



# WORLD YACHTING

## MILEAGE CALCULATOR

DAY'S RUN.....	2
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## EXCHANGE RATES November 2010

EQUIVALENT EXCHANGE RATES.....	2
EQUIVALENT DELIVERY RATES.....	2

DELIVERY PRICE CALCULATOR.....	3
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## DELIVERY ROUTES

CARIBBEAN.....	4
ENGLAND.....	4
PACIFIC.....	5
SOUTH AFRICA.....	5/6
THAILAND.....	6
USA.....	6

## DELIVERY MILEAGES

AUSTRALIA.....	7/8
AZORES.....	8
BERMUDA.....	8
BALEARIC ISLANDS.....	8
CABO VERDE ISLANDS.....	8
CANARY ISLANDS.....	9
CARIBBEAN.....	9
CHANNEL ISLANDS.....	9
ENGLAND.....	10
FRANCE.....	10
GIBRALTAR.....	10
GREECE.....	11
HONG KONG.....	11
INDIAN OCEAN.....	11
MALAYSIA.....	11
MADEIRA.....	11
MALTA.....	11
NEW ZEALAND.....	11
NORTH PACIFIC.....	13
PORTUGAL.....	12
SINGAPORE.....	12
SOUTH AFRICA.....	12
SOUTH PACIFIC.....	13
SPAIN.....	13
THAILAND.....	13
USA.....	13
WEST PACIFIC.....	13

USEFUL WAYPOINTS.....	14
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## WORLD YACHTING

### MILEAGE CALCULATOR

#### DAY'S RUN

Speed at 5 knots = 120 miles per day.	Delivery of 1000 miles = 8.3 days.
Speed at 5.5 knots = 132 miles per day.	Delivery of 1000 miles = 7.6 days.
Speed at 5.75 knots = 138 miles per day.	Delivery of 1000 miles = 7.3 days.
Speed at 6 knots = 144 miles per day.	Delivery of 1000 miles = 7 days.
Speed at 6.25 knots = 150 miles per day.	Delivery of 1000 miles = 6.6 days.
Speed at 6.5 knots = 156 miles per day.	Delivery of 1000 miles = 6.4 days.
Speed at 7 knots = 168 miles per day.	Delivery of 1000 miles = 6 days.
Speed at 7.5 knots = 180 miles per day.	Delivery of 1000 miles = 5.6 days.
Speed at 8 knots = 192 miles per day.	Delivery of 1000 miles = 5.2 days.

**Example:** A yacht sailing at 6.5 knots will make 156 miles in a 24 hour period and will take 6.4 days to cover 1000 miles.

### EXCHANGE RATES - NOVEMBER 2010

#### EQUIVALENT EXCHANGE RATES

EUROPEAN EURO	UNITED STATES DOLLAR	ENGLISH STERLING	SOUTH AFRICAN RAND	AUSTRALIAN DOLLAR
€1	1.36	0.86	9.50	1.37
0.72	<b>\$1</b>	0.62	6.81	0.98
1.59	1.62	<b>£1</b>	11.01	1.59
0.11	0.15	0.09	<b>1 ZAR</b>	0.14
0.68	1.02	0.56	6.36	<b>\$1 AUD</b>

**Example:** \$1 USD equals \$0.98¢ AUD, 6.36 ZAR, 0.56 GBP

#### EQUIVALENT DELIVERY RATES

€1.60 equals		\$2.23	£1.38	15.19 ZAR	A\$2.10
€1.80 equals		\$2.51	£1.55	17.09 ZAR	A\$2.47
€1.90 equals		\$2.65	£1.64	18.04 ZAR	A\$2.60
€2.00 equals		\$2.79	£1.73	18.99 ZAR	A\$2.75
<b>\$1.80</b> equals	€1.29		£1.11	12.58 ZAR	A\$1.76
<b>\$2.00</b> equals	€1.43		£1.24	13.60 ZAR	A\$1.96
<b>\$2.25</b> equals	€1.61		£1.39	15.30 ZAR	A\$2.21
<b>\$2.50</b> equals	€2.79		£1.55	17.00 ZAR	A\$2.45
<b>£1.30</b> equals	€1.51	\$2.08		14.31 ZAR	A\$2.07
<b>£1.40</b> equals	€1.63	\$2.24		15.41 ZAR	A\$2.23
<b>£1.50</b> equals	€1.74	\$2.40		16.51 ZAR	A\$2.39
<b>A\$2.90</b> equals	€2.91	\$1.80	£2.11	18.44 ZAR	
<b>A\$3.00</b> equals	€3.01	\$1.97	£2.19	19.08 ZAR	
<b>A\$3.20</b> equals	€3.21	\$1.99	£2.33	20.35 ZAR	
<b>Example:</b> €1.80 EUR equals	\$2.51 USD,		£1.55 GBP,	17.09 ZAR	and \$2.63 AUD



