

All distances via the Panama Canal except where otherwise indicated.

AREA B	AREA H							
	Alexandria	Algiers	Ancona	Barcelona	Beirut	Bourgas	Brindisi	Cagliari
Antofagasta	8315	6930	8039	7010	8535	8414	7774	7242
Arica	8100	6715	7819	6790	8315	8198	7554	7022
Astoria	9960	8575	9679	8650	10177	10058	9415	8882
Balboa	6175	4795	5899	4870	6395	6278	5634	5102
Buenaventura	6530	5145	6250	5220	6745	6628	5984	5452
Cabo Blanco (Peru)	6929	5545	6650	5632	7147	7029	6385	5853
Caldera	8476	7092	8197	7179	8694	8576	7932	7400
Callao	7520	6140	7244	6215	7740	7623	6979	6447
Cape Horn (direct)	8073	6689	7794	6776	8291	8173	7529	6997
Chimbote	7332	5948	7053	6035	7550	7432	6788	6256
Coos Bay	9775	8390	9494	8470	9995	9873	9229	8697
Corinto	6858	5474	6579	5561	7076	6958	6314	5782
Eureka	9635	8250	9354	8330	9850	9733	9089	8557
Guayaquil	7000	5615	6724	5695	7220	7103	6459	5927
Guaymas	8544	7160	8265	7427	8762	8644	7980	7468
Honolulu	10860	9480	10582	9555	11080	10959	10315	9783
Iquique	8165	6780	7884	6855	8380	8263	7619	7087
Los Angeles	9090	7705	8809	7780	9310	9188	8545	8012
Manzanillo (Mex)	7895	6545	7614	6585	8110	7993	7350	6817
Mazatlan (Mex)	8180	6800	7903	6875	8400	8282	7638	7106
Nanaimo	10215	8830	9939	8910	10435	10318	9674	9142
New Westminster	10223	8839	9948	8926	10443	10323	9679	9147
Portland (Oreg)	10045	8660	9764	8740	10265	10143	9499	8967
Port Alberni	10168	8784	9889	8871	10386	10268	9624	9092
Port Isabel	8823	7439	8544	7526	9041	8923	8279	7747
Port Moody	10224	8839	9943	8919	10444	10322	9678	9146
Prince Rupert	10477	9093	10198	9180	10695	10577	9933	9401
Puerto Montt M	9135	7751	8856	7838	9353	9235	8591	8059
Puntarenas (CR)	6645	5261	6366	5348	6863	6745	6101	5569
Punta Arenas (Ch) M	8175	6791	7896	6878	8398	8275	7631	7097
Salina Cruz	7344	5960	7065	6047	7562	7444	6800	6268
San Francisco	9420	8040	9144	8115	9640	9523	8879	8347
San José (Guat)	7060	5676	6781	5763	7278	7160	6516	5984
Seattle	10195	8815	9919	8890	10415	10298	9654	9122
Tacoma	10230	8845	9949	8920	10445	10328	9684	9152
Talcahuano	8979	7595	8700	7682	9197	9079	8435	7903
Tocopilla	8245	6860	7964	6935	8460	8343	7699	7167
Valparaiso	8790	7410	8514	7485	9010	8893	8249	7717
Vancouver (BC)	10215	8830	9934	8910	10435	10313	9669	9137
Victoria (Vanc Is)	10150	8765	9869	8840	10365	10248	9604	9072

All distances via the Panama Canal except where otherwise indicated.

AREA B	AREA H							
	Casablanca	Constanza	Dubrovnik	Durres	Genoa	Gibraltar	Haifa	Iskenderun
Antofagasta	6375	8530	7882	7795	7370	6495	8520	8511
Arica	6160	8310	7662	7575	7150	6275	8300	8291
Astoria	8020	10170	9522	9435	9015	8125	10165	10156
Balboa	4240	6390	5742	5655	5230	4390	6380	6371
Buenaventura	4590	6740	6090	6003	5580	4705	6735	6726
Cabo Blanco (Peru)	4091	7142	6493	6406	5983	5106	7134	7125
Caldera	6538	8689	8040	7953	7530	6653	8681	8672
Callao	5585	7735	7087	7000	6575	5700	7725	7716
Cape Horn (direct)	6135	8286	7637	7550	7127	6387	8278	8269
Chimbote	5394	7545	6896	6809	6386	5509	7537	7528
Coos Bay	7835	9690	9337	9250	8830	7950	9980	9971
Corinto	4920	7071	6422	6335	5912	5035	7063	7054
Eureka	7695	9545	9197	9110	8690	7810	9840	9831
Guayaquil	5060	6915	6567	6480	6055	5180	7205	7196
Guaymas	6606	8757	8108	8021	7598	6721	8749	8740
Honolulu	8920	10775	10423	10336	9915	9040	11065	11055
Iquique	6225	8075	7727	7640	7215	6340	8370	8361
Los Angeles	7150	9000	8652	8565	8145	7265	9295	9286
Manzanillo (Mex)	5955	7805	7457	7370	6950	6070	8100	8091
Mazatlan (Mex)	6245	8095	7746	7659	7236	6359	8390	8381
Nanaimo	8280	10130	9782	9695	9270	8395	10420	10411
New Westminster	8285	10436	9787	9700	9277	8400	10428	10419
Portland (Oreg)	8105	9960	9607	9520	9100	8220	10250	10241
Port Alberni	8230	10381	9732	9645	9222	8345	10371	10362
Port Isabel	6885	9036	8387	8300	7877	7000	9028	9019
Port Moody	8284	10139	9786	9699	9279	8399	10429	10420
Prince Rupert	8539	10690	10041	9954	9531	8654	10682	10673
Puerto Montt M	7162	9348	8699	8612	8189	7312	9340	9331
Puntarenas (CR)	4707	6858	6209	6122	5699	4822	6850	6841
Punta Arenas (Ch) M	6202	8388	7739	7652	7229	6352	8380	8371
Salina Cruz	5406	7557	6908	6821	6398	5521	7549	7540
San Francisco	7480	9335	8987	8900	8475	7667	9625	9616
San José (Guat)	5122	7273	6624	6537	6114	5237	7265	7256
Seattle	8260	10110	9762	9675	9250	8375	10400	10391
Tacoma	8290	10140	9792	9705	9280	8405	10435	10426
Talcahuano	7041	9192	8543	8456	8033	7156	9184	9175
Tocopilla	6305	8155	7807	7720	7300	6420	8500	8491
Valparaiso	6855	8705	8357	8270	7845	6970	8995	8986
Vancouver (BC)	8275	10130	9777	9690	9270	8390	10420	10411
Victoria (Vanc Is)	8210	10060	9712	9625	9202	8325	10355	10346

All distances via the Panama Canal except where otherwise indicated.

AREA H	AREA B							
	Istanbul	Izmir	Mariupol	Marseilles	Messina	Morphou Bay	Naples	Novorossiysk
Antofagasta	8335	8179	8852	7205	7540	8405	7475	8792
Arica	8115	7959	8632	6985	7311	8185	7255	8572
Astoria	9980	9819	10492	8850	9181	10045	9120	10432
Balboa	6200	6040	6712	5065	5400	6265	5335	6652
Buenaventura	6550	6389	7060	5415	5751	6615	5685	7000
Cabo Blanco (Peru)	6925	6690	7463	5818	6152	7016	6105	7403
Caldera	8472	8337	9010	7365	7699	8563	7652	8950
Callao	7540	7384	8057	6410	6746	7610	6680	7997
Cape Horn (direct)	8230	7934	8607	6962	7296	8160	7249	8547
Chimbote	7328	7193	7866	6221	6555	7419	6508	7806
Coos Bay	9795	9634	10307	8665	8996	9860	8935	10247
Corinto	6854	6719	7392	5747	6081	6945	6034	7332
Eureka	9655	9495	10167	8525	8856	9720	8795	10107
Guayaquil	7020	6864	7537	5890	6226	7090	6160	7477
Guaymas	8540	8405	9078	7433	7767	8631	7720	9018
Honolulu	10880	10720	11393	9750	10082	10946	10020	11261
Iquique	8185	8025	8697	7050	7386	8250	7320	8637
Los Angeles	9110	8950	9622	7980	8311	9175	8248	9562
Manzanillo (Mex)	7915	7754	8425	6785	7116	7980	7055	8365
Mazatlan (Mex)	8200	8043	8716	7070	7505	8269	7341	8656
Nanaimo	10235	10079	10752	9105	9441	10305	9375	10692
New Westminster	10219	10084	10757	9112	9446	10310	9399	10697
Portland (Oreg)	10065	9904	10577	8935	9266	10130	9205	10517
Port Alberni	10264	10029	10702	9057	9391	10255	9344	10642
Port Isabel	8819	8684	9357	7712	8046	8910	7999	9297
Port Moody	10244	10083	10756	9114	9444	10309	9384	10696
Prince Rupert	10473	10338	11011	9366	9700	10564	9653	10591
Puerto Montt M	9131	8996	9669	8024	8358	9222	8311	9609
Puntarenas (CR)	6641	6506	7179	5534	5868	6732	5821	7119
Punta Arenas (Ch) M	8171	8036	8710	7064	7398	8262	7351	8649
Salina Cruz	7340	7205	7878	6233	6567	7431	6520	7818
San Francisco	9419	9284	9957	8312	8646	9510	8599	9897
San José (Guat)	7056	6921	7594	5949	6283	7147	6236	7534
Seattle	10215	10059	10732	9085	9420	10285	9355	10672
Tacoma	10250	10089	10762	9115	9450	10315	9385	10702
Talcahuano	8975	8840	9513	7868	8202	9066	8155	9453
Tocopilla	8265	8104	8777	7135	7466	8330	7405	8717
Valparaiso	8810	8654	9327	7680	8016	8880	7950	9267
Vancouver (BC)	10235	10074	10747	9105	9435	10300	9375	10687
Victoria (Vanc Is)	10165	10009	10682	10035	9371	10235	9305	10622

All distances via the Panama Canal except where otherwise indicated.

AREA H	AREA B							
	Odessa	Palermo	Piraeus	Port Said	Poti	Rijeka	Sfax	Siracusa
Antofagasta	8680	7430	8015	8435	8895	8160	7575	7595
Arica	8460	7210	7795	8215	8675	7940	7355	7375
Astoria	10320	9070	9660	10080	10535	9800	9215	9235
Balboa	6540	5290	5875	6295	6755	6020	5435	5455
Buenaventura	6890	5640	6225	6645	7103	6370	5785	5805
Cabo Blanco (Peru)	7291	6041	6628	7041	7506	6771	6186	6206
Caldera	8842	7588	8175	8588	9053	8318	7733	7753
Callao	7885	6635	7720	7640	8100	7365	6780	6800
Cape Horn (direct)	8435	7185	7772	8322	8650	7915	7330	7350
Chimbote	7694	6444	7031	7444	7909	7174	6589	6609
Coos Bay	10140	8885	9475	9895	10350	9615	9030	9050
Corinto	7220	5970	6557	6970	7435	6700	6115	6135
Eureka	10005	8745	9335	9755	10210	9475	8890	8910
Guayaquil	7365	6115	6700	7120	7580	6845	6260	6280
Guaymas	8906	7656	8243	8656	9121	8386	7801	7821
Honolulu	11225	9971	10560	10906	11450	10705	10116	10136
Iquique	8525	7275	7862	8280	8740	8005	7420	7440
Los Angeles	9450	8200	8790	9210	9665	8930	8345	8365
Manzanillo (Mex)	8253	7005	7595	8015	8468	7735	7150	7170
Mazatlan (Mex)	8545	7294	7880	8300	8759	8025	7439	7459
Nanaimo	10580	9330	9915	10335	10795	10060	9475	9495
New Westminster	10585	9335	9922	10340	10800	10065	9480	9500
Portland (Oreg)	10405	9155	9745	10165	10620	9885	9300	9320
Port Alberni	10530	9280	9867	10280	10745	10010	9425	9445
Port Isabel	9185	7935	8522	8935	9400	8665	8080	8100
Port Moody	10584	9334	9924	10344	10799	10064	9479	9499
Prince Rupert	10839	9589	10176	10589	11054	10319	9734	9754
Puerto Montt M	9497	8247	8834	9247	9712	8977	8392	8412
Puntarenas (CR)	7007	5757	6344	6757	7222	6487	5902	5922
Punta Arenas (Ch) M	8537	7287	7874	8287	8753	8017	7432	7452
Salina Cruz	7706	6456	7043	7456	7921	7186	6601	6621
San Francisco	9785	8535	9120	9540	10000	9265	8680	8700
San José (Guat)	7422	6172	6759	7172	7637	6902	6317	6337
Seattle	10560	9310	9895	10315	10775	10040	9455	9475
Tacoma	10590	9340	9925	10345	10805	10070	9485	9505
Talcahuano	9341	8091	8678	9091	9556	8821	8236	8256
Tocopilla	8605	7355	7945	8365	8820	8085	7500	7520
Valparaiso	9155	7905	8490	8910	9370	8635	8050	8070
Vancouver (BC)	10575	9325	9915	10335	10790	10055	9470	9490
Victoria (Vanc Is)	10510	9260	9845	10265	10725	9990	9405	9425

All distances via the Panama Canal except where otherwise indicated.

AREA H	AREA B							
	Tarabulus (Libya)	Taranto	Thessaloniki	Trieste	Tunis	Valencia	Valletta	Venice
Antofagasta	7633	7725	8208	8205	7310	6905	7500	8210
Arica	7413	7505	7988	7985	7095	6685	7280	7990
Astoria	9273	9365	9848	9845	8955	8550	9145	9855
Balboa	5493	5585	6068	6065	5175	4765	5360	6070
Buenaventura	5843	5935	6418	6415	5525	5120	5710	6420
Cabo Blanco (Peru)	6244	6336	6819	6816	5925	5519	6113	6823
Caldera	7791	7883	8366	8363	7472	7066	7660	8370
Callao	6838	6930	7413	7410	6520	6110	6705	7415
Cape Horn (direct)	7388	7480	7963	7960	7069	6663	7394	7967
Chimbote	6647	6739	7222	7219	6328	5922	6512	7226
Coos Bay	9088	9180	9663	9660	8770	8365	8960	9670
Corinto	6173	6265	6748	6745	5854	5448	6038	6752
Eureka	8948	9040	9523	9520	8630	8225	8820	9530
Guayaquil	6318	6410	6893	6890	5995	5590	6185	6895
Guaymas	7859	7951	8434	8431	7540	7134	7724	8438
Honolulu	10174	10266	10770	10750	9860	9450	10045	10755
Iquique	7478	7570	8053	8050	7160	6755	7345	8055
Los Angeles	8403	8495	8978	8975	8085	7680	8275	8985
Manzanillo (Mex)	7208	7300	7783	7780	6890	6485	7080	7790
Mazatlan (Mex)	7497	7589	8072	8070	7180	6770	7365	8075
Nanaimo	9533	9625	10108	10105	9210	8808	9400	10110
New Westminster	9538	9630	10113	10110	9219	8813	9405	10117
Portland (Oreg)	9358	9450	9933	9930	9040	8635	9230	9940
Port Alberni	9483	9575	10058	10055	9164	8758	9348	10062
Port Isabel	8138	8230	8713	8710	7819	7413	8003	8717
Port Moody	9537	9629	10112	10109	9219	8814	9409	10124
Prince Rupert	9792	9884	10367	10364	9473	9067	9657	10371
Puerto Montt M	8450	8542	9025	9022	8131	7725	8315	9029
Puntarenas (CR)	5960	6052	6535	6532	5641	5235	5825	6539
Punta Arenas (Ch) M	7490	7582	8065	8062	7171	6765	7355	8069
Salina Cruz	6659	6751	7234	7231	6340	5934	6524	7238
San Francisco	8738	8830	9313	9310	8415	8010	8605	9315
San José (Guat)	6375	6467	6950	6947	6056	5650	6240	6954
Seattle	9513	9605	10085	10084	9195	8785	9380	10090
Tacoma	9543	9635	10118	10115	9225	8820	9410	10120
Talcahuano	8294	8386	8869	8866	7975	7569	8159	8873
Tocopilla	7558	7650	8133	8130	7240	6835	7430	8140
Valparaiso	8108	8200	8683	8680	7790	7380	7975	8685
Vancouver (BC)	9528	9620	10103	10100	9210	8805	9400	10115
Victoria (Vanc Is)	9464	9555	10038	10035	9145	8740	9330	10040

Area C

Distances between principal ports on 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)

and

Area C Other ports on the East Coast of North America and Canada, the US Gulf and Central America (including the Caribbean Sea).

Area D The East Coast of South America, the Atlantic Islands, and East and West Africa.

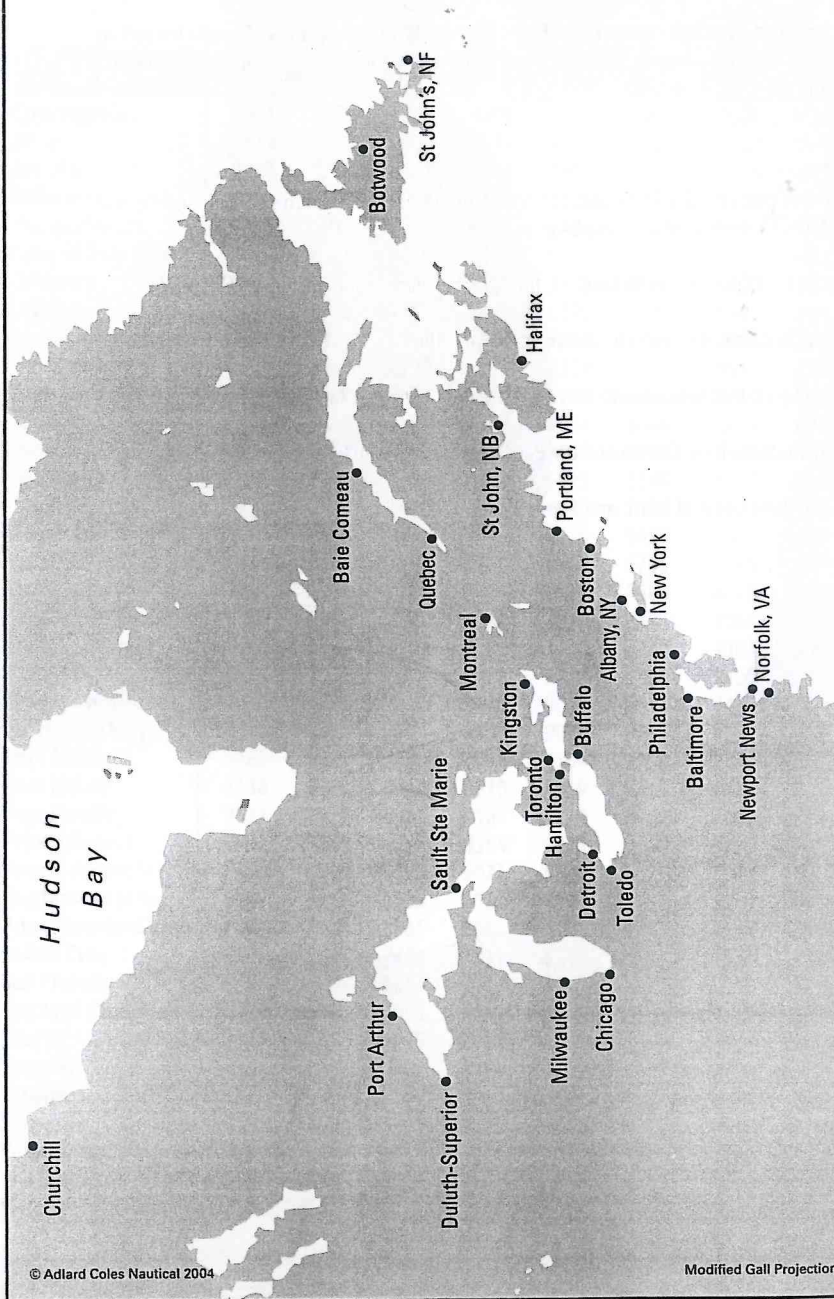
Area E The Red Sea, The Gulf, the Indian Ocean and the Bay of Bengal.

Area F Malaysia, Indonesia, South East Asia, the China Sea and Japan.

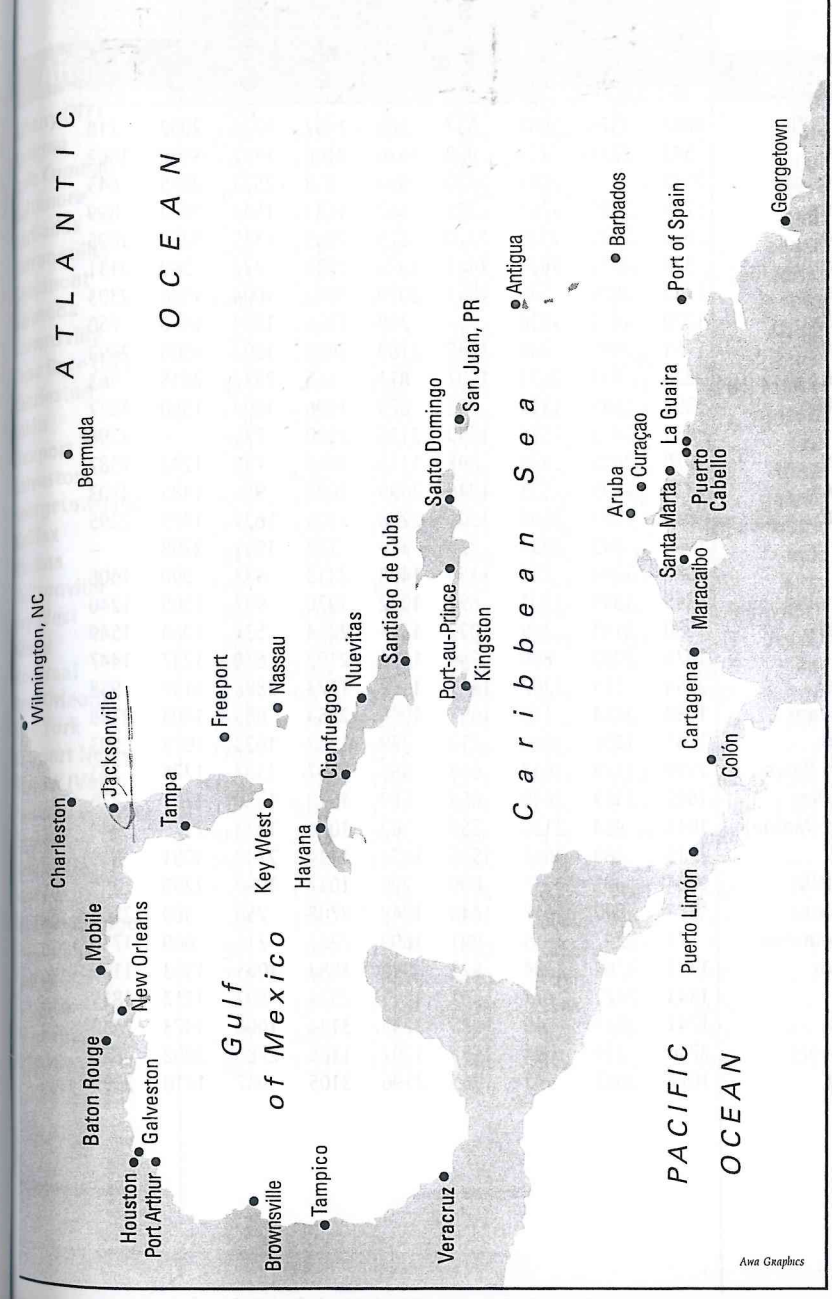
Area G Australasia, New Guinea and the Pacific Islands (via the Panama Canal).

Area H The West Coast of North and South America.

AREA C
Reeds Marine Distance Tables
WEST ATLANTIC, HUDSON BAY TO CARIBBEAN



AREA C
Reeds Marine Distance Tables
WEST ATLANTIC, HUDSON BAY TO CARIBBEAN



AREA C	Aruba	Baie Comeau	Baton Rouge	Bermuda	Boston	Botwood	Cienfuegos	Colón	Halifax
Albany (NY)	1888	1326	1965	837	503	1457	1748	2097	718
Antigua	547	2228	1959	958	1630	2100	1162	1160	1662
Baie Comeau	2539	-	2887	1430	994	958	2573	2875	643
Baltimore	1725	1505	1763	785	682	1633	1544	1904	899
Barbados	610	2495	2175	1220	1875	2345	1335	1250	1895
Barranquilla	324	2715	1600	1483	1973	2733	733	340	2131
Beaumont	1752	2909	546	1851	2099	3008	1004	1506	2303
Bermuda	1270	1430	1830	-	710	1326	1394	1640	750
Brownsville	1751	2999	708	1948	2189	3098	1003	1500	2393
Cape Race (NF)	2226	643	2671	1001	811	315	2312	2615	463
Charleston	1393	1685	1314	792	870	1806	1094	1560	1077
Colón	632	2875	1536	1640	2136	2930	775	-	2298
Freeport	1070	2015	938	895	1135	2042	735	1242	1387
Galveston	1734	2909	523	1846	2099	3008	986	1485	2303
Georgetown (G)	847	1793	2509	1608	2268	2705	1629	1475	2295
Halifax	1984	643	2281	750	386	778	1991	2298	-
Havana	1087	2213	754	1150	1408	2313	473	990	1608
Jacksonville	1345	1849	1204	892	1032	1970	987	1505	1240
Key West	1080	2143	749	1090	1343	2254	536	1054	1549
Miami	1075	2080	866	940	1200	2102	670	1237	1447
Montreal	2854	315	3202	1665	1309	1273	2888	3117	958
New Orleans	1630	2754	133	1697	1944	2853	885	1403	2148
New York	1763	1201	1840	712	379	1332	1623	1972	593
Newport News	1599	1379	1637	668	556	1507	1327	1778	773
Norfolk (Va)	1602	1382	1640	664	559	1510	1330	1781	776
Portland (Maine)	1913	954	2120	753	102	1086	1873	2179	344
Quebec	2715	188	3063	1526	1170	1134	2749	3051	819
St John (NB)	2004	905	2238	809	290	1037	1990	2296	295
Santa Marta	284	2690	1618	1448	1948	2708	750	360	2106
Santo Domingo	373	2292	1655	991	1600	2267	715	800	1710
Savannah	1393	1763	1284	873	946	1882	1065	1563	1156
Tampa	1343	2422	627	1361	1615	2524	697	1212	1819
Tampico	1741	3039	866	1985	2235	3144	1000	1473	2438
Three Rivers	2746	219	3094	1557	1201	1165	2780	3082	850
Veracruz	1677	3003	943	1965	2196	3105	937	1410	2399

AREA C	Houston	Jacksonville	Kingston	Maracaibo	Montreal	New Orleans	New York	Nuevitas
Albany (NY)	2030	916	1597	2027	1641	1832	125	1389
Antigua	2014	1376	864	697	2558	1826	1554	932
Baie Comeau	2952	1849	2375	2680	315	2754	1201	2200
Baltimore	1828	715	1404	1834	1820	1630	410	1187
Barbados	2290	1614	1035	750	2229	2042	1820	1152
Barranquilla	1610	1348	463	410	3030	1468	1808	777
Beaumont	143	1226	1274	1815	3224	413	1862	1080
Bermuda	1894	892	1145	1405	1665	1697	712	970
Brownsville	305	1316	1273	1814	3314	575	1952	1156
Cape Race (NF)	2736	1649	2115	2367	958	2538	1017	1946
Charleston	1379	199	1060	1490	2000	1181	629	740
Colón	1528	1505	555	676	3190	1403	1972	941
Freeport	1045	310	735	1155	2330	798	920	395
Galveston	48	1226	1256	1797	3224	390	1862	1080
Georgetown (G)	2574	1974	1329	990	3108	2376	2216	1480
Halifax	2346	1240	1795	2125	958	2148	593	1615
Havana	813	531	743	1184	2528	621	1167	340
Jacksonville	1269	-	1012	1442	2164	1071	791	635
Key West	814	470	747	1177	2468	616	1106	332
Miami	980	330	740	1145	2390	733	985	330
Montreal	3267	2164	2690	2995	-	3069	1516	2514
New Orleans	433	1071	1155	1693	3069	-	1707	925
New York	1905	791	1472	1902	1516	1707	-	1264
Newport News	1702	589	1278	1708	1694	1504	284	1061
Norfolk (Va)	1705	592	1281	1711	1697	1507	287	1064
Portland (Maine)	2185	1073	1677	2054	1269	1987	419	1488
Quebec	3128	2025	2551	2856	139	2930	1377	2375
St John (NB)	2303	1195	1794	2145	1220	2105	537	1605
Santa Marta	1627	1323	438	375	3005	1485	1783	752
Santo Domingo	1666	1174	428	491	2607	1522	1491	627
Savannah	1349	148	1060	1490	2078	1151	705	713
Tampa	722	742	964	1440	2737	494	1378	595
Tampico	516	1361	1263	1850	3354	733	2000	1196
Three Rivers	3159	2056	2582	2887	108	2961	1408	2406
Veracruz	665	1321	1200	1740	3318	810	1958	1143

Other ports in E Canada, E Coast of North and Central America, US Gulf, Gulf of Mexico, and the Caribbean Sea

100 REEDS MARINE DISTANCE TABLES

AREA C	Philadelphia	Port Arthur (Texas)	Port of Spain	Puerto Cabello	San Juan, PR	St John's (Newfoundland)	Tampico	Wilmington (N Carolina)
Albany (NY)	360	1962	2057	1964	1524	1222	2124	684
Antigua	1560	1960	400	535	262	1870	2157	1335
Baie Comeau	1350	2884	2580	2791	2130	723	3039	1615
Baltimore	376	1760	1919	1800	1378	1400	1919	482
Barbados	1845	2222	200	510	505	2130	2255	1620
Barranquilla	1740	1561	830	475	692	2498	1561	1403
Beaumont	1833	25	2220	1917	1711	2773	548	1425
Bermuda	728	1826	1356	1343	866	1071	1985	693
Brownsville	1923	311	2228	1916	1787	2863	258	1515
Cape Race (NF)	1176	2668	2211	2300	1804	78	2826	1418
Charleston	599	1311	1677	1548	1139	1571	1468	149
Colón	1946	1481	1140	788	992	2697	1473	1609
Freeport	892	977	1410	1290	870	1847	1160	510
Galveston	1833	75	2211	1899	1711	2773	473	1425
Georgetown (G)	2224	2506	364	740	876	2471	2551	2008
Halifax	743	2278	2055	2060	1580	543	2438	1007
Havana	1140	749	1478	1240	969	2078	864	727
Jacksonville	763	1201	1663	1500	1121	1735	1361	306
Key West	1078	746	1472	1235	965	2017	905	668
Miami	952	912	1453	1245	960	1907	1095	520
Montreal	1665	3199	2895	2930	2445	1038	3354	1930
New Orleans	1678	388	2065	1795	1556	2618	733	1270
New York	235	1837	1932	1839	1399	1097	1999	559
Newport News	250	1634	1793	1675	1252	1274	1793	356
Norfolk (Va)	253	1637	1796	1678	1255	1277	1796	359
Portland (Maine)	570	2117	2042	1989	1533	853	2276	841
Quebec	1526	3060	2756	2791	2306	899	3215	1791
St John (NB)	688	2235	2110	2080	1615	802	2393	961
Santo Domingo	1481	1616	678	480	230	2032	1637	1205
Santa Marta	1757	1578	790	440	667	2473	1578	1420
Savannah	676	1281	1690	1548	1155	1647	1439	223
Tampa	1347	652	1735	1498	1226	2289	917	940
Tampico	1965	523	2220	1906	1818	2908	-	1557
Three Rivers	1557	3091	2787	2822	2332	930	3246	1822
Veracruz	1926	660	2158	1842	1754	2870	221	1519

REEDS MARINE DISTANCE TABLES 101

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

AREA D	Baie Comeau	Baltimore	Boston	Cartagena (Colombia)	Charleston	Churchill	Cienfuegos	Colón
Azores (Pt Delgada)	1955	2590	2090	3170	2685	2852	3073	3400
Bahia Blanca	6296	6195	6100	5259	6065	7789	5768	5734
Beira C	8260	8390	8176	7727	8292	9447	8081	7935
Belem	3358	2953	2970	2172	2786	4755	2527	2309
Buenos Aires (^)	6124	5979	5880	5154	5845	7397	5526	5390
Cape Horn	7188	6007	6914	6207	6868	8608	6595	6442
Cape Town	6770	6900	6707	6207	6830	7971	6580	6465
Conakry	3603	3801	3606	3724	3904	4769	4005	3951
Dakar	3210	3526	3221	3431	3557	4399	3540	3694
Dar es Salaam	8026†	8600†	8170†	8564C	8725†	8700†	9244†	8772C
Diego Suarez	8074†	8648†	8218†	8567C	8773†	8800†	9292†	8825C
Douala	5149	5422	5134	5169	5423	6353	5460	5404
Durban	7567C	7740C	7483C	7034	7599	8755C	7388	7242C
East London C	7314	7455	7230	6781	7346	8499	7135	6989
Lagos	4867	5063	4774	4801	5065	5982	5174	5050
Las Palmas	2730	3265	2765	3557	3360	3729	3685	3750
Lobito	5643	5958	5693	5577	5925	6400	6059	5805
Luanda	5575	5850	5563	5522	5853	6332	5863	5757
Madeira	2490	3025	2525	3542	3235	3463	3574	3735
Maputo C	7863	8040	7779	7330	7895	9049	7684	7538C
Mauritius	9005C	9135C	8942C	8442C	9065C	9293†	8815C	8700C
Mogadiscio †	7236	7891	7449	8505	8015	8063	8527	8731
Mombasa	7846†	8420†	7990†	8744C	8545†	8561†	9064†	8952C
Monrovia	3911	4225	3908	3936	4207	5077	4308	4266
Montevideo	6010	5855	5760	4836	5725	7380	5547	5336
Mozambique I	8740C	8870C	8656C	8207C	8772C	9082†	8561C	8415C
Port Elizabeth C	7193	7311	7109	6660	7225	8377	7014	6868
Port Harcourt	5019	5293	5005	5040	5294	6223	5331	5276
Porto Alegre	5850	5669	5580	4870	5530	7270	5259	5104
Recife	3951	3772	3669	2869	3649	5939	3414	3217
Réunion Island	8880C	9015C	8817C	8317C	8940C	9315†	8680C	8575C
Rio de Janeiro	5023	4845	4750	4139	4715	6412	4490	4289
Salvador	4342	4163	4060	3266	4040	5726	3770	3696
Santos	5180	5020	4925	4162	4890	6599	4675	4565
Sao Vicente Island	2850	3150	2845	2993	3100	4097	3233	3225
Takoradi	4447	4761	4444	4472	4743	5664	4844	4802
Tema	4650	4945	4606	4400	4870	5762	4870	4899
Tramandai	5723	5545	5450	4839	5415	7120	5190	4989
Vitoria (Brazil)	4773	4595	4500	3889	4465	6162	4240	4039
Walvis Bay	6142	6325	6131	5802	6356	7354	6324	6017

102 REEDS MARINE DISTANCE TABLES

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

AREA D	Curaçao	Duluth-Superior	Freeport (Bahamas)	Galveston	Georgetown (Guyana)	Halifax	Havana	Jacksonville
Azores (Pt Delgada)	2782	3475	2719	3925	2565	1770	3057	2865
Bahia Blanca	4918	7916	5829	6669	4237	6010	5945	6127
Beira C	7191	9780	7981	8771	6480	8000	8220	8316
Belem	1623	4878	2429	3363	896	3025	2654	2690
Buenos Aires (^)	4639	7944	5525	6421	3954	5790	5725	5808
Cape Horn	5752	8708	6554	7476	5033	6809	6734	6880
Cape Town	5811	8290	6681	7472	4996	6510	6724	6854
Conakry	3276	5123	3748	4820	2650	3349	4083	4000
Dakar	3050	4730	3336	4452	2450	2956	3716	3650
Dar es Salaam	8028C	9546†	8770†	9860†	7317C	7785†	9154†	8877†
Diego Suarez	8171C	9594†	8818†	9908†	7456C	7833†	9202†	8925†
Douala	4717	6670	5262	6280	4074	4881	5538	5505
Durban	6498	9087	7288	8077	5787	7350	7527	7623
East London C	6245	8834	7035	7825	5534	7065	7274	7370
Lagos	4359	6387	4793	5940	3642	4426	5083	4932
Las Palmas	3098	4250	3372	4365	2740	2445	3738	3480
Lobito	5119	7163	5856	6793	4413	5294	6044	6024
Luanda	5069	7100	5684	6681	4386	5336	5941	5934
Madeira	3118	4010	3166	4240	2771	2205	3564	3255
Maputo C	6794	9383	7584	8374	6083	7650	7823	7919
Mauritius	8046	10525	9611	9707	7231	8745	8959	9089
Mogadiscio †	8117	8756	8106	9131	7783	7120	8435	8164
Mombasa	8208C	9366†	8590†	9680†	7497C	7605†	8974†	8697†
Monrovia	3404	5431	4057	5063	2832	3590	4402	4196
Montevideo	4430	7530	5380	6306	3840	5670	5610	5727
Mozambique I	7671	10260	8461	9251	6960	8480	8700	8796
Port Elizabeth C	6124	8713	6914	7704	5413	6930	7153	7249
Port Harcourt	4588	6539	5133	6151	3949	4752	5409	5376
Porto Alegre	4414	7370	5218	6140	3695	5471	5399	5542
Recife	2463	5471	3348	4248	1781	3558	3513	3668
Réunion Island	7921	10400	9486	9582	7106	8620	8834	8964
Rio de Janeiro	3535	6543	4420	5320	2853	4660	4595	4740
Salvador	2853	5862	3776	4639	2172	3949	3939	4127
Santos	3714	6700	4599	5507	3066	4835	4770	4940
Sao Vicente Island	2514	4370	2886	4080	2037	2670	3284	3200
Takoradi	4040	5967	4593	5599	3368	4120	4938	4732
Tema	4130	6170	4623	5724	3180	4465	4929	4959
Tramandai	4735	7243	5120	6020	3553	5360	5295	5440
Vitoria (Brazil)	3285	6293	4170	5070	2603	4410	4345	4490
Walvis Bay	5354	7662	6131	7091	4580	5935	6367	6384

