	4050	4375
Moulmein	5770	5726	5520	6050	5960	6465	5720	6045
Mumbai	4070	4026	3820	4350	4260	4765	4020	4345
Musay'td	4071	4033	3817	4383	4232	4748	4016	4390
Penang	5775	5731	5525	6055	5965	6470	5725	6050
Port Blair	5335	5297	5181	5647	5496	6011	5280	4653
Port Kelang	5807	5771	5555	6121	5970	6486	5754	6128
Port Okha	3867	3829	3613	4179	4028	4544	3812	4186
Port Sudan	1790	1754	1530	2098	1943	2480	1740	2123
Quseir	1350	1309	1063	1633	1500	2000	1300	1628
Rangoon	5760	5716	5510	6040	5950	6455	5710	6035
Singapore	6065	6021	5815	6345	6255	6760	6015	6340
Sittwe	5740	5696	5490	6020	5930	6435	5690	6015
Suez	1080	1044	830	1395	1248	1788	1030	1400
Trincomalee	4749	4711	4495	5061	4910	5426	4694	5068
Veraval	3925	3887	3671	4237	4086	4602	3870	4244
Vishakhapatnam	5283	5245	5029	5595	5444	5960	5228	5602

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AREA B	AREA F							
	Alexandria	Algiers	Ancona	Barcelona	Beirut	Bourgas	Brindisi	Cagliari
Balikpapan	6209	7553	7253	7653	6283	6872	7009	7310
Bangkok	6020	7375	7055	7435	6135	6820	6775	7010
Basuo (Hainan Is)	7990	7850	7533	7940	6570	7552	7289	7590
Busan	7710	9055	8738	9145	7775	8457	8494	8795
Cam Pha	6655	8000	7683	8090	6720	7402	7439	7740
Cebu	6610	7965	7645	8025	6725	7410	7365	7600
Dalian	7794	9138	8831	9238	7868	8550	8587	8888
Haiphong	6560	7915	7595	7975	6675	7360	7315	7550
Ho Chi Minh City	5835	7190	6870	7250	5950	6635	6590	6825
Hong Kong	6645	8000	7680	8060	6760	7445	7400	7635
Hungnam	8000	9345	9028	9435	8065	8747	8784	9085
Inchon	7770	9125	8805	9185	7885	8570	8525	8760
Kampong Saom	5715	7060	6743	7150	5780	6462	6499	6800
Kaohsiung (Taiwan)	6830	8175	7858	8265	6895	7577	7614	7915
Keelung (Taiwan)	6987	8331	8024	8431	7061	7743	7780	8081
Kobe	7940	9295	8975	9355	8055	8740	8695	8930
Makassar	6200	7555	7235	7615	6315	7000	6955	7190
Manado	6680	8040	7823	8130	6760	7442	7479	7780
Manila	6595	7950	7630	8010	6710	7395	7350	7585
Masinloc	6615	7975	7658	8065	6695	7377	7414	7715
Moji	7765	9120	8800	9180	7880	8565	8520	8755
Muroran	8443	9788	9471	9878	8508	9190	9227	9528
Nagasaki	7600	8940	8640	9039	7670	8455	8410	8645
Nagoya	8039	9380	9079	9480	8110	8792	8829	9130
Nampo	7818	9178	8855	9262	7892	8574	8611	8912
Osaka	7857	9197	8890	9298	7927	8609	8646	8947
Otaru	8476	9826	9509	9916	8546	9228	9265	9566
Palembang	6990	6850	6533	6940	5570	6252	6289	6590
Qingdao	7648	8992	8685	9092	7722	8404	8441	8742
Qinhuangdao	7921	9265	8958	9365	7995	8677	8714	9015
Sabang	4605	5950	5633	6040	4670	5352	5389	5690
Shanghai	7450	8805	8485	8865	7565	8250	8205	8440
Shimonoseki	7732	9077	8760	9167	7797	8479	8516	8817
Singapore	5210	6565	6245	6625	5325	6010	5965	6200
Surabaya	5865	7220	6900	7280	5980	6665	6620	6855
Tanjung Priok	5445	6800	6480	6860	5560	6245	6200	6435
Tokyo	8183	9538	9218	9598	8298	8983	8938	9173
Toyama	8210	9555	9238	9645	8275	8957	8994	9295
Vladivostok	8250	9605	9285	9665	8365	9050	9005	9240
Yokohama	8165	9520	9200	9580	8280	8965	8920	9155