## WORLD YACHTING

### **DELIVERY PRICE CALCULATOR**

1000 miles at <b>€1.80</b> per mile equals	€1,800	\$2,448	£1,548	17,100 ZAR	A\$2,466
1000 miles at <b>€1.90</b> per mile equals	€1,900	\$2,584	£1,634	18,050 ZAR	A\$2,603
1000 miles at <b>€2.00</b> per mile equals	€2,000	\$2,720	£1,720	19,000 ZAR	A\$2,740
1000 miles at <b>\$1.60</b> per mile equals	\$1,600	€1,152	£992	10,896 ZAR	A\$1,632
1000 miles at <b>\$1.75</b> per mile equals	\$1,750	€1,260	£1,085	12,939 ZAR	A\$1,785
1000 miles at <b>\$2.00</b> per mile equals	\$2,000	€1,440	£1,240	13,620 ZAR	A\$2,040
1000 miles at <b>£1.30</b> per mile equals	£1,300	€2,067	\$2,067	14,313 ZAR	A\$2,067
1000 miles at <b>£1.40</b> per mile equals	£1,400	€2,226	\$2,268	15,414 ZAR	A\$2,226
1000 miles at <b>£1.50</b> per mile equals	£1,500	€2,385	\$2,430	16,515 ZAR	A\$2,385
1000 miles at <b>A\$2.90</b> per mile equals	A\$2,900	€1,798	\$2,958	£1,624	18,328 ZAR
1000 miles at <b>A\$3.00</b> per mile equals	A\$3,000	€1,860	\$3,060	£1,680	18,960ZAR
1000 miles at <b>A\$3.20</b> per mile equals	A\$3,200	€1,984	\$3,264	£1,792	20,244 ZAR

**Example:** A 3600 mile delivery charged at €1.90 a mile. Multiply 3600 miles by €1,90 to give the **Approximate** delivery price in euro's, (€6840).



## WORLD YACHTING

### **DELIVERY ROUTES**

World Yachting would like to recommend the book 'WORLD CRUISING ROUTES' written by Jimmy Cornell, ISBN 0-978-0-7136-8777-4 which contains so much valuable information on routes and mileages.

Mileages and positions listed here are for information only, but every effort has been made to see that they are accurate as possible.

#### **CARIBBEAN**

##### 1. ROAD TOWN (Tortola) to GIBRALTAR

Road Town to St. Georges (Bermuda)	925 miles
St. Georges to Waypoint (40° 00'N 60° 00'W)	516
Waypoint to Horta (Faial, Azores)	1457
Horta to Shepherds Marina (Gibraltar)	<u>1106</u>
<b>TOTAL</b>	<b>4004</b>

#### **ENGLAND**

##### 1. FALMOUTH to BALAMADENA (Spain by Coastal route).

Falmouth to Camaret (France, inside Ouessant)	120 miles
Camaret to La Rochelle	207
La Rochelle to Santander (Spain)	202
Santander to La Coruna	233
La Coruna to Bayona	113
Bayona to Cascais (Portugal)	217
Cascais to Lagos	125
Lagos to Villamoura	26
Vilamoura to Barbate (Spain)	119
Barbate to Gibraltar	36
Gibraltar to Balamadena (Spain)	<u>54</u>
<b>TOTAL</b>	<b>1452</b>

##### 2. HAMBLE to GIBRALTAR

Hamble to Ilse d' Ouessant (France)	215 miles
Ilse d'Ouessant to Cabo Villano (Spain)	320
Cabo Villano to Sanxenzo (Spain)	59
Sanxenzo to Villamoura (Portugal)	374
Vilamoura to Gibraltar	<u>154</u>
<b>TOTAL</b>	<b>1122</b>