REEDS MARINE DISTANCE TABLES 103

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

AREA D	Key West	Kingston (Jamaica)	La Guaira	Maracaibo	Mobile	Montreal	New Orleans	New York
Azores (Pt Delgada)	3175	2877	2765	2952	3685	2305	3635	2290
Bahia Blanca	6250	5367	4807	5117	6432	6746	6485	6130
Beira C	6199	7705	7061	7376	8633	8610	8651	8290
Belem	2604	2160	1622	1838	3126	3708	3179	3015
Buenos Aires (^)	5663	5224	4576	4914	6184	6474	6237	5910
Cape Horn	6728	6294	5633	5958	7249	7538	7321	6939
Cape Town	6718	6278	5597	6003	7237	7120	7290	6800
Conakry	4051	3728	3175	3473	4583	3953	4636	3707
Dakar	3709	3436	2911	3214	4215	3560	4268	3335
Dar es Salaam	9079†	8542C	7998C	8213C	9623†	8396†	9676†	8331†
Diego Suarez	9172†	8638C	7957C	8363C	9671†	8424†	9724†	8379†
Douala	5532	5192	4601	4929	6053	5500	6125	5240
Durban C	7506	7012	6368	6683	7939	7917	7957	7640
East London C	7253	6759	6115	6430	7687	7664	7705	7355
Lagos	5051	4800	3997	4463	5696	5217	5749	4883
Las Palmas	3615	3450	3086	3379	4185	3080	4275	2965
Lobito	6048	5640	4993	5314	6556	5993	6609	5725
Luanda	5933	5579	4948	5276	6455	5929	6526	5671
Madeira	3450	3349	3075	3368	4000	2840	4050	2725
Maputo C	7802	7308	6664	6979	8238	8213	8254	7840
Mauritius C	8953	8513	7832	8238	9472	9355	9525	9035
Mogadiscio †	8374	8319	8062	8291	8903	7586	8976	7612
Mombasa	8899†	8722C	8078C	8393C	9443†	8196†	9496†	8151†
Monrovia	4370	3971	3484	3782	4826	4261	4879	4089
Montevideo	5600	4967	4632	4645	6046	6360	6122	5750
Mozambique I C	8679	8185	7541	7856	9113	9091	9131	8770
Port Elizabeth C	7132	6638	5994	6309	7566	7543	7584	7200
Port Harcourt	5403	5063	4461	4800	5924	5369	5996	5111
Porto Alegre	5392	4956	4311	4622	5911	6200	5985	5604
Recife	3539	3000	2270	2678	4011	4301	4064	3698
Réunion Island C	8828	8388	7707	8113	9347	9230	9400	8910
Rio de Janeiro	4600	4193	3461	3750	5083	5373	5136	4780
Salvador	3942	3374	2742	3052	4402	4692	4455	4089
Santos	4795	4293	3641	3929	5245	5530	5298	4955
Sao Vicente Island	3250	3019	2491	2729	3800	3200	3890	2800
Takoradi	4906	4507	4020	4318	5362	4797	5415	4625
Tema	4943	4587	4057	4307	5487	5000	5603	4745
Tramandai	5300	4893	4161	4450	5783	6073	5836	5480
Vitoria (Brazil)	4350	3943	3211	3500	4833	5123	4886	4530
Walvis Bay	6367	5730	5232	5569	6854	6492	6907	6225

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

104 REEDS MARINE DISTANCE TABLES

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

AREA D	Norfolk (Virginia)	Nuevitas	Philadelphia	Port-au-Prince	Portland (Maine)	Port of Spain	Puerto Limón	St John (New Brunswick)
Azores (Pt Delgada)	2450	2728	2440	2773	2070	2557	3391	2000
Bahia Blanca	6101	5611	6180	5399	6135	4444	5784	6115
Beira C	8256	7837	8365	7813	8215	6847	8023	8137
Belem	2838	2171	2950	2192	2997	1212	2478	2998
Buenos Aires (^)	5824	5368	5960	5258	5915	4279	5407	5853
Cape Horn	6884	6425	6985	6314	6945	5332	6603	7940
Cape Town	6790	6395	6875	6311	6725	5307	6586	6667
Conakry	3771	3786	3812	3501	3613	2871	4111	3514
Dakar	3408	3412	3441	3333	3239	2628	3851	3140
Dar es Salaam †	8479	8943	8474	8650	8134	7684	8063	8036
Diego Suarez †	8527†	8991†	8522†	8670C	8182†	7667C	8858C	8084C
Douala	5299	5228	5339	5118	5123	4300	5565	5077
Durban C	7563	7144	7715	7120	7565	6154	7341	7444
East London C	7310	6891	7430	6867	7280	5901	7085	7191
Lagos	4941	4776	4985	4130	4789	3910	5194	4704
Las Palmas	3125	3435	3115	3342	2745	2746	3956	2600
Lobito	5771	5719	5836	5852	5631	4697	5988	5532
Luanda	5727	5635	5770	5521	5555	4647	5918	5506
Madeira	2885	3142	2875	3247	2505	2819	3880	2485
Maputo C	7859	7440	8015	7416	7865	6450	7635	7740
Mauritius C	9025	8630	9110	8546	8960	7542	8836	8902
Mogadiscio †	7768	8223	7753	8188	7413	7827	8864	7339
Mombasa †	8299	8763	8294	8830	7954	7864	9012	7856
Monrovia	4084	4087	4169	3940	3875	3092	4305	3838
Montevideo	5710	5243	5840	5222	5795	4150	5310	5739
Mozambique I C	8763	8317	8845	8293	8695	7321	8386	8617
Port Elizabeth C	7189	6770	7295	6746	7145	5780	6963	7070
Port Harcourt	5170	5099	5210	4989	4994	4430	5436	4948
Porto Alegre	5546	5087	5648	4976	5610	4090	5267	5605
Recife	3651	3169	3745	3030	3700	2106	3336	3498
Réunion Island	8900	8505	8985	8421	8835	7417	8589	8777
Rio de Janeiro	4723	4308	4830	4221	4785	3240	4410	4752
Salvador	4042	3619	4136	3406	4091	2379	3721	4050
Santos	4910	4554	5005	4314	4960	3368	4595	4935
Sao Vicente Island	3000	2969	3050	2915	2845	2225	3402	2750
Takoradi	4620	4623	4708	4476	4410	3632	4884	4374
Tema	5155	4618	4845	4487	4640	3428	4980	4629
Tramandai	5423	5008	5530	4921	5485	3940	5117	5452
Vitoria (Brazil)	4473	4058	4580	3971	4535	2990	4141	4502
Walvis Bay	6275	6052	6300	5711	6150	4878	6201	5964

REEDS MARINE DISTANCE TABLES 105

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

AREA D	St John's (Newfoundland)	San Juan (Puerto Rico)	Santiago de Cuba	Santo Domingo	Tampa	Tampico	Veracruz	Wilmington (N Carolina)
Azores (Pt Delgada)	1325	2412	2751	2620	3365	3965	3831	2504
Bahia Blanca	5927	5027	5388	4977	6193	6793	6753	6088
Beira C	7689	7262	7819	7227	8470	8791	8729	8288
Belem	2968	1668	2175	1866	2887	3387	3325	2753
Buenos Aires (^)	5666	4755	5215	4881	5945	6437	6378	5805
Cape Horn	6749	5832	6308	5950	6991	7515	7451	6858
Cape Town	6205	5767	6311	5934	6998	7492	7430	6804
Conakry	3026	3116	3462	3348	4344	4944	4904	3793
Dakar	2646	2812	3350	3036	3976	4576	4536	3406
Dar es Salaam	7313†	8099C	8656C	8064C	9384†	9984†	9926†	8663†
Diego Suarez	7461†	8127C	8671C	8294C	9432†	10032†	9874†	8711†
Douala	4590	4585	5146	4794	5795	6390	6325	5366
Durban C	6996	6569	7126	6534	7777	8097	8035	7595
East London C	6743	6316	6873	6281	7524	7878	7783	7342
Lagos	4592	3590	4205	4447	5457	6057	6017	4863
Las Palmas	2030	2863	3320	3004	3945	4545	4505	3311
Lobito	5056	5038	5619	5255	6317	6917	6877	5919
Luanda	5019	4983	5549	5187	6196	6792	6728	5793
Madeira	1850	2773	3225	2977	3750	4342	4302	3193
Maputo C	7292	6865	7422	6830	8073	8394	8332	7891
Mauritius C	7440	8002	8546	8169	9233	9727	9665	9039
Mogadiscio †	6605	7764	8213	7976	8646	9263	9233	7954
Mombasa	7133†	8279C	8836C	8244C	9204†	9804†	9746C	8483†
Monrovia	3338	3360	3918	3581	4587	5187	5147	4123
Montevideo	5551	4640	5100	4766	5830	6322	6263	5690
Mozambique I C	7169	7742	8299	7707	8950	9271	9209	8768
Port Elizabeth C	6622	6195	6752	6160	7412	7724	7662	7221
Port Harcourt	4461	4455	5017	4664	5666	6261	6196	5237
Porto Alegre	5413	4463	4972	4379	5653	6179	6113	5520
Recife	3491	2609	2995	2757	3772	4266	4204	3600
Réunion Island	7315	7877	8421	8044	9108	9602	9540	8914
Rio de Janeiro	4563	3613	4200	3829	4844	5338	5276	4704
Salvador	3862	2962	3395	2964	4163	4763	4723	4023
Santos	4744	3832	4293	4014	5031	5513	5451	4877
Sao Vicente Island	2300	2354	2893	2572	3550	4150	4115	3057
Takoradi	3874	3896	4454	4117	5123	5723	5683	4659
Tema	4087	4004	4539	4135	5248	5804	5742	4817
Tramandai	5263	4313	4900	4529	5544	6038	5976	5404
Vitoria (Brazil)	4313	3363	3950	3579	4594	5088	5026	4454
Walvis Bay	5567	5107	5692	5538	6615	7215	7175	6270

106 REEDS MARINE DISTANCE TABLES

All distances on this page via the Suez Canal.

AREA E	AREA C							
	Baie Comeau	Baltimore	Boston	Cartagena (Colombia)	Charleston	Churchill	Cienfuegos	Colón
Abadan	8164	8738	8308	9369	8863	8897	9382	9578
Aden	6234	6808	6378	7439	6933	6964	7452	7648
Aqaba	5133	5788	5346	6402	5912	5957	6424	6628
Bahrain	7967	8522	8080	9136	8646	8691	9158	9362
Bandar Abbas	7588	8143	7800	8857	8337	8412	8879	9083
Basrah	8228	8794	8369	6425	8919	8926	9438	9634
Bassein	9519	10093	9663	10724	10218	10208	10737	10933
Bhavnagar	7763	8418	7976	9028	8542	8587	9054	9258
Bushehr	8004	8578	8148	9209	8703	8751	9222	9418
Chennai	8891	9465	9035	10096	9590	9607	9923	10305
Chittagong	9674	10248	9818	10879	10373	10309	10892	11088
Cochin	8030	8604	8174	9235	8729	8807	9248	9444
Colombo	8330	8904	8474	9535	9029	9051	9548	9744
Djibouti	6114	6688	6258	7319	6813	6947	7332	7528
Dubai	7666	8221	7878	8935	8415	8490	8957	9161
Fujairah	7500	8055	7712	8769	8249	8324	8791	8995
Jeddah	5554	6128	5698	6759	6253	6293	6772	6968
Karachi	7705	8279	7849	8910	8404	8429	8923	9119
Kolkata	9539	10113	9683	10744	10238	10261	10757	10953
Kuwait	8053	8708	8266	9322	8832	8876	9344	9548
Malacca	9756	10430	9900	10961	10455	10461	10974	10872
Mangalore	6052	6568	6138	7199	6693	6696	7212	7408
Massawa	5834	6408	5978	7039	6533	6630	7052	7248
Mina al Ahmadi	8033	8688	8246	9302	8812	8856	9324	9528
Mongla	9644	10218	9788	10849	10343	10275	10862	11058
Mormugao	6002	6518	6088	7149	6643	6646	7162	7358
Moulmein	9604	10178	9748	10809	10303	10312	10822	11018
Mumbai	7891	8465	8035	9096	8590	8616	9109	9305
Musay'td	7833	8488	8046	9102	8612	8661	9124	9328
Penang	9571	10145	9715	10776	10270	10393	10789	10915
Port Blair	9099	9754	9312	10368	9878	9930	10390	10594
Port Kelang	9648	10222	9792	10853	10347	10387	10866	10764
Port Okha	7633	8288	7846	8902	8412	8457	8924	9128
Port Sudan	5623	6197	5767	6828	6322	6351	6841	7037
Quseir	5184	5758	5328	6389	5883	5912	6402	6598
Rangoon	9539	10113	9683	10744	10238	10266	10757	10953
Singapore	9864	10438	10008	10829	10563	10584	11082	10548
Sittwe	9574	10148	9718	10779	10273	10242	10792	10988
Suez	4926	5500	5070	6131	5623	5657	6144	6340
Trincomalee	8514	9088	8658	9719	9213	9337	9732	9928
Veraval	7623	8278	7836	8892	8402	8447	8914	9118
Vishakhapatnam	7264	7880	7450	8511	8005	8051	8538	8742

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All distances on this page via the Suez Canal.

AREA E	AREA C							
	Curaçao	Duluth-Superior	Freeport (Bahamas)	Galveston	Georgetown (Guyana)	Halifax	Havana	Jacksonville
Abadan	8953	9684	8908	9998	8619	7923	9292	9015
Aden	7023	7754	6978	8068	6689	5993	7362	7085
Aqaba	6014	6653	6003	7026	5680	5017	6332	6061
Bahrain	8748	9387	8737	9862	8414	7751	9066	9795
Bandar Abbas	8469	9108	8458	9483	8135	7472	8787	8516
Basrah	9009	9748	8964	10054	8675	7979	9348	9071
Bassein	10308	11039	10263	11353	9974	9278	10647	10370
Bhavnagar	8644	9283	8633	9658	8310	7647	8962	8691
Bushehr	8793	9124	8748	9838	8459	7763	9132	8860
Chennai	9680	10411	9635	10725	9346	8650	10019	9742
Chittagong	10463	11194	11418	11508	10129	9433	10802	10525
Cochin	8819	9550	8774	9864	8485	7789	9158	8881
Colombo	9119	9850	9074	10164	8785	8089	9458	9181
Djibouti	6903	7634	6858	7948	6560	5873	7242	6965
Dubai	8547	9186	8536	9561	8213	7550	8865	8594
Fujairah	8381	9020	8370	9395	8047	7384	8699	8428
Jeddah	6343	7074	6298	7388	6009	5313	6682	6405
Karachi	8494	9225	8449	9539	8160	7464	8833	8556
Kolkata	10328	11059	10283	11373	9994	9298	10667	10390
Kuwait	8934	9573	8923	9948	8600	7937	9252	8981
Malacca	10545	11276	10500	11591	10211	9515	10884	10607
Mangalore	8783	7572	8710	9828	8449	7753	9122	8845
Massawa	6623	7354	6578	7668	8289	5593	6962	6685
Mina al Ahmadi	8914	9553	8903	9928	8580	7917	9232	8961
Mongla	10433	11164	11388	11478	10099	9403	10772	10495
Mormugao	8733	7522	8660	9778	8399	7703	9072	8795
Moulmein	10393	11124	10348	11438	10059	9363	10732	10455
Mumbai	8680	9411	8635	9725	8346	7650	9019	8742
Musay'td	8714	9353	8703	9728	8380	7717	9032	8761
Penang	10360	11091	10315	11405	10026	9330	10699	10422
Port Blair	9980	10619	9969	10994	9646	8983	10298	10027
Port Kelang	10437	11168	10392	11483	10103	9407	10776	10499
Port Okha	8514	9153	8503	9528	8180	7517	8832	8561
Port Sudan	6412	7143	6367	7457	6078	5382	6751	6474
Quseir	5973	6704	5928	7018	5639	4943	6312	6035
Rangoon	10328	11059	10283	11373	9994	9298	10667	10390
Singapore	10653	11384	10608	11698	10319	9623	10992	10715
Sittwe	10363	11094	10318	11408	10029	9333	10702	10425
Suez	5715	6446	5670	6760	5381	4685	6054	6777
Trincomalee	9303	10034	9258	10348	8969	8273	9642	9365
Veraval	8504	9143	8493	9518	8170	7507	8822	8551
Vishakhapatnam	9995	8784	9950	11040	9661	8965	10334	10057

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All distances on this page via the Suez Canal.

AREA E	Key West	Kingston (Jamaica)	La Guaira	Maracaibo	Mobile	Montreal	New Orleans	New York
Abadan	9217	9186	8902	9180	9761	8514	9814	8469
Aden	7287	7256	6972	7250	7831	6584	7884	6539
Aqaba	6271	6216	5956	6188	6800	5483	6873	5509
Bahrain	9005	8950	8690	8922	9534	8217	9607	8243
Bandar Abbas	8726	8671	8411	8643	9255	7938	9328	7964
Basrah	9273	9242	8928	9236	9817	8578	9870	8525
Bassein	10572	10541	10257	10535	11116	9869	11169	9824
Bhavnagar	8901	8846	8600	8818	9430	8113	9503	8139
Bushehr	9062	9031	8747	9025	9606	8359	9654	8309
Chennai	9944	9913	9629	9907	10488	9241	10541	9196
Chittagong	10727	10696	10412	10690	11271	10024	11324	9979
Cochin	9083	9052	8768	9046	9627	8380	9680	9335
Colombo	9383	9352	9068	9346	9927	8680	9980	8635
Djibouti	7167	7136	6852	7130	7711	6464	7764	7419
Dubai	8804	8749	8489	8721	9333	8016	9406	8042
Fujairah	8638	8583	8323	8555	9167	7850	9240	7876
Jeddah	6607	6576	6292	6570	7151	5904	7204	5859
Karachi	8785	8727	8443	8721	9302	8055	9355	8010
Kolkata	10592	10561	10277	10555	11136	9889	11189	9844
Kuwait	9191	9136	8875	9108	9720	8403	9793	8429
Malacca	10809	10778	10494	10772	11353	10106	11406	10061
Mangalore	9047	9016	8732	9010	9591	6402	9596	8721
Massawa	6887	6856	6572	6850	7431	6184	7484	6139
Mina al Ahmadi	9171	9116	8855	9088	9700	8383	9773	8409
Mongla	10697	10666	10382	10660	11241	9994	11294	9949
Mormugao	8997	8966	8682	8960	9541	6352	9546	8221
Moulmein	10657	10626	10342	10620	11201	9954	11254	9909
Mumbai	8944	8913	8629	8907	9488	8241	9541	8196
Musay'td	8971	8916	8660	8888	9500	8183	9573	8209
Penang	10624	10593	10309	10587	11168	9921	11221	9876
Port Blair	10237	10182	9922	10154	10766	9449	10839	9475
Port Kelang	10701	10670	10386	10664	11245	9998	11298	9953
Port Okha	8771	8716	8470	8688	9300	7983	9373	8009
Port Sudan	6676	6645	6361	6639	7220	5973	7273	5928
Quseir	6237	6206	5922	6200	6781	5534	6834	5489
Rangoon	10592	10561	10277	10555	11136	9889	11189	9844
Singapore	10917	10886	10602	10880	11461	10214	11514	10169
Sittwe	10627	10596	10312	10590	11171	9924	11224	9879
Suez	5979	5948	5664	5942	6523	5276	6576	5231
Trincomalee	9567	9536	9252	9530	10111	8864	10164	8819
Veraval	8761	8706	8460	8678	9290	7973	9372	7999
Vishakhapatnam	10259	10228	9860	10222	10803	7614	10856	9511

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All distances on this page via the Suez Canal.

AREA E	Norfolk (Virginia)	Nuevitas	Philadelphia	Port-au-Prince	Portland (Maine)	Port of Spain	Puerto Limón	St John (New Brunswick)
Abadan	8617	9081	8612	9025	8272	8671	9699	8174
Aden	6687	7151	6682	7095	6342	6741	7767	6244
Aqaba	5665	6120	5650	6085	5309	5715	6761	5236
Bahrain	8400	8854	8384	8819	8043	8449	9495	7970
Bandar Abbas	8129	8575	8105	8540	7764	8170	9216	7691
Basrah	8673	9137	8668	9081	8328	8727	9729	8230
Bassein	9972	10436	9967	10380	9627	10026	11011	9529
Bhavnagar	8295	8750	8280	8715	7939	8345	9391	7866
Bushehr	8462	8921	8452	8865	8112	8511	9554	8014
Chennai	9344	9808	9339	9752	8999	9398	10410	8901
Chittagong	10127	10591	10122	10535	9782	10181	11112	9684
Cochin	8483	8947	8478	8991	8138	8537	9610	8040
Colombo	8783	9247	8778	9191	8438	8837	9854	8340
Djibouti	6567	7031	6562	6975	6222	6621	7763	6124
Dubai	8207	8653	8183	8618	7842	8248	9294	7769
Fujairah	8041	8487	8017	8452	7676	8082	9128	7603
Jeddah	6007	6471	6002	6415	5662	6061	7096	5564
Karachi	8158	8622	8153	8566	7813	8212	9232	7715
Kolkata	9992	10456	9987	10400	9647	10046	11064	9549
Kuwait	8585	9040	8570	9005	8229	8634	9681	8156
Malacca	10209	10673	10204	10617	9864	10263	11264	9766
Mangalore	8419	8883	8414	8827	8074	8473	9499	7976
Massawa	6287	6751	6282	6695	5942	6341	7435	5844
Mina al Ahmadi	8565	9020	8550	8985	8209	8614	9661	8136
Mongla	10097	10561	10092	10505	9752	10151	11078	9654
Mormugao	8369	8833	8364	8777	8024	8423	9449	7926
Moulmein	10057	10521	10052	10465	9712	10111	11115	9614
Mumbai	8344	8808	8339	8752	7999	8398	9416	7901
Musay'td	8365	8820	8350	8785	8009	8419	9461	7936
Penang	10024	10488	10019	10432	9679	10078	11096	9581
Port Blair	9631	10080	9616	10051	9275	9681	10727	9202
Port Kelang	10101	10565	10096	10509	9756	10155	11190	9658
Port Okha	8165	8620	8150	8585	7809	8215	9261	7736
Port Sudan	6076	6540	6071	6484	5731	6130	7154	5633
Quseir	5637	6101	5632	6045	5292	5691	6715	5194
Rangoon	9992	10456	9987	10400	9647	10046	11069	9549
Singapore	10317	10781	10312	10725	9972	10371	11387	9874
Sittwe	10027	10491	10022	10435	9682	10081	8309	9584
Suez	5379	5843	5374	5787	5034	5433	6460	4936
Trincomalee	8967	9431	8962	9375	8622	9021	10140	8524
Veraval	8155	8610	8140	8575	7799	8205	9251	7726
Vishakhapatnam	9859	10123	9654	10067	9314	9629	10674	9216

All distances on this page via the Suez Canal.

AREA E	AREA C							
	St John's (Newfoundland)	San Juan (Puerto Rico)	Santiago de Cuba	Santo Domingo	Tampa	Tampico	Veracruz	Wilmington (N Carolina)
Abadan	7451	8601	9060	8823	9522	10122	10082	8801
Aden	5521	6671	7130	6893	7592	8192	8152	6871
Aqaba	4502	5658	6110	5870	6543	7810	7122	5851
Bahrain	7236	8392	8844	8604	9277	9894	9856	8575
Bandar Abbas	6957	8113	8565	8325	8998	9615	9517	8306
Basrah	7507	8657	9116	8879	9578	10178	10138	8857
Bassein	8806	9956	10415	10178	10877	11477	11437	10156
Bhavnagar	7132	8299	8740	8521	9173	9790	9752	8481
Bushehr	7291	8441	8900	8663	9362	9962	9922	8641
Chennai	8179	9328	9787	9550	10249	10849	10809	9528
Chittagong	8961	10111	10570	10333	11032	11632	11592	10311
Cochin	7217	8467	8926	8689	9388	9988	9948	8667
Colombo	7617	8767	9226	8989	9688	10288	10248	8967
Djibouti	5401	6551	7010	6773	7472	8072	8032	6751
Dubai	7035	8191	8643	8403	9076	9693	9595	8384
Fujairah	6869	8025	9477	8237	8910	9527	9429	8218
Jeddah	4841	5991	6450	6213	6912	7512	7472	6191
Karachi	8992	8142	8601	8364	9063	9663	9623	8342
Kolkata	8826	9976	10435	10198	10897	11497	11457	10176
Kuwait	7422	8577	9030	8789	9463	10080	10042	8771
Malacca	9043	10193	10652	10415	11084	11714	11674	10393
Mangalore	7253	8403	8862	8653	9304	9904	9864	8603
Massawa	5121	6271	6730	6493	7192	7792	7752	6471
Mina al Ahmadi	7402	8557	9010	8769	9443	10060	10022	8751
Mongla	8931	10081	10540	10303	11002	11602	11562	10281
Mormugao	7203	8353	8812	8603	9254	9854	9814	8553
Moulmein	8891	10041	10500	10273	10962	11562	11522	10241
Mumbai	7178	8328	8787	8550	9249	9849	9809	8528
Musay'ad	7202	8362	8810	8574	9243	9860	9822	8551
Penang	8858	10008	10487	10230	10929	11529	11489	10208
Port Blair	8468	9624	10076	9836	10509	11126	11086	9817
Port Kelang	8935	10085	10544	10307	10976	11606	11566	10285
Port Okha	7002	8169	8610	8391	9043	9660	9622	8351
Port Sudan	4910	6060	6519	6282	6981	7581	7541	6260
Quseir	4471	5621	6080	5843	6542	7142	7102	5821
Rangoon	8826	9976	10435	10198	10897	11497	11457	10176
Singapore	9151	10301	10760	10523	11222	11822	11782	10501
Sittwe	8861	10011	10470	10233	10932	11532	11492	10211
Suez	4213	5363	5822	5585	6284	6884	6844	5563
Trincomalee	7801	8951	9410	9173	9872	10472	10511	9151
Veraval	6992	8159	8600	8381	9033	9650	9612	8341
Vishakhapatnam	8493	9572	10102	9785	10564	11164	11124	9843

AREA F	AREA C							
	Baie Comeau	Baltimore	Boston	Cartagena (Colombia)	Charleston	Churchill	Cienfuegos	Colón
Balikpapan	10891†	11163*	11035†	9543*	11590†	11652†	10034*	9262*
Bangkok	10896†	11280†	11040†	11048*	11595†	11857†	11537*	19765*
Basuo (Hainan Is)	11150†	11575*	11294†	9955*	11238*	11911†	10446*	9750*
Busan	11257*	10254*	10510*	8634*	9917*	12795*	9125*	8353*
Cam Pha	11324†	11583*	11468†	9963*	11246*	12085†	10454*	8682*
Cebu	11219†	11157*	11363†	9537*	10820*	11980†	10028*	9526*
Dalian	11581*	10586*	10842*	8966*	10249*	13127*	9457*	8685*
Haiphong	11224†	11613*	11368†	9993*	11276*	11985†	10484*	9712*
Ho Chi Minh City	10513†	11087†	10657†	10342*	11625*	11274†	10833*	10061*
Hong Kong	11318†	11140*	11395*	9519*	10810*	12079†	10010*	9238*
Hungnam	10384*	9381*	9637*	8761*	9044*	11982*	8252*	7540*
Inchon	12132*	11129*	11385*	9509*	10792*	13184†	10000*	9228*
Kampong Saom	10590†	10980†	10740†	10745*	11295†	11351†	11235*	10465*
Kaohsiung (Taiwan)	11381†	10897*	11129*	9269*	10553*	12142†	9768*	8993*
Keelung (Taiwan)	11669†	10668*	10924*	9048*	10331*	12430†	9539*	8767*
Kobe	10908*	9905*	10161*	8285*	9568*	12446*	8776*	8004*
Makassar	10854†	11428†	10998†	9839*	11553†	11619†	10798*	10036*
Manado	11321†	11297*	11465†	9677*	10960*	12082†	10168*	9396*
Manila	11194*	11291*	11338†	9671*	10954*	11955†	10162*	9390*
Masinloc	11235*	11330*	11378†	9715*	10995*	11622†	10205*	9430*
Moji	11157*	10154*	10410*	8534*	9817*	12695*	9025*	8253*
Muroran	11017*	10014*	10270*	8394*	9677*	12555*	8885*	7483*
Nagasaki	11148*	10145*	10401*	8525*	9808*	12686*	9016*	8244*
Nagoya	10664*	9961*	9917*	8041*	9324*	12202*	8536*	7760*
Nampo	11531*	10536*	10792*	8916*	10199*	13077*	9407*	8625*
Osaka	10916*	9913*	10169*	8293*	9576*	12454*	8784*	8012*
Otaru	11152*	10149*	10405*	8529*	9812*	12690*	9020*	8248*
Palembang	10046†	10620†	10190†	11317*	10745†	11250*	11264†	11036*
Qingdao	11523*	10520*	10776*	8900*	10183*	13061*	9391*	8619
Qinhuangdao	11840*	10837*	11093*	9217*	10500*	13362†	9703*	8936*
Sabang	9263†	9837†	9408†	10472†	9963†	10028†	10480†	10681†
Shanghai	11597*	10594*	10850*	8966*	10260*	12835†	9467*	8690*
Shimonoseki	11182*	10179*	10435*	8559*	9842*	12720*	9050*	8278*
Singapore	9864†	10438†	10008†	10829*	10563†	10629†	11082†	10548*
Surabaya	10504†	11088†	10648†	10594*	11311†	11265†	11085*	10313*
Tanjung Priok	10131†	10715†	10275†	10967*	10830†	10892†	11349†	10686*
Tokyo	10647*	9644*	9900*	8024*	9307*	12185*	9515*	7743*
Toyama	11335*	10334*	10590*	8715*	9995*	12875*	9185*	8433*
Vladivostok	10689*	9686*	9942*	8066*	9349*	12227*	8557*	7785*
Yokohama	10629*	9626*	9882*	8006*	9289*	12167*	8497*	7725*

AREA F	Curaçao	Duluth-Superior	Freeport (Bahamas)	Galveston	Georgetown (Guyana)	Halifax	Havana	Jacksonville
Balikpapan	9939*	12411†	10440*	10755*	10777*	10650†	10265*	10778*
Bangkok	11442*	12416†	11640†	12258*	11351†	10655†	11768*	11747†
Basuo (Hainan Is)	10427*	12670†	10928*	11243*	11265*	10909†	10753*	11190*
Busan	9030*	12777*	9531*	9846*	9876*	19648*	9356*	9869*
Cam Pha	10359*	12844†	10860*	11175*	11197*	11083†	10685*	11198*
Cebu	9933*	12739†	10434*	10749*	10776*	10978†	10259*	10772*
Dalian	9362*	13101*	9863*	10178*	10200*	10980*	9688*	10201*
Haiphong	10389*	12744†	10890*	11205*	11227*	10983†	10715*	11228*
Ho Chi Minh City	10738*	12033†	11239*	11554*	10968†	10272†	11064*	11364†
Hong Kong	9927*	12838†	10416*	10731*	10753*	11077†	10240*	10754*
Hungnam	8217*	11964*	8718*	9033*	9055*	9835*	8543*	9056*
Inchon	9905*	13652*	10406*	10721*	10743*	10231*	10231*	10744*
Kampong Saom	11140*	12115†	11340†	11955*	11050†	10355†	11465*	11447†
Kaohsiung (Taiwan)	9684*	12901†	10158*	10478*	10468*	11291*	9983*	10498*
Keelung (Taiwan)	9444*	13189†	9945*	10260*	10282*	11062*	9770*	10283*
Kobe	8681*	12428*	9182*	9497*	9519*	10299*	9007*	9520*
Makassar	10703*	12374†	11204*	11519*	11309†	10613†	11029†	11542†
Manado	10073*	12841†	10574*	10989*	10911*	11080†	10399*	10909*
Manila	10067*	12714†	10568*	10883*	10905*	10953†	10393*	10906*
Masinloc	10107*	12755†	10609*	10925*	10945*	10995†	10435*	10945*
Moji	8930*	12677*	9431*	9746*	9768*	10548*	9256*	9769*
Muroran	8790*	12537*	9291*	9606*	9628*	10408*	9116*	9629*
Nagasaki	8921*	12668*	9422*	8737*	9759*	10539*	9247*	9760*
Nagoya	8437*	12184*	8938*	9253*	9275*	10055*	8763*	9276*
Nampo	9312*	13051*	9813*	10128*	10150*	10930*	9638*	10151*
Osaka	8689*	12436*	9190*	9505*	9527*	10307*	9015*	9528*
Otaru	8925*	12672*	9426*	9741*	9763*	10543*	9251*	9764*
Palembang	10835†	11566†	10790†	11880†	10501†	9805†	11174†	10897†
Qingdao	9296*	13043*	9797*	10112*	10134*	10914*	9622*	10135*
Qinhuangdao	9613*	13360*	10114*	10429*	10451*	11231*	9939*	10452*
Sabang	10052†	10783†	10007†	11097†	9718†	9022†	10391†	10114†
Shanghai	9377*	13117*	9811*	10186*	10208*	10988*	9693*	10209*
Shimonoseki	8955*	12702*	9456*	9771*	9793*	10573*	9281*	9794*
Singapore	10653†	11384†	10608†	11698†	10319†	9623†	10992†	10715†
Surabaya	10990*	12024†	11248†	11806*	10551C	10263†	11316*	11355†
Tanjung Priok	10889C	11651†	10875†	11965†	10178C	9890†	11259†	10982†
Tokyo	8420*	12167*	8921*	9236*	9258*	10038*	8746*	9259*
Toyama	9110*	12857*	9611*	9926*	9948*	10728*	9436*	9949*
Vladivostok	8462*	12209*	8963*	9678*	9300*	10080*	8788*	9301*
Yokohama	8402*	12149*	8903*	9218*	9240*	10020*	8788*	9241*

AREA F	Key West	Kingston (Jamaica)	La Guaira	Maracaibo	Mobile	Montreal	New Orleans	New York
Balikpapan	10327*	9813*	10103*	9862*	10632*	11241†	10652*	11196†
Bangkok	11830*	11316*	11606*	11356*	12140*	11246†	12155*	11201†
Basuo (Hainan Is)	10739*	10225*	10515*	10274*	11044*	11500†	11064*	11455†
Busan	9418*	8904*	9194*	8953*	9723*	11607*	9743*	10327*
Cam Pha	10747*	10233*	10523*	10282*	11052*	11674†	11072*	11629†
Cebu	10321*	9807*	10097*	9856*	10626*	11569†	10646*	11230*
Dalian	9750*	9236*	9526*	9285*	10055*	11931*	10075*	10659*
Haiphong	10777*	10263*	10553*	10312*	11082*	11574†	11102*	11529†
Ho Chi Minh City	11126*	10612*	10902*	10661*	11431*	10863†	11451*	10818†
Hong Kong	10306*	9789*	10079*	9838*	10608*	11668*	10630*	11230*
Hungnam	8605*	8091*	8381*	8140*	8910*	10794*	8930*	9514*
Inchon	10293*	9779*	10069*	9828*	10598*	12482*	10618*	11202*
Kampong Saom	11530*	11015*	11305*	11055*	11840*	10946†	9115*	9699*
Kaohsiung (Taiwan)	10047*	9548*	9910*	9669*	10356*	11731†	10383*	10967*
Keelung (Taiwan)	9832*	9318*	9608*	9367*	10137*	12019†	10157*	10741*
Kobe	9069*	8555*	8845*	8604*	9374*	11258*	9394*	9978*
Makassar	11091*	10577*	10867*	10626*	11396*	11204†	11416*	11159†
Manado	10460*	9950*	10240*	10000*	10766*	11671†	10786*	11370*
Manila	10455*	9941*	10231*	9990*	10760*	11544†	10780*	11364*
Masinloc	10495*	9980*	10270*	10030*	10800*	11585†	10820*	11405*
Moji	9318*	8804*	9094*	8853*	9623*	11507*	9643*	10227*
Muroran	9178*	8664*	8954*	8713*	9483*	10600*	9503*	10087*
Nagasaki	9309*	8795*	9085*	8844*	9614*	11498*	9634*	10218*
Nagoya	8825*	8311*	8601*	8360*	9130*	11014*	9150*	9734*
Nampo	9700*	9186*	9476*	9235*	10005*	11881*	10025*	10609*
Osaka	9077*	8563*	8853*	8612*	9382*	11266*	9402*	9986*
Otaru	9313*	8799*	9089*	8848*	9618*	11502*	9638*	10222*
Palembang	11099†	11068†	10784†	11062†	11643†	10396†	10696†	10351†
Qindao	9684*	9170*	9460*	9219*	9989*	11873*	10009*	10593*
Qinhuangdao	10001*	9487*	9777*	9536*	10306*	12190*	10326*	10910*
Sabang	10316†	10285†	10001†	10279†	10860†	9613†	9913†	9568†
Shanghai	9758*	9244*	9534*	9293*	10070*	11947*	10080*	10669*
Shimonoseki	9343*	8829*	9119*	8878*	9648*	11532*	9668*	10242*
Singapore	10917†	10886†	10602†	10880†	11461†	10214†	10514†	10619†
Surabaya	11378*	10864*	11154*	10913*	11683*	10854†	11703*	10809†
Tokyo	8808*	8294*	8588*	8343*	9113*	10997*	9133*	9717*
Toyama	9498*	8984*	9274*	9033*	9803*	11687*	9823*	10407*
Tanjung Priok	11184†	11153†	10759C	11147†	11728†	10481†	11781†	10436†
Vladivostok	8850*	8336*	8626*	8385*	9155*	11039*	9175*	9759*
Yokohama	8790*	8276*	8570*	8325*	9095*	10979*	9115*	9699*