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AREA B	AREA F							
	Casablanca	Constanza	Dubrovnik	Durres	Genoa	Gibraltar	Haifa	Iskenderun
Balikpapan	8161	7052	7083	6998	7482	7995	6223	6436
Bangkok	7945	6885	6905	6820	7325	7785	6020	6255
Basuo (Hainan Is)	8448	7339	7363	7285	7769	8275	6511	6716
Busan	9653	8544	8568	8490	8974	9480	7716	7921
Cam Pha	8598	7489	7513	7435	7919	8425	6661	6866
Cebu	8535	7475	7495	7410	7915	8375	6610	6845
Dalian	9746	8637	8661	8583	9067	9580	7808	8014
Haiphong	8485	7425	7445	7360	7865	8325	6560	6795
Ho Chi Minh City	7760	6700	6720	6635	7140	7600	5835	6070
Hong Kong	8570	7510	7530	7445	7950	8410	6645	6880
Hungnam	9943	8834	8858	8780	9264	9770	8006	8211
Inchon	9695	8635	8655	8570	9075	9535	7770	8005
Kampong Saom	7658	6549	6573	6495	6979	7485	5721	5926
Kaohsiung (Taiwan)	8773	7664	7688	7610	8094	8600	6836	7041
Keelung (Taiwan)	8939	7830	7854	7776	8260	8775	7001	7207
Kobe	9865	8805	8825	8740	9245	9705	7940	8175
Makassar	8125	7065	7085	7000	7505	7965	6200	6435
Manado	8638	7529	7553	7475	7959	8465	6701	6906
Manila	8520	7355	7380	7300	7785	8360	6530	6732
Masinloc	8573	7464	7489	7410	7894	8400	6629	6831
Moji	9690	8630	8650	8565	9070	9530	7765	8000
Muroran	10386	9277	9301	9223	9707	10213	8449	8654
Nagasaki	9550	8440	8540	8455	8900	9400	7605	7890
Nagoya	9988	8879	8903	8825	9339	9822	8050	8256
Nampo	9770	8661	8685	8607	9081	9597	7833	8038
Osaka	9805	8696	8720	8642	9126	9640	7867	8073
Otaru	10424	9315	9339	9261	9745	10251	8487	8692
Palembang	7448	6339	6363	6285	6769	7275	5511	5716
Qingdao	9600	8491	8516	8437	8921	9435	7662	7868
Qinhuangdao	9873	8764	8788	8710	9194	9709	7935	8141
Sabang	6548	5439	5463	5385	5869	6375	4611	4816
Shanghai	9375	8315	8335	8250	8755	9215	7450	7685
Shimonoseki	9675	8566	8590	8512	8996	9502	7738	7943
Singapore	7135	6075	6095	6010	6515	6975	5210	5445
Surabaya	7790	6730	6750	6665	7170	7630	5865	6100
Tanjung Priok	7370	6310	6330	6245	6750	7210	5445	5680
Tokyo	10108	9048	9068	8983	9488	9948	8183	8418
Toyama	10158	9044	9075	8990	9474	9980	8190	8425
Vladivostok	10175	9115	9135	9050	9555	10015	8250	8485
Yokohama	10090	9309	9050	8965	9470	9930	8165	8400