##### 3. HAMBLE to PHILLIPSBURG (St. Maarten, Caribbean)

Hamble to Bayona (Spain)	604 miles
Bayona to Puerto Mogan (Cran Canaria)	954
Puerto Mogan to Waypoint (20°N 40°W)	1410
Waypoint to Phillipsburg	<u>1302</u>
<b>TOTAL</b>	<b>4270</b>



## WORLD YACHTING

### PACIFIC

#### CHRISTOBAL to BRISBANE / CAIRNS (Australia)

Christobal to Balboa (length of Panama Canal)	48 miles
Balboa to Puerto Ayora (Galapagos Islands)	886
Puerto Ayora to Atuona (Hiva Oa, Marquesas)	2925
Atuona to Papeete (Tahiti)	<u>785</u>
	4644 = <b>4644 miles</b>
Route A: Papeete (Tahiti) to Bora Bora (Society Islands)	147
Bora Bora to Apia (Western Samoa)	1185
Apia to Suva (Fiji)	633
Suva to Noumea (New Caledonia)	728
Noumea to Brisbane (Australia)	<u>786</u>
<b>TOTAL</b>	3479 = <b>8123 miles</b>
Route B: Papeete to Avatiu (Rarotonga, Southern Cook Islands)	620 miles
Avatiu to Nuku'alofa (Tonga)	867
Nuku'alofa to Noumea (New Caledonia)	1040
Noumea to Cairns (Australia)	<u>1215</u>
<b>TOTAL</b>	3742 = <b>8386 miles</b>

### SOUTH AFRICA

#### 1. CAPE TOWN to MIAMI (USA)

Cape Town to Jamestown (St. Helena)	1698 miles
Jamestown to Georgetown (Ascension Island)	710
Georgetown to Fortaleza (Brazil)	<u>1464</u>
	3872 = <b>3872 miles</b>
	+
Route 1. Fortaleza to Chaguaramas (Trinidad)	1647
Chaguaramas to Charlotte Amalie, (St. Thomas.)	497
Charlotte Amalie to Miami	<u>987</u>
<b>TOTAL</b>	3131 = <b>7003 miles</b>
	OR
Route 2. Fernando de Noronha Island to Bridgetown (Barbados)	1918
Bridgetown to Phillipsburg (St. Maarten)	370
Phillipsburg to Miami	<u>1080</u>
<b>TOTAL</b>	3368 = <b>7240 miles</b>

#### 2. CAPE TOWN to LA ROCHELLE (France)

Cape Town to Jamestown (St. Helena)	1698 miles
(Jamestown to Georgetown, Ascension Island 700 miles)	
Jamestown to Mindelo (Cabo Verdes)	2283
Mindelo to Ponta Delgarda (Sao Miguel)	1254
Ponta Delgarda to La Rochelle	<u>1207</u>
<b>TOTAL</b>	<b>6442</b>



## WORLD YACHTING

### **SOUTH AFRICA (contd.)**

#### **3. CAPE TOWN to MAHÉ (Seychelles)**

Cape Town to Port Elizabeth	435 miles
Port Elizabeth to East London	130
East London to Durban	260
Durban to Richards Bay	88
Richards Bay to Dzaoudzi, (Ile Mayotte, Comoros Islands)	1225
Dzaoudzi to Victoria, (Mahé, Seychelles)	<u>795</u>
<b>TOTAL</b>	<b>2933</b>

### **THAILAND**

#### **1. PHUKET to SYDNEY (Australia)**

Phuket to Singapore	535 miles
Bali to Darwin (Australia)	952
Darwin to Thursday Island	731
Thursday Island to Cairnes	447
Cairnes to Mooloolaba	744
Mooloolaba to Sydney	<u>470</u>
<b>TOTAL</b>	<b>3879</b>

#### **2. PHUKET to MARINA BAY (Gibraltar)**

Phuket (Ao Po Marina) to Magalle, Galle (Sri Lanka)	1113 miles
Magalle to Aden (Yemen)	2158
Aden to Port Sudan (Sudan)	648
Port Sudan to Suez (Egypt)	680
Suez to Port Said (length of Suez Canal)	97
Port Said to Valetta (Malta)	930
Valetta to Marina Bay (Gibraltar)	<u>971</u>
<b>TOTAL</b>	<b>6675</b>