AREA F	Norfolk (Virginia)	Nuevitas	Philadelphia	Port-au-Prince	Portland (Maine)	Port of Spain	Puerto Limón	St John (New Brunswick)
Balikpapan	11041*	10196*	11208*	10036*	10999†	10421*	9452*	10901†
Bangkok	11349†	11699*	11344†	11539*	11004†	11403†	10955*	10906†
Basuo (Hainan Is)	11453*	10608*	11620*	10444*	11258†	10833*	9864*	11160†
Busan	10132*	9287*	10290*	9127*	10551*	9372*	8543*	10671*
Cam Pha	11461*	10616*	11628*	10452*	10432†	10841*	8872*	11334†
Cebu	11035*	10190*	11202*	10030*	11327†	10415	9446*	11229†
Dalian	10464*	9619*	10631*	9459*	10883*	9844*	8875*	11003*
Haiphong	11491*	10646*	11658*	10482*	11332†	10871*	9902*	11234†
Ho Chi Minh City	10966†	10995*	10961†	10835*	10621†	11020†	10251†	10523†
Hong Kong	11017*	10172*	11184*	10012*	11436*	10397*	9428*	11328†
Hungnam	9319*	8474*	9486*	8314*	9738*	8699*	7730*	9858*
Inchon	11007*	10162*	11174*	10002*	11426*	10387*	9418*	11546*
Kampong Saom	11050†	11399*	11045†	11239*	10704†	11103†	10655*	10606†
Kaohsiung (Taiwan)	10774*	9927*	10939*	9767*	11191*	10152*	9183*	11311*
Keelung (Taiwan)	10546*	9701*	10713*	9541*	10965*	9926*	8957*	11085*
Kobe	9783*	8978*	9950*	8778*	10202*	9163*	8194*	10322*
Makassar	11805*	10960*	11302†	10800*	10962†	11185*	10226*	10873†
Manado	11175*	10330*	11342*	10170*	11429†	10555*	9586*	11331†
Manila	11169*	10324*	11336*	10164*	11302†	10549*	9580*	11204†
Masinloc	11210*	10365*	11377*	10205*	11345†	10590*	9620*	11245†
Moji	10032*	9187*	10190*	9027*	10451*	9412*	8443*	10571*
Muroran	9892*	9047*	10059*	8887*	10311*	9272*	8303*	10431*
Nagasaki	10023*	9178*	10199*	9018*	10442*	9403*	8434*	10562*
Nagoya	9535*	8894*	9706*	8534*	9958*	8919*	7950*	10078*
Nampo	10414*	9579*	10581*	9409*	10833*	9794*	8825*	10953*
Osaka	9791*	8946*	9958*	8786*	10210*	9171*	8202*	10330*
Otaru	10027*	9182*	10194*	9012*	10446*	9407*	8438*	10566*
Palembang	10499†	10963†	10494†	10907†	10154†	10553†	11226*	10056†
Qingdao	10398*	9553*	10565*	9393*	10817*	9778*	8809*	10937*
Qinhuangdao	10715*	9875*	10882*	9710*	11134*	10095*	9126*	11254*
Sabang	9716†	10180†	9711†	10124†	9371†	9770†	10690†	9273†
Shanghai	10472*	9625*	10639*	9467*	10891*	9857*	8880*	11011*
Shimonoseki	10057*	9212*	10215*	9052*	10476*	9437*	8468*	10596*
Singapore	10317†	10781†	10312†	10725†	9972†	10371†	10738*	9874†
Surabaya	10957†	11247*	10952†	11087*	10612†	11011†	10503*	10514†
Tanjung Priok	10584†	11048†	10579†	10992†	10239†	10638†	10876*	10141†
Tokyo	9522*	8673*	9689*	8517*	9941*	9205*	7933*	10061*
Toyama	10212*	9367*	10379*	9207*	10631*	9592*	8623*	10751*
Vladivostok	9564*	8719*	9731*	8559*	9983*	8944*	8975*	10103*
Yokohama	9504*	8659*	9671*	8499*	9923*	9187*	7915*	10043*

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

AREA F	St John's (Newfoundland)	San Juan (Puerto Rico)	Santiago de Cuba	Santo Domingo	Tampa	Tampico	Veracruz	Wilmington (N Carolina)
Balikpapan	10178†	10255*	9945*	10064*	10480*	10747*	10682*	10875*
Bangkok	10183†	11758*	11448*	11567*	11983*	12250*	12185*	11533†
Basuo (Hainan Is)	10437†	10667*	10357*	10476*	10892*	11159*	11098*	10287*
Busan	11045*	9346*	9036*	9155*	9571*	9838*	9773*	9966*
Cam Pha	10611†	10675*	10365*	10484*	10900*	11167*	11106*	10295*
Cebu	10506†	10249*	9939*	10058*	10474*	10741*	10676*	10869*
Dalian	11377*	9678*	9368*	9487*	9903*	10170*	10105*	10298*
Haiphong	10511†	10705*	10395*	10514*	10930*	11197*	11136*	10325*
Ho Chi Minh City	9800†	11054*	10744*	10863*	11279*	11546*	11481*	11150†
Hong Kong	10605†	10231*	9921*	10040*	10456*	10723*	10658*	10851*
Hungnam	10232*	8533*	8223*	8342*	8758*	9025*	8960*	9093*
Inchon	11920*	10221*	9911*	10030*	10446*	10713*	10648*	10841*
Kampong Saom	9883†	11458*	11148*	11267*	11683*	11950*	11885*	11230†
Kaohsiung (Taiwan)	11182†	9986*	9676*	9795*	10211*	10478*	10413*	10602*
Keelung (Taiwan)	10956†	9760*	9450*	9569*	9985*	10252*	10187*	10380*
Kobe	10696*	8997*	8687*	8806*	9222*	9489*	9424*	9617*
Makassar	10141†	11019*	10709*	10828*	11244*	11411*	11446*	11491†
Manado	10680†	10389*	10079*	10198*	10614*	10881*	10816*	11009*
Manila	10481†	10383*	10073*	10192*	10608*	10875*	10810*	11003*
Masinloc	10521†	10425*	10115*	10232*	10650*	10915*	10850*	11045*
Moji	10945*	9246*	8936*	9055*	9471*	9738*	9673*	9866*
Muroran	10805*	9106*	8796*	8915*	9331*	9598*	9533*	9726*
Nagasaki	10936*	9237*	8927*	9046*	9462*	9729*	9964*	9857*
Nagoya	10452*	8753*	8443*	8562*	8978*	9245*	9180*	9373*
Nampo	10327*	9628*	9318*	9437*	9853*	10120*	10055*	10248*
Osaka	10704*	9005*	8695*	8814*	9230*	9497*	9432*	9625*
Otaru	10940*	9241*	8931*	9050*	9466*	9733*	9668*	9861*
Palembang	9333†	10483†	10942†	10705†	11404†	12004†	11964†	10683†
Qingdao	11311*	9612*	9302*	9421*	9837*	10104*	10039*	10232*
Qinhuangdao	11628*	9929*	9619*	9738*	10154*	10421*	10356*	10549*
Sabang	8550†	9700†	10159†	9922†	10621†	11221†	11181†	9900†
Shanghai	11360†	9686*	9376*	9493*	9911*	10178*	10113*	10306*
Shimonoseki	10970*	9271*	8961*	9080*	9496†	9763†	9698†	9891*
Singapore	9151†	10301†	10760†	10523†	11222†	11822†	11782†	10501†
Surabaya	9791†	10941†	10996*	11115*	11531*	11798*	11733*	11141†
Tanjung Priok	9418†	10568†	11027†	10790†	11489†	12089†	12049†	10768†
Tokyo	10435*	8736*	8426*	8561*	8961*	9228*	9163*	9356*
Toyama	11125*	9426*	9116*	9235*	9651*	9918*	9853*	10045*
Vladivostok	10477*	8778*	8468*	8587*	9003*	9270*	9205*	9398*
Yokohama	10417*	8718*	8408*	8543*	8943*	9210*	9145*	9338*

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

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All distances on this page via the Panama Canal except where otherwise indicated.

AREA G	Baie Comeau	Baltimore	Boston	Cartagena (Colombia)	Charleston	Churchill	Cienfuegos	Colón
Adelaide	11214	10204	10467	8600	9874	12742	9082	8300
Albany	11360†	11029	11285	9409	10692	12121†	9900	9128
Apia	8123	7120	7376	5500	6783	9767	5991	5325
Auckland	9459	8466	8712	6836	8119	10997	7327	6555
Banaba	9672	8669	8923	7049	8332	11166	7540	6769
Bluff	9749	8746	9002	7126	8409	11287	7619	6845
Brisbane	10620	9614	9873	7996	9280	12142	8487	7700
Cairns	11428	10425	10681	8805	10088	12972	9296	8530
Cape Leeuwin	11195†	11194	11450	9574	10857	11956†	10065	9293
Darwin	1510†	11087	11343	9467	10750	12400†	9958	9186
Esperance	11620†	10759	11015	9139	10422	12381†	9630	8858
Fremantle	11155†	11379	11299	9759	11042	11916†	10250	9478
Geelong	10875	9820	10128	8200	9483	12413	8743	7971
Geraldton	10975†	11199	11119	9579	10862	12513†	10070	9298
Hobart	10577	9574	9830	7954	9237	12115	8445	7673
Honolulu	7632	6629	6885	5009	6292	9170	5500	4728
Launceston	10759	9756	10012	8136	9419	12297	8626	7855
Lyttleton	9522	8519	8775	6899	8182	11060	7390	6618
Mackay	11160	10280	10412	8536	9830	12697	9030	8255
Madang	11222	10219	10475	8599	9882	12716	9090	8319
Makatea	7370	6360	6623	4747	6030	8908	5238	4466
Melbourne	10875	9820	10128	8200	9540	12442	8743	8000
Napier	9312	8354	8555	6676	7960	10842	7167	8400
Nauru Island	9777	8774	9028	7154	8437	11271	7645	6874
Nelson	9525	8585	8765	6895	8180	11062	7385	6620
Newcastle (NSW)	10601	9964	9854	7978	9260	12132	8467	7690
New Plymouth	9612	8674	8865	7986	8270	11152	7477	6710
Noumea	9929	9049	9182	7306	8600	11467	7800	7025
Otago Harbour	9699	8696	8952	7076	8359	11237	7569	6795
Papeete	7440	6437	6693	4817	6100	8978	5308	4536
Port Hedland	10897†	11532†	11082†	10481	11657†	11786†	10972	10201
Port Kembla	10646	10039	9899	8023	8135	12184	7342	7742
Portland (Victoria)	10914	9904	10167	8300	9574	12442	8782	8000
Port Lincoln	11359	10356	10602	8726	10009	12887	9217	8445
Port Moresby	11147	10144	10400	8524	9807	12641	9015	8244
Port Pirie	11459	10466	10712	8836	10119	12997	9327	8555
Rockhampton	10670	9790	9922	8046	9340	12210	8540	7765
Suva	9273	8270	8526	6650	7933	10811	7141	6369
Sydney	10621	10014	9874	7998	9280	12159	8489	7717
Wellington	9452	8514	8705	6826	8110	10992	7317	6550

REEDS MARINE DISTANCE TABLES 117

All distances on this page via the Panama Canal except where otherwise indicated.

AREA G	Curaçao	Duluth-Superior	Freeport (Bahamas)	Galveston	Georgetown (Guyana)	Halifax	Havana	Jacksonville
Adelaide	8987	12734	9488	9808	9825	10605	9313	9826
Albany	9805	12880†	10306	10621	10643	11119†	10131	10644
Apia	5896	9643	6397	6712	6734	7514	6222	6735
Auckland	7237	10979	7733	8050	8070	8850	7558	8071
Banaba	7445	11192	7946	8261	8283	9063	7771	8284
Bluff	7522	11289	8023	8338	8360	9140	7848	8361
Brisbane	8393	12140	8894	9209	9231	10011	8719	9232
Cairns	9201	12948	9702	10017	10039	10819	9527	10040
Cape Leeuwin	9970	12715†	10471	10786	10808	10954†	10296	10809
Darwin	9863	13030†	10364	10679	10701	11325†	10189	10702
Esperance	9535	13140†	10036	10351	10373	11399†	9861	10374
Fremantle	10155	12675†	10656	10971	9781C	10914†	10481	10994
Geelong	8596	12395	9149	9464	9486	10266	8974	9487
Geraldton	9975	12495†	10476	10791	9961C	10734†	10301	10814
Hobart	8350	12097	8851	9166	9188	9968	8676	9189
Honolulu	5405	9152	5906	6221	6243	7023	5731	6244
Launceston	8532	12279	9033	9348	9418	10150	8858	9371
Lyttleton	7295	11042	7796	8111	8133	8913	7621	8134
Mackay	8932	12679	9433	9748	9770	10550	9258	9771
Madang	8945	12742	9496	9811	9833	10613	9321	9834
Makatea	5143	8890	5644	5959	5981	6761	5469	5982
Melbourne	8577	12395	9149	9464	9434	10266	8973	9487
Napier	7077	10822	7576	7891	7913	8693	7410	7914
Nauru Island	7639	11368	8140	8455	8477	9257	7965	8478
Nelson	7295	11040	7795	8110	8135	8915	7630	8135
Newcastle (NSW)	8377	12121	8875	9190	9212	9992	8700	9213
New Plymouth	7287	11132	7886	8200	8225	9003	7720	8224
Noumea	7702	11449	8203	8518	8540	9320	8028	8541
Otago Harbour	7472	11219	7973	8288	8310	9090	7798	8831
Papeete	5213	8960	5714	6029	6051	6831	5539	6052
Port Hedland	10877	12417†	11378	11693	11480†	10712†	11202	11716
Port Kembla	8422	12166	8920	9235	9257	10035	8745	9258
Portland (Victoria)	8687	12434	9188	9503	9525	10305	9013	9526
Port Lincoln	9127	12869	9623	9940	9960	10740	9448	9961
Port Moresby	8920	12667	9421	9736	9758	10538	9246	9759
Port Pirie	9237	12979	9733	10050	10070	10850	9558	10071
Rockhampton	8442	12189	8943	9258	9280	10060	8768	9281
Suva	7046	10793	7547	7862	7884	8664	7372	7884
Sydney	8397	12141	8895	9210	9232	10012	8720	9233
Wellington	7227	10972	7726	8041	8063	8843	7560	8064

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All distances on this page via the Panama Canal except where otherwise indicated.

AREA G	AREA C							
	Key West	Kingston (Jamaica)	La Guaira	Maracaibo	Mobile	Montreal	New Orleans	New York
Adelaide	9880	8861	9150	8910	9680	11564	9700	10280
Albany	10193	9679	9969	9728	10498	11710†	10518	11102
Apia	6284	5770	6050	5819	6589	8473	6609	7193
Auckland	7620	7106	7396	7155	7925	9809	7945	8529
Banaba	7833	7319	7609	7368	8138	10022	8158	8742
Bluff	7910	7396	7686	7445	8215	10099	8235	8819
Brisbane	8780	8266	8556	8316	9086	10970	9106	9890
Cairns	9589	9075	9365	9124	9894	11778	9914	10498
Cape Leeuwin	10358	9844	10134	9893	10663	11545†	10673	11267
Darwin	10251	9737	10027	9780	10556	11860†	10576	11160
Esperance	9923	9407	9699	9458	10428	11970†	10248	10832
Fremantle	10543	10029	10319	10078	10848	11505†	10868	11452
Geelong	9036	8522	8812	8571	9341	11225	9361	9945
Geraldton	10363	9849	10139	9898	10668	11325†	10688	11272
Hobart	8738	8224	8514	8273	9043	10927	9063	9647
Honolulu	5800	5279	5569	5328	6098	7982	6118	6702
Launceston	8920	8406	8696	8455	9225	11109	9245	9829
Lyttleton	7683	7169	7459	7218	7988	9872	8008	8592
Mackay	9320	8810	9096	8855	9530	11509	9639	10229
Madang	9383	8869	9159	8918	9688	11572	9708	10292
Makatea	5531	5017	5307	5066	5836	7720	5875	6459
Melbourne	9036	8520	8810	8571	9341	11225	9360	9950
Napier	7466	6949	7239	6998	7770	9652	7788	8370
Nauru Island	7938	7424	7714	7473	8243	10127	8263	8847
Nelson	7685	7165	7455	7215	7990	9870	8010	8590
Newcastle (NSW)	8760	8248	8538	8297	9070	10951	9088	9680
New Plymouth	7776	7259	7549	7308	8080	9962	8098	8680
Noumea	8090	7480	7866	7825	8400	10279	8409	8999
Otago Harbour	7860	7346	7636	7395	8165	10049	8185	8769
Papeete	5601	5087	5377	5136	5906	7790	5926	6510
Port Hedland	11265	10751	11041	10800	11570	11247†	11590	11232†
Port Kembla	8805	8293	8583	8342	9112	10996	9133	9716
Portland (Victoria)	9080	8561	8850	8610	9380	11264	9400	9980
Port Lincoln	9510	8996	9286	9045	9815	11699	9649	10233
Port Moresby	9308	8794	9084	8843	9513	11497	9633	10217
Port Pirie	9620	9106	9396	9155	9925	11809	9945	10529
Rockhampton	8830	8320	8606	8365	9140	11019	9149	9739
Suva	7434	6920	7210	6969	7739	9623	7795	8343
Sydney	8780	8268	8558	8317	9087	10971	9108	9691
Wellington	7616	7099	7389	7148	7920	9802	7938	8520

REEDS MARINE DISTANCE TABLES 119

All distances on this page via the Panama Canal except where otherwise indicated.

AREA G	AREA C							
	Norfolk (Virginia)	Nuevitas	Philadelphia	Port-au-Prince	Portland (Maine)	Port of Spain	Puerto Limón	St John (New Brunswick)
Adelaide	10089	9244	10256	9084	10508	9469	9490	10628
Albany	10907	10062	11074	9902	11326	10287	9318	11370†
Apia	6998	6153	7165	5993	7417	6378	5315	7537
Auckland	8334	7489	8499	7329	8753	7714	6745	8873
Banaba	8547	7702	8714	7542	8966	7927	6958	9086
Bluff	8624	7779	9791	7619	9043	8004	7035	9163
Brisbane	9495	8650	9660	8490	9914	8875	7890	10034
Cairns	10303	9458	10470	9298	10722	9683	8720	10842
Cape Leeuwin	11072	10227	11239	10067	11491	10452	9483	11205†
Darwin	10965	10120	11132	9960	11384	10345	9376	11855†
Esperance	10637	9792	10804	9632	11056	10017	9048	11630†
Fremantle	11257	10412	11424	10252	11263	10148C	9668	11165†
Geelong	9750	8905	9917	8745	10169	9130	8161	10289
Geraldton	11077	10232	11244	10072	11088	10328C	9488	10985†
Hobart	9750	8607	9619	8447	9871	8832	7863	9991
Honolulu	6507	5662	6674	5502	6926	5887	4918	7046
Launceston	9634	8789	9801	9629	10053	9014	8045	10173
Lyttleton	8397	7552	8564	7392	8816	7777	6808	8936
Mackay	10034	9189	10200	9030	10453	9414	8445	10573
Madang	10097	9252	10264	9092	10516	9477	9508	10636
Makatea	6245	5419	6430	5259	6683	5644	4656	6784
Melbourne	9750	8905	9916	8745	10169	9130	8190	10289
Napier	8177	7332	8350	7170	8596	7557	6590	8716
Nauru Island	8652	7807	8819	7647	9071	8032	7063	9191
Nelson	8395	7550	8570	7390	8815	7775	6810	8935
Newcastle (NSW)	9476	8631	9643	8470	9895	8857	7880	10015
New Plymouth	8487	7642	8660	7480	8906	7867	6900	9046
Noumea	8804	7959	8970	7800	9223	8184	7215	9343
Otago Harbour	8574	7729	8741	7569	8993	7954	6985	9113
Papeete	6315	5470	6482	5310	6734	5695	4726	6854
Port Hedland	11392†	11134	11382†	10974	11012†	11359	10390	10942†
Port Kembla	9521	8676	9685	8515	9940	8902	7932	10060
Portland (Victoria)	9789	9544	9956	8784	10208	9169	8190	10328
Port Lincoln	10224	9379	10450	9380	10805	9767	8635	10763
Port Moresby	10022	9177	10189	9017	10441	9402	8433	10561
Port Pirie	10334	9489	10500	10329	10753	9714	8745	10873
Rockhampton	8944	8699	9710	8540	9963	8924	7955	10083
Suva	8148	7303	8315	7143	8567	7528	6559	8687
Sydney	9496	8651	9660	8490	9915	8877	7907	10035
Wellington	8327	7482	8500	7320	8740	7707	6740	8866

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All distances on this page via the Panama Canal except where otherwise stated.

AREA G	St John's (Newfoundland)	San Juan (Puerto Rico)	Santiago de Cuba	Santo Domingo	Tampa	Tampico	Veracruz	Wilmington (N Carolina)
Adelaide	11002	9303	8993	9112	9528	9795	9730	9923
Albany	10647†	10121	9811	9930	10346	10613	10548	10741
Apia	7911	6212	5902	6021	6437	6704	6639	6832
Auckland	9247	7548	7238	7358	7773	8040	7976	8168
Banaba	9460	7761	7451	7570	7986	8253	8188	8381
Bluff	9537	7838	7528	7647	8063	8330	8265	8458
Brisbane	10408	8709	8399	8520	8934	9200	9136	9329
Cairns	11216	9517	9207	9326	9742	10009	9944	10137
Cape Leeuwin	10482†	10286	9976	10095	10511	10778	10713	10906
Darwin	10925†	10179	9869	9988	10404	10671	10606	10799
Esperance	10907†	9851	9541	9660	10076	10343	10278	10471
Fremantle	10442†	10471	10161	10280	10699	10963	10898	11091
Geelong	10663	8964	8654	8773	9189	9456	9391	9584
Geraldton	10262†	10291	9981	10100	10519	10783	10718	10911
Hobart	10365	8666	8356	8475	8891	9158	9093	9286
Honolulu	7420	5721	5411	5530	5946	6213	6148	6341
Launceston	10547	8848	8538	8657	9073	9340	9275	9468
Lyttleton	9310	7611	7301	7420	7836	8103	8038	8231
Mackay	10947	9248	8938	9058	9473	9739	9675	9868
Madang	11010	9311	9001	9120	9536	9803	9738	9931
Makatea	7158	7948	5149	5268	5682	5994	5932	6079
Melbourne	10663	8964	8654	8793	9189	9457	9390	9584
Napier	9090	7391	7081	7198	7616	7883	7818	8011
Nauru Island	9565	7866	7556	7675	8091	8358	8293	8486
Nelson	9310	7610	7300	7410	7835	8105	8035	8230
Newcastle (NSW)	10389	8690	8380	8499	8915	9182	9116	9310
New Plymouth	9400	7701	7391	7508	7926	8193	8128	8821
Noumea	9717	8018	7708	7828	8243	8509	8445	8638
Otago Harbour	9487	7788	7478	7597	8013	8280	8215	8408
Papeete	7228	5529	5219	5338	5752	6064	6002	6149
Port Hedland	9287†	11193	10883	11002	11418	11685	11620	11662†
Port Kembla	10434	8735	8425	8544	8960	9227	9161	9355
Portland (Victoria)	10702	9003	8693	8812	9228	9495	9430	9623
Port Lincoln	11137	9438	9128	9248	9663	9930	9866	10058
Port Moresby	10935	9236	8926	9045	9461	9728	9663	9856
Port Pirie	11247	9548	9238	9358	9773	10040	9976	10168
Rockhampton	10457	8758	8448	8568	8983	9249	9185	9378
Suva	9061	7362	7052	7171	7587	7854	7789	7982
Sydney	10409	8710	8400	8519	8935	9202	9136	9330
Wellington	9240	7541	7231	7348	7766	8033	7968	8161

Australia, New Guinea and the Pacific Islands

REEDS MARINE DISTANCE TABLES 121

All distances on this page via the Panama Canal.

AREA H	Baie Comeau	Baltimore	Boston	Cartagena (Colombia)	Charleston	Churchill	Cienfuegos	Colón
Antofagasta	5087	4142	4340	2444	3738	6620	2945	2178
Arica	4868	3946	4121	2248	3542	6424	2749	1982
Astoria	6730	5727	5983	4107	5390	8268	4593	3826
Balboa	2948	1945	2201	325	1608	4442	816	45
Buenaventura	4299	2296	2552	676	1959	4837	1167	395
Cabo Blanco (Peru)	3698	2695	2951	1075	2358	5242	1566	800
Caldera	5278	4300	4531	2646	3940	6822	3147	2380
Callao	4293	3300	3546	1653	2947	5829	2161	1387
Cape Horn	6985	5985	6240	4350	5635	8527	4850	4085
Chimbote	4113	3120	3366	1473	2767	5649	1981	1207
Coos Bay	6546	5543	5799	3925	5206	8084	4414	3642
Corinto	3646	2643	2899	1024	2308	5190	1515	748
Eureka	6405	5402	5658	3782	5065	7943	4273	3501
Guayaquil	3772	2856	3023	1158	2452	5334	1659	892
Guaymas	5330	4326	4583	2698	3992	6874	3119	2432
Honolulu	7632	6079	6885	4981	6275	9157	5482	4715
Iquique	4937	4014	4187	2316	3610	6492	2817	2050
Los Angeles	5860	4857	5113	3237	4520	7398	3728	2956
Manzanillo (Mex)	4665	3764	3918	2066	3360	6242	2567	1800
Mazatlan (Mex)	4953	4084	4206	2386	3680	6562	2887	2120
Nanaimo	6987	5984	6240	4364	5647	8525	4855	4083
New Westminster	6995	5992	6248	4372	5655	8533	4863	4091
Portland (Oreg)	6816	5813	6069	4193	5476	8354	4684	3912
Port Alberni	6942	5939	6195	4319	5602	8436	4810	4039
Port Isabel	5610	4606	4863	2978	4272	7154	3479	2712
Port Moody	6990	5987	6243	4367	5650	8528	4858	4086
Prince Rupert	7251	6248	6504	4628	5911	8745	5119	4348
Puerto Montt	5920	4920	5173	3288	4570	7464	3789	3022
Puntarenas (CR)	3413	2410	2666	790	2073	4957	1281	515
Punta Arenas (Ch)	6880	5880	6133	4248	5530	8424	4749	3982
Salina Cruz	4108	3104	3361	1486	2770	5652	1977	1210
San Francisco	6192	5291	5445	3593	4887	7769	4094	3327
San José (Guat)	3836	2833	3089	1209	2498	5380	1705	938
Seattle	6968	5965	6221	4345	5628	8506	4836	4064
Tacoma	6999	5996	6252	4376	5659	8537	4867	4095
Talcahuano	5755	4814	5005	3116	4410	7292	3617	2850
Tocopilla	5015	4012	4268	2392	3675	6553	2883	2111
Valparaiso	5563	4622	4816	2924	4218	7100	3425	2658
Vancouver (BC)	6986	5983	6239	4363	5646	8524	4854	4082
Victoria (Vanc Is)	6919	5916	6172	4296	5579	8457	4787	4015

West Coast of North and South America

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AREA C

AREA H

	Curaçao	Duluth-Superior	Freeport (Bahamas)	Galveston	Georgetown (Guyana)	Halifax	Havana	Jacksonville
Antofagasta	2855	6607	3361	3659	3698	4478	3191	3699
Arica	2659	6388	3142	3463	3479	4259	2995	3480
Astoria	4503	8250	5004	5319	5341	6121	4829	5342
Balboa	721	4468	1222	1537	1559	2339	1047	1560
Buenaventura	1072	5119	1572	1888	1910	2690	1398	1911
Cabo Blanco (Peru)	1471	5218	1972	2287	2309	3089	1797	2310
Caldera	3057	6798	3552	3867	3889	4669	3380	3890
Callao	2064	5813	2567	2868	2904	3684	2400	2905
Cape Horn	4760	8505	5255	5563	5595	6370	5085	5592
Chimbote	1884	5633	2387	2688	2724	3504	2220	2725
Coos Bay	4319	8066	4820	5135	5157	5937	4645	5158
Corinto	1420	5166	1920	2239	2257	3037	1745	2258
Eureka	4178	7925	4679	4994	5016	5796	4504	5017
Guayaquil	1569	5292	2046	2373	2383	3163	1905	2384
Guaymas	3109	6850	3604	3913	3941	4721	3430	3942
Honolulu	5392	9152	5906	6196	6243	7023	5728	6244
Iquique	2727	6457	3208	3531	3545	4325	3063	3546
Los Angeles	3633	7280	4134	4449	4471	5251	3959	4472
Manzanillo (Mex)	2477	6185	2939	3281	3276	4056	2900	3277
Mazatlan (Mex)	2797	6473	3227	3541	3564	4344	3033	3565
Nanaimo	4760	8507	5261	5576	5598	6378	5086	5599
New Westminster	4768	8515	5269	5584	5606	6386	5094	5607
Portland (Oreg)	4589	8336	5090	5405	5427	6207	4915	5428
Port Alberni	4715	8462	5216	5531	5553	6333	5041	5554
Port Isabel	3389	7130	3884	4193	4221	5001	3710	4222
Port Moody	4763	8511	5264	5579	5601	6381	5089	5602
Prince Rupert	5024	8771	5525	5840	5862	6642	5350	5863
Puerto Montt	3699	7440	4194	4503	4531	5311	4920	4532
Puntarenas (CR)	1186	4933	1687	2002	2024	2804	1512	2025
Punta Arenas (Ch)	4659	8400	5154	5463	5491	6271	4980	5492
Salina Cruz	1880	5628	2382	2697	2719	3499	2208	2720
San Francisco	4004	7712	4466	4788	4803	5583	4340	4804
San José (Guat)	1610	5356	2110	2419	2447	3227	1935	2448
Seattle	4741	8488	5242	5557	5579	6359	5067	5580
Tacoma	4772	8519	5273	5588	5610	6390	5098	5611
Talcahuano	3527	7272	4026	4331	4363	5143	3863	4364
Tocopilla	2788	6535	3289	3604	3626	4406	3114	3627
Valparaiso	3335	7083	3837	4149	4174	4954	3671	4175
Vancouver (BC)	4759	8507	5260	5575	5597	6377	5085	5598
Victoria (Vanc Is)	4692	8439	5193	5508	5530	6310	5018	5531

West Coast of North and South America

REEDS MARINE DISTANCE TABLES 123

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AREA C

AREA H

	Key West	Kingston (Jamaica)	La Guaira	Maracaibo	Mobile	Montreal	New Orleans	New York
Antofagasta	3264	2724	2904	2783	3549	5437	3558	4158
Arica	3068	2528	2708	2564	3333	5218	3362	3962
Astoria	4891	4377	4667	4426	5196	7080	5216	5800
Balboa	1109	595	885	644	1414	3162	1434	2018
Buenaventura	1460	946	1236	995	1765	3649	1785	2369
Cabo Blanco (Peru)	1859	1345	1635	1394	2164	4048	2184	2768
Caldera	3440	2926	3206	2974	3744	5628	3760	4350
Callao	2473	1933	2113	1989	2758	4643	2767	3367
Cape Horn	5148	4630	4910	4675	5450	7330	5462	6060
Chimbote	2293	1753	1933	1809	2578	4463	2587	3187
Coos Bay	4707	4193	4483	4242	5012	6896	5032	5616
Corinto	1804	1294	1584	1342	2112	3996	2130	2720
Eureka	4566	4052	4342	4101	4871	6755	4891	5475
Guayaquil	1978	1438	1618	1468	2233	4122	2272	2872
Guaymas	3500	2978	3268	3026	3800	5680	3812	4400
Honolulu	5800	5261	5441	5328	6088	7982	6095	6695
Iquique	3106	2586	2776	2630	3400	5287	3430	4030
Los Angeles	4021	3507	3797	3556	4326	6210	4346	4930
Manzanillo (Mex)	2826	2308	2526	2361	3131	5015	3180	3780
Mazatlan (Mex)	3116	2600	2846	2649	3420	5303	3500	4100
Nanaimo	5148	4634	4924	4683	5453	7337	5473	6057
New Westminster	5156	4642	4932	4691	5461	7345	5481	6065
Portland (Oreg)	4977	4463	4753	4512	5282	7166	5302	5886
Port Alberni	5103	4589	4879	4638	5408	7292	5428	6012
Port Isabel	3780	3258	3548	3306	4080	5960	4092	4680
Port Moody	5151	4637	4927	4686	5456	7340	5476	6062
Prince Rupert	5412	4898	5188	4947	5717	7601	5737	6321
Puerto Montt	4088	3568	3848	3616	4390	6270	4402	5000
Puntarenas (CR)	1574	1060	1350	1109	1879	3763	1899	2483
Punta Arenas (Ch)	5048	4528	4808	4576	5350	7230	5362	5960
Salina Cruz	2268	1756	2050	1804	2580	4458	2590	3180
San Francisco	4413	3873	4053	3888	4658	6542	4707	5307
San José (Guat)	2000	1484	1800	1532	2309	4186	2318	2908
Seattle	5129	4615	4905	4664	5434	7318	5454	6038
Tacoma	5160	4646	4936	4695	5465	7349	5485	6069
Talcahuano	3936	3396	3576	3448	4220	6102	4230	4830
Tocopilla	3176	2662	2952	2711	3481	5365	3501	4085
Valparaiso	3744	3204	3384	3259	4029	5913	4038	4638
Vancouver (BC)	5147	4633	4923	4682	5452	7336	5472	6056
Victoria (Vanc Is)	5080	4566	4856	4615	5385	7269	5405	5989

West Coast of North and South America

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AREA H	AREA C							
	Norfolk (Virginia)	Nuevitas	Philadelphia	Port-au-Prince	Portland (Maine)	Port of Spain	Puerto Limón	St John (New Brunswick)
Antofagasta	3962	3117	4148	2948	4381	3315	2368	4501
Arica	3743	2898	3952	2752	4162	3119	2172	4282
Astoria	5605	4760	5772	4600	6024	4985	4016	6144
Balboa	1823	978	1990	818	2242	1203	234	2362
Buenaventura	2174	1329	2341	1169	2593	1554	585	2713
Cabo Blanco (Peru)	2573	1728	2740	1568	2992	1953	990	3112
Caldera	4153	3308	4320	3150	4572	3533	2570	4692
Callao	3168	2323	3357	2157	3587	2524	1577	3707
Cape Horn	5855	5010	6020	4855	6280	5240	4275	6394
Chimbote	2988	2143	3177	1977	3407	2344	1397	3527
Coos Bay	5421	4576	5588	4416	5840	4801	3832	5960
Corinto	2521	1676	2688	1518	2940	1885	938	3060
Eureka	5280	4435	5447	4275	5699	4660	3691	5819
Guayaquil	2647	1802	2862	1662	3066	2029	1082	3186
Guaymas	4205	3360	4372	3200	4624	3589	2622	4744
Honolulu	6507	5662	6685	5485	6926	5887	4905	7046
Iquique	3809	2964	4020	2820	4228	3187	2240	4348
Los Angeles	4735	3890	4902	3730	5154	4115	3146	5274
Manzanillo (Mex)	3540	2695	3770	2570	3959	2937	1990	4079
Mazatlan (Mex)	3828	2983	4090	2890	4247	3257	2310	4367
Nanaimo	5862	5017	6029	4857	6281	5242	4273	6401
New Westminster	5870	5025	6037	4865	6289	5250	4281	6409
Portland (Oreg)	5691	4846	5858	4686	6110	5071	4102	6230
Port Alberni	5817	4972	5984	4812	6236	5197	4228	6356
Port Isabel	4485	3640	4652	3480	4904	3869	2902	5024
Port Moody	5865	5020	6032	4860	6284	5245	4276	6404
Prince Rupert	6126	5281	6293	5121	6545	5506	4537	6665
Puerto Montt	4795	3950	4962	3792	5214	4180	3212	5334
Puntarenas (CR)	2288	1443	2455	1283	2707	1668	705	2827
Punta Arenas (Ch)	5755	4910	5922	4752	6174	5140	4172	6294
Salina Cruz	2983	2138	3150	1980	3402	2363	1400	3522
San Francisco	5067	4222	5297	4097	5486	4464	3517	5606
San José (Guat)	2711	1866	2880	1708	3130	2095	1128	3250
Seattle	5843	4998	6010	4838	6262	5223	4254	6382
Tacoma	5874	5029	6041	4869	6293	5254	4285	6413
Talcahuano	4627	3782	4820	3620	5046	3987	3040	5166
Tocopilla	3890	3045	4057	2885	4309	3270	2301	4429
Valparaiso	4438	3593	4628	3428	4857	3795	2848	4977
Vancouver (BC)	5861	5016	6028	4856	6280	5241	4272	6400
Victoria (Vanc Is)	5794	4949	5961	4789	6213	5174	4205	6333

REEDS MARINE DISTANCE TABLES 125

All distances on this page via the Panama Canal.