Malaysia, Indonesia, South East Asia, China Sea and Japan

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AREA F	AREA B							
	Istanbul	Izmir	Mariupol	Marseilles	Messina	Morphou Bay	Naples	Novorossiysk
Balikpapan	6859	6692	7446	7577	7002	6300	7169	7320
Bangkok	6690	6505	7225	7395	6790	6115	6975	7125
Basuo (Hainan Is)	7146	6972	7733	7864	7282	6580	7460	7600
Busan	8351	8177	8938	9069	8487	7785	8665	8805
Cam Pha	7296	7122	7883	8014	7432	6730	7610	7750
Cebu	7280	7095	7815	7985	7380	6705	7565	7715
Dalian	8444	8270	9031	9162	8580	6878	8754	8898
Haiphong	7230	7045	7765	7935	7330	6655	7515	7665
Ho Chi Minh City	6505	6320	7040	7210	6605	5930	6790	6940
Hong Kong	7315	7130	7850	8020	7415	6740	7600	7750
Hungnam	8641	8467	9228	9359	8777	8075	8955	9095
Inchon	8440	8255	8975	9145	8540	7865	8725	8875
Kampong Saom	6356	6182	6943	7074	6492	5790	6670	6810
Kaohsiung (Taiwan)	7471	7297	8058	8189	7607	6905	7785	7925
Keelung (Taiwan)	7637	7463	8224	8355	7773	7071	7947	8091
Kobe	8610	8425	9145	9315	8710	8035	8895	9045
Makassar	6870	6685	7405	7575	6970	6295	7155	7305
Manado	7336	7162	7923	8054	7472	6770	7650	7790
Manila	7162	6988	7800	7880	7298	6596	7476	7616
Masinloc	7271	7097	7858	7989	7407	6705	7585	7725
Moji	8435	8250	8970	9140	8535	7860	8720	8870
Muroran	9084	8910	9671	9802	9220	8518	9398	9538
Nagasaki	8247	8140	8860	9000	8425	7680	8560	8700
Nagoya	8686	8512	9279	9439	8822	8120	8999	9140
Nampo	8468	8294	9055	9186	8604	7902	8782	8922
Osaka	8483	8329	9090	9221	8639	7937	8639	8957
Otaru	9122	8948	9709	9840	9258	8556	9436	9576
Palembang	6146	5972	6733	6864	6282	5580	6460	6600
Qingdao	8298	8124	8885	9016	8434	7732	8608	8752
Qinhuangdao	8571	8397	9158	9289	8707	8005	8881	9025
Sabang	5246	5072	5833	5964	5382	4680	5560	5700
Shanghai	8120	7935	8655	8825	8220	7545	8405	8555
Shimonoseki	8373	8199	8960	9091	8509	7807	8687	8827
Singapore	5880	5695	6415	6585	5980	5305	6185	6315
Surabaya	6135	6350	7070	7240	8220	5960	6820	6970
Tanjung Priok	6115	5930	6650	6820	6215	5540	6400	6550
Tokyo	8853	8668	9388	9558	8953	8278	9138	9288
Toyama	8860	8675	9518	9565	8960	8365	9245	9385
Vladivostok	8920	8735	9455	9625	9020	8345	9205	9355
Yokohama	8835	8650	9370	9540	8935	8260	9120	9270

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AREA F	AREA B							
	Odessa	Palermo	Piraeus	Port Said	Poti	Rijeka	Sfax	Siracusa
Balikpapan	7202	7112	6674	6060	7449	7322	7160	6960
Bangkok	7035	6925	6465	5875	7285	7125	7050	6775
Basuo (Hainan Is)	7489	7399	6937	6340	7729	7609	7440	7242
Busan	8684	8594	8142	7545	8934	8814	8645	8447
Cam Pha	7639	7549	7087	6490	7879	7759	7590	7392
Cebu	7625	7515	7055	6465	7875	7715	7640	7365
Dalian	8787	8697	8228	7638	9027	8907	8738	8540
Haiphong	7575	7465	7005	6415	7825	7665	7590	7315
Ho Chi Minh City	6850	6740	6280	5690	7100	6940	6865	6590
Hong Kong	7660	7550	7090	6500	7910	7750	7675	7400
Hungnam	8984	8894	8432	7835	9224	9104	8935	8737
Inchon	8785	8675	8215	7625	9035	8875	8800	8525
Kampong Saom	6699	6609	6147	5550	6939	6819	6650	6452
Kaohsiung (Taiwan)	7814	7724	7262	6665	8054	7934	7765	7567
Keelung (Taiwan)	7980	7890	7421	6831	8220	8100	7931	7733
Kobe	8955	8845	8385	7795	9205	9045	8970	8695
Makassar	7215	7105	6645	6055	7465	7305	7230	6955
Manado	7679	7589	7127	6530	7919	7799	7630	7432
Manila	7499	7500	6954	6356	7860	7625	7625	7350
Masinloc	7614	7524	7062	6465	7874	7734	7565	7367
Moji	8780	8670	8210	7620	9030	8870	8795	8520
Muroran	9427	9337	8875	8278	9667	9547	9378	9180
Nagasaki	8600	8509	8030	7440	8920	8709	8685	8410
Nagoya	9039	8940	8469	7880	9269	9148	8980	8782
Nampo	8811	8721	8259	7662	9051	8931	8762	8564
Osaka	8846	8756	8287	7697	9086	8966	8797	8599
Otaru	9465	9375	8913	8316	9705	9585	9416	9218
Palembang	6489	6399	5937	5340	6729	6609	6440	6242
Qingdao	8645	8551	8082	7492	8881	8761	8592	8394
Qinhuangdao	8914	8824	8355	7765	9154	9034	8865	8667
Sabang	5589	5499	5037	4440	5829	5709	5540	5342
Shanghai	8465	8355	7895	7305	8715	8555	8480	8205
Shimonoseki	8716	8626	8164	7567	8956	8836	8667	8469
Singapore	6225	6115	5655	5065	6475	6315	6240	5965
Surabaya	6880	6770	6310	5720	7130	6970	6895	6620
Tanjung Priok	6460	6350	5890	5300	6710	6550	6475	6200
Tokyo	9198	9088	8628	8038	9448	9297	9213	8938
Toyama	9274	9184	8640	8125	9514	9394	9225	9027
Vladivostok	9265	9155	8695	8105	9515	9355	9280	9005
Yokohama	9180	9070	8610	8020	9430	9279	9195	8920