AREA H	AREA C							
	St John's (Newfoundland)	San Juan (Puerto Rico)	Santiago de Cuba	Santo Domingo	Tampa	Tampico	Veracruz	Wilmington (N Carolina)
Antofagasta	4875	3176	2866	2971	3401	3655	3594	3796
Arica	4656	2957	2647	2775	3182	3459	3398	3577
Astoria	6518	4819	4509	4628	5044	4311	5246	5439
Balboa	2736	1037	727	846	1262	1529	1464	1657
Buenaventura	3087	1388	1078	1197	1613	1880	1815	2008
Cabo Blanco (Peru)	3486	1787	1477	1596	2012	2279	2214	2407
Caldera	5066	3367	3057	3176	3592	3859	3796	3987
Callao	4081	2382	2072	2180	2607	2864	2803	3002
Cape Horn	6768	5070	4760	4875	5295	5560	5500	5696
Chimbote	3901	2202	1892	2000	2427	2684	2623	2822
Coos Bay	6334	4635	4325	4444	4860	5127	5062	5255
Corinto	3434	1735	1425	1544	1960	2225	2164	2355
Eureka	6193	4494	4184	4303	4719	4986	4921	5114
Guayaquil	3560	1861	1551	1685	2086	2369	2308	2481
Guaymas	5118	3419	3109	3225	3644	3909	3848	4039
Honolulu	7420	5721	5411	5508	5946	6192	6131	6341
Iquique	4722	3023	2713	2843	3248	3527	3466	3643
Los Angeles	5648	3949	3639	3758	4174	4441	4376	4569
Manzanillo (Mex)	4453	2754	2444	2595	2979	3277	3216	3374
Mazatlan (Mex)	4741	3042	2732	2913	3267	3597	3536	3662
Nanaimo	6775	5076	4766	4885	5301	5568	5503	5696
New Westminster	6783	5084	4774	4893	5309	5576	5511	5704
Portland (Oreg)	6604	4905	4595	4714	5130	5397	5332	5525
Port Alberni	6730	5031	4721	4840	5256	5523	5458	5651
Port Isabel	5398	3699	3389	3505	3924	4189	4128	4319
Port Moody	6778	5079	4769	4888	5304	5571	5506	5699
Prince Rupert	7039	5340	5030	5149	5565	5832	5767	5960
Puerto Montt	5708	5009	3699	3815	4234	4499	4438	4629
Puntarenas (CR)	3201	1502	1192	1311	1727	1994	1929	2122
Punta Arenas (Ch)	6668	4969	4659	4775	5194	5459	5398	5589
Salina Cruz	3896	2197	1887	2003	2422	2689	2620	2817
San Francisco	5980	4281	3971	4120	4506	4804	4743	4901
San José (Guat)	3624	1925	1615	1734	2150	2415	2354	2545
Seattle	6756	5057	4747	4866	5282	5549	5484	5677
Tacoma	6787	5088	4778	4897	5313	5580	5515	5708
Talcahuano	5540	3841	3531	3643	4066	4327	4266	4461
Tocopilla	4803	3104	2794	2913	3329	3596	3531	3724
Valparaiso	5351	3652	3342	3451	3877	4135	4074	4272
Vancouver (BC)	6774	5075	4765	4884	5300	5567	5502	5695
Victoria (Vanc Is)	6707	5008	4698	4817	5233	5500	5435	5628

Area D

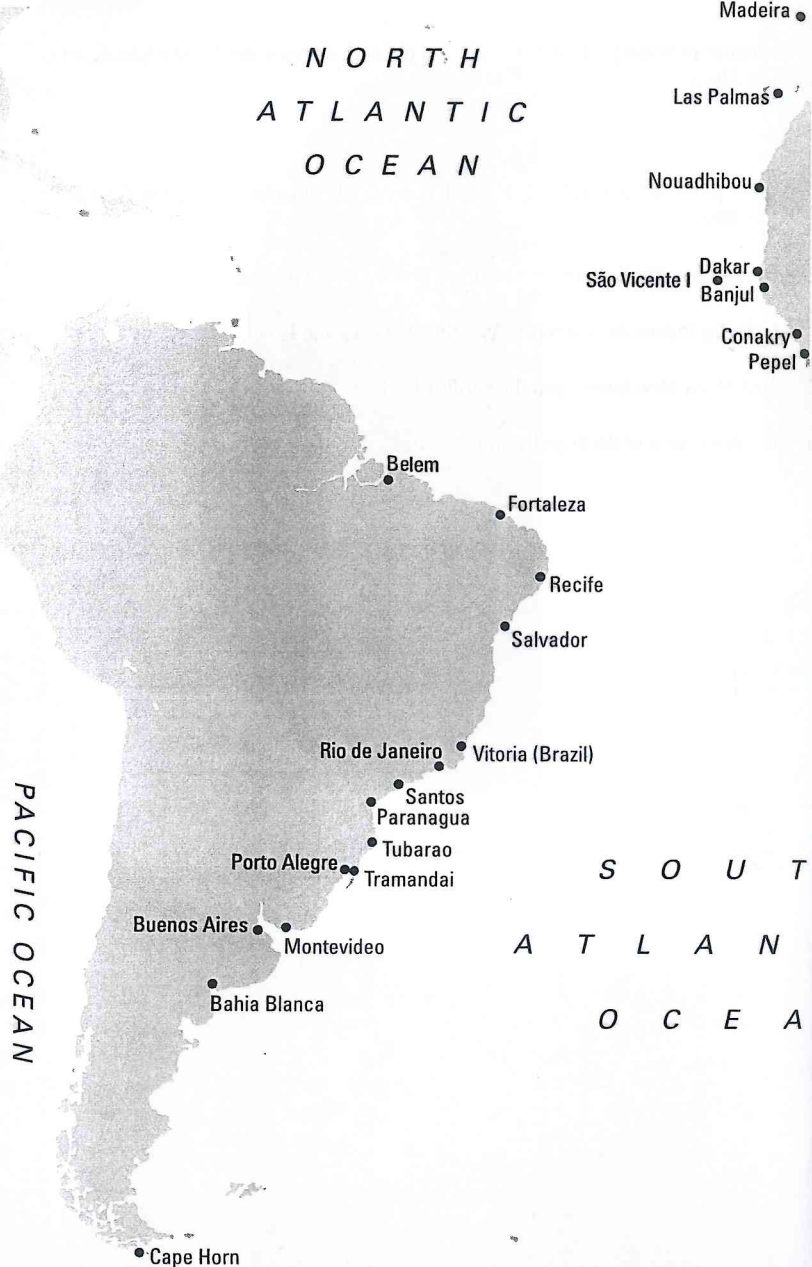
Distances between principal ports on the East Coast of South America, the Atlantic Islands, and West and East Africa

and

- Area D** Other ports on 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.

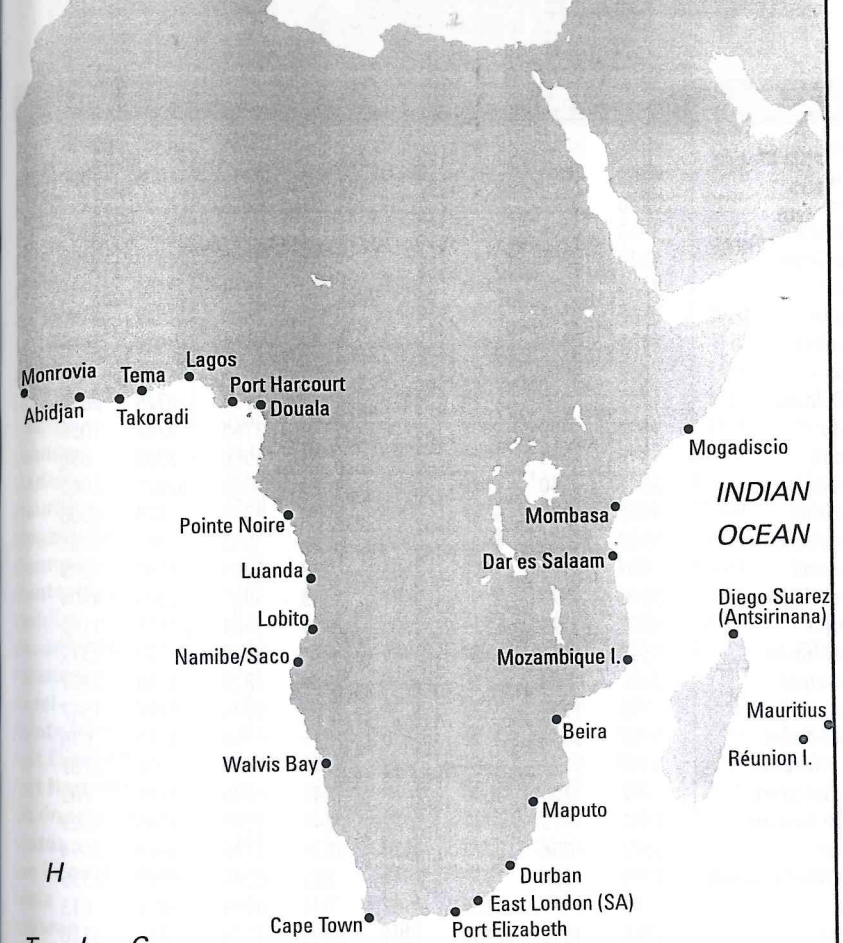
AREA D

Reeds Marine Distance Tables SOUTH ATLANTIC & EAST AFRICA



AREA D

Reeds Marine Distance Tables SOUTH ATLANTIC & EAST AFRICA



AREA D		AREA D						
	Abidjan	Azores (Ponta Delgada)	Banjul	Cape Town	Conakry	Dar es Salaam	Diego Suarez	Douala
Bahia Blanca	4188	5250	4118	3804	4030	6114	6062	4737
Beira	4162	6494	5037	1492	4680	1012	1005	3860
Belem	2740	2678	2124	4337	2222	6675	6623	3554
Buenos Aires	3933	4975	3839	3718	3742	6028	5976	4501
Cape Town	2679	5040	3558	—	3201	2369	2317	2374
Dakar	1166	1459	96	3604	450	5954	5902	1987
Durban	3462	5801	4337	800	3980	1580	1527	3160
Fortaleza	2163	2590	1677	3660	1699	5998	5946	2940
Lagos	457	3099	1566	2566	1205	4924	4872	439
Las Palmas	1989	777	924	4427	1272	6777	6725	2814
Lobito	1500	3943	2502	1406	2140	3764	3712	1059
Luanda	1345	3863	2369	1600	2007	3960	3908	858
Madeira	2243	550	1179	4682	1527	5660†	5760†	3069
Mauritius	4962	6638†	5837	2295	5480	1354	674	4660
Mogadiscio	5567	5408†	6442	2900	6085	643	901	5265
Monrovia	470	2143	658	2933	297	5289	5237	1285
Montevideo	3836	4872	3742	3621	3645	5931	5879	4404
Namibe	1558	4023	2531	1205	2169	3563	3511	1192
Nouadhibou	1547	1050	484	3985	830	6335	6283	2372
Paranagua	3202	4188	3058	3500	2964	5820	5768	3822
Pepel	732	1963	478	3170	83	5526	5474	1547
Pointe Noire	1118	3677	2186	1810	1824	4168	4116	616
Port Elizabeth	3089	5427	3964	422	3607	1960	1908	2787
Port Harcourt	702	3300	1808	2428	1444	4786	4734	205
Rio de Janeiro	2891	3875	2741	3272	2649	5595	5543	3509
Santos	3072	4058	2928	3400	2834	5726	5674	3694
Sao Vicente Island	1535	1253	527	3944	823	6294	6242	2355
Tema	243	2899	1352	2592	991	4949	4897	613
Tubarao	2668	3619	2487	3201	2412	5524	5472	3310
Vitoria (Brazil)	2653	3604	2472	3204	2397	5527	5475	3293

AREA D		AREA D						
	East London	Las Palmas	Lobito	Maputo	Mombasa	Porto Alegre	Recife	Rio de Janeiro
Bahia Blanca	4280	4903	4301	4830	6245	860	2455	1423
Beira	953	5900	2890	485	1150	5075	4780	4721
Belem	4851	2624	3818	5400	6816	3018	1089	2160
Buenos Aires	4204	4623	4117	4754	6165	579	2177	1142
Cape Town	544	4427	1406	1095	2510	3636	3318	3272
Dakar	4130	839	2547	4680	6095	3620	1717	2761
Durban	261	5208	2190	305	1720	4375	4080	4021
Fortaleza	4173	2341	3142	4723	6138	2342	410	1484
Lagos	3100	2430	1285	3650	5065	4087	2453	3268
Las Palmas	4952	—	3374	5502	6917	4384	2469	3525
Lobito	1940	3374	—	2490	3905	3946	3551	3297
Luanda	2136	3241	234	2686	4101	4037	2861	3357
Madeira	5208	282	3629	5758	5560†	4580	2654	3722
Mauritius	1758	6703	3690	1445	1425	5875	5580	5521
Mogadiscio	2631	7308	4295	1890	500	6470	6185	6126
Monrovia	3465	1521	1847	4015	5430	3462	1680	2614
Montevideo	4104	4526	4020	4654	6069	482	2080	1045
Namibe	1738	3401	207	2288	3703	3786	2794	3160
Nouadhibou	4510	442	2932	5060	6475	4065	2136	3204
Paranagua	3995	3840	3592	4545	5960	654	1395	344
Papel	3702	1341	2109	4252	5667	3484	1649	2627
Pointe Noire	2343	2655	453	2893	4308	4089	2791	3375
Port Elizabeth	135	4830	1817	685	2100	4005	3710	3651
Port Harcourt	2962	2678	1142	3512	4927	4215	2660	3420
Rio de Janeiro	3771	3525	3297	4321	5736	900	1080	—
Santos	3901	3710	3478	4451	5866	758	1265	210
Sao Vicente Island	4470	869	2912	5020	6435	3545	1616	2684
Tema	3125	2216	1353	3675	5090	3888	2235	3063
Tubarao	3699	3270	3148	4249	5664	1128	824	263
Vitoria (Brazil)	3703	3256	3133	4253	5668	1145	810	280

AREA D	AREA D							
	Saco (Mocamedes)	Salvador	Santos	Sao Vicente Island	Takoradi	Tramandai	Tubarao	Walvis Bay
Bahia Blanca	4115	2126	1280	4065	4274	710	1648	3955
Beira	2686	4793	4852	5420	4077	4925	4647	2189
Belem	3744	1474	2345	1790	2868	2868	1906	3958
Buenos Aires	3946	1848	998	3782	4016	429	1367	3828
Cape Town	1205	3336	3400	3944	2593	3486	3201	700
Dakar	2574	2100	2950	465	1297	3470	2507	2982
Durban	1994	4093	4152	4720	3385	4125	3955	1489
Fortaleza	3068	798	1690	1477	2270	2192	1230	3283
Lagos	1396	2770	3454	1976	320	3937	3053	1880
Las Palmas	3401	2845	3710	869	2120	4234	3270	3809
Lobito	207	3068	3478	2912	1380	3796	3146	720
Luanda	407	3069	3538	2779	1218	3887	3192	915
Madeira	3656	3040	3907	1044	2374	4430	3468	4065
Mauritius	3489	5593	5652	6220	4880	5725	5450	2989
Mogadiscio	4094	6198	6257	6825	5485	6330	6055	3594
Monrovia	1882	2030	2799	1068	601	3312	2381	2300
Montevideo	3849	1751	901	3685	3919	332	1270	3731
Namibe	-	2954	3338	2939	1462	3636	2990	518
Nouadhibou	2959	2518	3391	520	1678	3915	2941	3367
Paranagua	3447	1066	163	3001	3285	504	565	3427
Pepel	2140	2013	2810	890	863	3334	2360	2550
Pointe Noire	618	3040	3556	2596	997	3939	3163	1122
Port Elizabeth	1616	3723	3782	4350	3007	3855	3577	1119
Port Harcourt	1253	2975	3600	2220	571	4065	3185	1740
Rio de Janeiro	3160	750	210	2685	2968	753	263	3167
Santos	3338	936	-	2871	3155	608	435	3330
Sao Vicente Island	2939	2000	2871	-	1666	3395	2400	3340
Tema	1443	2555	3247	1762	102	3738	3045	1911
Tubarao	2990	465	435	2400	2951	978	-	3085
Vitoria (Brazil)	3004	480	450	2415	2730	993	15	3085

Other ports on E Coast of S America, Atlantic Islands, E and W Africa

AREA E	AREA D							
	Azores (via Suez Canal)	Bahia Blanca (via Cape of Good Hope (except where marked †))	Beira	Belem	Buenos Aires (via Cape of Good Hope (except where marked †))	Cape Horn (via Cape of Good Hope (except where marked †))	Cape Town	Conakry
Abadan	6250	9270	3829	8547†	9184	9680	5189	7177†
Aden	4302	7695†	2600	6629†	7635	8124	4000	5244†
Aqaba	3040	7870†	3839	5603†	7592†	9345	5199	4237†
Bahrain	6034	8730	3624	8333†	8644	9140	4984	6967†
Bandar Abbas	5723	8450	3345	8053†	8364	8860	4705	6687†
Basrah	6288	8959	3942	8615†	8899	9374	5229	7206†
Bassein	7585	9170	4220	9731C	9084	9580	5390	8487†
Bhavnagar	6007	8591	3340	8376†	8531	9980	4860	6927†
Bushehr	5920	8790	3684	8403†	8704	9200	5044	7037†
Chennai	6959	8609	3635	9286†	8549	8990	4885	8020C
Chittagong	7635	9311	4548	9914C	9251	9692	5537	8723C
Cochin	6120	8107	3043	6453†	8021	8517	4362	7087†
Colombo	6398	8128	3175	8725†	8068	8517	4395	7332†
Djibouti	4300	7697	2602	6630†	7637	8126	4002	5242†
Dubai	5801	8528	3423	8131	8442	8938	4783	6765
Fujairah	5635	8362	3257	7965	8276	8772	4617	6599
Jeddah	3602	8398	3300	5939†	8335	8824	4700	4544†
Karachi	5773	8403	3225	8100†	8343	8826	4675	6709†
Kolkata	7607	9263	4200	9866C	9203	9644	5535	8675C
Kuwait	6045	8914	3809	8523†	8829	9325	5169	7157†
Malacca	7774	9230	4396	9791C	9144	9640	5490	8670C
Mangalore	6015	8121	3046	8724C	8061	8570	4391	6977†
Massawa	3902	8090	2991	6273†	8000	8500	4351	4907†
Mina al Ahmadi	6167	8890	3789	8503†	8804	9300	5149	7137†
Mongla	7621	9277	4214	9880C	9217	9658	5549	8689C
Mormugao	5984	8196	3121	8799C	8136	8645	4466	6927†
Moulmein	7640	9270	4305	9831	9184	9680	5475	8710C
Mumbai	5959	8361	3250	8286†	8301	9750	4630	6897†
Musay'td	5972	8690	3594	8303†	8604	9100	4955	6937†
Penang	7639	9026	4235	9659C	8996	9475	5325	8505C
Port Blair	7236	8810	3586	8873C	8795	9693	5075	8239C
Port Kelang	7716	9160	4320	9727C	9074	9570	5404	8607C
Port Okha	5768	8390	3284	8103†	8304	8800	4641	6737†
Port Sudan	3691	8194†	3247	6018†	8019†	8765	4576	4632†
Quseir	3252	7795†	3653	5528†	7517†	8611†	5013	4162†
Rangoon	7607	9263	4280	9866C	9203	9640	5540	8670C
Singapore	7932	9361	4515	9964C	9301	9760	5630	8790C
Sittwe	7640	9215	4175	9776C	9129	9625	5445	8512†
Suez	2994	7947†	3904	5321†	7322†	8386	5275	3937†
Trincomalee	6650	8310	3352	8871C	8224	9880	4565	7750C
Veraval	5826	8360	3250	8186†	8300	9750	4630	6797†
Vishakhapatnam	7274	8920	3882	9523C	8860	9250	5000	8280C

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

AREA E	AREA D							
	Dakar (via Suez Canal)	Dar es Salaam	Diego Suarez	Douala (via Cape of Good Hope (except where marked †))	Durban	East London	Lagos (via Cape of Good Hope (except where marked †))	Las Palmas (via Suez Canal)
Abadan	6741	2988	3013	7890	4399	4650	8580	5940
Aden	4825	1740	1840	6324	3169	3435	6438†	4019
Aqaba	3801	2982	3081	5768†	4409	4660	5397†	3000
Bahrain	6531	2783	2808	7350	4195	4445	7540	5730
Bandar Abbas	6250	2504	2529	7070	3915	4166	7350	5450
Basrah	6681	3018	3043	7584	4429	4688	7786	6005
Bassein	8051	3700	3257	7790	4670	4891	7980	7250
Bhavnagar	6572	2560	2670	7190	4030	4303	7418	5766
Bushehr	6601	2843	2868	5410	4254	4505	7600	5800
Chennai	7482	2840	2635	7200	4088	4449	7436	6673
Chittagong	8178	3538	3333	7902	4783	5038	8138	7372
Cochin	6450	2427	2090	6727	3572	3823	6917	3850
Colombo	6921	2380	2175	6726	3615	3824	6955	6115
Djibouti	4823	1742	1842	6326	3202	3437	6440†	4021
Dubai	6328	2582	2607	7148	3993	4244	7428	5528
Fujairah	6162	2416	2441	6982	3827	4078	7262	5362
Jeddah	4125	2440	2540	6104	3900	4135	5738	3319
Karachi	6296	2405	2515	7036	3895	4160	7230	5490
Kolkata	8130	3490	3285	7854	4735	4990	8090	7324
Kuwait	6720	2968	2993	7535	4379	4630	7725	5920
Malacca	8300	3920	3427	7850	4744	4953	8040	7500
Mangalore	6585	2364	2148	6780	3608	3864	6948	5776
Massawa	3470	2134	2233	6710	3561	3812	6067†	3670
Mina al Ahmadi	6700	2948	2973	7510	4359	4610	7700	5900
Mongla	8144	3504	3299	7868	4749	5004	8104	7338
Mormugao	6535	2439	2223	6855	3683	3939	7023	5726
Moulmein	8151	3808	3363	7890	4775	4990	8080	7350
Mumbai	6482	2330	2440	6960	3800	4073	7188	5676
Musay'td	6501	2755	2780	7310	4165	4410	7500	5700
Penang	8162	3780	3235	7685	4580	4794	7883	7349
Port Blair	7782	2745	2712	7485	4279	4532	7647	6976
Port Kelang	8239	3845	3353	7780	4683	4904	7970	7426
Port Okha	6300	2467	2390	7010	3850	4105	7200	5500
Port Sudan	4214	2395	2492	6163	3824	4087	5827	3401
Quseir	3725	2796	2895	5693	4223	4474	5322†	2925
Rangoon	8130	3750	3295	7850	4741	5007	8090	7317
Singapore	8455	3999	3555	7970	5191	5082	8188	7647
Sittwe	8086	3738	3293	7835	4725	4933	8025	7285
Suez	3517	3040	3140	5468	4481	4744	5130	2704
Trincomalee	7180	2833	2388	6930	3818	4020	7120	6380
Veraval	6382	2330	2440	6960	3800	4073	7188	5576
Vishakhapatnam	7707	3370	2920	7460	4378	4551	7747	6988

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

AREA E	AREA D							
	Lobito (via Cape of Good Hope (except where marked †))	Luanda (via Cape of Good Hope (except where marked †))	Madeira (via Suez Canal)	Maputo	Mauritius	Mogadiscio	Mombasa	Monrovia
Abadan	6920	7116	6851	4181	3399	2352	2828	5440†
Aden	5373	5550	3929	2960	2340	1106	1620	5493†
Aqaba	6585	6781	2911	4191	3576	2346	2842	4486†
Bahrain	6380	6576	5641	3976	3194	2147	2643	7216†
Bandar Abbas	6100	6296	5361	3697	2915	1868	2364	6936†
Basrah	6637	6840	5915	4361	3429	2382	2879	7455†
Bassein	6820	7016	7161	4530	3140	3250	3646	8345C
Bhavnagar	6269	6416	5656	3750	2755	2145	2630	7745C
Bushehr	6440	6636	5711	4036	3254	2207	2703	7286†
Chennai	6287	6426	6586	3895	2555	2651	3040	7444C
Chittagong	6989	7128	7282	4548	3253	3353	3747	8457C
Cochin	5757	5953	3761	3359	2143	1900	2354	5336†
Colombo	5806	5953	6025	3555	2095	2101	2519	5581†
Djibouti	5375	5552	3927	2962	2342	1109	1622	5491†
Dubai	6178	6374	5439	3775	2993	1946	2442	7014
Fujairah	6012	6208	5273	3609	2827	1780	2276	6484
Jeddah	6073	6250	3229	3660	3040	1806	2320	4793†
Karachi	6081	6262	5400	3675	2785	1863	2365	6958†
Kolkata	6941	7080	7234	4500	3205	3305	3699	8409C
Kuwait	6565	6761	5736	4161	3380	2332	2828	7406†
Malacca	6880	7076	7411	4639	3200	3488	3885	8986†
Mangalore	5799	6006	5689	3405	2270	1789	2265	7335C
Massawa	5740	5936	3581	3343	2730	1500	1995	5156†
Mina al Ahmadi	6540	6736	5811	4140	3360	2312	2808	7386†
Mongla	6955	7094	7248	4514	3219	3319	3713	8423C
Mormugao	5874	6081	5639	3480	2345	1864	2340	7410C
Moulmein	6920	7116	7261	4655	3225	3356	3752	8445C
Mumbai	6039	6186	5486	3520	2535	1915	2400	7515C
Musay'td	6340	6536	5611	3945	3165	2115	2615	7186†
Penang	6734	6911	7266	4485	3075	3321	3699	8265C
Port Blair	6425	6702	6886	3983	2825	2220	2569	7972C
Port Kelang	6802	7006	7343	4553	3130	3410	3812	8335C
Port Okha	6040	6236	5411	3633	2660	1875	2360	6986†
Port Sudan	6026	6201	3318	3605	2990	1760	2219	4881†
Quseir	6410	6606	2836	4005	3390	2160	2656	4411†
Rangoon	6941	7076	7234	4545	3215	3310	3720	8405C
Singapore	7039	7196	7559	4800	3330	3611	3990	8525C
Sittwe	6865	7061	7196	4525	3195	3286	3682	8390C
Suez	6025†	5898†	2621	4264	3640	2406	2922	4186†
Trincomalee	5960	6156	6291	3660	2295	2381	2775	7485C
Veraval	6039	6186	5586	3520	2535	1915	2400	7515C
Vishakhapatnam	6598	6686	6901	4190	2830	2915	3305	8105C

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

AREA E	AREA D							
	Montevideo (via Cape of Good Hope (except where marked †))	Mozambique I	Porto Alegre (via Cape of Good Hope (except where marked †))	Port Elizabeth	Port Harcourt (via Cape of Good Hope (except where marked †))	Recife (via Cape of Good Hope (except where marked †))	Réunion Island	Rio de Janeiro (via Cape of Good Hope (except where marked †))
Abadan	9087	3356	9105	4780	7942	8371†	3450	8751
Aden	7523	2150	7539	3560	6376	6463†	2358	7197
Aqaba	7495†	3365	7351†	4790	5640†	5431†	3598	6493†
Bahrain	8637	3149	8565	4575	7402	8270	3245	8211
Bandar Abbas	8267	2872	8282	4296	7122	7990	2966	7931
Basrah	8787	3386	8799	4883	7636	8449	3480	8461
Bassein	8987	3776	9005	4990	7842	8710	3261	8651
Bhavnagar	8419	2980	8405	4430	7242	8164	2830	8093
Bushehr	8607	3211	8625	4635	7462	8330	3305	8271
Chennai	8437	3135	8415	4415	7252	8182	2670	8111
Chittagong	9139	3833	9117	5153	7954	8884	3373	8813
Cochin	7924	2598	7942	3953	6490†	6281†	2234	7587
Colombo	7956	2675	7942	3975	6789	7701	2203	7588
Dubai	8345	2950	8360	4374	7200	8068	3044	8009
Fujairah	8179	2784	8194	4208	7034	7902	2878	7843
Djibouti	7525	2152	7541	3562	6378	6461†	2360	7199
Jeddah	8223	2850	8239	4260	5976†	5763†	3058	6829†
Karachi	8231	2825	8251	4255	7088	7976	2820	7905
Kolkata	9091	3785	9069	5105	7906	8836	3325	8765
Kuwait	8732	3336	8750	4760	7587	8455	3430	8396
Malacca	9047	3952	9065	5080	7902	8770	3316	8711
Mangalore	7949	2605	7995	4014	6832	7694	2357	7623
Massawa	7907	2515	7925	3940	6762	6101†	2750	7571
Mina al Ahmadi	8707	3316	8725	4740	7562	8430	3410	8371
Mongla	9105	3799	9083	5119	7920	8850	3339	8779
Mormugao	8024	2680	8070	4089	6907	7769	2432	7698
Moulmein	9087	3882	9105	5095	7940	8810	3354	8751
Mumbai	8189	2750	8175	4200	7012	7934	2600	7863
Musay'td	8507	3121	8525	4545	7362	8230	3215	8171
Penang	8884	3785	8900	4925	7737	8629	3150	8558
Port Blair	8683	3276	8898	4653	7320	8393	2944	8348
Port Kelang	8972	3878	8995	5009	7832	8700	3245	8646
Port Okha	8207	2812	8425	4232	7062	7930	2737	7871
Port Sudan	7919†	2776	8190	4199	6035†	5852†	3010	6917†
Quseir	7420†	3179	7276†	4604	5565†	5356†	3412	6418†
Rangoon	9091	3795	9065	5065	7902	8836	3320	8765
Singapore	9189	4075	9185	5209	8022	8934	3440	8863
Sittwe	9032	3812	9050	5065	7887	8755	3306	8696
Suez	7222†	3425	7051†	4873	5340†	5155†	3658	6220†
Trincomalee	8127	2905	8145	4156	6982	7850	2401	7791
Veraval	8190	2750	8175	4200	7010	7935	2600	7865
Vishakhapatnam	8748	3440	8675	4698	7512	8493	2935	8322

AREA E	AREA D							
	Salvador (via Cape of Good Hope (except where marked †))	Santos (via Cape of Good Hope (except where marked †))	Sao Vicente Island (via Suez Canal)	Takoradi (via Cape of Good Hope (except where marked †))	Tema	Tramandai (via Cape of Good Hope (except where marked †))	Vitoria (Brazil) (via Cape of Good Hope (except where marked †))	Walvis Bay (via Cape of Good Hope (except where marked †))
Abadan	6614	8880	6798	8110	8105C	8955	8683	6220
Aden	6822	7369	4898	6171†	6238†	7389	7117	4652
Aqaba	5815†	6680†	3858	5087†	5176†	7201†	6224†	5884
Bahrain	8283	8342	6588	7570	7565C	8415	8143	5679
Bandar Abbas	8003	8062	6308	7290	7285C	8135	7863	5399
Basrah	8517	8633	6884	7808	7804C	8660	8377	5916
Bassein	8723	8782	8108	8010	8005C	8855	8583	6119
Bhavnagar	8123	8265	6645	7440	7436C	8255	7983	5548
Bushehr	8343	8402	6658	7630	7625C	8475	8203	5739
Chennai	8133	8281	7555	7458	7454	8265	7993	5566
Chittagong	8834	8985	8251	8160	8156C	8967	8695	6268
Cochin	6665	7719	4708	5937	6026†	7792	7520	5056
Colombo	6910	7802	6994	6977	6937C	7792	7520	5085
Djibouti	6820	7371	4896	6169	6236†	7391	7119	4654
Dubai	8081	8140	6386	7368	7363	8213	7941	5477
Fujairah	7915	7974	6220	7202	7197	8047	7775	5311
Jeddah	6122†	7016†	4198	5471†	5538†	7537†	7104†	5352
Karachi	7969	8077	6369	7252	7348	8101	7829	5360
Kolkata	8787	8937	8203	8122	8108C	8919	8647	6220
Kuwait	8468	8527	6778	7755	7750C	8600	8328	5864
Malacca	8783	8842	8358	8070	8065C	8915	8643	6179
Mangalore	7713	7795	6630	6970	6966C	7845	7213	5108
Massawa	6485	7702	4528	5757	5846†	7775	6894	5039
Mina al Ahmadi	8443	8502	6758	7730	7725C	8575	8303	5839
Mongla	8800	8951	8217	8126	8122C	8933	8661	6234
Mormugao	7788	7870	6580	7045	7041C	7920	7648	5183
Moulmein	8823	8882	8208	8110	8105C	8955	8683	6219
Mumbai	7893	8035	6555	7210	7206C	8025	7753	5318
Musay'td	8243	8302	6558	7530	7525C	8375	8103	5639
Penang	8618	8730	8215	7905	7901C	8750	8478	6013
Port Blair	8408	8484	7855	7672	8650C	8748	8368	5780
Port Kelang	8713	8768	8312	8003	7995C	8845	8573	6101
Port Okha	7943	8002	6358	7230	7225C	8075	7803	5339
Port Sudan	6210†	7105†	4287	5560†	5627†	7596†	6619†	5304
Quseir	5740†	6605†	3783	5012†	5100†	7126†	6150†	5710
Rangoon	8783	8937	8203	8112	8108C	8915	8643	6220
Singapore	8903	9035	8528	8210	8206C	9035	8763	6318
Sittwe	8768	8827	8143	8055	8050C	8900	8628	6164
Suez	5515†	6408†	3590	4863†	4870†	6901†	5924†	5962
Trincomalee	7863	7908†	7238	7152	7145C	7995	7723	5259
Veraval	7895	8035	6455	7210	7205C	8025	7755	5320
Vishakhapatnam	8393	8594	7870	7769	7765C	8525	8253	5787

AREA F	AREA D							
	Azores (Ponta Delgada)	Bahia Blanca	Beira	Belem	Buenos Aires	Cape Horn	Cape Town	Conakry (via Cape of Good Hope)
Balikpapan	8959†	9677C	5169	10280C	9617C	9024	5947	9152
Bangkok	8964†	10132C	5362	10735C	10072C	10304	6402	9607
Basuo (Hainan Is)	9114†	10237C	5729	10840C	10177C	10065	6510	9712
Busan	10435†	10607M	7129	10685*	10977M	9663	8244	11006
Cam Pha	9392†	10690C	5965	11293C	10630C	10125	6960	10165
Cebu	9287†	10100C	5875	11078C	10415C	8893	6745	9952
Dalian	10544†	11959C	7132	10994*	11899C	10096	8229	11333
Haiphong	9292†	10590C	5865	11193C	10530C	10155	6860	10065
Ho Chi Minh City	8581†	9920C	5160	10523C	9860C	10045	6190	9395
Hong Kong	9386†	10647C	5950	10848C	10587C	9745	6909	10122
Hungnam	11371*	10899M	7279	10304*	11267M	9665	8222	11427
Inchon	10484†	11772C	7275	11387*	11712C	9961	8042	11324
Kampong Saom	8664†	9835C	5060	10435C	9770C	10004	6100	9305
Kaohsiung (Taiwan)	9557†	10653C	6145	11256C	10593C	9494	6926	10128
Keelung (Taiwan)	9737†	11012M	6325	11076*	10964C	9308	7294	10499
Kobe	10595†	10433M	7200	10313*	10801M	9450	8049	11248
Makassar	8922†	9644C	5094	10205C	9542C	8734	5875	9075
Manado	9422†	9605M	5767	10774C	10033M	8679	6428	9653
Manila	9262†	10267M	5860	11021C	10358C	9250	6700	9893
Masinloc	9302†	10307M	5890	11061C	10598C	9303	6740	9933
Moji	10483†	10486M	7070	10572*	10854M	9556	7880	11080
Muroran	11171†	10750M	7864	10430*	11122M	9496	8979	11741
Nagasaki	10347†	10573M	6960	10553*	10941M	9600	7894	11099
Nagoya	10786†	10316M	7374	10069*	10684M	9432	8304	11509
Nampo	10555†	11969C	7145	10944*	11910C	10046	8240	11343
Osaka	10603†	10441M	7191	10321*	10809M	9454	8051	11256
Otaru	11208†	10900M	7902	10580*	11268M	9646	9017	11855
Palembang	8114†	9237C	4729	9840C	9177C	9359	5510	8712
Qingdao	10398†	10885M	6986	10928*	11253M	10031	7969	11180
Qinhuangdao	10671†	11991C	7259	11245*	11931C	10202	8261	11360
Sabang	7335†	8770C	3921	9331C	8684C	9180C	4980	8210
Shanghai	10142†	10831M	6735	11002*	11199M	9807	7649	10850
Shimonoseki	10473†	10476M	7660	10552*	10844M	9557	7870	11070
Singapore	7932†	9361C	4515	9694C	9301C	9557	5630	8836
Surabaya	8572†	9290C	4800	9893C	9230C	8984	5560	8765
Tanjung Priok	8199†	8917C	4409	9520C	8857C	9066	5190	8392
Tokyo	10844†	10297M	7438	10052*	10665M	9313	8338	11542
Toyama	10933†	10936M	7520	10750*	11304M	9812	8330	11530
Vladivostok	11161*	11144M	7524	10094*	11512M	9906	8467	11672
Yokohama	10826†	10279M	7420	10034*	10647M	9301	8320	11524

AREA F	AREA D							
	Dakar (via Suez Canal)	Dar es Salaam	Diego Suarez	Douala (via Cape of Good Hope)	Durban	East London	Lagos (via Cape of Good Hope)	Las Palmas (via Suez Canal)
Balikpapan	9482	4783	4177	8287	5253	5372	8504	8676
Bangkok	9487	5423	4817	8927	5735	5827	8959	8681
Basuo (Hainan Is)	9537	5363	4757	8867	5479	5932	9064	8829
Busan	10958	6463	6253	10322	7284	7226	10358	10150
Cam Pha	9915	5982	5376	9486	5935	6385	9517	9109
Cebu	9810	5606	4600	9110	6009	6170	9302	9004
Dalian	11067	7049	6043	10553	7395	7654	10685	10261
Haiphong	9815	5882	5276	9386	6113	6285	9517	9009
Ho Chi Minh City	9104	5068	4462	8572	5477	5615	8747	8296
Hong Kong	9909	5825	7219	9329	6233	6342	9474	9103
Hungnam	11214	7136	6530	10640	7194	7647	10779	10406
Inchon	11027	6515	6305	10374	7333	7467	9599	12412
Kampong Saom	9185	9120	4515	8625	5070	5525	8660	8380
Kaohsiung (Taiwan)	9080	5779	5173	9283	6402	6348	9480	9541
Keelung (Taiwan)	10260	6174	5568	9678	6603	6719	9851	9454
Kobe	11118	7030	6424	10534	7465	7468	10600	10312
Makassar	9445	4728	4122	8232	5252	5297	8429	8680
Manado	9948	5328	4722	8833	5768	5972	9023	9140
Manila	9785	5602	4996	9106	6007	6113	9245	8977
Masinloc	9825	5642	5036	9146	5710	6153	9285	9017
Moji	11006	6875	6269	10379	7313	7300	10432	10198
Muroran	11693	7712	7106	11216	7508	7961	11093	10900
Nagasaki	10870	6755	6149	10259	7192	7319	10451	10062
Nagoya	11309	6895	6289	10399	7570	7729	10861	10501
Nampo	11077	7059	6053	10556	7211	7664	10695	10271
Osaka	11126	6925	6319	10429	7469	7476	10608	10318
Otaru	11731	7650	7044	11154	7547	8000	11131	10923
Palembang	8537	4363	3757	7867	4791	4932	8064	7829
Qingdao	10921	6828	6222	10332	7244	7394	10526	10113
Qinhuangdao	11194	7157	6551	10661	7501	7754	10718	10388
Sabang	7858	3443	2959	7390	4273	4485	7580	7052
Shanghai	10665	6565	5959	10069	6968	7070	10202	9858
Shimonoseki	10996	6865	6259	10369	7312	7290	10422	10188
Singapore	8455	3940	3326	7858	5191	5080	8188	7647
Surabaya	9195	4426	3820	7930	4876	4985	8117	8304
Tanjung Priok	8722	4043	3437	7547	4498	4612	7744	7916
Tokyo	11367	7255	6649	10759	7679	7762	10894	10558
Toyama	11456	7325	6719	10829	7295	7750	10882	10648
Vladivostok	11459	7381	6775	10885	7784	7892	11024	10651
Yokohama	11349	7237	6631	10741	7667	7744	10876	10540

AREA F	Lobita (via Cape of Good Hope)	Luanda (via Cape of Good Hope)	Madeira (via Suez Canal)	Maputo	Mauritius	Mogadiscio	Mombasa	Monrovia (via Cape of Good Hope)
Balikpapan	7355	7567	8586	5118	3052	4465	4741	8912
Bangkok	7810	8022	8591	5573	4392	4534	4829	9367
Basuo (Hainan Is)	7915	8130	8881	5678	4306	4967	5320	9475
Busan	9209	9864	10062	6974	5991	6288	6464	11209
Cam Pha	8368	8580	8905	6120	4950	5553	5447	9925
Cebu	8153	8365	8914	5916	4575	5177	5342	9710
Dalian	9536	9849	10171	7400	6018	6620	6599	11194
Haiphong	8268	8480	8905	6020	4850	5453	5347	9825
Ho Chi Minh City	7598	7810	8208	5365	4038	4129	4636	9155
Hong Kong	8325	8529	9013	6230	4794	5396	5441	9874
Hungnam	9630	9842	10318	7393	6105	6707	6746	11187
Inchon	9450	9662	8114	7312	6043	6340	6855	11007
Kampong Saom	7510	7720	8290	5270	4090	4230	4525	9065
Kaohsiung (Taiwan)	8331	8546	9452	6094	4748	5461	5736	9891
Keelung (Taiwan)	8702	8914	9364	6465	5143	5745	5792	10259
Kobe	9451	9669	10222	7220	5999	6601	6650	11014
Makassar	7280	7495	8549	5043	3697	4410	4685	8840
Manado	7863	8059	9052	5698	4297	5010	5317	9385
Manila	8096	8320	8889	5859	4580	5173	5317	9665
Masinloc	8136	8360	8929	5899	4620	5213	5357	9705
Moji	9283	9500	10110	7048	5846	6446	6538	10845
Muroran	10038	10599	10797	7793	6726	7023	7349	11944
Nagasaki	9302	9514	9974	7064	5724	6326	6402	10859
Nagoya	9712	9924	10413	7475	5866	6466	6841	11269
Nampo	9546	9860	10181	7410	6028	6630	6609	11205
Osaka	9459	9671	10230	7222	5784	6396	6658	11016
Otaru	10067	10637	10894	7832	6763	7061	7313	11982
Palembang	6915	7130	7881	4678	3306	3967	4320	8475
Qingdao	9377	9589	10025	7140	5797	6399	6453	10934
Qinhuangdao	9569	9881	10298	7432	6130	6728	6726	11226
Sabang	6420	6616	6962	4171	2731	3015	3388	7945
Shanghai	9053	9269	9765	6809	5534	6136	6197	10614
Shimonoseki	9273	9490	10100	7038	5836	6436	6528	10835
Singapore	7039	7250	7559	4769	3488	3785	3990	8595
Surabaya	6968	7180	8199	4730	3395	4105	4354	8525
Tanjung Priok	6595	6710	7726	4358	3012	3725	4000	8155
Tokyo	9745	9958	10473	7518	6224	6826	6899	11303
Toyama	9733	9950	10560	7498	6296	6896	6988	11295
Vladivostok	9875	10087	10563	7638	6350	6952	6991	11432
Yokohama	9727	9940	10455	7500	6206	6808	6881	11285

AREA F	Montevideo	Mozambique I	Porto Alegre	Port Elizabeth	Port Harcourt (via Cape of Good Hope)	Recife	Réunion Island	Rio de Janeiro
Balikpapan	9505C	4706	9524C	5547	8405	9250C	3167	9179C
Bangkok	9960C	5346	9979C	6002	8855	9705C	4507	9634C
Basuo (Hainan Is)	10065C	5258	10082C	6109	8964	9810C	4421	9739C
Busan	10912M	6943	11297M	7404	10258	11437C	6106	11033C
Cam Pha	10518C	5905	10537C	6560	9417	10263C	5065	10192C
Cebu	10303C	5529	10322C	6345	9200	10048C	4690	9977C
Dalian	11428M	6972	11813M	7289	10585	11431C	6133	11360C
Haiphong	10418C	5805	10437C	6460	9315	10163C	4965	10092C
Ho Chi Minh City	9748C	4991	9767C	5785	8647	9493C	4153	9422C
Hong Kong	10475C	5748	10494C	6516	9372	10220C	4909	10149C
Hungnam	11202M	7059	11587M	7822	10679	11212*	6220	11454C
Inchon	11220M	6855	11605M	7650	9500	11489C	6158	11274C
Kampong Saom	9660C	5045	9675C	5700	8560	9405C	4205	9330C
Kaohsiung (Taiwan)	10481C	5702	10500C	6525	9380	10559C	4863	10155C
Keelung (Taiwan)	10852C	6097	10771C	6894	9751	10597C	5258	10526C
Kobe	10736M	6953	11749C	7649	10500	11221*	6114	11275C
Makassar	9430C	4651	9449C	5474	8329	9629C	3812	9104C
Manado	10033M	5251	10048C	6078	8885	9753C	4411	9694C
Manila	10246C	5525	10265C	6300	9145	9991C	4695	9920C
Masinloc	10286C	5565	10305C	6340	9185	10031C	4735	9960C
Moji	10789M	6798	11174M	7478	10332	11470*	5961	11107C
Muroran	11044C	7678	11438M	8138	10993	11340*	6841	11768C
Nagasaki	10876M	6678	11261M	7494	10351	11470*	5839	11126C
Nagoya	10619M	6818	11004M	7904	10761	10977*	5981	11536C
Nampo	11438M	6982	11823M	7839	10595	11441C	6143	11370C
Osaka	10744M	6748	11129M	7651	10508	11229*	5909	11283C
Otaru	11564M	7716	11588M	8253	11031	11497*	6878	11882C
Palembang	9065C	4258	9082C	5109	7964	8810C	3421	8739C
Qingdao	11188M	6751	11573M	7569	10426	11272C	5912	11201C
Qinhuangdao	11528M	7084	11913M	7929	10618	11464C	6245	11393C
Sabang	8587C	3481	8605C	4610	7442	8310C	2846	8251C
Shanghai	11134M	6488	11519M	7249	10102	10948C	5649	10877C
Shimonoseki	10779M	6788	11164M	7468	10322	11495*	5951	11097C
Singapore	9189C	4440	9208C	5209	8088	8934C	3603	8863C
Surabaya	9118C	4349	9137C	5160	8017	8863C	3510	8792C
Tanjung Priok	8745C	3966	8764C	4789	7644	8490C	3127	8419C
Tokyo	10600M	7178	10985M	7938	10794	10960*	6339	11535M
Toyama	11239M	7248	11624M	7952	10782	11660*	6411	11557C
Vladivostok	11447M	7304	11832M	8067	10924	11002*	6465	11699C
Yokohama	10582M	7160	10967M	7920	10776	10942*	6321	11517M

AREA F	AREA D							
	Salvador	Santos	Sao Vicente Island (via Suez Canal)	Takoradi (via Cape of Good Hope)	Tema (via Cape of Good Hope)	Tramandai	Vitoria (Brazil)	Walvis Bay (via Cape of Good Hope)
Balikpapan	9282C	9451C	9555	8521	8522	9374C	9102C	6634
Bangkok	9737C	9806C	9560	8981	8977	9829C	9557C	7089
Basuo (Hainan Is)	9842C	9911C	9700	9086	9082	9932C	9660C	7199
Busan	11333C	11205C	11031	10380	10809	11147M	11183C	8488
Cam Pha	10295C	10364C	9988	9539	9535	10387C	10115C	7647
Cebu	10080C	10149C	9883	9324	9320	10172C	9900C	7432
Dalian	11564C	11532C	11140	10707	10703	11663M	11346C	8815
Haiphong	10195C	10264C	9888	9439	9435	10287C	10015C	7547
Ho Chi Minh City	9525C	9594C	9177	8769	8765	9617C	9345C	6877
Hong Kong	10252C	10321C	9985	9496	9492	10344C	10072C	7604
Hungnam	11686	11626C	11287	10801	10797	11437M	11425C	8809
Inchon	11526C	11446C	11083	10621	10817	11455M	11245C	8734
Kampong Saom	9435C	9505C	9260	8680	8677	9525C	9255C	6789
Kaohsiung (Taiwan)	10258C	10327C	10420	9502	9498	10350C	10078C	7615
Keelung (Taiwan)	10629C	10698C	10333	9873	9869	10621C	10349C	7981
Kobe	11378C	11447C	11191	10622	10618	11599C	11327C	8730
Makassar	9207C	9276C	9785	8451	8447	9299C	9027C	6564
Manado	9766C	9825C	10021	9053	9043	9898C	9626C	7162
Manila	10023C	10092C	9858	9267	9263	10115C	9843C	7375
Masinloc	10063C	10132C	9898	9307	9303	10155C	9883C	7415
Moji	11210C	11279C	11079	10454	10450	11024M	11083M	8562
Muroran	11816*	11940C	11766	11109	11555	11288M	11686C	9228
Nagasaki	11229C	11298C	10943	10473	10469	11111M	11052C	8581
Nagoya	11456*	11708C	11382	10883	10879	10854M	11192C	8991
Nampo	11574C	11542C	11150	10717	10715	11673M	11362C	8825
Osaka	11386C	11455C	11199	10630	10626	10979M	11122C	8738
Otaru	11958*	12054C	11854	11229	11593	11438M	11790C	9337
Palembang	8842C	8911C	8700	8086	8082	8932C	8660C	6199
Qingdao	11304C	11373	10994	10548	10544	11423M	11125C	8656
Qinhuangdao	11596C	11565C	11267	10740	10736	11763M	11454C	8848
Sabang	8323	8382C	7931	7610	7605	8455C	8183C	5719
Shanghai	10980C	11049C	10783	10224	10220	11369M	10862C	8332
Shimonoseki	11200C	11269C	11069	10444	10440	11014M	11075C	8552
Singapore	8966C	9035C	8528	8210	8206	9058C	8786C	6318
Surabaya	9895C	8964C	9168	8139	8135	8987C	8715C	6247
Tanjung Priok	8522C	8591C	8795	7766	7762	8614C	8342C	5879
Tokyo	11439*	11354M	11440	10916	10912	10835M	11785M	9024
Toyama	11660C	11729C	11529	10904	10900	11474M	11533M	9012
Vladivostok	11481*	11871	11532	11046	11042	11682M	11678C	9154
Yokohama	11421*	11336	11422	10898	10894	10817M	11767M	9006

AREA G	AREA D							
	Azores (Ponta Delgada)	Bahia Blanca	Beira	Belem	Buenos Aires	Cape Horn	Cape Town	Conakry
Adelaide	10400†	7379M	5360	10619*	7737M	6297	5880	8951C
Albany	9428†	8117M	4385	9108C	8085M	7055	4805	9760C
Apia	9138*	6038M	9160	8076*	6705M	5245	9861	10060M
Auckland	9934*	5818M	6760	8864*	6186M	4800	7150C	9532M
Banaba	10186*	7653M	8081	9126*	8050M	5570	8772	10759*
Bluff	10137*	5803M	6731	9094M	6200M	4740	7087C	9487M
Brisbane	11090*	7067M	6715	10025*	7435M	6030	6945C	10250C
Cairns	11901*	7853M	6765	10836*	8250M	6790	7358C	10540C
Cape Leeuwin	9148†	8108M	4277	8978C	8215M	7182	4675C	7830C
Darwin	9694†	9183M	5544	10443C	9580M	8120	6137	9330C
Esperance	9684†	8023M	4657	9291C	8420M	6960	4983	8170C
Fremantle	9223†	8426C	4355	9028C	8398C	7362	4790C	7900C
Geelong	10758†	6987M	5780	10284M	7385M	5925	6096C	9290C
Geraldton	9079†	8460C	4334	9081C	8394C	7540	4767	7950C
Hobart	10798C	8435M	5580	10126C	8803M	5650	5790C	9415C
Honolulu	8107*	7374M	10350	7034*	7742M	6477	11080C	8681*
Launceston	11138C	6868M	5883	10466C	7236M	5739	6133C	9365C
Lyttleton	9997*	5735M	6728	8927*	6103M	4620	6828C	9367M
Mackay	11178†	7521M	7109	10460*	7918M	6458	7489C	10680C
Madang	10726†	8181M	7766	10587*	8850M	7456	8259C	11452
Makatea	7920*	5228M	9230	6765*	5637M	4332	8532M	9079M
Melbourne	10780†	6983M	5780	10284M	7375M	5920	6086C	9286C
Napier	9820*	5663M	7027	8750*	6060M	4600	7353C	9347M
Nauru Island	10341*	7743M	7921	9276*	8140M	6680	8622	10909*
Nelson	10019*	5774M	6808	8956*	6170M	4711	6965	9457M
Newcastle (NSW)	11300†	6404M	6290	9741M	6772M	5890	6545C	9610C
New Plymouth	10076*	5831M	6798	9008*	6227M	4768	6955	9514M
Noumea	10405*	6531M	7247	9334*	6899M	5660	7479C	10407M
Otago Harbour	10174*	5704M	6895	9004M	6100M	4650	6655C	9397M
Papeete	7920*	5237M	9200	6845*	5605M	4300	8500M	9047M
Portland (Victoria)	10580†	7053M	5580	10354M	7445M	5970	5886C	9086C
Port Hedland	9099†	9015C	4705	9576C	8929C	9425	5270C	8455C
Port Kembla	11051*	6366M	6190	10072*	6734M	5840	6430C	9499C
Port Lincoln	10349†	7297M	5377	10744M	7835M	6371	5675C	8830C
Port Moresby	10668†	8001M	6593	10515*	8428M	6957	7149C	10342C
Port Pirie	10499†	7398M	5500	10844M	7935M	6472	5898C	9053C
Rockhampton	11369*	7216M	6980	10050*	7633M	6270	7359C	10550C
Suva	9748*	6448M	7873	8678*	6816M	5402	8105C	10207M
Sydney	11096*	6397M	6235	10026*	6765M	5823	6470C	9535C
Wellington	9930*	5638M	6880	8857*	6006M	4607	7025C	9397M

AREA D	AREA G							
	Dakar	Dar es Salaam	Diego Suarez	Douala	Durban	East London	Lagos	Las Palmas
Adelaide	9364C	5640	4965	8131C	5150	5156	8346C	10145†
Albany	8350C	4647	3972	7140C	4280	4364	7332C	9145†
Apia	9450*	8907	8277	10587M	9223	9365	10456M	9564*
Auckland	9742M	7346	5294	9990C	6738	6803	9710C	10385*
Banaba	10500*	7828	7198	11150C	8144	8286	11340C	10614*
Bluff	9680M	6961	6286	9452C	6633	6682	9642C	10457M
Brisbane	10520C	6937	6262	9430C	6608	6657	9502C	11335C
Cairns	10940C	6616	5975	9720C	6779	6889	9910C	10540†
Cape Leeuwin	8220C	4517	3842	7010C	4150	4234	7202C	9015†
Darwin	9730C	5427	4773	8510C	5558	5678	8700C	9355†
Esperance	8570C	4857	4182	7350C	4529	4578	7540C	9393C
Fremantle	8365C	4500	3827	7080C	4250	4264	7267C	8940†
Geelong	9691C	5977	5302	8470C	5659	5696	8673C	10511C
Geraldton	8350C	4437	3763	7130C	4263	4336	7320C	8780†
Hobart	9368C	6095	5427	8595C	5230	5192	8350C	10188C
Honolulu	8422*	9943	9337	10136*	10394	10562	9778*	8555*
Launceston	9708C	6045	5377	8545C	5470	5395	8690C	10585†
Lyttleton	9659M	7077	6402	9185C	6183	6653	9385C	10445*
Mackay	11080C	6960	6319	9860C	7035	7084	10050C	10083†
Madang	11852C	7549	6895	10632C	7680	8000	9922C	11477†
Makatea	8150*	9477	8802	9606M	9098	8946	9325M	8283*
Melbourne	9688C	5973	5298	8465	5640	5694	8670C	10500C
Napier	9540M	7227	6552	9630C	6899	6948	9743M	10244*
Nauru Island	10650*	7668	7038	10990C	7984	8126	11180C	10764*
Nelson	9651M	7200	6527	9320C	6250	6753	9510C	10428M
Newcastle (NSW)	10116C	6437	5762	8990C	5965	5985	9190C	11011†
New Plymouth	9708M	7190	6517	9310C	6240	6743	9500C	10485M
Noumea	10455M	7427	6752	9845C	6903	6926	10036C	10852*
Otago Harbour	9590M	7100	6424	9590C	6600	5950	9780C	10352M
Papeete	8230*	9377	8702	9574M	8998	8846	9293M	8363*
Portland (Victoria)	9488C	5773	5098	8265C	5440	5494	8470C	10300C
Port Hedland	8835C	4658	3997	7635C	4702	4806	7825C	8819†
Port Kembla	10004C	6322	5647	8875C	5885	5885	8986C	10895†
Port Lincoln	9220C	5617	4942	8010C	5250	5334	8202C	10115†
Port Moresby	10742C	6439	5785	9522C	6570	6690	9712C	10367†
Port Pirie	9343	5840	5165	8133C	5373	5457	8325C	10338†
Rockhampton	10950C	6830	6189	9730C	6905	6954	9920C	10753†
Suva	10063*	8337	7696	10491C	7529	7377	10504M	10196*
Sydney	10044C	6362	5687	8915C	5895	5925	9026C	10935†
Wellington	9562M	7270	6597	9741C	6320	6823	9587C	10375*

AREA D	AREA G							
	Lobito	Luanda	Madeira	Maputo	Mauritius	Mogadiscio	Mombasa	Monrovia
Adelaide	7197C	7357C	10050†	5142	4352	5708	5690	8686C
Albany	6183C	6366C	9055†	4300	3350	4642	4669	7695C
Apia	10029M	10174M	9543*	9168	7800	8619	8900	9984M
Auckland	8561C	9216C	10290*	6730	6225	7494	7575	9456
Banaba	10180C	10376C	10550*	8089	6275	7582	7820	10955*
Bluff	8482C	8678C	10453*	6686	5649	6956	7029	9411M
Brisbane	8453C	8656C	11330†	6415	5600	6932	6784	9985C
Cairns	8750C	8946C	10450†	6758	5461	6351	6615	10275C
Cape Leeuwin	6053C	6236C	8925†	4202	3165	4472	4539	7565C
Darwin	7540C	7736C	9266†	5537	4239	5167	5434	9065C
Esperance	6380C	6576C	9241†	4582	3545	4852	4925	7805C
Fremantle	6118C	6306C	8850†	4300	3200	4481	4564	7635
Geelong	7494C	7696C	10385†	5690	4665	5972	6000	9025C
Geraldton	6160C	6356C	8691	4289	3149	4381	4993	7685C
Hobart	7201C	7636C	10450C	5320	4625	6097	6270	9050C
Honolulu	10533*	10489*	8470*	10299	8912	9625	9868	8876*
Launceston	7541C	7586C	10498†	5440	4575	6047	6231	9000C
Lyttleton	8236C	8411C	10360*	6365	5765	7072	7461	9291M
Mackay	8890C	9086C	10794†	7086	5805	6695	6959	10415C
Madang	9662C	9858C	11388†	7659	6361	7289	7556	11187C
Makatea	9056M	9510M	8198*	9146	8165	9472	9554	9003M
Melbourne	7491C	7690C	10400†	5680	4665	5968	5998	9020C
Napier	8660C	8856C	10181*	6952	5915	7222	7295	9271M
Nauru Island	10020C	10216C	10700*	7929	6564	7380	7660	11105*
Nelson	8350C	8546C	10379*	6575	5700	7695	7413	9382M
Newcastle (NSW)	7950C	8216C	10924†	6035	5193	6432	6531	9545C
New Plymouth	8340C	8536C	10436*	6565	5690	7685	7403	9439M
Noumea	8887C	9071C	10767*	7293	6115	7422	7469	10331M
Otago Harbour	8621C	8816C	10537*	5920	5700	7092	7200	9321M
Papeete	9024M	9481M	8278*	9046	8065	9372	9454	8971M
Portland (Victoria)	7291C	7490C	10299†	5480	4465	5768	5798	8820C
Port Hedland	6665C	6861C	8729†	4692	3431	4504	4691	8190C
Port Kembla	7837C	8033C	10810†	5935	5090	6317	6419	9430C
Port Lincoln	7053C	7236C	10025†	5202	4165	5472	5639	8565C
Port Moresby	8552C	8748C	10278†	6549	5251	6179	6446	10077C
Port Pirie	7176C	7359C	10248†	5325	4288	5595	5862	8688C
Rockhampton	8760C	8956C	10664†	6956	5675	6565	6829	10285C
Suva	9513C	9709C	10111*	7778	7182	8043	8144	10134M
Sydney	7877C	8073C	10850†	5975	5130	6357	6459	9470C
Wellington	8438C	8634C	10300*	6625	5900	7365	7483	9324M

AREA G	AREA D							
	Montevideo	Mozambique I	Porto Alegre	Port Elizabeth	Port Harcourt	Recife	Réunion Island	Rio de Janeiro
Adelaide	7672M	5496	8037M	5420	8183C	9622M	4393	8608M
Albany	8020M	4500	8355C	4360	7192C	8078C	3400	8007C
Apia	6608M	8820	6889M	9470	10534M	8451M	7911	7441M
Auckland	6120M	7352	6525M	6848	10006M	8071M	6252	7056M
Banaba	7953M	7440	8330M	8392	11302C	9865M	6862	8856M
Bluff	6103M	6814	6480M	6754	9504C	8015M	5714	7006M
Brisbane	7370M	6790	7770M	6235	9482C	10933*	5690	8305M
Cairns	8153M	6506	8530M	6985	9772C	10060M	5560	9056M
Cape Leeuwin	8150M	4330	8225C	4230	7062C	7928C	3270	8335C
Darwin	9483M	5322	9725C	5431	8562C	9430C	4338	9370C
Esperance	8293M	4710	8700M	4650	7402C	8270C	3610	8211C
Fremantle	8273C	4363	8295C	4370	7132C	8093C	3269	8000C
Geelong	7288M	5830	7665M	5770	8522C	8700M	4730	8191M
Geraldton	8327C	4299	8345C	4417	7182C	8053C	3227	7991C
Hobart	8738M	5955	7390M	5220	8562C	9096C	4855	7916M
Honolulu	7649M	9866	8217M	10728	10008*	7549*	9026	8612M
Launceston	7171M	5905	7479M	5362	8512C	9436C	4805	8005M
Lyttleton	6038M	6930	6300M	6512	9237C	7988M	5830	6973M
Mackay	7821M	6850	8198M	7156	9912C	9733M	5904	8724M
Madang	8756M	7444	9142M	7553	10684C	10050C	5392	9694M
Makatea	8788M	9330	6072M	8964	9873M	7607M	8330	6607M
Melbourne	7260M	5825	7660M	5759	8520C	8700M	4728	8187M
Napier	5963M	7080	6340M	7020	6982C	7875M	5980	6866M
Nauru Island	8043M	7582	8420M	8232	11142C	9955M	6672	8946M
Nelson	6074M	7055	6451M	6295	9372C	7986M	5820	6977M
Newcastle (NSW)	6707M	6290	7090M	5819	9042C	8657M	5190	7642M
New Plymouth	6131M	7045	6508M	6285	9362C	8043M	5810	7034M
Noumea	6834M	7280	7400M	7017	9897C	8784M	6180	7769M
Otago Harbour	6007M	6950	6390M	6005	9642C	7557M	5852	6922M
Papeete	5640M	9230	6040M	8864	9841M	7490M	8230	6575M
Portland (Victoria)	7330M	5625	7730M	5559	8320C	9270M	4528	8257M
Port Hedland	8832C	4530	8850C	4900	7687C	8555C	3520	8492C
Port Kembla	6669M	6175	7053M	5719	8855C	8524M	5150	7604M
Port Lincoln	7720M	5330	8120M	5230	8062C	8928C	4270	8647M
Port Moresby	8334M	6334	8720M	6443	9574C	10286M	5350	9272M
Port Pirie	8120M	5453	8610M	5353	8316C	9051C	4493	8747M
Rockhampton	7820M	6720	8225M	7026	9782C	9460M	5774	8477M
Suva	6751M	8198	7130M	7395	10706M	8701M	7252	7686M
Sydney	6700M	6215	7084M	5759	8895C	8650M	5190	7635M
Wellington	5940M	7193	6320M	6355	9793C	7891M	6093	6880M

Australasia, New Guinea and Pacific Islands

AREA G	AREA D							
	Salvador	Santos	Sao Vicente Island	Takoradi	Tema	Tramandai	Vitoria (Brazil)	Walvis Bay
Adelaide	9243M	8426M	9712C	8368C	8634C	7887M	8791M	6476C
Albany	8073C	8179C	8698C	7354C	7350C	8205C	7933C	5462C
Apia	8123M	7308M	9000*	10202M	10216M	6739M	7669M	9676M
Auckland	7713M	6875M	9680M	9838M	9728M	6375M	7279M	7840C
Banaba	9536M	8739M	10050*	11370C	11365C	8180M	9084M	9479C
Bluff	7686M	6889M	9620M	9629M	9667C	6327M	7234M	7781C
Brisbane	8976M	8124M	10868C	9524C	9630C	7620M	8524M	7632C
Cairns	9736M	8930M	11280C	9940C	9935C	8380M	9284M	7909C
Cape Leeuwin	8405C	8467C	8568C	7188C	7183C	8075C	8265C	5332C
Darwin	9443C	9502C	10070C	8730C	8725C	9575C	9303C	6839C
Esperance	8283C	8342C	8910C	7570C	7565C	8415C	8143C	5679C
Fremantle	8013C	8094C	8623C	7309C	7295C	8200C	7873C	5407C
Geelong	8871M	7504M	9999C	8695C	8691C	7515M	8419M	6793C
Geraldton	8063C	8122C	8690C	7350C	7355C	8195C	7923C	5459C
Hobart	8596M	9197C	9716C	8372C	8368C	7240M	8144M	6480C
Honolulu	8292*	8431M	7984*	9530*	9627*	8067M	8709*	10551M
Launceston	8685M	9537C	10056C	8712C	8708C	7369M	8233M	6820C
Lyttleton	7566M	6792M	9874*	9407C	9403C	6210M	7114M	7515C
Mackay	9404M	8607M	11420C	10080C	10050C	8044M	8952M	8189C
Madang	10344M	9549M	11522*	10944C	10939C	8992M	9924M	8961C
Makatea	7257M	6462M	7782*	9074M	9155M	5922M	6837M	8696M
Melbourne	8868M	7504M	9986C	8685C	8688C	7508M	8417M	6780C
Napier	7546M	6749M	9480M	9489M	9571M	6190M	7094M	7959C
Nauru Island	9626M	8829M	10200*	11210C	11205C	8270M	9174M	9319C
Nelson	7657M	6860M	9591M	9540C	9535C	6301M	7205M	7649C
Newcastle (NSW)	8836M	10464C	10461M	9120C	9116C	7480M	8384M	7228C
New Plymouth	7714M	6917M	9648M	9530C	9525C	6358M	7262M	7639C
Noumea	8606M	7588M	10281*	10058C	10054C	7250M	8154M	8166C
Otago Harbour	7596M	6361M	10051*	9532M	9621M	6240M	7144M	7340C
Papeete	7246M	6294M	7862*	9257M	9123M	5890M	6794M	8664M
Portland (Victoria)	8938M	7574M	9786C	8485C	8488C	7578M	8487M	6580C
Port Hedland	8562C	8624C	9195C	7855C	7850C	8700C	8422C	5964C
Port Kembla	8254M	7459M	10350C	9004C	8999C	6903M	7834M	7116C
Port Lincoln	9297M	8502M	9568C	8288C	8283C	7970M	8877M	6332C
Port Moresby	9927M	9127M	11082C	9771C	9766C	8570M	9502M	7851C
Port Pirie	9397M	8602M	9691C	8411C	8406C	8460M	8977M	6455C
Rockhampton	9127M	8332M	11290C	9926C	9921C	7975M	8707M	8059C
Suva	8369M	7505M	9625*	10468M	11268*	6980M	7917M	8792C
Sydney	8318M	7454M	10390C	9048C	9044C	6934M	7866M	7156C
Wellington	7559M	6695M	9493M	9609C	9605C	6170M	7107M	7717C

Australasia, New Guinea and Pacific Islands

AREA H	AREA D						
	Azores (Ponta Delgada)	Bahia Blanca	Beira	Belem	Buenos Aires	Cape Horn	Cape Town
Antofagasta	5570*	3000M	7718M	4492*	3368M	2130	6627M
Arica	5342*	3305M	8023M	4273*	3673M	2405	6932M
Astoria	7205*	7731M	11576	6135*	8099M	6880	10291*
Balboa	3430*	5778*	7979*	2353*	5304M	4085	6509*
Buenaventura	3774*	6129*	8330*	7204*	4804M	3867	6860*
Cabo Blanco (Peru)	4180*	6528*	8729*	3103*	4554M	3299	7259*
Caldera	5780*	2813M	7388M	4683*	3583M	1899	6295M
Callao	4767*	3675M	8393M	3698*	4043M	2825	7302M
Cape Horn	6200	1060	5725C	4340	1535	-	4256
Chimbote	4587*	3855	8573M	3518*	4223M	2987	7482M
Coos Bay	7021*	9376*	11464	5951*	8071M	6690	10107*
Corinto	4148*	6476*	8677*	3051*	5574M	4330	7207*
Eureka	6880*	9235*	11436*	5810*	7642M	6535	9966*
Guayaquil	4250*	6602*	8803*	3177*	4679M	3449	7333*
Guaymas	5832*	8160*	10367*	4735*	7830*	5539	8891*
Honolulu	8107*	7374M	10350	7037*	7742M	6477	11080C
Iquique	5409*	3205M	7923M	4339*	3573M	2345	6832M
Los Angeles	6335*	8690*	10891*	5265*	7243M	6005	9421*
Manzanillo (Mex)	5140*	7495*	9696*	4070*	5946M	4931	8226*
Mazatlan (Mex)	5428*	7783*	9984*	4358*	7434*	5206	8514*
Nanaimo	7462*	9817*	11592*	6392*	8350M	7113	10548*
New Westminster	7470*	9825*	11600	6400*	8357M	7121	10556*
Portland (Oreg)	7291*	9646*	11662	6221*	8185M	6967	10377*
Port Alberni	7424*	9772*	11503	6347*	8258M	7058	10503*
Port Isabel	6112*	8440*	10647*	5015*	8110*	5769	9171*
Port Moody	7465*	9820*	11595	6395*	8348M	7116	10551*
Prince Rupert	7726*	10081*	11856	6656*	8613M	7351	10812*
Puerto Montt	6422*	2030M	6695M	5407*	2395M	1315	5306M
Puntarenas (CR)	3895*	6243*	8444*	2818*	5434M	4114	6970*
Punta Arenas (Ch)	6208	1020M	5735M	4350M	1435M	1415	4346M
Salina Cruz	4610*	6938*	9139*	3413*	5916M	4582	7669*
San Francisco	6667*	9022*	11223*	5597*	7565M	6338	9753*
San José (Guat)	4338*	6666*	8867*	3141*	5705M	4440	7395*
Seattle	7443*	9798*	10582	6373*	8339M	7098	10529
Tacoma	7474*	9829*	11604	6404*	8361M	7115	10560*
Talcahuano	6230*	2229M	8947M	5157*	2597M	1373	5856M
Tocopilla	5490*	7854*	7902M	4420*	3552M	2218	6811M
Valparaiso	6038*	2433M	7151M	4968*	2801M	1580	6060M
Vancouver (BC)	7461*	9816*	11591	6391*	8348M	7112	10547*
Victoria (Vanc Is)	7394*	9749*	11524	6324*	8281M	7035	10480*

West Coast of North and South America

AREA H	AREA D							
	Dakar	Dar es Salaam	Diego Suarez	Douala	Durban	East London	Lagos	Las Palmas
Antofagasta	5877*	8951M	8899M	7887*	7025M	6772M	7233*	6010*
Arica	5658*	9256M	9204M	7368*	7330M	7077M	7014*	5792*
Astoria	7520*	11375	10769*	11068*	10815*	10600*	8850*	7653*
Balboa	3738*	8833	8781	5448*	7286*	7033*	5094*	3870*
Buenaventura	4089*	9184*	9132*	5799*	7637*	7384*	5445*	4222*
Cabo Blanco (Peru)	4488*	9583*	9531*	6198*	8036*	7783*	5844*	4620*
Caldera	6068*	8619M	8567M	7778*	6855M	6611M	7424*	6180*
Callao	5083*	9526M	9574M	6793*	7700M	7447M	6439*	5217*
Cape Horn	5005	6600	6520	5275	5035	4791	5075	5800
Chimbote	4903*	9806M	9754M	6613*	7880M	7627M	6259*	5037*
Coos Bay	7336*	11526	10920	9046*	10884*	10631*	8692	7469*
Corinto	3346*	9531*	9479*	6146*	7984*	7723*	5792*	4568*
Eureka	7195*	11571	10965	8905*	10743*	10490*	8551*	7328*
Guayaquil	4562*	9657*	9605*	6272*	8110*	7857*	5918*	4692*
Guaymas	6120*	11215*	11163*	7830*	9668*	9415*	7476*	6252*
Honolulu	8422*	9977	9371	10132*	10244	10092	9778*	8555*
Iquique	5724*	9156M	9105M	7434*	7230M	6977M	7080*	5858*
Los Angeles	6650*	11399	10793	8360*	10198*	9945*	8006*	6783*
Manzanillo (Mex)	5455*	10550*	10498*	7165*	9003*	8750*	6811*	5588*
Mazatlan (Mex)	5743*	10838*	10786*	7453*	9291*	9036*	7099*	5870*
Nanaimo	7777*	11404	10798	9487*	11325*	11072*	9133*	7910*
New Westminster	7785*	11412	10806	9495*	11333*	11080*	9141*	7918*
Portland (Oreg)	7606*	11458	10852	9316*	11154*	10901*	8962*	7739*
Port Alberni	7732*	11313	10707	9442*	11280*	11027*	9088*	7864*
Port Isabel	6400*	11495*	11443*	8110*	9948*	9695*	7756*	7032*
Port Moody	7780*	11407	10801	9490*	11328*	11075*	9136*	7913*
Prince Rupert	8041*	11668	11062	9751*	11589*	11336*	9397*	8174*
Puerto Montt	5903	7930	7460	6285	5900	5751	6035	6922*
Puntarenas (CR)	4203*	9294*	9242M	5913*	7751*	7498*	5559*	3325*
Punta Arenas (Ch) M	4943	6530	6500	5325	5000	4750	5025	5700
Salina Cruz	4898*	9993*	9941*	6608*	8446*	8193*	6254*	4999
San Francisco	6982*	11684	11078	8692*	10530	10277*	8338*	7209*
San José (Guat)	4626*	9719*	9667*	5336*	8174*	7921*	5982	4658
Seattle	7758*	11394	10788	9468*	11306*	11053*	9114*	7891*
Tacoma	7789*	11416	10810	9499*	11337*	11084*	9145*	7922*
Talcahuano	6153M	8180M	8128M	6035M	6245M	6001M	6285M	6675*
Tocopilla	5805*	9135M	9083M	7515*	7209M	6956M	7161*	5938*
Valparaiso	6353*	8384M	8332M	6240M	6458M	6205M	6489M	6488*
Vancouver (BC)	7776*	11403	10797	9486*	11324*	11071*	9132*	7909*
Victoria (Vanc Is)	7709*	11336	10730	9419*	11257*	11004*	9065*	7842*

West Coast of North and South America

AREA D	AREA H							
	Lobito	Luanda	Madeira	Maputo	Mauritius	Mogadiscio	Mombasa	Monrovia
Antofagasta	7154M	7304M	5923*	7321M	8877M	9482M	8735	6312
Arica	7456M	7606M	5707*	7626M	9182M	9787M	9040	6193
Astoria	9631*	9583*	7624*	11364*	10345	11057	11043	7955
Balboa	5849*	5801*	3785*	7582*	8759*	9364*	8996*	4173
Buenaventura	6200*	6125*	4137*	7933*	9110*	9715*	9347*	4524
Cabo Blanco (Peru)	6599*	6551*	4535*	8332*	9509*	10114*	9746*	4923
Caldera	6950M	7100M	6115*	7106M	8545M	9150M	8520M	6503
Callao	7194*	7141*	5132*	7996M	9552M	10157M	9410M	5518
Cape Horn	4699	4861	5900	5245	6456	7055	6662M	4643
Chimbote	7014*	6959*	4952*	7816	9732M	10337M	8700M	5338
Coos Bay	9447*	9399*	7384*	11180*	10498	11205	10931	7771
Corinto	6547*	6482*	4683*	8280*	9457*	10062*	9694*	4871
Eureka	9306*	9258*	7243*	11039*	10543	11253	11225	7630
Guayaquil	6673*	6638*	4610*	8406*	9583*	10188*	9820*	5097
Guaymas	8231*	8170*	6167*	10864*	11141*	11746*	11721*	6555
Honolulu	10533*	10489*	8470*	10299	8949	9659	9868	8857
Liquique	7356M	7506M	5780*	7526M	9082M	9687M	8940M	6159
Los Angeles	8761*	8713*	6698*	10494*	10471	11061	11908*	7085
Manzanillo (Mex)	7566*	7518*	5505*	9299*	10476*	11081*	11021*	5890
Mazatlan (Mex)	7854*	7811*	5800*	9587*	10764*	11369*	11001*	6178
Nanaimo	9888*	9840*	7825*	11621*	10376	11086	11059	8212
New Westminster	9896*	9848*	7833*	11629	10384	11094	11067	8220
Portland (Oreg)	9717*	9669*	7654*	11450*	10430	11140	11129	8041
Port Alberni	9843*	9769*	7779*	11576*	10285	10995	10968	8167
Port Isabel	8511*	8400*	6447*	11144*	10421*	12026*	12001*	6835
Port Moody	9891*	9826*	7828*	11624*	10379	11089	11062	8215
Prince Rupert	10152*	10104*	8089*	11885*	10640	11350	11323	8476
Puerto Montt	6115M	6265M	6335M	6255M	7856M	8461M	7714	5503
Puntarenas (CR)	6314*	6272*	4250*	8050*	9220*	9825*	9461*	4638
Punta Arenas (Ch) M	5155	5303	5875	5295	6496	7097	6745	4543
Salina Cruz	7009*	6971*	4945*	8742*	9919*	10524*	10156*	5333
San Francisco	9093*	9046*	7030*	10826*	10656	11366	11340*	7417
San José (Guat)	6737*	6687*	4673*	8470*	9645*	2050*	9884*	4561
Seattle	9869*	9821*	7806*	11602*	10366	11706	11049*	8193
Tacoma	9900*	9852*	7837*	11633*	10388	11098	11071*	8224
Talcahuano	6424M	6574M	6585*	6550M	8106M	8711M	7964	5753
Tocopilla	7222M	7372M	5853*	7505M	9061M	9666M	8919M	6240
Valparaiso	6587M	6737M	6399*	6754M	8310M	8915M	8168	5957
Vancouver (BC)	9887*	9822*	7824*	11620*	10375	11085	11058	8211
Victoria (Vanc Is)	9820*	9746*	7757*	11553*	10308	11018	10991	8144