All distances on this page via the Suez Canal.

AREA B	AREA F							
	Tarabulus (Libya)	Taranto	Thessaloniki	Trieste	Tunis	Valencia	Valletta	Venice
Balikpapan	7054	7016	6800	7359	7208	7748	7003	7366
Bangkok	6875	6831	6625	7155	7065	7575	6825	7145
Basuo (Hainan Is)	7334	7296	7080	7646	7495	8011	7279	7653
Busan	8539	8501	8285	8851	8700	9216	8484	8858
Cam Pha	7484	7446	7230	7796	7645	8161	7429	7803
Cebu	7465	7421	7215	7745	7655	8165	7415	7735
Dalian	8632	8594	8738	8944	8793	9333	8588	8951
Haiphong	7415	7371	7165	7695	7605	8115	7365	7685
Ho Chi Minh City	6690	6646	6440	6970	6880	7390	6640	6960
Hong Kong	7500	7456	7250	7780	7690	8200	7450	7770
Hungnam	8829	8791	8575	9141	8990	9506	8774	9148
Inchon	8625	8581	8375	8905	8815	9325	8575	8895
Kampong Saom	6544	6506	6290	6856	6705	7221	6489	6863
Kaohsiung (Taiwan)	7659	7621	7405	7971	7820	8336	7604	7978
Keelung (Taiwan)	7825	7787	7571	8137	7986	8526	7781	8144
Kobe	8795	8751	8545	9075	8965	9495	8745	9065
Makassar	7055	7011	6805	7335	7245	7755	7005	7325
Manado	7524	7486	7270	7836	7685	8201	7469	7843
Manila	7350	7312	7096	7662	7640	8030	7295	7669
Masinloc	7459	7421	7205	7771	7620	8136	7404	7778
Moji	8620	8576	8370	8900	8810	9320	8570	8890
Muroran	9272	9234	9018	9584	9433	9949	9217	9591
Nagasaki	8510	8396	8200	8748	8596	9136	8400	8760
Nagoya	8874	8836	8620	9187	9035	9575	8839	9199
Nampo	8656	8618	8402	8968	8827	9333	8601	8975
Osaka	8691	8653	8437	9003	8852	9392	8647	9010
Otaru	9310	9272	9056	9522	9471	9987	9255	9629
Palembang	6334	6296	6080	6646	6495	7011	6279	6653
Qingdao	8486	8448	8232	8798	8647	9187	8442	8805
Qinhuangdao	8759	8721	8505	9071	8920	9460	8715	9078
Sabang	5434	5396	5180	5746	5595	6111	5379	5753
Shanghai	8305	8261	8055	8585	8495	9005	8255	8575
Shimonoseki	8561	8523	8307	8873	8732	9238	8506	8880
Singapore	6065	6021	5815	6345	6255	6765	6015	6335
Surabaya	6720	6676	6470	7000	6910	7420	6670	6990
Tanjung Priok	6300	6256	6050	6580	6490	7000	6250	6570
Tokyo	9038	8994	8788	9318	9228	9738	8988	9308
Toyama	9119	9081	8865	9431	9280	9796	9064	9438
Vladivostok	9105	9061	8855	9385	9295	9805	9055	9375
Yokohama	9020	8976	8770	9300	9210	9720	8970	9290

All distances via the Suez Canal except when marked *.