AREA D	AREA H							
	Montevideo	Mozambique I	Porto Alegre	Port Elizabeth	Port Harcourt	Recife	Réunion Island	Rio de Janeiro
Antofagasta	3303M	8426M	3688M	6651M	7445*	5253M	8752M	4238M
Arica	3608M	8731M	3993M	6956M	7241*	5181*	9057M	4543M
Astoria	8034M	11298	8965*	10694*	9102*	7043*	10456	8115*
Balboa	5239M	8299*	5183*	6912*	5320*	3261*	8634*	4333*
Buenaventura	4739M	8659*	5534*	7263*	5674*	3612*	8985*	4684*
Cabo Blanco (Peru)	3989M	9058*	5940*	7662*	6132*	4011*	9384*	5090*
Caldera M	3088M	8094M	3473M	6436M	7622*	5038M	8420M	4023
Callao	3978M	9001M	4363M	7326M	6660*	4606*	9427	4913M
Cape Horn	1350	6000	1695	4580	5221	3300	6331	2245
Chimbote	4158M	9281M	4543M	7506M	6478*	4426*	9607M	5093M
Coos Bay	8006M	11449	8781*	10510*	9918*	6859*	10609	7931*
Corinto	5586M	9006*	5881*	7600*	6001*	3959*	9332*	5031*
Eureka	7577M	11494	8640*	10369*	8777*	6718*	10654	7790*
Guayaquil	4614M	9132*	6007*	7736*	6157*	4085	9458*	5157*
Guaymas	6581M	10690*	7600*	9329*	7689*	5643*	11016*	6750*
Honolulu	7649M	9900	8062M	10728	10008*	7945*	9060	8612M
Liquique	3508M	6631M	3893M	6856M	7300*	5247*	8957M	4443M
Los Angeles	7178M	11322	8095*	9824*	8232*	6173*	10582	7245*
Manzanillo (Mex)	5881M	10025*	6900*	8629*	7037*	4978*	10351*	6050*
Mazatlan (Mex)	6180M	10313*	7188	8917*	7330*	5266*	10641*	6338*
Nanaimo	8283M	11327	9222*	10951*	9342*	7300*	10487	8372*
New Westminster	8291M	11335	9230*	10959*	9350*	7308*	10495	8380*
Portland (Oreg)	8120M	11381	9051*	10780*	9176*	7129*	10541	8201*
Port Alberni	8293M	11236	9177*	10906*	9288*	7255*	10396	8327*
Port Isabel	6881M	10970*	7880*	9609*	7919*	5923*	11296*	7030*
Port Moody	8387M	11330	9225*	10954*	9345*	7303*	10490	8375*
Prince Rupert	8547M	11591	9486*	11215*	9623*	7564*	10751	8636*
Puerto Montt M	2282	7405M	2682	5630	6222	4300	7731	3232
Puntarenas (CR)	5204M	8769*	5506*	7380*	5791*	3626*	9095*	4656*
Punta Arenas (Ch) M	1322	6045	1722	4670	5262	3340	6421	2272
Salina Cruz	5794M	9468*	6343*	8079*	6490*	4421*	9794*	5493*
San Francisco	7500M	11607	8427*	10156*	8566*	6505*	10767	7577*
San José (Guat)	5585M	9194*	6071*	7805*	6209*	4149*	9520*	5221*
Seattle	8374M	11317	9212*	10932*	9325*	7281*	10477	8362*
Tacoma	8396M	11339	9234*	10963*	9345*	7312*	10499	8384*
Talcahuano M	2532	7655M	2917	5880	6521	4482	7981	3467
Tocopilla	3487M	8510M	3872M	6835M	7380*	5328*	8936M	4422M
Valparaiso M	2736	7859M	3121	6084	6725	4686	8185	3671M
Vancouver (BC)	8282M	11326	9221*	10950*	9341*	7299*	10486	8371*
Victoria (Vanc Is)	8316M	11259	9154*	10883*	9265*	7232*	10419	8304*



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AREA D AREA H	AREA D							
	Salvador	Santos	Sao Vicente Island	Takoradi	Tema	Tramandai	Vitoria (Brazil)	Walvis Bay
Antofagasta	4912M	4057M	5439*	6985*	6886M	3538M	4508M	6177M
Arica	5226M	4362M	5220*	6766*	6863*	3843M	4813M	6482M
Astoria	7522*	8391*	7082*	8628*	8725*	8815*	7845*	9843*
Balboa	3725*	4609*	3295*	4846*	4943*	5033*	4063*	6061*
Buenaventura	4091*	4960*	3651*	5197*	5294*	5384*	4514*	6412*
Cabo Blanco (Peru)	4345*	5303*	4045*	5596*	5693*	5790*	4820*	6811*
Caldera M	4768	3810	5605	6833	6671M	3323	4293	5990
Callao	5085*	4732M	4642*	6191*	6288*	4213M	5183M	6852M
Cape Horn	2990	2132	4880	4889	5000	1545	2512	4363
Chimbote	5838M	4880M	4462M	6011*	6468*	4393M	5363M	7032M
Coos Bay	7338*	8207*	6898*	8444*	8541*	8631*	7661*	9659*
Corinto	4286*	5244*	3973*	5544*	5641*	5731*	4761*	6759*
Eureka	7197*	8066*	6757*	8303*	8400*	8490*	7520*	9518*
Guayaquil	4564*	5368M	4127*	5760*	5767*	5857*	4887*	6885*
Guaymas	6005*	6963*	5657*	7228*	7325*	7450*	6480*	8443*
Honolulu	8424*	8431M	7984*	9530*	9627*	7912M	8882M	10551M
Iquique	5126M	4262M	5285*	6832*	6929*	3743M	4713M	6382M
Los Angeles	6652*	7521*	6212*	7758*	7855*	7945*	6975*	8973*
Manzanillo (Mex)	5457*	6326*	5020*	6563*	6660*	6750*	5780*	7778*
Mazatlan (Mex)	5745*	6614*	5305*	6851*	6948*	7038*	6068*	8066*
Nanaimo	7779*	8648*	7339*	8885*	8982*	9072*	8102*	10100*
New Westminster	7787*	8656*	7347*	8893*	8990*	9080*	8110*	10108*
Portland (Oreg)	7608*	8477*	7168*	8714*	8811*	8901*	7931*	9929*
Port Alberni	7719*	8603*	7289*	8840*	8937*	9027*	8057*	10055*
Port Isabel	6285*	7243*	5937*	7508*	7605*	7730*	6760*	8723*
Port Moody	7782*	8651*	7342*	8888*	8985*	9075*	8105*	10103*
Prince Rupert	8043*	8912*	7603*	9149*	9246*	9336*	8366*	10364*
Puerto Montt M	3977	3019	5837	6000	5865M	2532	3502	7576
Puntarenas (CR)	3911*	4869*	3760*	5311*	5408*	5356*	4386*	6526*
Punta Arenas (Ch) M	3017	2159	4877	4900	4905M	1572	2520	4616
Salina Cruz	4748*	5706*	4435*	6006*	6104*	6193*	5223*	7221*
San Francisco	6984*	7853*	6550*	8090*	8187*	8277*	7307*	9305*
San José (Guat)	4476*	5434*	4163*	5734*	5831*	5921*	4951*	6949*
Seattle	7760*	8638*	7320*	8866*	8963*	9062*	8092*	10081*
Tacoma	7791*	8660*	7351*	8897*	8994*	9084*	8114*	10112*
Talcahuano M	4150	3286	6085	6249	6115M	2767	3737	5406
Tocopilla	5105M	4241M	5367*	6913*	7010*	3722M	4692M	6361M
Valparaiso	4354M	3490M	5913*	6453M	6319M	2971M	3941M	5610M
Vancouver (BC)	7778*	8647*	7338*	8884*	8981*	9071*	8101*	10099*
Victoria (Vanc Is)	7711*	8580M	7271*	8817*	8914*	9004*	8034*	10032*

Area E

Distances between principal ports in the Red Sea, The Gulf, the Indian Ocean and the Bay of Bengal

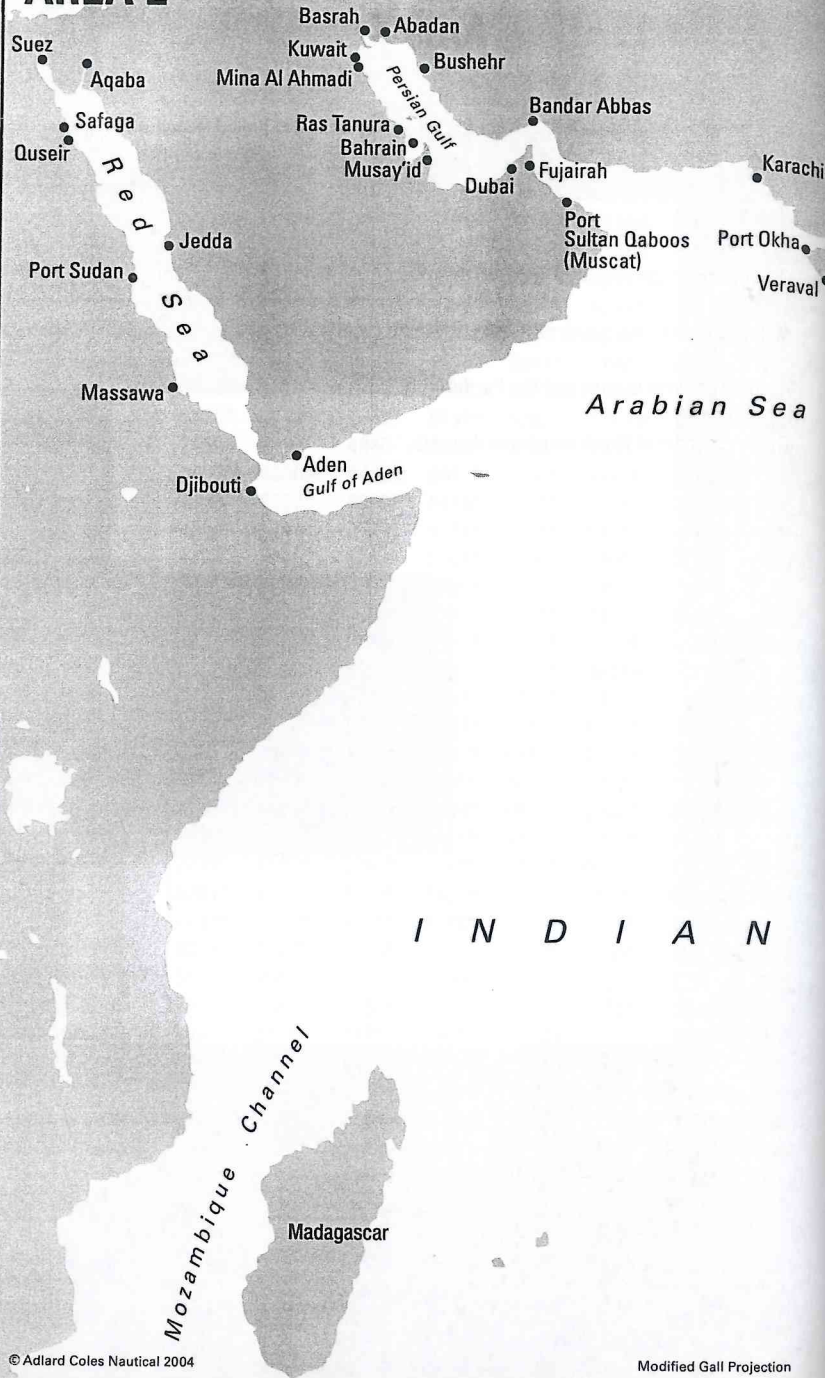
Area E Other ports in the Red Sea, The Gulf, the Indian Ocean, and the Bay of Bengal.

Area F Malaysia, Indonesia, South East Asia, the China Sea and Japan.

Area G Australasia, New Guinea and the Pacific Islands.

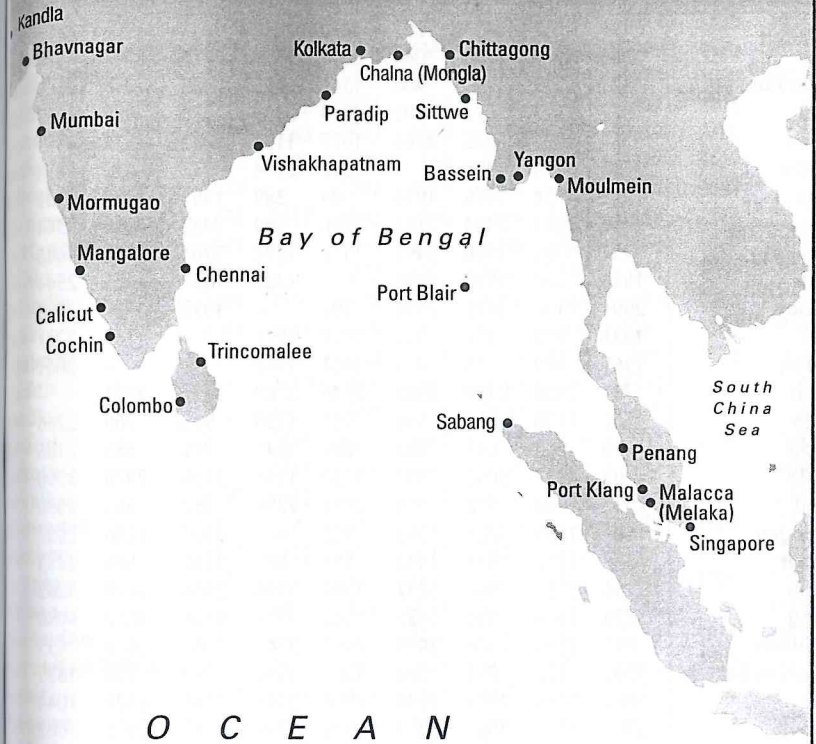
Area H The West Coast of North and South America.

AREA E



AREA E

Reeds Marine Distance Tables THE RED SEA, THE GULF & INDIAN OCEAN



AREA E	Aden	Bahrain	Bandar Abbas	Bushehr	Cochin	Colombo	Dubai	Fujairah	Jeddah
Aden	—	1732	1453	1792	1850	2094	1531	1365	701
Aqaba	1246	2974	2695	3044	3090	3334	2773	2607	574
Bandar Abbas	1453	341	—	400	1549	1835	135	118	2149
Basrah	1967	322	572	192	2064	2349	520	605	2663
Bassein	3251	3284	3005	3344	1477	1194	3083	2917	3363
Bushehr	1792	170	400	—	1888	2174	312	425	2488
Calicut	1815	1754	1475	1814	84	389	1553	1387	2509
Chennai	2650	2683	2404	2743	876	590	2482	2316	3344
Chittagong	3352	3385	3106	3445	1578	1292	3264	3018	4046
Cochin	1850	1828	1549	1888	—	307	1627	1461	2544
Colombo	2094	2114	1835	2174	307	—	1913	1747	2788
Dubai	1531	298	135	312	1627	1913	—	149	2227
Fujairah	1365	400	128	425	1461	1747	149	—	2061
Jeddah	701	2428	2149	2488	2544	2788	2227	2061	—
Kandla	1567	1136	857	1196	953	1255	935	769	2266
Karachi	1470	922	643	982	1039	1341	721	555	2166
Kolkata	3304	3337	3058	3397	1530	1244	3136	2970	3998
Kuwait	1917	263	518	154	2013	2299	462	583	2590
Mormugao	1687	1505	1226	1565	365	669	1304	1216	2383
Mumbai	1657	1352	1073	1412	585	889	1151	985	2353
Paradip	3154	3187	2908	3247	1380	1194	2986	2820	3263
Penang	3336	3369	3090	3429	1562	1276	3168	3002	4030
Port Sudan	658	2385	2106	2445	2501	2745	2184	2018	155
Port Sultan Qaboos	1203	532	253	592	1301	1596	283	153	1899
Quseir	1061	2788	2509	2848	2904	3148	2587	2421	1044
Rangoon	3309	3342	3063	3402	1535	1249	3141	2975	4003
Ras Tanura	1773	122	382	145	1869	2155	290	447	2469
Sabang	3016	3059	2767	3114	1260	970	2838	2680	3766
Safaga	1109	2836	2557	2896	2952	3196	2635	2469	437
Singapore	3627	3660	3380	3720	1853	1567	3458	3292	4321
Sittwe	3285	3318	3039	3378	1511	1225	3117	2951	3979
Suez	1307	3034	2755	3094	3150	3394	2833	2667	636
Vishakhapatnam	2914	2947	2668	3007	1140	866	2746	2580	3608

Other ports in the Red Sea, The Gulf, Indian Ocean and Bay of Bengal

AREA E	Kakinada	Kolkata	Massawa	Mina Al Ahmadi	Mongla	Mormugao	Mumbai	Penang	Port Okha
Aden	2869	3304	399	1897	3318	1687	1657	3336	1498
Aqaba	4109	4544	896	3139	4558	2929	2899	4576	2740
Bandar Abbas	2623	3058	1847	497	3072	1226	1073	3090	791
Basrah	3137	3572	2361	140	3586	1740	1587	3604	1305
Bassein	766	643	3643	3449	557	1839	2059	786	2356
Bushehr	2962	3397	2186	140	3411	1565	1412	3429	1130
Calicut	1177	—	2207	1919	1626	286	506	1644	805
Chennai	272	1612	3042	2848	806	1238	1458	1277	1755
Chittagong	645	775	3744	3550	248	1940	2160	1167	2457
Cochin	1095	367	2242	1993	1544	365	585	1562	884
Colombo	809	1530	2486	2279	1258	669	889	1276	1186
Dubai	2701	1244	1925	451	3150	1304	1151	3168	869
Fujairah	2535	3136	1759	541	2984	1138	985	3002	703
Jeddah	3563	2970	360	2593	4012	2383	2353	4030	2194
Kandla	2043	3998	1961	1301	2492	602	415	2510	79
Karachi	2129	2478	1864	1087	2578	688	501	2596	195
Kolkata	529	2564	3696	3502	288	1892	2112	1301	2409
Kuwait	3087	3522	2311	30	3536	1690	1537	3554	1255
Mormugao	1457	1892	2081	1670	1906	—	232	1924	533
Mumbai	1677	2112	2051	1517	2126	232	—	2144	346
Paradip	378	154	3546	3352	230	1742	1962	1225	2259
Penang	1267	1301	3728	3534	1228	1924	2144	—	2441
Port Sudan	3520	3955	297	2550	3969	2340	2310	3987	2151
Port Sultan Qaboos	2384	2819	1597	697	2833	990	853	2851	611
Quseir	3923	4358	739	2953	4372	2743	2713	4390	2554
Rangoon	867	779	3701	3507	704	1897	2117	766	2414
Ras Tanura	2943	3378	2167	222	3392	1546	1393	3410	1111
Sabang	1020	1080	3411	3206	1100	1611	1860	300	2111
Safaga	3971	4406	754	3001	4420	2791	2761	4438	2602
Singapore	1594	1650	4019	3825	1578	2215	2435	376	2732
Sittwe	636	402	3677	3483	288	1873	2093	1015	2390
Suez	4169	4604	973	3199	4618	2989	2959	4636	2800
Vishakhapatnam	73	442	3306	3112	480	1502	1722	1246	2019

Other ports in the Red Sea, The Gulf, Indian Ocean and Bay of Bengal

AREA E	AREA E							
	Port Sudan	Quseir	Rangoon	Safaga	Singapore	Sittwe	Suez	Vishakhapatnam
Aden	658	1061	3309	1109	3627	3285	1307	2914
Aqaba	639	212	4549	183	4867	4525	300	4154
Bandar Abbas	2106	2509	3063	2557	3381	3039	2755	2668
Basrah	2620	3023	3577	3071	3895	3553	3269	3182
Bassein	3902	4305	250	4353	1137	322	4551	711
Bushehr	2445	2848	3402	2896	3720	3378	3094	3007
Calicut	2466	2869	1617	2917	1935	1593	3115	1221
Chennai	3301	3704	998	3752	1586	844	3950	328
Chittagong	4003	4406	600	4454	1517	175	4652	578
Cochin	2501	2904	1535	2952	1853	1511	3150	1140
Colombo	2745	3148	1249	3196	1567	1225	3394	866
Dubai	2184	2587	3141	2635	3459	3117	2833	2746
Fujairah	2018	2421	2975	2469	3293	2951	2667	2580
Jeddah	155	390	4003	437	4321	3979	636	3608
Kandla	2220	2623	2483	2671	2801	2459	2869	2088
Karachi	2123	2526	2569	2574	2887	2545	2772	2174
Kolkata	3955	4358	779	4406	1650	402	4604	442
Kuwait	2570	2973	3527	3021	3845	3503	3219	3132
Mormugao	2340	2743	1897	2791	2215	1873	2989	1502
Mumbai	2310	2713	2117	2761	2435	2093	2959	1722
Paradip	3805	4208	700	4256	1600	335	4454	298
Penang	3987	4390	766	4438	376	1015	4636	1246
Port Sudan	-	460	3960	508	4278	3936	694	3565
Port Sultan Qaboos	1856	2259	2824	2307	3142	2800	2505	2429
Quseir	460	-	4363	42	4681	4339	255	3968
Rangoon	3960	4363	-	4411	1117	479	4609	818
Ras Tanura	2426	2829	3383	2877	3701	3359	3075	2988
Sabang	3674	4077	650	4125	590	863	4323	1020
Safaga	508	42	4411	-	4729	4387	223	4016
Singapore	4278	4681	1117	4729	-	1365	4927	1573
Sittwe	3936	4339	479	4387	1365	-	4585	599
Suez	694	255	4609	223	4927	4585	-	4214
Vishakhapatnam	3565	3968	818	4016	1573	599	4214	-

Other ports in the Red Sea, The Gulf, Indian Ocean and Bay of Bengal

AREA F	AREA F									
	Abadan	Aden	Aqaba	Bahrain	Bandar Abbas	Basrah	Bassein	Bhavnagar	Bushehr	
Calikpapan	4899	4675	5882	4688	4409	4929	2210	3694	4805	
Changkok	4696	4475	5698	4491	4212	4708	2000	3485	4555	
Changsuo (Hainan Is)	5165	4935	6167	4960	4681	5196	2460	3945	5025	
Chusan	6368	6138	7370	6163	5884	6419	3673	5148	6238	
Cham Pha	5287	5049	6289	5082	4803	5306	2620	4105	5145	
Chebu	5220	5000	6222	5015	4736	5271	2515	4000	5080	
Chilian	6484	6243	7476	6279	6000	6528	3800	5253	6335	
Chiphong	5187	5010	6189	4982	4705	5206	2520	4005	5045	
Chi Minh City	4511	4280	5513	4306	4027	4565	1805	3290	4360	
Chong Kong	5325	5080	6527	5120	4841	5350	2615	4100	5180	
Chungnam	6610	6390	7612	6405	6126	6645	3919	5290	6464	
Chon	6417	6205	7419	6212	5933	6470	3720	5225	6275	
Chompong Saom	4396	4158	5398	4191	3912	4426	1700	3185	4251	
Chohsiung (Taiwan)	5486	5260	6488	5281	5002	5501	2785	4270	5340	
Chelung (Taiwan)	5677	5436	6679	5472	5193	5721	2965	4446	5530	
Cobe	6556	6300	7658	6351	6072	6509	3820	5305	6415	
Cakassar	4897	4655	5881	4697	4408	4926	2150	3655	4745	
C Manado	5358	5128	6360	5153	4874	5389	2653	4138	5218	
C Manila	5206	4960	6208	5001	4722	5246	2495	3970	5060	
C Masinloc	5246	5000	6248	5041	4762	5286	2535	4010	5100	
C Moji	6405	6180	7407	6200	5921	6437	3715	5200	6260	
C Muroran	7104	6873	8106	6899	6620	7134	4398	5883	6953	
C Nagasaki	6282	6046	7284	6077	5798	6301	3580	5056	6135	
C Nagoya	6655	6405	7657	6450	6171	6870	4014	5495	6509	
C Nampo	6494	6253	7496	6289	6010	6538	3810	5263	6365	
C Osaka	6560	6302	7562	6355	6076	6587	3831	5312	6396	
C Otaru	7142	6911	8144	6937	6658	7192	4436	5921	7001	
C Palembang	4165	3917	5167	3960	3681	4198	1350	2827	4020	
C Qingdao	6328	6097	7330	6123	5844	6382	3626	5107	6201	
C Qinhuangdao	5590	6370	7592	6385	6106	6625	3899	5380	6444	
C Sabang	3274	3036	4276	3069	2790	3304	655	2045	3155	
C Shanghai	6057	5845	7059	5852	5573	6086	3370	4855	5905	
C Shimomoseki	6404	6170	7406	6199	5920	6434	3705	5190	6260	
C Singapore	3865	3635	4867	3660	3381	3896	1160	2645	3725	
C Surabaya	4508	4260	5510	4303	4024	4531	1880	3278	4365	
C Tanjung Priok	4138	3900	5127	3933	3654	4168	1625	2940	4260	
C Tokyo	6769	6538	7771	6564	6285	6799	4073	5553	6628	
C Toyama	6855	6630	7857	6650	6371	6887	4165	5650	6700	
C Vladivostok	6872	6635	7874	6667	6388	6820	4164	5650	6739	
C Yokohama	6757	6520	7759	6552	6273	6789	4055	5535	6612	

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

AREA F	Chennai	Chittagong	Cochin	Colombo	Djibouti	Dubai	Fujairah	Jeddah	Karachi
Balikpapan	2638	2585	2935	2625	4795	4487	4321	5355	3935
Bangkok	2430	2375	2725	2415	4595	4290	4124	5155	3724
Basuo (Hainan Is)	2885	2835	3175	2865	5055	4759	4593	5615	4185
Busan	4088	4038	4378	4068	6258	5962	5796	6818	5388
Cam Pha	3045	2995	3345	3035	5230	4881	4715	5790	4342
Cebu	2925	2890	3245	2935	5120	4814	4648	5680	4237
Dalian	4197	4175	4494	4184	6363	6078	5912	6923	5494
Haiphong	2945	2895	3245	2935	5130	4783	4617	5690	4242
Ho Chi Minh City	2230	2180	2530	2220	4400	4105	3939	4160	3531
Hong Kong	3039	2990	3336	3026	5300	4919	4753	5760	4336
Hungnam	4355	4294	4645	4335	6510	6204	6038	7070	5641
Inchon	4135	4095	4435	4125	6345	6011	5845	6905	5437
Kampong Saom	2130	2075	2425	2115	4295	3990	3824	4855	3424
Kaohsiung (Taiwan)	3210	3160	3500	3190	5380	5080	4914	5940	4510
Keelung (Taiwan)	3390	3340	3687	3377	5556	5271	5105	6116	4687
Kobe	4250	4195	4545	4235	6420	6150	5984	6980	5545
Makassar	2765	2525	2865	2555	4775	4486	4320	5335	3875
Manado	3078	3028	3368	3058	5248	4952	4786	5808	4378
Manila	2910	2870	3210	2900	5080	4800	4634	5640	4212
Masinloc	2950	2910	3250	2940	5120	4840	4674	5680	4252
Moji	4136	4090	4430	4120	6300	5999	5833	6860	5433
Muroran	4823	4773	5113	4803	6993	6698	6532	7553	6123
Nagasaki	4000	3955	4300	3990	6166	5876	5710	6726	5297
Nagoya	4439	4389	4736	4426	6605	6249	6083	7165	5736
Nampo	4207	4185	4504	4194	6373	6088	5922	6933	5504
Osaka	4256	4206	4553	4243	6422	6154	5988	6982	5553
Otaru	4861	4811	5151	4841	7031	6736	6570	7591	6161
Palembang	1767	1725	2057	1747	3937	3759	3593	4497	3067
Qingdao	4051	4001	4348	4038	6217	5922	5756	6777	5348
Qinhuangdao	4324	4274	4621	4311	6490	6184	6018	7050	5621
Sabang	990	1025	1275	965	3155	2868	2702	3715	2285
Shanghai	3800	3745	4095	3785	5965	5651	5485	6525	5092
Shimonoseki	4126	4080	4420	4110	6290	5998	5832	6850	5423
Singapore	1585	1535	1875	1565	3755	3459	3293	4315	2885
Surabaya	2380	2160	2496	2230	4420	4102	3936	4980	3875
Tanjung Priok	2008	2055	2120	1860	4020	3732	3566	4580	3170
Tokyo	4498	4448	4794	4484	6658	6363	6197	7218	5794
Toyama	4586	4540	4880	4570	6750	6449	6283	7310	5883
Vladivostok	4600	4539	4890	4580	6755	6466	6300	7315	5886
Yokohama	4480	4430	4776	4466	6640	6351	6185	7200	5776

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

AREA F	Kolkata	Kuwait	Malacca	Mangalore	Massawa	Mina Al Ahmadi	Mongla	Mormugao
Balikpapan	2691	4883	1180	3073	5075	4863	2656	3242
Bangkok	2475	4676	970	2866	4875	4656	2446	3059
Basuo (Hainan Is)	2935	5145	1430	3335	5335	5125	2906	3520
Busan	4138	6348	2633	4538	6538	6328	4109	4723
Cam Pha	3105	5267	1590	3455	5510	5247	3066	3677
Cebu	3005	5200	1485	3390	5400	5180	2961	3572
Dalian	4250	6464	2770	4654	6643	6444	4246	4829
Haiphong	3005	5167	1490	3357	5410	5147	2966	3577
Ho Chi Minh City	2290	4491	775	2671	4680	4471	2251	2866
Hong Kong	3100	5305	1585	3495	5480	5285	3061	3671
Hungnam	4285	6590	2889	4780	6790	6570	4365	4976
Inchon	4225	6397	2690	4587	6625	6377	4165	4775
Kampong Saom	2175	4376	670	2566	4575	4356	2146	2759
Kaohsiung (Taiwan)	3260	5466	1755	3656	5660	5446	3231	3845
Keelung (Taiwan)	3443	5657	1935	3847	5836	5637	3411	4022
Kobe	4305	6536	2790	4726	6700	6516	4266	4880
Makassar	2655	4872	1220	3062	5055	4852	2596	3210
Manado	3128	5338	1623	3525	5525	5315	3099	3705
Manila	2950	5186	1465	3376	5360	5166	2931	3547
Masinloc	2990	5226	1505	3416	5400	5206	2971	3587
Moji	4200	6385	2685	4575	6580	6365	4161	4768
Muroran	4873	7084	3368	5264	7273	7064	4844	5458
Nagasaki	4050	6262	2550	4452	6446	6242	4026	4632
Nagoya	4492	6635	2984	4825	6885	6615	4460	5071
Nampo	4260	6474	2780	4664	6653	6454	4256	4839
Osaka	4309	6540	2801	4730	6702	6520	4277	4888
Otaru	4911	7122	3406	5312	7311	7102	4882	5496
Palembang	1817	4145	320	2335	4217	4125	1796	2402
Qingdao	4104	6308	2596	4498	6497	6288	4072	4683
Qinhuangdao	4377	6570	2869	4860	6770	6550	4346	4956
Sabang	1130	3254	480	1444	3428	3234	1066	1624
Shanghai	3850	6037	2340	4227	6245	6017	3816	4427
Shimonoseki	4190	6384	2675	4574	6570	6364	4151	4758
Singapore	1635	3845	130	2035	4035	3825	1606	2220
Surabaya	2291	4488	890	2678	4700	4468	2221	2855
Tanjung Priok	2160	4118	650	2308	4300	4098	2126	2500
Tokyo	4548	6749	3043	4939	6938	6729	4519	5129
Toyama	4650	6835	2135	5025	7030	6815	4611	5218
Vladivostok	4645	6852	3134	5042	7035	6832	4610	5221
Yokohama	4530	6737	3025	4927	6920	6717	4501	5111

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

AREA F	AREA E							
	Moulmein	Mumbai	Musay'fd	Penang	Port Blair	Port Kelang	Port Okha	Port Sudan
Balikpapan	2185	3494	4668	1420	1984	1269	3770	5310
Bangkok	1975	3285	4461	1199	1760	1058	3563	5126
Basuo (Hainan Is)	2435	3745	4930	1668	2229	1515	4032	5584
Busan	3638	4948	6133	2871	3432	2718	5235	6787
Cam Pha	2595	3905	5052	1830	2351	1676	4154	5744
Cebu	2490	3800	4985	1730	2284	1571	4087	5639
Dalian	3775	5053	6249	2979	3548	2828	5351	6896
Haiphong	2495	3805	4952	1730	2251	1576	4054	5644
Ho Chi Minh City	1780	3090	4276	1005	1675	865	3378	4933
Hong Kong	2590	3900	5090	1815	2389	1670	4192	5738
Hungnam	3894	5090	6375	3025	3674	2975	5477	7043
Inchon	3695	5025	6182	2940	3481	2770	5284	6839
Kampong Saom	1675	2985	4161	899	1460	758	3263	4826
Kaohsiung (Taiwan)	2760	4070	5251	1993	2550	1840	4353	5909
Keelung (Taiwan)	2940	4246	5442	2172	2741	2020	4544	6089
Kobe	3705	5105	6321	3030	3620	2879	5423	6947
Makassar	2125	3455	4657	1370	2031	1305	3759	5274
Manado	2584	3938	5120	1866	2422	1705	4222	5768
Manila	2470	3770	4971	1700	2270	1546	4073	5614
Masinloc	2510	3810	5011	1740	2310	1586	4113	5654
Moji	3690	5000	6170	2920	3469	2767	5272	6835
Muroran	4373	5683	6869	5606	4168	3453	5971	7522
Nagasaki	3555	4856	6047	2785	3346	2631	5149	6698
Nagoya	3989	5295	6420	3221	3719	3070	5522	7138
Nampo	3785	5063	6259	2989	3558	2838	5361	6906
Osaka	3806	5112	6325	3038	3614	2887	5427	6955
Otaru	4411	5721	6907	4644	4206	3491	6009	7560
Palembang	1325	2627	3930	550	1229	397	3032	4466
Qingdao	3601	4907	6093	2833	3392	2682	5195	6750
Qinhuangdao	3874	5180	6355	3106	3654	2955	5457	7023
Sabang	660	1845	3039	210	381	410	2141	3684
Shanghai	3345	4655	5822	2580	3121	2426	4924	6494
Shimonoseki	3680	4990	6169	2910	2468	2757	5271	6825
Singapore	1135	2445	3630	368	929	215	2732	4284
Surabaya	1895	3080	4273	1130	1572	979	3375	4899
Tanjung Priok	1650	2740	3903	900	1419	741	3005	4550
Tokyo	4048	5353	6534	3283	3833	3128	5636	7196
Toyama	4140	5450	6620	3370	3919	3217	5722	7285
Vladivostok	4139	5450	6637	3370	3936	3220	5739	7288
Yokohama	4030	5335	6522	3265	3821	3110	5624	7178

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

AREA F	AREA E							
	Quseir	Rangoon	Singapore	Sittwe	Suez	Trincomalee	Veraval	Vishakhapatnam
Balikpapan	5725	2163	1050	2425	5967	2565	3642	2523
Bangkok	5525	1960	840	2215	5772	2286	3446	2412
Basuo (Hainan Is)	5985	2400	1300	3675	6241	2755	3915	2870
Busan	7188	3603	2503	3878	7444	3958	5118	4073
Cam Pha	6160	2600	1460	2785	6349	2877	4037	3030
Cebu	6050	2460	1355	2730	6296	2810	3970	2925
Dalian	7293	3722	2640	3975	7553	4074	5234	4182
Haiphong	6060	2500	1360	2685	6251	2777	3937	2930
Ho Chi Minh City	5330	1760	645	2020	5590	2101	3261	2219
Hong Kong	6130	2565	1455	2830	6395	2915	4075	3024
Hungnam	6440	3864	2759	4134	7700	4200	5360	4329
Inchon	7275	3700	2560	3935	7496	4007	5167	4125
Kampong Saom	5225	1660	540	1896	5458	1986	3146	2112
Kaohsiung (Taiwan)	6310	2725	1625	3000	6566	3076	4236	3195
Keelung (Taiwan)	6486	2915	1805	3180	6746	3267	4427	3375
Kobe	7350	3780	2660	4035	7604	4146	5306	4233
Makassar	5705	2200	1102	2465	5731	2554	3610	2660
Manado	6178	2490	1490	2868	6431	2945	4105	3060
Manila	6010	2435	1335	2710	6271	2796	3956	2900
Masinloc	6050	2475	1375	2750	6311	2836	3996	2940
Moji	7230	3665	2555	3930	7465	3995	5155	4121
Muroran	7923	4338	3238	4613	8179	4694	5854	4808
Nagasaki	7096	3525	2420	3795	7355	3872	5032	3985
Nagoya	7535	3964	2854	4155	7705	4245	5405	4424
Nampo	7303	3732	2650	4035	7563	4084	5244	4192
Osaka	7352	3781	2671	4046	7625	4150	5310	4241
Otaru	7961	4376	3276	4651	8217	4732	5892	4846
Palembang	4867	1282	190	1665	5223	1755	2915	1752
Qingdao	7147	3576	2466	3841	7407	3970	5078	4036
Qinhuangdao	7420	3849	2739	4114	7680	4180	5340	4309
Sabang	4085	665	600	900	4340	859	2024	995
Shanghai	6895	3320	2210	3585	7151	3647	4807	3780
Shimonoseki	7220	3655	2545	3920	7455	3994	5154	4110
Singapore	4685	1100	-	1375	4941	1455	2615	1570
Surabaya	5350	1880	760	2005	5580	2098	3258	2411
Tanjung Priok	4950	1630	520	1855	5207	1800	2902	2078
Tokyo	7588	4023	2913	4288	7853	4359	5519	4482
Toyama	7680	4115	3005	4380	7915	4445	5605	4571
Vladivostok	7685	4109	3004	4379	7945	4859	5622	4574
Yokohama	7570	4005	2895	4270	7835	4350	5507	4464