AREA B	AREA G							
	Alexandria	Algiers	Ancona	Barcelona	Beirut	Bourgas	Brindisi	Cagliari
Adelaide	7685	9020	8713	9120	7750	8432	8469	8770
Albany	6680	8020	7713	8120	6750	7432	7469	7770
Amoy	10380	10458	11403	10536*	10443	11125	11162	10808*
Antwerp	9545	10880	10573	10980	9610	10292	10329	10630
Auckland	9280	10629	10312	10719	9349	10031	10068	10369
Banaba	8994	10339	10022	10429	9059	9741	9778	10079
Batavia	8960	10295	9988	10395	9025	9707	9744	10045
Brisbane	8104	9449	9132	9539	8169	8851	8888	9189
Burton	6510	7855	7538	7945	6575	7257	7294	7595
Cape Leeuwin	6960	8305	7988	8395	7025	7707	7744	8045
Cardiff	6950	8295	7978	8385	7015	7697	7734	8035
Cherbourg	6480	7820	7508	7920	6550	7227	7264	7565
Canton	8010	9360	9043	9450	8080	8762	8799	9100
Cebu	6340	7690	7373	7780	6410	7092	7129	7430
Colon	8180	9495	9188	9595	8225	8907	8944	9245
Honolulu *	10860	9480	10582	9555	11080	10959	10315	9783
London	8130	9465	9158	9565	8195	8877	8914	9215
Lyttelton	9250	10595	10288	11445	9325	10007	10044	10345
Mackay	8444	9789	9472	9879	8509	9191	9228	9529
Madang	7992	9337	9020	9427	8057	8739	8776	9077
Makatea *	10550	9204	10309	9301	10806	10688	10044	9512
Melbourne	8030	9365	9058	9465	8095	8777	8814	9115
Napier	9524	10869	10552	10959	9589	10271	10308	10609
Nauru Island	9125	10469	10152	10559	9189	9871	9908	10209
Nelson	9334	10679	10362	10769	9399	10081	10118	10419
Newcastle (NSW)	8555	9890	9583	9990	8620	9302	9339	9640
New Plymouth	9299	10644	10327	10734	9364	10046	10083	10384
Noumea	9250	10580	10273	10680	9310	9992	10029	10330
Otago Harbour	9058	10390	10083	10490	9120	9802	9839	10140
Papeete *	10638	9285	10390	9362	10887	10767	10123	9591
Portland (Victoria)	7819	9164	8847	9254	7884	8566	8603	8904
Port Hedland	6360	7710	7393	7800	6430	7112	7149	7450
Port Kembla	8437	9782	9465	9872	8502	9184	9221	9522
Port Lincoln	7615	8960	8643	9050	7680	8362	8399	8700
Port Moresby	7934	9279	8962	9369	7999	8681	8718	9019
Port Pirie	7765	9110	8793	9200	7830	8512	8549	8850
Rockhampton	8624	9969	9652	10059	8689	9371	9408	9709
Suva	9837	11120*	10865	11195*	9902	10584	10621	10922
Sydney	8485	9820	9513	9920	8550	9232	9269	9570
Wellington	9375	10710	10403	10810*	9440	10122	10159	10460