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

AREA G	AREA E							
	Abadan	Aden	Aqaba	Bahrain	Bandar Abbas	Basrah	Bassein	Bhavnagar
Adelaide	6647	6100	7353	6438	6163	6725	4518	5430
Albany	5643	5125	6359	5444	5169	5728	3522	4430
Apia	9064	8809	10049	8859	8580	9094	6426	7834
Auckland	8506	8000	8212	8287	8022	8589	6204	7288
Banaba	7976	7719	8956	7771	7492	8006	5337	6742
Bluff	7968	7440	8674	7759	7484	8079	5837	6740
Brisbane	7624	7375	8609	7419	7145	7627	4986	6398
Cairns	6794	6539	7779	6589	6310	6824	4156	5564
Cape Leeuwin	5484	4944	6189	5275	4990	5505	3353	4257
Darwin	5610	5355	6595	5405	5126	5640	3019	4380
Esperance	5864	5385	6570	5655	5380	5988	3733	4630
Fremantle	5411	4900	6154	5206	4927	5440	3242	4200
Geelong	6990	6460	7696	6781	6506	7057	4859	5756
Geraldton	5238	4780	6020	5030	4755	5290	3050	4008
Hobart	7110	6595	7816	6901	6626	7271	4979	5900
Honolulu	9742	9512	10744	9537	9258	9797	7014	8722
Launceston	7061	6570	7787	6852	6577	7062	4930	5870
Lyttleton	8276	7700	8982	8067	7792	8276	6145	7045
Mackay	7134	6879	8119	6929	6650	7164	4496	5904
Madang	6678	6427	7667	6460	6181	6695	3937	5435
Makatea	10274	10100	11356	10171	9892	10406	7745	9165
Melbourne	6984	6480	7690	6775	6500	7057	4853	5756
Napier	8548	7959	9254	8339	8064	8572	6417	7280
Nauru Island	7817	7559	8796	7611	7332	7846	5175	6582
Nelson	8274	7769	8984	8069	7794	8282	6147	7040
Newcastle (NSW)	7499	6995	8205	7290	7015	7507	5356	6295
New Plymouth	8268	7734	8974	8059	7784	8284	6137	7034
Noumea	7947	7686	8926	7741	7462	8000	5345	6671
Otago Harbour	8106	7500	8812	7897	7622	8239	5975	6950
Papeete	10324	10029	11306	10121	9842	10356	7695	9092
Portland (Victoria)	6788	6254	7494	6579	6304	6804	4657	5554
Port Hedland	5133	4800	6040	4928	4649	5163	2810	3902
Port Kembla	7389	6900	8105	7290	6915	7500	4768	6200
Port Lincoln	6584	6050	7290	6375	6100	6600	4453	5350
Port Moresby	6624	6369	7609	6419	6140	6654	3986	5394
Port Pirie	6307	6200	7413	6498	6223	6790	4576	5488
Rockhampton	7314	7059	8299	7109	6830	7344	4676	6084
Suva	8515	8276	9499	8309	8030	8550	5876	7281
Sydney	7444	6925	8150	7235	6960	7525	5313	6225
Wellington	8384	7809	9054	8139	7864	8422	6217	7130

Australasia, New Guinea and Pacific Islands

AREA G	AREA E								
	Bushehr	Chennai	Chittagong	Cochin	Colombo	Djibouti	Dubai	Fujairah	Jeddah
Adelaide	6498	4650	4945	4670	4360	6220	6241	6075	6780
Albany	5504	3645	3951	3685	3375	5245	5247	5081	5805
Apia	8919	6875	6806	7052	6766	8918	8658	8492	9503
Auckland	8357	6509	6584	6540	6230	8120	8100	7934	8680
Banaba	7831	5786	5717	5960	5674	7825	7570	7404	8410
Bluff	7819	6105	6266	6135	5825	7560	7562	7396	8120
Brisbane	7479	5450	5366	5635	5325	7495	7223	7057	8055
Cairns	6649	4605	4536	4782	4496	6648	6388	6222	7233
Cape Leeuwin	5330	3480	3782	3475	3200	5060	5068	4902	5645
Darwin	5465	3468	3399	3598	3312	5464	5204	5038	6049
Esperance	5715	3905	4162	3945	3635	5505	5458	5292	6065
Fremantle	5226	3390	3582	3440	3130	5020	5005	4839	5580
Geelong	6841	4977	5288	5010	4697	6580	6584	6418	7140
Geraldton	5093	3204	3387	3220	2980	4870	4833	4667	5480
Hobart	6961	5115	5408	5135	4825	6715	6704	6538	7275
Honolulu	9597	7466	7394	7763	7453	9632	9336	9170	10192
Launceston	6912	5091	5359	5121	4811	6690	6655	6489	7250
Lyttleton	8127	6396	6574	6426	6116	7820	7870	7704	8380
Mackay	6989	4945	4876	5122	4836	6988	6728	6562	7573
Madang	6520	4386	4317	4653	4367	6535	6259	6093	7121
Makatea	10231	8225	8125	8405	8095	10220	9970	9804	10780
Melbourne	6835	5000	5282	5008	4698	6600	6578	6412	7160
Napier	8399	6490	6836	6520	6210	8079	8142	7976	8639
Nauru Island	7671	5664	5555	5800	5514	7665	7410	7244	8250
Nelson	8129	6300	6576	6330	6020	7889	7872	7706	8449
Newcastle (NSW)	7350	5520	5736	5545	5235	7115	7093	6927	7675
New Plymouth	8119	6263	6566	6262	5985	7842	7862	7696	8427
Noumea	6801	5731	5644	5910	5600	7806	7540	7374	8366
Otago Harbour	7957	6165	6404	6195	5885	7620	7700	7534	8180
Papeete	10181	8152	8075	8331	8021	10149	9920	9754	10709
Portland (Victoria)	6639	4779	5086	4775	4501	6358	6382	6216	6943
Port Hedland	4989	3025	3154	3125	2833	4909	4727	4561	5494
Port Kembla	7250	5420	5692	5450	5140	7020	6993	6827	7580
Port Lincoln	6435	4579	4882	4575	4301	6158	6178	6012	6743
Port Moresby	6479	4435	4366	4612	4326	6478	6218	6052	7063
Port Pirie	6558	4509	5005	4540	4230	6120	6301	6135	6680
Rockhampton	7169	3218	5056	5302	5016	7168	6908	6742	7755
Suva	8369	6321	6256	6500	6190	8368	8108	7742	8956
Sydney	7295	5445	5742	5475	5165	7045	7038	6872	7605
Wellington	8199	6340	6636	6370	6060	7929	7942	7776	8489

Australasia, New Guinea and Pacific Islands

AREA G	AREA E								
	Karachi	Kolkata	Kuwait	Malacca	Mangalore	Massawa	Mina Al Ahmadi	Mongla	Mormugao
Adelaide	5680	4970	6627	3639	4813	6500	6607	4999	5006
Albany	4685	3960	5623	2650	3819	5525	5603	4005	4009
Apia	8086	6939	9044	5411	7134	9201	9024	6867	7414
Auckland	7540	6655	8486	5145	6672	8400	8466	6645	6870
Banaba	6994	5850	7936	4322	6142	8108	7936	5778	6322
Bluff	7140	6440	7948	5100	6134	7840	7928	6320	6466
Brisbane	6685	5520	7604	4005	5794	7775	7584	5427	5943
Cairns	5816	4660	6774	3141	4964	6931	6754	4597	6144
Cape Leeuwin	4510	3794	5460	2420	3657	5340	5440	3836	3840
Darwin	4632	3532	5590	2000	3780	5747	5570	3460	3960
Esperance	4945	4220	5844	2910	4030	5785	5824	4216	4269
Fremantle	4446	3695	5391	2369	3582	5300	5371	3636	3766
Geelong	6009	5293	6970	3980	5156	6860	6950	5342	5338
Geraldton	4286	3489	5218	2090	3408	5150	5198	3441	3616
Hobart	6145	5430	7090	4110	5276	6995	7070	5462	5469
Honolulu	8763	7519	9722	6011	7912	9912	9702	7455	8098
Launceston	6125	5407	7041	4094	5227	6970	7021	5413	5452
Lyttleton	7426	6712	8256	5399	6442	8100	8236	6628	6757
Mackay	6156	5009	7114	3481	5304	7271	7094	4937	5484
Madang	5687	4450	6645	2922	4835	6819	6625	4378	5015
Makatea	9410	8275	10356	6767	8542	10500	10336	8186	8710
Melbourne	6009	5295	6964	3980	5150	6880	6944	5336	5318
Napier	7530	6809	8528	5480	3714	8359	8508	6900	6854
Nauru Island	6834	5688	7796	4160	5982	7948	7776	5616	6162
Nelson	7340	6619	8254	5290	6444	8169	8234	6630	6664
Newcastle (NSW)	6545	5830	7479	4345	5665	7395	7459	5797	5878
New Plymouth	7286	6589	8248	5206	6434	8125	8228	6620	6621
Noumea	6920	5784	7926	4276	6112	8086	7906	5705	6216
Otago Harbour	7200	6500	8086	5160	6272	7900	8066	6458	6526
Papeete	9341	8205	10306	6697	8492	10429	10286	8136	8637
Portland (Victoria)	5809	5094	6768	3722	4954	6641	6748	5140	5137
Port Hedland	4157	3256	5113	1795	3104	5192	5093	3213	3485
Port Kembla	6450	5735	7379	4390	5565	7300	7359	5751	5781
Port Lincoln	5609	4894	6564	3522	4750	6441	6544	4936	4937
Port Moresby	5646	4499	6604	2971	4794	6761	6584	4427	4974
Port Pirie	5540	5055	6287	3145	4873	6400	6267	5059	4870
Rockhampton	6336	5189	7294	1991	5484	7455	7274	5117	5664
Suva	7492	6384	8494	4866	6684	8676	8474	6317	6866
Sydney	6475	5760	7424	4415	5610	7325	7404	5796	5806
Wellington	7380	6659	8328	5330	6514	8209	8308	6700	6704

Australasia, New Guinea and Pacific Islands

AREA G	AREA E							
	Moulmein	Mumbai	Musay'ud	Penang	Port Blair	Port Kelang	Port Okha	Port Sudan
Adelaide	4521	5230	6408	3997	4223	3734	5513	6776
Albany	3525	4230	5414	2888	3229	2737	4519	5779
Apia	6383	7634	8829	5665	6218	5499	7931	9460
Auckland	6161	7088	8267	5384	5996	5233	7372	8640
Banaba	5294	6542	7741	4576	5129	4410	6839	8367
Bluff	3840	6540	7729	5339	5544	5154	6834	8086
Brisbane	4943	6198	7389	4240	4778	4089	6491	8052
Cairns	4113	5364	6559	3395	3948	3229	5661	7190
Cape Leeuwin	3355	4057	5245	2676	3060	2510	4354	5600
Darwin	2976	4180	5375	2258	2811	2092	4477	6006
Esperance	3736	4430	5625	3148	3440	2997	4730	6039
Fremantle	3246	4000	5176	2596	2950	2445	4279	5574
Geelong	4862	5556	6751	4211	4566	4026	5856	7109
Geraldton	3051	3808	5003	2352	2755	2186	4105	5424
Hobart	4982	5700	6871	4342	4686	4157	5976	7251
Honolulu	6971	8322	9507	6248	6806	6097	8609	10165
Launceston	4933	5670	6822	4325	4637	4140	5927	7222
Lyttleton	6148	6845	8037	5630	5852	5445	7142	8353
Mackay	4453	5704	6899	3735	4288	3569	6000	7530
Madang	3894	5235	6430	3176	3729	3010	5532	7078
Makatea	7702	8965	10141	7005	7537	7853	9239	10710
Melbourne	4856	5556	6745	4211	4560	4026	5850	7123
Napier	6420	7080	8309	5701	6124	5550	7414	8617
Nauru Island	5132	6382	7581	4414	4967	4248	6679	8207
Nelson	6150	6840	8039	5511	5854	5360	7144	8427
Newcastle (NSW)	8348	6095	7260	4585	5148	4434	6365	7520
New Plymouth	6140	6834	8029	5460	5844	5294	7134	8384
Noumea	5220	6471	7711	4513	5056	4362	6809	8339
Otago Harbour	5978	6750	7867	5399	5682	5214	6972	8146
Papeete	7652	8892	10091	6934	7487	6783	9189	10640
Portland (Victoria)	4660	5354	6549	3976	4364	3810	5654	6900
Port Hedland	2765	3702	4898	2049	2525	1883	4000	5451
Port Kembla	5271	6000	6160	4627	4975	4476	6265	7510
Port Lincoln	4456	5150	6345	3776	4160	3510	5450	6700
Port Moresby	3943	5194	6389	3225	3778	3059	5491	7020
Port Pirie	4579	5288	6468	3384	4283	3233	5573	6640
Rockhampton	4633	5884	7079	3915	4468	3749	6181	7710
Suva	5833	7081	8279	5103	5668	4952	7381	8929
Sydney	5316	6025	7205	4652	5020	4501	6310	7535
Wellington	6220	6930	8109	5551	5924	5400	7214	8467

Australasia, New Guinea and Pacific Islands

Australasia, New Guinea and Pacific Islands

AREA G	Quseir	Rangoon	Singapore	Sittwe	Suez	Trincomalee	Veraval	Vishakhapatnam
Adelaide	7150	4525	3509	4823	7433	4393	5406	4750
Albany	6175	3526	2520	3829	6436	3399	4409	3750
Apia	9863	6406	5294	6654	10109	6728	7814	6860
Auckland	9050	6125	5015	6432	9297	6252	7270	6610
Banaba	8770	5317	4200	5560	9016	6634	6646	5770
Bluff	8490	5980	4970	6144	8743	5714	6866	6210
Brisbane	8425	4985	3875	5214	8709	5288	6343	5440
Cairns	7593	4136	3024	4384	7839	4458	6544	4590
Cape Leeuwin	6000	3360	2340	3655	6250	3230	3755	3610
Darwin	6409	3000	1900	3247	6655	3274	4360	3460
Esperance	6435	3886	2780	4030	6696	5610	4669	4010
Fremantle	5950	3245	2239	3452	6231	3141	4166	3500
Geelong	7510	4855	3850	5156	7766	4736	5738	5080
Geraldton	5830	3095	2009	3257	6081	2961	4016	3320
Hobart	7645	4960	3980	5276	7908	4856	5869	5210
Honolulu	10562	6991	5881	7242	10822	7332	8498	7450
Launceston	7620	4969	3964	5226	8053	4807	5852	5190
Lyttleton	8750	6274	5269	6447	9010	6022	7157	6500
Mackay	7933	4476	3364	4724	8179	4798	5884	4930
Madang	7481	3917	2800	4165	7727	4255	5415	4370
Makatea	11150	7747	6637	7973	10806	8034	9110	8720
Melbourne	7530	4825	3850	5153	7780	4730	5718	5080
Napier	9010	6375	5350	6714	9274	6294	7254	6590
Nauru Island	8610	5155	4035	5400	8856	5474	6562	5610
Nelson	8819	6185	5160	6444	9084	6024	7064	6400
Newcastle (NSW)	8045	5380	4215	5586	8304	5245	6278	5620
New Plymouth	8787	6146	5125	6454	9033	6014	7021	6390
Noumea	8735	5256	4146	5537	8996	6604	6616	5710
Otago Harbour	8550	6040	5030	6274	8803	5852	6926	6270
Papeete	11079	7677	6567	7923	11364	7984	9037	8655
Portland (Victoria)	7303	4662	3641	4954	7549	4534	5537	4910
Port Hedland	5854	2790	1678	3029	6100	2807	3885	3100
Port Kembla	7950	5300	4260	5567	8208	5145	6181	5520
Port Lincoln	7103	4462	3441	4750	7349	4330	5337	4710
Port Moresby	7423	3966	2854	4214	7669	4288	5374	4420
Port Pirie	7050	4125	3815	4873	7297	4453	5270	4614
Rockhampton	8125	4656	3544	4904	8359	4978	6064	5110
Suva	9326	5846	4736	6104	9632	6178	7266	6300
Sydney	7945	5325	4285	5612	8233	5190	6206	5550
Wellington	8859	6225	5200	6516	9124	6094	7104	6448

AREA H	Abadan	Aden	Aqaba	Bahrain	Bandar Abbas	Basrah	Bassein
Atafagasta	9801*	9831*	8823*	10223M	10944M	11458M	11373
Batavia	9582*	9612*	8604*	11363*	11084*	11598*	11643
Bombay	10657	10687	10466*	10737	10458	10972	8186
Bombay *	9622	7692	6672	9406	9127	9678	10977
Buenaventura *	8013	8043	7035	9794	9515	10029	11331
Bombay Blanco (Peru)*	10372	8442	7422	10156	9877	10428	11789
Bombay	9877M	9907M	8974*	9936M	10759M	11270M	11240
Bombay	9007*	9037*	8029*	10788*	10509*	11023*	11806
Bombay	9344	8114	9354	9139	8860	9374	9583
Bombay	8801	8831	7823	10582	10303	10817	11843
Bombay	10545	10575	10282	10625	10346	10860	8074
Bombay	10305	8375	7355	10089	8910	10361	11660
Bombay	10839	10869	10141*	10919	10640	11154	8368
Bombay	10486	8516	9508	10265	9986	10500	11856
Bombay	10017*	10047*	9039*	11798*	11519*	12033*	10211
Bombay	9482	9512	10757	9562	9283	9797	7011
Bombay	9648*	9678*	8670*	11428M	11049M	11663M	11387
Bombay	10574*	10604*	9596*	11548	11269	11783	8997
Bombay	9379*	9409*	8401*	11048*	10879*	11393*	10039
Bombay	9667*	9697*	8689*	11448*	11169*	11683*	9861
Bombay	10673	10703	10723*	10753	10474	10988	8202
Bombay	10689	10719	10739*	10769	10490	11004	8218
Bombay	10743	10773	10552*	10823	10544	11058	8272
Bombay	10580	10610	10630*	10660	10381	10895	8109
Bombay	10247*	10277*	9269*	12028*	11749*	12263*	10441
Bombay	10676	10706	10726*	10756	10477	10991	8205
Bombay	9548	9420	10550	9335	9064	9599	6820
Bombay	10346	9116	10356	10140	9862	10376	10585
Bombay	10093	8163	7143	9877	9598	10159	11448
Bombay	9386	8156	9396	9180	8902	9416	9625
Bombay	10792*	8862*	7842*	10576*	10297*	10848*	11304
Bombay	10906*	10936*	9928*	11034	10755	11269	8483
Bombay	10508	8678	7558	10292	10013	10564	11863
Bombay	10663	10693	10404*	10743	10464	10978	8192
Bombay	10685	10715	10735*	10765	10486	11000	8214
Bombay	9293M	9323M	9488*	10452M	10173M	10687M	10623
Bombay	9729	9759	8751*	11407M	11128M	11642M	11403
Bombay	9497M	9527	9299*	9556M	10377M	10891	11082
Bombay	10672	10702	10722*	10751	10473	10987	8201
Bombay	10605	10635	10655*	10685	10406	10920	8134

West Coast of North and South America

AREA E	AREA H						
	Bhavnagar	Bushehr	Chennai	Chittagong	Cochin	Colombo	Djibouti
Antofagasta	11060M	11283M	11108M	11711M	10627M	10627M	9814*
Arica	11365M	11423*	11413M	11961M	10932M	10932M	9595*
Astoria	9697	10979	8641	8561	8915	8628	10792
Balboa *	9302	9462	10349*	11132	9488	9788*	7572*
Buenaventura *	9793	9854	10700*	11484	9892	10139*	8026*
Cabo Blanco (Peru)*	10052	10212	11099*	11882	10238	10538*	8322*
Caldera	11604*	11096M	11921M	11695	10440M	10440M	9874*
Callao	10787*	10848*	11694*	12284	10887*	11133*	9020*
Cape Horn	8955	9199	8990	9692	8517	8517	8223
Chimbote	10581*	10642*	11488	12280	10681*	10927*	8814*
Coos Bay	9585	10685	8529	8449	8803	8516	10680
Corinto *	9985	10145	11032*	11815	10171	10471*	8255*
Eureka	9879	10979	8823	8743	9097	8810	10974
Guayaquil	10266*	10325*	11173*	11956*	10366*	10612*	8494*
Guaymas	11700	11858*	10644	10564	10918	10631	10030*
Honolulu	8522	9622	7466	7386	7740	7453	9617
Iquique	11265M	11488M	11798	11851M	10832M	10832M	9661*
Los Angeles	10508	11608	9452	9372	9826	9439	10587*
Manzanillo (Mex)	11559*	11281*	10494	10426	11259*	10481	9392*
Mazatlan (Mex)	11372	11508*	10316	10236	10590	10303	9680*
Nanaimo	9713	10183	8657	8577	8931	8644	10808
New Westminster	9729	10829	8673	8593	8947	8660	10824
Portland (Oreg)	9783	10883	8727	8647	9001	8714	10878
Port Alberni	9620	10720	8564	8484	8838	8551	10715
Port Isabel	11930	12088*	10874	10794	11148	10861	10260*
Port Moody	9716	10816	8660	8580	8934	8647	10812
Prince Rupert	8324	9420	7266	7200	7536	7264	9452
Puerto Montt	10003M	10275M	10177	10694M	6090M	9520	9311
Puntarenas (CR) *	9773	9933	10820*	11603	9959	10259*	8043*
Punta Arenas (Ch)	9043M	9315M	9217	9734M	8560M	8560	8351
Salina Cruz	10472*	10632*	11423*	11634	10658*	10950*	8742*
San Francisco	9994	11094	8938	8858	9212	8925	10919*
San José (Guat)*	10188	10348	11235*	12018	10374	10674*	8458*
Seattle	9703	10803	8647	8567	8921	8634	10798
Tacoma	9725	10825	8669	8589	8943	8656	10820
Talcahuano	10289M	10512M	10337M	11003M	9856M	9856M	9620M
Tocopilla	11244M	11467M	11292M	11838	10811M	10811M	9742*
Valparaiso	10493M	10716M	11541M	11166M	10060M	10060M	9783M
Vancouver (BC)	9712	10812	8656	8576	8930	8643	10808
Victoria (Vanc Is)	9645	10745	8589	8509	8863	8576	10740

West Coast of North and South America

AREA E	AREA H						
	Dubai	Fujairah	Jeddah	Karachi	Kolkata	Kuwait	Malacca
Antofagasta	11022M	10856M	9160*	10902M	11762M	11408M	10646
Arica	11162*	10996*	9841*	11083*	12067M	11548*	10853
Astoria	10536	10370	10798*	9938*	8694	10922	7178
Balboa	9205	9037	7012*	9163*	10997	9592*	10626
Buenaventura	9593	9427	7372*	9514*	11348	9979*	10497
Cabo Blanco (Peru)	9955	9789	7762*	9913*	11747	10342*	10734
Caldera	10837M	10671M	9314*	10715M	11575M	11220M	10300
Callao	10587*	10421*	8362*	10508*	12296	10973*	10798
Cape Horn	8938	8772	8808	8826	9644	9324	9643
Chimbote *	10381	10215	8156*	10302*	12363	10767	10766
Coos Bay	10424	10258	10654*	9826	8582	10810	7066
Corinto *	8988	8822	7695*	9846	11680	10275*	11009
Eureka	10718	10552	10513*	10120	8876	11104	7360
Guayaquil *	10064	9898	7845*	9987*	11821*	10450*	10848
Guaymas	11597*	11431*	9376*	11718*	10697	11983*	9181
Honolulu	9901	9195	10202	8763	7519	9747	6003
Iquique	11127M	10961M	9007*	11149*	11967M	11613M	10379
Los Angeles	11347	11181	9933*	10749	9505	11733	7989
Manzanillo (Mex)	10957*	10791*	8738*	10880*	10457	11343*	9031
Mazatlan (Mex)	11247*	11081*	9026*	11168*	10369	11633*	8853
Nanaimo	10552	10386	11393	9954	8710	10938	7194
New Westminster	10568	10402	11409	9970	8728	10954	7210
Portland (Oreg)	10622	10456	10881*	10024	8780	11008	7264
Port Alberni	10459	10293	11300	9861	8617	10845	7101
Port Isabel	11827*	11661*	9606*	11948*	10927	12213*	9411
Port Moody	10555	10389	11396	9957	8713	10941	7197
Prince Rupert	9142	8976	10993	8565	7332	9516	5800
Puerto Montt M	9940	9774	9810	9890	10827M	10363	10686
Puntarenas (CR)	9676	9510	7483*	9634*	11468	10063*	11030
Punta Arenas (Ch) M	8980	8814	8850	8930	9867M	9403	9726
Salina Cruz	10375*	10209*	8182*	10333*	11816	10762*	10289
San Francisco	10833	10667	10265*	10235	8991	11219	7475
San José (Guat)*	10091	9925	7898*	10049*	11883	10478*	9745
Seattle	10542	10376	11383	9944	8700	10928	7184
Tacoma	10564	10398	11405	9966	8722	10950	7206
Talcahuano	10251M	10085M	10119M	10131M	10991M	10637M	9615
Tocopilla	11206M	11040M	9088*	11086M	11850	11592M	10534
Valparaiso	10455M	10289M	10282M	10335M	11195M	10841M	10067
Vancouver (BC)	10551	10385	11392	9953	8709	10937	7193
Victoria (Vanc Is)	10484	10318	11325	9886	8642	10870	7126

West Coast of North and South America

AREA H	AREA E						
	Mangalore	Massawa	Mina Al Ahmadi	Mongla	Mormugao	Moulmein	Mumbai
Antofagasta	10620M	9497*	11388M	11677M	10695M	11376	10860M
Arica	10925M	9278*	11528*	11927M	11000M	11646M	11165M
Astoria	9097	11140*	10902	8622	9273	8143	9497
Balboa *	9452	7292	9572	11102	9402	11062	9349
Buenaventura	9791*	7709*	9959*	11454	9753*	11393*	9700
Cabo Blanco (Peru)	10202*	8042*	10322*	11852	10152*	11699	10099
Caldera	11754*	9594*	11201M	11756	10508M	11613M	10673M
Callao	10802*	8703*	10953*	12338	10747*	11763	10694*
Cape Horn	8571	8488	9304	9658	8646	9681	8754
Chimbote	10596*	8497*	10747*	12250	10541*	11792	10488*
Coos Bay	8985	10956*	10790	8510	9161	8031	9385
Corinto	10135*	7975*	10255*	11785	10085*	11725*	10032
Eureka	9279	10815*	11084	8804	9455	8325	9679
Guayaquil	10264*	8182*	10430*	11926*	10226*	11813	10173*
Guaymas	11100	9713	11963*	10425	11266	10146	11500
Honolulu	7922	9888	9727	7447	8098	6968	8322
Iquique	11438*	9344*	11593M	11817M	11388*	11344	11065M
Los Angeles	10008	10270*	11713	9433	10084	8954	10308
Manzanillo (Mex)	11157*	9075*	11323*	10487	11119*	9996	11066*
Mazatlan (Mex)	10772	9363	11613*	10297	10948	9818	11172
Nanaimo	9113	10188	10918	8638	9289	8159	9513
New Westminster	9129	10204	10934	8654	9305	8175	9529
Portland (Oreg)	9183	11143	10988	8708	9359	8229	9583
Port Alberni	9020	10095	10825	8545	9196	9766	9420
Port Isabel	11330	9943*	12193*	10655	11496	10376	11730
Port Moody	9116	10191	10921	8641	9292	8162	9516
Prince Rupert	7720	9755	9496	7261	7900	6769	8124
Puerto Montt M	9574	9490	10343	10660M	9649	10853	9803M
Puntarenas (CR)	9923*	7763*	10043*	11573	9873*	11533*	9820
Punta Arenas (Ch) M	8614	8629	9383	9700M	8689	9893	8843M
Salina Cruz	10622*	8462*	10742*	11745	10572*	11254	10519*
San Francisco	9394	10602*	11199	8919	9570	8440	9794
San José (Guat)	10338	8178*	10458*	11988	10288*	11948*	10235
Seattle	9103	10178	10908	8628	9279	8149	9503
Tacoma	9125	10200	10930	8650	9301	8171	9525
Talcahuano	9849M	10162*	10617M	10969M	9924M	10580	10089M
Tocopilla	10804M	9425*	11572M	11892	10879M	11406	11044M
Valparaiso	10053M	9973*	10821M	11132M	10128M	11233M	10293M
Vancouver (BC)	9112	10187	10917	8637	9288	8158	9512
Victoria (Vanc Is)	9045	10120	10850	8570	9221	8091	9445

AREA H	AREA E						
	Musay'ud	Penang	Port Blair	Port Kelang	Port Okha	Port Sudan	Quseir
Antofagasta	11193M	10891	11194	10740	10902M	9220*	8778*
Arica	11333	11098	11464	10947	11207M	9001*	8559*
Astoria	10707	7423	8078	7272	9794	10863*	10421*
Balboa *	9372	10871	10638	10720	9189	7081	6612*
Buenaventura	9764*	10742	11005	10591	9540*	7432*	6990*
Cabo Blanco (Peru)	10122*	10988	11388	10822	9922*	7831*	7392*
Caldera	11006M	10554	11207M	10388	11474*	9383*	8944*
Callao	10758*	11043	11598	10892	10534*	8426*	7984*
Cape Horn	9109	9232	9275	9313	8594	8765	9168
Chimbote	10552*	11020	11796	10854	10328*	8220*	7778*
Coos Bay	10595	7311	7866	7160	9682	10679*	10237*
Corinto	10055*	10233	11321	10067	9855*	7764*	7325*
Eureka	10879	7605	8160	7454	9976	10538*	10096*
Guayaquil	10235*	11093	11462	10942	10013*	7905	9463*
Guaymas	11768*	9426	10003	9275	11797	9436*	8994*
Honolulu	9532	6248	6803	6097	8619	10165	10562
Iquique	11398M	10625	11179	10473	11107M	9067*	8625*
Los Angeles	11518	8234	8789	8083	10605	9993*	9551*
Manzanillo (Mex)	11128*	9276	9831	9125	10906*	8798*	8356*
Mazatlan (Mex)	11418*	9098	9653	8947	11469	9086*	8644*
Nanaimo	10723	7439	7994	7288	9810	10465	10678*
New Westminster	10739	7455	8010	7304	9826	10481	10694*
Portland (Oreg)	10793	7509	8064	7358	9880	10949*	10507*
Port Alberni	10630	7346	7901	7195	9717	10372	10585*
Port Isabel	11998*	9656	10233	9505	12027	9666*	9224*
Port Moody	10726	7442	7997	7291	9813	10468	10681*
Prince Rupert	9313	6050	6612	5893	8421	9961	10364
Puerto Montt M	10111M	10151	10277	10232M	9845	9767	10170
Puntarenas (CR)	9843*	10256	11109	10090	9643*	7552*	7113*
Punta Arenas (Ch) M	9151M	9191	9317	9272	8835	8807	9210
Salina Cruz	10542*	10543	11103	10377	10342*	8251*	7812*
San Francisco	11004	7720	8275	7569	10091	10325*	9883*
San José (Guat)	10258*	9999	11524	9833	10058*	7967*	7528*
Seattle	10713	7429	7984	7278	9800	11455	10659*
Tacoma	10735	7451	8006	7300	9822	10477	10690*
Talcahuano	10422M	9860	10415	9709	10131M	9885*	9443*
Tocopilla	11377M	10768	11224	10583	11086M	9148*	8706*
Valparaiso	10626M	10301	10827M	10116	10335M	9696*	9254*
Vancouver (BC)	10722	7438	7993	7287	9809	11464	10677*
Victoria (Vanc Is)	10655	7371	7926	7220	9742	11397	10610*

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AREA E AREA H	Rangoon	Singapore	Sittwe	Suez	Trincomalee	Veraval	Vishakhapatnam
	Antofagasta	11382	10524	11672	8523*	10830M	10860M
Arica	11652	10731	11942	8304*	11135M	11165M	11724M
Astoria	8166	7059	8416	10166*	8740	9673	8626
Balboa	10997	10504	11032	6384*	9972*	9162	10664
Buenaventura	11348	10375	11382	6735*	10417*	9600*	11016*
Cabo Blanco (Peru)	11722	10612	11782	7134*	10722*	9912*	11414*
Caldera	11575M	10178	11809	8686*	10643M	10673M	11751
Callao	11786	19676	12036	7729*	11411*	10594*	12009*
Cape Horn	9643	9523	9625	8409†	8720	8754	9254
Chimbote	11754	10644	12078	7523*	11205*	10388*	11803*
Coos Bay	8054	6944	8304	9982*	8404	9561	8514
Corinto	11680*	9857	11715	7067*	10655*	9845*	11347
Eureka	8348	7238	8598	9841*	8698	9855	8808
Guayaquil	11836	10726	11886	9208*	10890*	10073*	11488*
Guaymas	10169	9059	10441	8739*	10519	11676	10629
Honolulu	6991	5880	7241	10822	7341	8498	7451
Iquique	11367	10257	11617	8370*	11035M	11065M	11903
Los Angeles	8977	7867	9227	9296*	9327	10484	9437
Manzanillo (Mex)	10019	8909	10269	8101*	10369	10966	10479
Mazatlan (Mex)	9841	8731	10091	8389*	10191	11348	10301
Nanaimo	8182	7072	10432	10423*	8532	9689	8642
New Westminster	8198	7088	8448	10439*	8548	9705	8658
Portland (Oreg)	8252	7142	8502	10252*	8602	9759	8712
Port Alberni	8089	6981	8339	10330*	8439	9596	8549
Port Isabel	10399	9289	10671	8969*	10749	11906	10859
Port Moody	8185	7075	8435	10426*	8535	9692	8645
Prince Rupert	6792	6683	7048	10613	7138	8300	7256
Puerto Montt	10815M	10442M	10627	9333†	9723M	9803M	10256M
Puntarenas (CR)	11468*	9880	11503	6855*	10443*	9633*	11135*
Punta Arenas (Ch)	9855M	9482M	9667	8373†	8763M	8843M	9296M
Salina Cruz	11277	10167	11539	7454*	11622	10332*	11740
San Francisco	8463	7350	8713	9628*	8813	9970	8923
San José (Guat)	11883*	9633	11918	7270*	10858*	10048*	11550*
Seattle	8172	7062	8422	10404*	8522	9679	8632
Tacoma	8194	7084	8444	10435*	8544	9701	8654
Talcahuano	10603	9493	10853	9188*	10059M	10089M	10648M
Tocopilla	11412	10412	11702	8451*	11014M	11044M	11639
Valparaiso	11195M	9945	11299	8999*	10263M	10293M	11172
Vancouver (BC)	8181	7071	8431	10422*	8531	9688	8641
Victoria (Vanc Is)	8114	7004	8364	10355*	8464	9621	8574

West Coast of North and South America

Area F

Distances between principal ports in Malaysia, Indonesia, South East Asia, the China Sea and Japan

Area F Other ports in 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 F	Bangkok	Dalian	Guangzhou (Huangpu)	Haiphong	Hong Kong	Inchon	Kawasaki	Keelung
Bangkok	-	2679	1560	1374	1489	2620	2983	1825
Bintan Island	810	2598	1491	1301	1439	2531	2875	1792
Busan	2569	543	1211	1749	1140	396	673	716
Cebu	1704	1750	1033	1263	963	1655	1770	932
Chongjin	2989	971	1643	2172	1562	818	1006	1144
Cilacap	1648	3308	2217	2026	2146	3298	3432	2489
Dalian	2679	-	1323	1709	1256	280	1153	851
Davao	1907	2090	1446	1612	1375	1995	1991	1249
Guangzhou (Huangpu)	1560	1323	-	708	71	1261	1659	542
Haiphong	1374	1709	708	-	485	1800	2198	920
Hakodate	3240	1217	1883	2419	1812	1069	532	1378
Ho Chi Minh City	628	2119	998	803	878	2052	2422	1312
Hondagua	1935	1562	915	1332	844	1468	1607	746
Hong Kong	1489	1256	71	485	-	1190	1588	471
Iloilo	1600	1769	965	1170	894	1678	1788	956
Inchon	2620	280	1261	1800	1190	-	1008	783
Kaohsiung	1685	1029	412	940	342	965	1341	224
Keelung	1825	851	542	920	471	783	1134	-
Kure	2698	725	1354	1894	1283	580	519	840
Labuan	1128	2146	1218	1309	1147	2082	2348	1260
Manila	1465	1556	703	952	632	1492	1762	728
Miri	1050	2188	1260	1351	1189	2124	2394	1359
Moji	2599	617	1238	1781	1170	467	540	740
Nagasaki	2495	577	1137	1678	1066	430	687	630
Niigata	3050	1041	1693	2072	1622	894	763	1210
Ningbo	2139	585	786	1183	715	565	1060	323
Osaka	2784	859	1447	1986	1376	714	361	921
Qingdao	2527	356	1171	1709	1100	328	1106	697
Qinhuangdao	2785	142	1429	1972	1362	392	1259	957
Shanghai	2251	551	895	1433	824	502	1040	421
Singapore	831	2619	1445	1322	1460	2552	2896	1812
Surabaya	1486	2980	2010	1820	1939	2914	3050	2150
Tanjung Priok	1280	2956	1860	1668	1789	2888	3226	2119
Tianjin	2827	198	1475	1864	1405	444	1310	1003
Tokyo	2991	1161	1667	2066	1596	1016	8	1141
Vladivostok	3066	1048	1710	2249	1639	895	941	1221
Wakamatsu	2597	615	1239	1779	1168	465	551	738
Xiamen	1703	997	324	732	272	936	1293	217
Yokohama	2979	1149	1655	2194	1584	1004	5	1134