Australasia, New Guinea and the Pacific Islands

All distances via the Suez Canal except when marked *

AREA G	AREA B							
	Casablanca	Constanța	Dubrovnik	Durrës	Genoa	Gibraltar	Haifa	Iskenderun
Adelaide	9630	8520	8543	8465	8950	9460	7690	7896
Albany	8630	7520	7543	7465	7950	8465	6690	6896
Apia	9904*	11212	11236	11158	10938*	10061*	10384	10589
Auckland	10750*	10380	10403	10325	10810	10865*	9550	9756
Banaba	11054	10118	10142	10064	10548	11054	9290	9495
Bluff	10934	9828	9852	9774	10258	10764	9000	9205
Brisbane	10900	9795	9818	9740	10225	10740	8965	9171
Cairns	10140	8938	8962	8884	9368	9874	8110	8315
Cape Leeuwin	8453	7344	7368	7290	7774	8280	6516	6721
Darwin	8903	7794	7818	7740	8224	8730	6966	7171
Esperance	8886	7784	7808	7730	8214	8720	6956	7161
Fremantle	8425	7315	7338	7260	7745	8260	6490	6691
Geelong	9960	8850	8873	8795	9280	9795	8025	8226
Geraldton	8261	7179	7203	7125	7609	8115	6351	6556
Honolulu *	8920	10775	10423	10336	9915	9040	11065	11055
Hobart	10100	8995	9018	8940	9425	9935	8165	8371
Launceston	10075	8965	8988	8910	9395	9905	8136	8341
Lyttleton	10810*	10095	10118	10040	10525	10930*	9265	9471
Mackay	10380	9278	9302	9224	9708	10214	8450	8655
Madang	9928	8826	8850	8772	9256	9762	7998	8203
Makatea *	8608	10801	10152	10065	9642	8765	10793	10784
Melbourne	9975	8865	8888	8810	9295	9810	8035	8241
Napier	10771*	10358	10382	10304	10788	10769*	9530	9735
Nauru Island	11060	9958	9982	9904	10388	10894	9130	9335
Nelson	10970*	10168	10192	10114	10598	10968*	9340	9545
Newcastle (NSW)	10500	9390	9413	9335	9820	10335	7040	8766
New Plymouth	11027*	10133	10157	10079	10563	11025*	9305	9510
Noumea	11190	10080	10103	10025	10510	11335*	9250	9456
Otago Harbour	10990*	9890	9913	9835	10320	10830	9060	9266
Papeete *	8687	10880	10231	10318	9721	8844	10872	10863
Portland (Victoria)	9755	8653	8677	8599	8083	9589	7825	8030
Port Hedland	8301	7199	7223	7145	7629	8135	6371	6576
Port Kembla	10380	9271	9295	9217	9701	10207	8443	8648
Port Lincoln	9551	8449	8473	8395	8879	9385	7621	7826
Port Moresby	9870	8768	8792	8714	9198	9704	7940	8145
Port Pirie	9701	8599	8623	8545	9029	9535	7771	7976
Rockhampton	10560	9458	9482	9404	9888	10394	8630	8835
Suva	10519*	10671	10695	10617	11101	10676*	9843	10048
Sydney	10425	9320	9345	9265	9750	10260	8965	8696
Wellington	10740*	10210	10233	10155	10645	10860*	9380	9586

All distances via the Suez Canal except when marked *

AREA G	AREA B							
	Istanbul	Izmir	Mariupol	Marseilles	Messina	Morphou Bay	Naples	Novorossiysk
Adelaide	8325	8152	8866	9045	8462	7780	8635	8780
Albany	7328	7152	7866	8045	7462	6780	7640	7780
Apia	11019	10845	11559	10772*	11107*	10473	11060*	11473
Auckland	10190	10012	10726	10905	10322	9640	10500	10640
Banaba	9925	9751	10465	10643	10061	9379	10239	10379
Bluff	9635	9461	10175	10353	9771	9089	9949	10089
Brisbane	9600	9427	10141	10320	9737	9055	9910	10055
Cairns	8745	8571	7691	9463	8881	8199	9059	9199
Cape Leeuwin	7151	6977	7691	7869	7287	6605	7465	7605
Darwin	7601	7427	8141	8319	7737	7055	7915	8055
Esperance	7591	7417	8131	8309	7727	7045	7905	8045
Fremantle	7125	6947	7661	7840	7527	6575	7435	7575
Geelong	8660	8482	9196	9375	8792	8110	8970	9110
Geraldton	6986	7812	7526	7704	7122	6440	7300	7440
Hobart	8800	8627	11393	9520	8937	8255	9110	9255
Honolulu *	10880	10720	9341	9750	10082	10946	10020	11261
Launceston	8770	8597	9311	9490	8907	8225	9080	9225
Lyttleton	9900	9727	10441	10620	10037	9355	10210	10355
Mackay	9085	8911	9625	9803	9221	8539	9399	9539
Madang	8633	8459	9173	9351	8769	8087	8947	9087
Makatea *	10584	10449	11122	9477	9811	10675	9764	11062
Melbourne	8670	8497	9211	9390	8807	8125	8980	9125
Napier	10165	9991	10705	10883	10301	9619	10479	10619
Nauru Island	9765	9591	10305	10483	9901	9219	10079	10219
Nelson	9975	9801	10515	10693	10111	9429	10289	10429
Newcastle (NSW)	9200	9022	9736	9915	9332	8650	9505	9650
New Plymouth	9940	9766	10480	10658	10076	9394	10254	10394
Noumea	9890	9712	10426	10605	10022	9340	10200	10340
Otago Harbour	9695	9522	10236	10415	9832	9150	10005	10150
Papeete	10663*	10528	11201	9555*	9890*	10754*	9843*	11069
Portland (Victoria)	8469	8286	9000	9178	8596	7914	8774	8914
Port Hedland	7006	6832	7546	7724	7142	6460	7320	7460
Port Kembla	9078	8904	9618	9796	9214	8532	9392	9532
Port Lincoln	8256	8085	8796	8974	8392	7710	8570	8710
Port Moresby	8575	8401	9115	9293	8711	8029	8889	9029
Port Pirie	8406	8232	8946	8124	8542	7860	8720	8860
Rockhampton	9265	9091	7805	9983	9401	8719	9575	9719
Suva	10578	10304	11018	11196	10614	9932	10792	10932
Sydney	9125	8952	9666	9845	9262	8580	9435	9580
Wellington	10015	9842	10556	10734	10152	9470	10330	10470

All distances via the Suez Canal except when marked *.

AREA B	AREA G							
	Odessa	Palermo	Piraeus	Port Said	Poti	Rijeka	Sfax	Siracusa
Adelaide	8670	8579	8110	7520	8895	8790	8640	8420
Albany	7670	7579	7110	6520	7895	7790	7640	7420
Apia	11363	10996*	10810	10213	11588	11482	11141*	11113
Auckland	10530	10439	9970	9380	10755	10650	10500	10280
Banaba	10268	10178	9716	9119	10508	10388	10234	10019
Bluff	9979	9888	9426	8829	10204	10098	9949	9729
Brisbane	9945	9854	9385	8795	10170	10065	9915	9695
Cairns	9088	8998	8536	7939	9328	9208	9054	8839
Cape Leeuwin	7495	7404	6942	6345	7720	7614	7465	7245
Darwin	7845	7854	7392	6795	8170	8064	7915	7695
Esperance	7934	7844	7382	6785	9174	8054	7900	7685
Fremantle	7470	7374	6905	6315	7695	7585	7435	7215
Geelong	9000	8909	8440	7850	9225	9120	8970	8750
Geraldton	7329	7239	6777	6180	7569	7449	7295	7080
Honolulu	9145	9971*	10560*	10906*	11450*	10705*	10116*	10136*
Hobart	11225	9054	8585	7995	9370	9265	9115	8895
Launceston	9115	9024	8555	7965	9340	9235	9085	8865
Lyttleton	10245	10154	9685	9095	10470	10365	10215	9995
Mackay	9428	9338	8876	8279	9668	9548	9394	9179
Madang	8976	8886	8424	7827	9216	9096	8942	8727
Makatea *	10951	9700	10287	10700	11165	10430	9845	9865
Melbourne	9015	8924	8455	7865	9240	9135	8985	8765
Napier	10508	10418	9956	9359	10748	10628	10474	10259
Nauru Island	10108	10018	9556	8959	10348	10228	10074	9859
Nelson	10318	10228	9766	9169	10558	10538	10284	10069
Newcastle (NSW)	9540	9449	8980	8390	9765	9660	9510	9290
New Plymouth	10283	10193	9731	9134	10523	10403	10249	10034
Noumea	10230	10139	9670	9080	10455	10350	10200	9980
Otago Harbour	10040	9949	9480	8890	10265	10160	10010	9790
Papeete	10959	9779*	10366*	10788*	11184	10509*	9924*	9944*
Portland (Victoria)	8803	8713	8251	7654	8043	8923	8769	8554
Port Hedland	7349	7259	6797	6200	7589	7469	7315	7100
Port Kembla	9422	9331	8869	8272	9647	9541	9392	9172
Port Lincoln	8599	8509	8047	7450	8839	8719	8565	8350
Port Moresby	8918	8828	8366	7769	9158	9038	8884	8669
Port Pirie	8749	8659	8197	7600	8989	8869	8715	8500
Rockhampton	9608	9518	9056	8459	9848	9728	9574	9359
Suva	10822	10731	10269	9672	11047	10941	10792	10572
Sydney	9470	9379	8910	8320	9695	9590	9440	9220
Wellington	11360	10269	9800	9210	11585	10480	10330	10110