Other ports in Malaysia, Indonesia, South East Asia, China Sea and Japan

AREA F	Kobe	Labuan	Manila	Moji	Nagoya	Niigata	Ningbo	Osaka	Qinhuangdao
Bangkok	2780	1128	1465	2599	2885	3050	2139	2784	2785
Bintan Island	2671	700	1306	2520	2770	2965	2086	2675	2704
Busan	362	1997	1410	122	556	516	507	369	649
Cebu	1604	727	400	1526	1684	1984	1255	1608	1856
Chongjin	707	2419	1832	467	900	495	974	714	1077
Cilacap	3271	1293	1893	3195	3350	3649	2775	3274	3473
Dalian	852	2146	1556	617	1047	1041	585	859	142
Davao	1801	884	829	1791	1912	2283	1562	1805	2196
Guangzhou (Huangpu)	1443	1218	703	1238	1554	1693	786	1447	1429
Haiphong	1982	1309	952	1781	2090	2072	1183	1986	1972
Hakodate	813	2654	2064	682	674	247	1204	817	1323
Ho Chi Minh City	2213	698	907	2035	2322	2489	1576	2217	2225
Hondagua	1446	931	593	1346	1528	1802	999	1450	1668
Hong Kong	1372	1147	632	1170	1483	1622	715	1376	1362
Iloilo	1632	648	345	1554	1709	2010	1275	1636	1875
Inchon	707	2082	1492	467	901	894	565	714	392
Kaohsiung	1121	1132	543	933	1234	1385	498	1125	1135
Keelung	920	1260	728	740	980	1175	323	921	957
Kure	184	2081	1491	117	412	604	674	191	831
Labuan	2135	-	701	2015	2210	2425	1620	2145	2252
Manila	1563	701	-	1426	1663	1880	1058	1567	1662
Miri	2195	115	743	2055	2294	2511	1692	2199	2294
Moji	244	2015	1426	-	433	493	558	251	723
Nagasaki	398	1893	1305	156	577	610	477	402	683
Niigata	730	2425	1880	493	920	-	1004	738	1147
Ningbo	800	1620	1058	558	948	1004	-	805	734
Osaka	11	2145	1567	251	249	738	805	-	965
Qingdao	805	1996	1404	565	999	999	462	817	373
Qinhuangdao	958	2252	1662	723	1153	1147	734	965	-
Shanghai	783	1720	1128	543	933	989	134	790	657
Singapore	2691	735	1341	2540	2790	2985	2081	2695	2725
Surabaya	2890	1079	1498	2811	2968	3265	2483	2894	3086
Tanjung Priok	3014	925	1562	2865	3138	3321	2412	3024	3062
Tianjin	1009	2290	1700	768	1214	1191	722	1016	116
Tokyo	360	2355	1770	548	221	765	1058	369	1267
Vladivostok	806	2496	1909	566	999	453	1006	812	1154
Wakamatsu	255	2013	1424	9	444	491	556	263	721
Xiamen	1084	1180	663	893	1197	1364	463	1083	1100
Yokohama	353	2348	1758	536	214	758	1051	357	1255

Other ports in Malaysia, Indonesia, South East Asia, China Sea and Japan

AREA F

AREA F	Shanghai	Shimonoseki	Tanjung Priok	Tianjin	Tokuyama	Tokyo	Xiamen	Yokohama
Bangkok	2251	2598	1280	2827	2647	2991	1703	2979
Bintan Island	2172	2519	487	2744	2563	2884	1635	2872
Busan	492	121	2839	688	170	681	869	659
Cebu	1322	1527	1565	1895	1515	1778	960	1766
Chongjin	914	466	3261	1116	515	1014	1285	1002
Cilacap	2937	3194	413	3512	3181	3440	2280	3428
Dalian	551	616	2956	198	639	1161	997	1149
Davao	1676	1792	1510	2235	1765	1999	1270	1987
Guangzhou (Huangpu)	895	1240	1860	1475	1289	1667	324	1655
Haiphong	1288	1780	1668	1864	1829	2066	732	2194
Hakodate	1164	681	3509	1362	730	540	1556	528
Ho Chi Minh City	1697	2034	1032	2264	2099	2430	1150	2418
Hondagua	1137	1345	1770	1707	1318	1615	715	1603
Hong Kong	824	1169	1789	1405	1218	1596	272	1584
Iloilo	1345	1553	1490	1914	1539	1796	938	1784
Inchon	502	466	2888	444	515	1016	936	1004
Kaohsiung	600	932	1907	1174	1011	1349	170	1337
Keelung	421	720	2180	1003	815	1141	217	1134
Kure	656	116	2949	870	76	527	993	515
Labuan	1720	2015	925	2278	1995	2355	1180	2348
Manila	1128	1425	1562	1700	1458	1770	663	1758
Miri	1762	2056	835	2333	2090	2402	1240	2390
Moji	543	1	2865	768	49	548	893	536
Nagasaki	462	155	2746	722	204	695	783	683
Niigata	989	493	3326	1180	550	765	1364	758
Ningbo	134	566	2412	722	606	1058	444	1287
Osaka	790	252	3024	1016	218	369	1083	357
Qingdao	399	564	2799	412	613	1114	833	1102
Qinhuangdao	657	722	3062	116	871	1267	1103	1255
Shanghai	-	542	2523	708	591	1048	574	1036
Singapore	2192	2539	527	2764	2583	2904	1630	2892
Surabaya	2553	2810	384	3125	2796	3058	2055	3046
Tanjung Priok	2523	2849	-	3113	2924	3228	1985	3221
Tianjin	708	767	3104	-	794	1318	1148	1300
Tokyo	1048	544	3228	1318	517	-	1312	15
Vladivostok	991	565	3338	1193	614	949	1374	937
Wakamatsu	541	10	2863	760	59	559	891	547
Xiamen	574	889	1985	1148	959	1312	-	1305
Yokohama	1036	537	3221	1300	510	15	1305	-

Other ports in Malaysia, Indonesia, South East Asia, China Sea and Japan

AREA G

AREA G	Balikpapan	Bangkok	Basuo (Hainan Is)	Busan	Cam Pha	Cebu	Dalian	Haiphong
Adelaide	3817	4272	4530	5529	4780	4014	6099	4730
Alexandria	2820	3275	3533	4527	3783	3018	5102	3733
Auckland	4473	5715	5159	4481	5409	4118	4943	5359
Calcutta	4244	5819	5291	5058	5541	4413	5469	5491
Chongqing	3242	4469	3876	3140	4126	2860	3696	4076
Canton	4625	5700	5880	5452	6130	4995	5985	6080
Chengde	3100	4675	4099	4172	4349	3469	4486	4299
Chongqing	2265	3723	3286	3673	3536	2318	3936	3486
Chongqing	2047	3121	3300	4358	3550	2831	4531	3500
Chongqing	1169	2612	2405	2934	2655	1550	3175	2605
Chongqing	3080	3525	3793	4738	4043	3878	5362	3993
Chongqing	2528	2983	3241	4226	3491	3326	4425	3441
Chongqing	4078	4604	4862	5143	5112	4346	5556	5062
Chongqing	2343	2798	3056	4023	3306	3141	4200	3256
Chongqing	4022	4735	4943	5190	5193	4391	5534	5143
Chongqing	5230	6319	5127	3970	5357	4610	4470	5327
Chongqing	3971	4718	4899	5070	5149	4340	5420	5099
Chongqing	4558	6023	5608	5427	5858	4947	5914	5808
Chongqing	2609	4067	3630	4017	3880	2662	4280	3830
Chongqing	2000	3268	2785	2800	3035	1718	3045	2985
Chongqing	5816	7062	6400	5672	6735	5470	6155	6685
Chongqing	4078	4604	4862	5138	5112	4345	5507	5062
Chongqing	4596	6171	5646	5347	5896	4957	5862	5846
Chongqing	4391	5915	3750	3014	4000	2700	3573	3950
Chongqing	4333	5791	5390	5241	5640	4353	5630	5590
Chongqing	3445	4925	4461	4515	4711	3520	4894	4661
Chongqing	4281	5856	5331	5140	5381	4642	5547	5531
Chongqing	3373	4948	4409	4096	4659	3380	4531	4609
Chongqing	4723	5792	5980	5589	6230	5097	6089	6180
Chongqing	5794	6860	6427	5622	6652	5594	6068	6602
Chongqing	4238	4444	4702	5220	4952	4186	6416	4902
Chongqing	1185	2403	2535	3465	2785	1969	3669	2735
Chongqing	2537	5097	4587	4609	4837	3899	5001	4787
Chongqing	3147	4221	4399	5603	4649	3931	5631	4599
Chongqing	2093	3551	3114	3501	3364	2146	3764	3314
Chongqing	3270	4344	4522	5704	4772	4054	5754	4722
Chongqing	2780	4238	2972	4153	3222	2833	4451	3172
Chongqing	3963	5538	4689	4298	4939	3893	4681	4889
Chongqing	3512	5072	4562	4573	4812	3874	4976	4762
Chongqing	4459	5986	5461	5290	5711	4402	5677	5661

Australasia, New Guinea and Pacific Islands

AREA G	AREA F							
	Ho Chi Minh City	Hong Kong	Hungnam	Inchon	Kampong Saom	Kaohsiung (Taiwan)	Keelung (Taiwan)	Kobe
Adelaide	4060	4788	6092	5625	3970	4679	5164	5325
Albany	3063	3785	5095	4631	2975	3685	4167	4920
Apia	5237	4865	4422	4790	5415	4571	4549	4228
Auckland	5122	5060	5271	5305	5515	4802	4780	4880
Banaba	4031	3554	3177	3574	4169	3261	3226	2907
Bluff	5430	5600	5705	5690	5400	5168	5435	5500
Brisbane	3977	4080	4346	4410	4372	3888	4342	3880
Cairns	3294	3237	3921	3824	3423	3021	3139	3652
Cape Leeuwin	2863	3575	4610	4462	2821	3516	3698	4435
Darwin	2327	2341	3183	3068	2312	2249	2368	2935
Esperance	3323	4045	5355	4842	3225	3896	4427	5180
Fremantle	2771	3500	4803	4330	2683	3384	3582	4625
Geelong	4392	5119	5446	5381	4304	4852	5496	4950
Geraldton	2586	3315	4618	4127	2498	3181	3397	4440
Hobart	4523	5015	5495	5428	4435	4899	4850	5022
Honolulu	5542	4857	3480	4312	6020	4539	4350	3669
Launceston	4506	5224	5390	5308	4415	4779	5463	4889
Lyttleton	6007	5334	5655	5674	5723	5152	5546	5584
Mackay	3638	3581	4265	4168	3767	3365	3483	4031
Madang	2830	2636	2982	2803	2968	2281	2336	2641
Makatea	6574	6182	5463	5975	6762	5850	5798	5396
Melbourne	4392	4875	5395	5376	4304	4847	5246	5275
Napier	6008	5335	5740	5594	5871	5091	5550	5585
Nauru Island	3873	3431	3082	3451	5615	3138	3103	2787
Nelson	5423	5217	5437	5488	5491	4966	5021	5045
Newcastle (NSW)	4496	4439	4822	4752	4720	4223	4270	4320
New Plymouth	5393	5020	5325	5389	5556	4867	5236	5370
Noumea	4782	4105	4345	4343	4645	3857	3911	3870
Otago Harbour	5530	5700	5805	5828	5492	5306	5535	5600
Papeete	6422	6132	5418	5955	6560	5830	5778	4912
Portland (Victoria)	4232	4959	5606	5458	4144	5556	4990	5110
Port Hedland	2118	2712	3713	3600	2103	2654	2836	3475
Port Kembla	4839	4505	4884	4847	4797	4318	4382	4405
Port Lincoln	3963	4674	5808	5562	3921	4616	4798	5408
Port Moresby	3122	3065	3749	3652	3251	2849	2967	3479
Port Pirie	4086	4797	5900	5685	4044	4739	4921	5509
Rockhampton	3859	3750	4336	4339	3938	3536	3654	4150
Suva	4679	4545	4381	4582	5238	4225	4179	4112
Sydney	4814	4480	4859	4811	4772	4282	4307	4380
Wellington	5823	5250	5555	5537	5685	5015	5075	5090

Australasia, New Guinea and Pacific Islands

AREA G	AREA F							
	Makassar	Manado	Manila	Masinloc	Moji	Muroran	Nagasaki	Nagoya
Adelaide	3052	3731	4210	4250	5401	5737	5490	5247
Albany	2058	2732	3565	3605	4748	5492	4765	5177
Apia	4244	3957	4436	4476	4371	4475	4400	4165
Auckland	4023	3958	4650	4690	4944	5200	4935	4879
Banaba	3154	2725	3100	3140	3018	3072	3067	2862
Bluff	4185	4130	2115	2155	5550	5665	5560	5445
Brisbane	2805	2750	3550	3590	3939	4330	3925	3990
Cairns	1975	1920	2671	2711	3637	4143	3538	3703
Cape Leeuwin	1889	2568	3057	3097	4359	4992	4234	4514
Darwin	871	990	1800	1840	2913	3425	2800	2985
Esperance	2269	2948	3825	3865	5008	5758	5750	5507
Fremantle	1757	2436	2920	2960	4456	5206	4480	4885
Geelong	3395	3751	4542	4582	5010	5316	5000	4856
Geraldton	1554	2233	2735	2775	4271	5021	4295	4700
Hobart	3515	3798	4464	4504	5091	5327	5069	5028
Honolulu	5193	4664	4767	4807	3856	3392	3986	3527
Launceston	3466	3678	4388	4428	4983	5260	4969	4820
Lyttleton	4304	4249	4340	4380	5444	5572	5291	5235
Mackay	2319	2264	3015	3055	3981	4487	3992	4047
Madang	1824	1433	2121	2161	2663	2855	2593	2479
Makatea	5532	5296	5773	5813	5554	5440	5625	5313
Melbourne	3390	3746	4505	4545	5000	5320	4850	4856
Napier	4308	4217	4685	4725	5445	5625	5160	5146
Nauru Island	2995	2532	3053	3093	2892	2949	2944	2739
Nelson	4101	4046	4706	4746	5119	5380	5105	5025
Newcastle (NSW)	3177	3122	3873	3730	4388	4668	4371	4311
New Plymouth	4043	3988	4370	4410	5130	5310	4845	4831
Noumea	3135	3013	3616	3656	3979	4240	3970	3882
Otago Harbour	4327	4262	5215	5225	5656	5765	5659	5545
Papeete	5512	5246	5728	5768	5533	5440	5572	5297
Portland (Victoria)	3193	3829	4382	4422	5170	5476	5160	5016
Port Hedland	1027	1524	2195	2235	3445	4004	3328	3526
Port Kembla	3272	3217	3975	4015	4623	4755	4464	4275
Port Lincoln	2992	3671	4157	4197	5481	5761	5460	5400
Port Moresby	1803	1760	2499	2539	3465	3832	3378	3471
Port Pirie	3115	3794	4280	4320	5582	5862	5561	5501
Rockhampton	2490	2435	2950	2990	4152	4775	4150	4200
Suva	3696	3465	4048	4088	4137	4367	4260	3875
Sydney	3236	3181	3950	3990	4598	4730	4439	4250
Wellington	4169	4114	4750	4790	5260	5440	4975	4961

Australasia, New Guinea and Pacific Islands

AREA G	Nampo	Osaka	Otaru	Palembang	Qingdao	Qinhuangdao	Sabang	Shanghai
Adelaide	6059	5349	5809	3338	5839	6031	4118	5515
Albany	5062	4924	5532	2344	4842	5034	3120	4518
Apia	4903	4232	4597	5160	4877	5049	5881	4708
Auckland	5429	4849	5322	4939	5378	5574	5615	5148
Banaba	3656	2911	3194	4098	3617	3802	4795	3434
Bluff	5945	5510	5787	4659	6010	5945	5530	5810
Brisbane	4446	3878	4452	3721	4376	4588	4475	4250
Cairns	3896	3657	4265	2891	3796	4042	3613	3522
Cape Leeuwin	4491	4438	5114	2175	4389	4637	2942	4100
Darwin	4135	2940	3547	1773	3027	3281	2480	2755
Esperance	5322	5607	5792	2555	5102	5294	3380	4778
Fremantle	4385	4632	5240	2054	4550	4542	2825	4225
Geelong	6216	4958	5438	3681	5458	5622	4450	5247
Geraldton	4200	4447	5055	1851	4365	4307	2640	4040
Hobart	6194	5032	5449	3801	5509	5783	4600	5286
Honolulu	4430	3684	3534	5997	4410	4600	6481	4436
Launceston	6180	4824	5382	3752	5978	5633	4564	5654
Lyttleton	5874	5592	5694	4967	5711	5902	5869	5561
Mackay	4240	4000	4609	3235	4140	4386	3957	3866
Madang	3005	2645	2977	2837	2957	3151	3413	2724
Makatea	6115	5400	5562	6478	6092	6261	7200	5955
Melbourne	6067	5280	5442	3676	5406	5662	4455	5175
Napier	5822	5593	5747	5224	5841	5842	5970	5565
Nauru Island	3533	2791	3071	3939	3494	3679	4636	3311
Nelson	5590	5049	5502	4969	5542	5736	5736	5309
Newcastle (NSW)	5026	4323	4790	4093	4811	5000	4815	4590
New Plymouth	5507	5278	5432	4959	5526	5638	5655	5250
Noumea	4491	3915	4362	4051	4416	4621	4746	4185
Otago Harbour	6049	5610	5887	4797	6108	6042	5630	5910
Papeete	6028	4922	5562	6428	6046	6251	7167	5907
Portland (Victoria)	6376	5118	5598	3479	5618	5822	4290	5387
Port Hedland	3629	3479	4126	1564	3527	3775	2279	3239
Port Kembla	4961	4833	5877	4090	4896	5170	4900	4661
Port Lincoln	5591	5412	5883	3275	5489	6108	4041	5201
Port Moresby	3724	3483	3954	2719	3624	3737	3441	3350
Port Pirie	5714	5513	5984	3398	5612	6231	4165	5324
Rockhampton	4411	4210	4897	3406	4361	4557	4176	4085
Suva	4641	4122	3489	4612	4662	4877	5336	4467
Sydney	4936	4308	4852	4135	4871	5145	4875	4636
Wellington	5637	5408	5562	5039	5656	5782	5785	5380

Australasia, New Guinea and Pacific Islands

AREA G	Shimonoseki	Singapore	Surabaya	Tanjung Priok	Tokyo	Toyama	Vladivostok	Yokohama
Adelaide	5408	3518	2968	3055	5293	5851	6337	5275
Albany	4527	2520	1971	2060	5208	5198	5340	5190
Apia	4372	5281	4550	4926	4093	4821	4667	4075
Auckland	4929	5015	4294	4670	4818	5394	5516	4800
Banaba	3019	4194	3420	3879	2784	3468	3422	2772
Bluff	5331	4930	4675	4480	5283	6000	5950	5265
Brisbane	4051	3875	3150	3525	3948	4389	4591	3930
Cairns	3638	3012	2280	2657	3755	4087	4166	3743
Cape Leeuwin	4358	2341	1802	1884	4603	4809	4955	4592
Darwin	2914	1888	1149	1530	3033	3363	3426	3025
Esperance	4738	2780	2231	2320	5468	5458	5600	5450
Fremantle	4226	2225	1627	1770	4918	4906	5048	4900
Geelong	5022	3850	3300	3389	4934	5460	5691	4916
Geraldton	4023	2040	1442	1585	4733	4721	4863	4715
Hobart	5069	4000	3431	3520	4945	5531	5740	4927
Honolulu	3848	5880	5598	5934	3415	3566	3725	3397
Launceston	4949	3964	3414	3503	4878	5433	5635	4860
Lyttleton	5306	5269	4608	4808	5190	5894	5900	5172
Mackay	3982	3356	2624	3000	4100	4431	4510	4087
Madang	2714	2813	2450	2600	2467	3113	3227	2455
Makatea	5555	6599	5872	6244	5204	6004	5708	5192
Melbourne	5017	3855	3300	3390	4938	5450	5640	4920
Napier	5218	5370	4851	4940	5243	5895	5985	5225
Nauru Island	2893	4035	3260	3720	2662	3342	3327	2649
Nelson	5120	5135	4406	4678	4992	5569	5682	4980
Newcastle (NSW)	4393	4215	3495	3869	4286	4838	4955	4268
New Plymouth	5021	5055	4536	4625	4928	5580	5670	4910
Noumea	3975	4146	3423	3797	3858	4429	4590	3840
Otago Harbour	5469	5030	4773	4580	5383	6106	6050	5365
Papeete	5505	6567	5844	6218	5158	5983	5663	5140
Portland (Victoria)	5100	3690	3140	3229	5094	5620	5851	5076
Port Hedland	3446	1678	940	1274	3616	3895	3958	3604
Port Kembla	4488	4300	3587	3961	4373	5073	5129	4355
Port Lincoln	5482	3441	2902	2984	5373	5931	6053	5361
Port Moresby	3466	2840	2108	2485	3444	3915	3994	3432
Port Pirie	5583	3564	3025	3107	5474	6032	6145	5462
Rockhampton	4153	3527	2795	3075	4393	4602	4681	4375
Suva	4179	4736	4013	4387	3985	4587	4626	3967
Sydney	4452	4275	3562	3936	4348	5048	5104	4330
Wellington	5169	5185	4666	4755	5058	5710	5800	5040

Australasia, New Guinea and Pacific Islands

West Coast of North and South America

AREA H	AREA F							
	Balikpapan	Bangkok	Basuo (Hainan Is)	Busan	Cam Pha	Cebu	Dalian	Haiphong
Antofagasta	9751	11131	10776	9598	10061	9778	10232	11001
Arica	9958	11401	10724	9363	10809	8969	10119	10849
Astoria	6609	7045	6061	4580	6146	5918	5157	6185
Balboa	9218	10721	9543	9140	9628	9212	8641	9668
Buenaventura	9985	10853	9561	8219	9646	9322	8747	9686
Cabo Blanco (Peru)	9984	10784	9888	8320	9972	9291	8853	10012
Caldera	9768	10701	10749	9643	10834	9259	10270	10874
Callao	9903	11155	10343	8826	10428	8530	9631	10468
Cape Horn	9024	10303	10030	9665	10115	8893	10096	10155
Chimbote	9893	10919	10065	8523	10150	8860	9192	10190
Coos Bay	6695	7531	6365	4895	6450	5953	5370	6490
Corinto	9237	9945	9057	7445	9142	8577	7978	9182
Eureka	6740	7829	6439	4732	6524	6006	5276	6564
Guayaquil	9906	10995	9855	8400	9940	9463	9226	9980
Guaymas	8131	8822	7921	6318	8008	7450	6851	8046
Honolulu	5230	6319	5202	3970	5287	4609	4470	5327
Iquique	9771	10546	10765	9458	10850	8973	10216	10890
Los Angeles	7408	7948	6715	5230	6800	6423	6022	6840
Manzanillo (Mex)	8220	9249	7778	6582	7863	7417	6989	7903
Mazatlan (Mex)	8075	9048	7603	6178	7688	7285	6837	7728
Nanaimo	6715	7911	6107	4624	6192	5915	5207	6232
New Westminster	6723	7919	6115	4632	6200	5923	5215	6240
Portland (Oreg)	6719	7823	6144	4663	6229	6001	5240	6269
Port Alberni	6624	7820	6016	4533	6101	5824	5116	6141
Port Isabel	8361	9052	8151	6548	8238	7680	7081	8276
Port Moody	6718	7914	6110	4627	6195	5918	5210	6235
Prince Rupert	6264	7460	5656	4173	5741	5464	4756	5781
Puerto Montt	9324	10509	10336	9726	10421	9203	10139	10411
Puntarenas (CR)	9127	10630	9452	9049	9537	9121	8550	9577
Punta Arenas (Ch)	8983	10262	9939	9624	10024	8862	10055	10064
Salina Cruz	8728	9597	8417	7013	8502	7997	7483	8542
San Francisco	6972	8061	6471	4922	6456	6146	5456	6496
San José (Guat)	9031	9998	8575	7221	8640	8235	7862	8725
Seattle	6705	7901	6097	4607	6182	5905	5197	6222
Tacoma	6727	7923	6119	4627	6204	5927	5219	6244
Talcahuano	9276	10680	10148	9962	10433	9100	10295	1047354
Tocopilla	9781	11374	10680	9510	10765	9013	10240	10805
Valparaiso	9766	10857	10733	9828	10818	9545	10324	10858
Vancouver (BC)	6714	7910	6106	4623	6191	5914	5206	6231
Victoria (Vanc Is)	6647	7843	6039	4547	6124	5847	5139	6164

AREA H	AREA F							
	Ho Chi Minh City	Hong Kong	Hungnam	Inchon	Kampong Saom	Kaohsiung (Taiwan)	Keelung (Taiwan)	Kobe
Antofagasta	10629	10532	9534	10002	10831	10295	10131	9374
Arica	10049	10425	9382	9767	11101	10138	9978	9241
Astoria	6806	5739	4439	4984	6745	5473	5335	4507
Balboa	10017	9194	7841	9034	10421	8949	8723	7960
Buenaventura	10416	9317	8053	8625	10553	9085	8444	8086
Cabo Blanco (Peru)	10217	9403	8067	8724	10484	9156	8946	8168
Caldera	11124	10391	9564	10026	10401	10093	10014	9422
Callao	10781	10018	8986	9230	10855	9674	9508	8830
Cape Horn	10045	9745	9877	9961	10003	9494	9537	9450
Chimbote	10449	9660	8476	8927	10619	9363	9177	8449
Coos Bay	6638	5811	4452	5203	7231	5510	5371	4607
Corinto	9380	8573	7772	7849	9645	8310	8107	7331
Eureka	6719	5984	4601	5380	7529	5612	5435	4567
Guayaquil	10321	9505	8144	8804	10695	9267	8932	8182
Guaymas	8490	7437	6407	6722	8522	7005	7245	6438
Honolulu	5542	4857	3826	4300	6019	4539	4350	3669
Iquique	10943	10563	9423	9862	10246	10238	10078	9311
Los Angeles	7291	6380	5091	5634	7648	6111	5930	5185
Manzanillo (Mex)	8307	7465	6239	6742	8949	7218	7070	6238
Mazatlan (Mex)	8140	7290	6057	6582	8748	7043	6895	6088
Nanaimo	6479	5778	4352	5028	7611	5517	5348	4531
New Westminster	6673	5786	4487	5036	7619	5525	5356	4550
Portland (Oreg)	6889	5853	4522	5067	7523	5556	5418	4590
Port Alberni	6574	5688	4388	4937	7520	5426	5257	4451
Port Isabel	8720	7667	6637	6952	8752	7235	7475	6668
Port Moody	6668	5781	4482	5031	7614	5520	5351	4545
Prince Rupert	6214	5286	4028	4577	7160	5066	4897	4091
Puerto Montt	10654	9913	9771	10050	10259	9701	9723	9468
Puntarenas (CR)	9926	9103	7750	8943	10330	8858	8632	7869
Punta Arenas (Ch)	10004	9708	9836	9920	9962	9453	9496	9403
Salina Cruz	8843	8019	7005	7295	9297	7764	7588	6784
San Francisco	6880	6050	4666	5586	7761	5807	5630	4820
San José (Guat)	9090	8285	7082	7623	9698	8084	7920	7113
Seattle	6834	5768	4310	5011	7601	5500	5338	4527
Tacoma	6677	5790	4331	5031	7623	5520	5360	4549
Talcahuano	101	10025	9734	10151	10380	10021	10056	9526
Tocopilla	10696	10335	9399	9891	11074	10211	10090	9363
Valparaiso	11305	10218	9706	10190	10557	9949	9950	9534
Vancouver (BC)	6664	5777	4478	5027	7610	5516	5347	4541
Victoria (Vanc Is)	6597	5710	4438	4957	7543	5440	5280	4469

West Coast of North and South America

AREA H	AREA F							
	Makassar	Manado	Manila	Masinloc	Moji	Muroran	Nagasaki	Nagoya
Antofagasta	9613	9493	9943	9983	9825	9017	9685	9289
Arica	9745	9488	10162	10202	9421	8815	9547	9111
Astoria	6813	6342	5940	5840	4702	3783	4706	4375
Balboa	9855	9352	9346	9386	8209	7438	8200	7716
Buenaventura	9938	9466	9497	9537	8275	7631	8366	7956
Cabo Blanco (Peru)	9631	9263	9500	9540	8320	7732	8437	8062
Caldera	9469	9364	9285	9325	9632	9076	9723	9281
Callao	9665	9433	9785	9825	9015	8238	9147	8633
Cape Horn	8734	8679	9250	9290	9556	9535	9562	9393
Chimbote	9598	9298	9592	9632	8617	7935	8742	8297
Coos Bay	6848	6197	6098	5998	4753	4073	4901	4418
Corinto	9250	8719	8720	8760	7451	6857	7566	7187
Eureka	6817	6242	6067	5967	4832	4138	4968	4495
Guayaquil	9771	9400	9615	9655	8325	7812	8487	8016
Guaymas	8170	7613	6940	6980	6633	5730	6769	6286
Honolulu	5298	4664	4768	4808	3860	3392	3986	3527
Iquique	9754	9615	10171	10211	9482	8877	9640	9163
Los Angeles	7280	6651	6530	6430	5507	4649	5337	4955
Manzanillo (Mex)	8215	7670	7680	6820	6442	5750	6592	6105
Mazatlan (Mex)	8030	7483	6590	6630	6283	5590	6419	5936
Nanaimo	6881	6218	5977	5877	4577	4036	4584	4303
New Westminster	6889	6226	5985	5885	4696	4044	4755	4462
Portland (Oreg)	6906	6425	6023	5923	4785	3866	4789	4458
Port Alberni	6790	6127	5733	5633	4597	3941	4656	4363
Port Isabel	8400	7843	7170	7210	6863	5960	6999	6516
Port Moody	6884	6221	5827	5727	4691	4039	4750	4437
Prince Rupert	5800	5767	5493	5426	4237	3575	4296	4003
Puerto Montt	8938	8876	8802	8846	9647	9394	9670	9378
Puntarenas (CR)	9764	9261	9255	9295	8118	7404	8109	7625
Punta Arenas (Ch)	8693	8638	9202	9242	9515	9520	9522	9352
Salina Cruz	8732	8194	7750	7790	6946	6303	7079	6646
San Francisco	7009	6432	6230	6130	5021	4328	5030	4666
San José (Guat)	9018	8513	7540	7580	7308	6631	6444	6961
Seattle	6864	6201	5959	5859	4734	4020	4705	4313
Tacoma	6884	6221	5989	5889	4700	4040	4759	4425
Talcahuano	9491	9436	9693	9733	9701	9318	9802	9381
Tocopilla	9694	9553	10990	11030	10180	8918	10206	9680
Valparaiso	9185	9114	8400	8440	9782	9275	9806	9400
Vancouver (BC)	6880	6217	5976	5876	4687	4035	4746	4453
Victoria (Vanc Is)	6804	6141	5760	5660	4620	3959	4679	4255

West Coast of North and South America

AREA H	AREA F							
	Nampo	Osaka	Otaru	Palembang	Qingdao	Qinhuangdao	Sabang	Shanghai
Antofagasta	10175	9376	9129	10186	10152	10332	11120	10039
Arica	10061	9246	8928	10456	10154	10272	11335	9912
Astoria	5100	4515	4104	7602	5010	5250	7659	5062
Balboa	8584	7968	7612	10192	8573	8892	11105	8649
Buenaventura	8690	8091	7743	10766	8697	8877	10975	8770
Cabo Blanco (Peru)	8794	8172	7844	10682	8812	8959	11213	8802
Caldera	10213	9447	9185	10462	10213	10413	10700	10309
Callao	9574	8838	8350	10597	9617	9821	11276	9557
Cape Horn	10039	9454	9874	9299	10031	10202	9180	9870
Chimbote	9134	8455	8047	10589	9164	9340	11194	9129
Coos Bay	5313	4560	4175	7753	5150	5541	7544	5256
Corinto	7929	7335	6969	10025	7937	8084	10458	7927
Eureka	5219	4645	4250	7798	5221	5608	7840	5323
Guayaquil	9189	8151	7924	10715	8880	9453	11326	8872
Guaymas	6794	6436	5842	8867	7021	6957	9680	7121
Honolulu	4413	3684	3500	6204	4456	4600	6480	4340
Iquique	10159	9308	8989	10465	10153	10332	10855	10200
Los Angeles	5965	5193	4754	7626	6025	6097	8467	5810
Manzanillo (Mex)	6932	6255	5702	8718	6658	7243	9710	6942
Mazatlan (Mex)	6780	6086	5540	8517	6671	7053	9330	6771
Nanaimo	5150	4442	4148	7631	5130	5275	7672	5086
New Westminster	5158	4553	4156	7639	5096	5283	7680	5101
Portland (Oreg)	5183	4598	4187	7685	5093	5601	7742	5145
Port Alberni	5059	4454	4045	7540	4927	5184	7581	5002
Port Isabel	7024	6666	6072	9090	7251	7187	9910	7351
Port Moody	5153	4548	4151	7634	4421	5278	7675	5096
Prince Rupert	4699	4094	3697	5885	3967	4824	6285	4642
Puerto Montt	10186	9496	9508	9859	10132	10277	9883	10093
Puntarenas (CR)	5493	7877	7521	10821	8482	8801	11014	8558
Punta Arenas (Ch)	9998	9407	9635	9258	9990	10161	9222	9768
Salina Cruz	7430	6795	6335	9371	7397	7663	10084	7434
San Francisco	5399	4826	4440	7911	5403	5827	7950	5500
San José (Guat)	7805	7110	6743	9467	7696	8078	10280	7796
Seattle	5140	4635	4131	7621	5109	5265	7665	5101
Tacoma	5162	4557	4151	7643	5130	5287	7684	5105
Talcahuano	10238	9531	9460	9970	10225	10499	10090	10061
Tocopilla	10183	9382	9030	10475	10207	10350	11010	9963
Valparaiso	10267	9586	9382	10460	10274	10494	10545	10418
Vancouver (BC)	5149	4544	4147	7630	5115	5274	7671	5092
Victoria (Vanc Is)	5082	4477	4071	7563	5039	5207	7604	5025

West Coast of North and South America

190 REEDS MARINE DISTANCE TABLES

AREA F

AREA H	Shimonoseki	Singapore	Surabaya	Tanjung Priok	Tokyo	Toyama	Vladivostok	Yokohama
Antofagasta	9850	10524	9801	9916	9172	10275	9434	9154
Arica	9446	10731	10008	10186	8999	9871	9282	8981
Astoria	4727	7059	7126	7332	4258	4352	4339	4240
Balboa	8234	10504	10269	10642	7699	8659	7741	7681
Buenaventura	8300	10375	10122	10496	7822	8725	7953	7804
Cabo Blanco (Peru)	8319	10612	9936	10313	7928	8770	7967	7916
Caldera	9657	10178	9818	10192	9171	10082	9464	9153
Callao	9040	10676	9953	10327	8576	9465	6886	8558
Cape Horn	9557	9557	8984	9066	9319	10006	9906	9301
Chimbote	8629	10644	9894	10270	8202	9067	8376	8187
Coos Bay	4778	6944	7262	7483	4301	4403	4352	4283
Corinto	7450	9857	9672	9963	7053	7901	7105	7041
Eureka	4857	7238	7257	7528	4378	4482	4501	4360
Guayaquil	8350	10726	10071	10445	8005	8775	8044	7987
Guaymas	6658	9059	8980	8858	6150	7083	6307	6132
Honolulu	3885	5880	5600	5934	3413	4310	3726	3397
Iquique	9507	10257	9821	10195	9044	9932	9323	9026
Los Angeles	5532	7867	7622	7356	4857	5157	4991	4839
Manzanillo (Mex)	6467	8909	8788	8448	6002	6892	6139	5984
Mazatlan (Mex)	6308	8731	8630	8247	5800	6733	5957	5782
Nanaimo	4602	7072	7172	7361	4218	4227	4252	4200
New Westminster	4721	7088	7180	7369	4289	4346	4387	4271
Portland (Oreg)	4810	7142	7209	7415	4341	4435	4422	4323
Port Alberni	4622	6981	7081	7270	4190	4247	4288	4172
Port Isabel	6888	9289	9210	9088	6380	7313	6537	6362
Port Moody	4716	7075	7175	7364	4284	4341	4382	4266
Prince Rupert	4762	6683	5783	7810	3830	3887	3928	3812
Puerto Montt	9661	10442M	9379	9557	9284	10089	9733	9269
Puntarenas (CR)	8143	10413	10178	10551	7608	8568	7650	7590
Punta Arenas (Ch)	9515	9482M	8943	9025	9271	9965	9861	9259
Salina Cruz	6958	9383	9230	9205	6527	7396	6622	6512
San Francisco	5046	7350	7343	7641	4554	4671	4566	4536
San José (Guat)	7333	9633	9580	9197	6825	7758	6982	6807
Seattle	4759	7062	7162	7351	4272	4384	4210	4254
Tacoma	4725	7084	7184	7373	4293	4350	4231	4275
Talcahuano	9726	9493	9326	9700	9290	10151	9634	9272
Tocopilla	10205	10412	9831	10205	9109	10630	9299	9091
Valparaiso	9807	9945	9816	10190	9298	10232	9606	9280
Vancouver (BC)	4712	7071	7171	7360	4280	4337	4378	4262
Victoria (Vanc Is)	4645	7004	7104	7293	4212	4270	4338	4194

WEST COAST OF NORTH AND SOUTH AMERICA

Area G

Distances between principal ports in Australasia, New Guinea and the Pacific Islands

and

Area G Other ports in Australasia, New Guinea and the Pacific Islands.

Area H The West Coast of North and South America.

also

Distances between principal ports on the West Coast of North and South America, and other ports on the West Coast of North and South America.