All distances via the Suez Canal except when marked *.

AREA B	AREA G							
	Tarabulus (Libya)	Taranto	Thessaloniki	Trieste	Tunis	Valencia	Valletta	Venice
Adelaide	8514	8460	8270	8825	8675	9214	8470	8832
Albany	7514	7460	7270	7830	7680	8220	7470	7835
Apia	11200	11153	10953	11519	10880*	10474*	11068*	11526
Auckland	10374	10320	10135	10690	10540	11080	10335	10695
Banaba	10113	10059	9859	10425	10274	10790	10058	10432
Bluff	9823	9769	9565	10135	9984	10480	9768	10142
Brisbane	9789	9735	9545	10100	9950	10490	9745	10110
Cairns	8933	8879	8679	7651	9094	9610	8878	7658
Cape Leeuwin	7339	7285	7085	7651	7500	8016	7284	7658
Darwin	7789	7735	7535	8101	7950	8466	7734	8108
Esperance	7779	7725	7525	8091	7940	8456	7724	8098
Fremantle	7309	7255	7070	7625	7470	8010	7265	7630
Geelong	8844	8790	8600	9160	9005	9545	8800	9165
Geraldton	7174	7120	6820	7486	7335	7851	7119	7493
Honolulu *	10174	10266	10770	10750	9860	9450	10045	10755
Hobart	8989	8935	8745	9300	9150	9690	8945	9305
Launceston	8959	8905	8715	9270	9120	9660	8915	9280
Lyttleton	10089	10035	9845	10402	10250	10790	10045	10410
Mackay	9273	9219	9019	9585	9434	9950	9218	9592
Madang	8821	8767	8567	9133	8982	9498	8766	9140
Makatea *	9903	9995	10478	10475	9584	9178	9772	10482
Melbourne	8859	8805	8615	9170	9020	9560	8615	9180
Napier	10353	10299	10099	10665	10514	11030	10298	10672
Nauru Island	9953	9899	9699	10265	10114	10630	9898	10272
Nelson	10163	10109	9808	10475	10324	10840	10108	10482
Newcastle (NSW)	9384	9330	9140	9700	9545	10085	9340	9705
New Plymouth	10129	10074	9874	10440	10289	10805	10073	10447
Noumea	10074	10020	9830	10390	10240	10780	10035	10395
Otago Harbour	9884	9830	9640	10195	10045	10585	9840	10200
Papeete *	9982	10074*	10577	10554	9663	9257	9851	10561
Portland (Victoria)	8648	8594	8394	8960	8809	9325	8593	8967
Port Hedland	7194	7140	6940	7506	7355	7871	7139	7513
Port Kembla	9266	9212	9012	9578	9427	9943	9211	9585
Port Lincoln	8444	8390	8190	8756	8605	9121	8389	8763
Port Moresby	8763	8709	8509	9075	8924	9440	8708	9083
Port Pirie	8594	8540	8340	8906	8755	9271	8539	8913
Rockhampton	9453	9399	9199	9765	9614	10130	9398	9772
Suva	10666	10612	10412	10978	10827	11089*	10611	10985
Sydney	9314	9260	9070	9625	9475	10015	9270	9635
Wellington	9204	10150	9960	10515	10365	10905	10160	10525

Australasia, New Guinea and the Pacific Islands