#### **3. PHUKET to COH SAMUI (Thailand)**

Ao Po Marina to Kula Yacht club, Langkawi (Malaysia)	150 miles
Langkawi to Singapore Western waypoint, 01° 15'N 103° 29.4'E	389
Western waypoint to Singapore Eastern waypoint, 01° 19.5'N 104° 15.7'E	50
Eastern waypoint to Tioman Island	134
Tioman Island to Perhentians	202
Perhentians to Boh Phut (Coh Samui, Thailand)	275
<b>TOTAL</b>	<b>1200</b>

### **USA**

#### **1. MIAMI to GIBRALTAR**

Miami to waypoint (40° 00'N 60° 00'W)	1398 miles
Waypoint to Horta (Faial, Azores)	1457
Horta to Shepherds Marina (Gibraltar)	<u>1106</u>
<b>TOTAL</b>	<b>3961</b>



## WORLD YACHTING

### **DELIVERY MELAGES**

#### **AUSTRALIA**

##### **1. BRISBANE to:**

Cairns	821 miles
Shute Harbour (Whitsunday Islands)	528
Opuia (New Zealand)	1175
Noumea (New Caledonia)	786
Thursday Island (Torres Straits, Australia)	1260

##### **2. DARWIN to:**

Bali	952 miles
Cairns (Australia)	1302
Hong Kong	2380
Manila (Philippines)	1857
Singapore	1910
Thursday Island (Torres Straits, Australia)	731

##### **3. FREMANTLE to:**

Cocos Keeling	1590 miles
Bali	1445
Melbourne	1650
Singapore	1918

##### **4. MELBOURNE (Sandringham Yacht Club) to:**

Adelaide (Australia)	514 miles
Auckland (New Zealand)	1640
Fremantle (Australia)	1650
Hobart (Tasmania, Australia)	485
Osaka (Japan)	5500
Port Vila (Vanuatu)	1855
Entrance Port Phillip Bay	35
Sydney (Australia)	527
Wellington (New Zealand)	1441

##### **5. SYDNEY to:**

Auckland (New Zealand)	1281 miles
Brisbane (Australia)	446
Fremantle via south coast	2115
Hobart	630
Mooloolaba (Queensland Australia)	470
Noumea (New Caledonia)	1066
Opuia (New Zealand)	1170
Port Vila (Vanuatu)	1358
Sanctuary Cove (Queensland)	400
Suva (Fiji)	1740
Thursday Island (Torres Straits, Australia)	1190



## WORLD YACHTING

### 6. THURSDAY ISLAND to:

Benoa (Bali)	1612 miles
Manila (Philippines)	2135
Hong Kong	2729
Singapore	2450
Noumea (New Caledonia)	1580

### 7. VARIOUS:

Sanctuary Cove to Mooloolaba (Queensland, Australia)	87 miles
Mooloolaba to Cairns	746

## **AZORES**

### 1. HORTA (Faial) to:

Falmouth (UK)	1129 miles
Marina Bay (Gibraltar)	1106
Newport (USA)	1970
Ponta Delgada (Azores)	151

### 2. PONTA DELGARDA to:

Bayona (Spain)	818 miles
Crosshaven (Ireland)	1132
Falmouth (UK)	1167
La Rochelle (France)	1207
Marina Bay (Gibraltar)	984
Vilamoura (Portugal)	841

## **BERMUDA**

### St. GEORGE'S to:

English Harbour (Antigua)	943 miles
Falmouth (UK)	3102
Miami (USA)	931
Newport (USA)	639
Tortola (British Virgin Islands, Caribbean)	842

## **BALEARIC ISLANDS**

Palma (Mallorca) to Regio Calebria (Messina Straits)	632 miles
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## **CABO VERDE ISLANDS**

### MINDELO to:

Bridgetown (Barbados)	2013 miles
English Harbour (Antigua)	2030
Ponta Delgada (Azores)	1260
Puerto Mogan (Cran Canaria, Canary Islands)	834
Rio de Janeiro (Brazil)	2620
Salvador (Brazil)	1984





## WORLD YACHTING

### **CANARY ISLANDS**

#### LAS PALMAS, CRAN CANARIA, CANARY ISLANDS to:

Dakar (Senegal)	853 miles
English Harbour (Antigua)	2680
Marina Bay (Gibraltar)	703
Puerto Mogan (Cran Canaria)	45
Rio d' Janeiro (Brazil)	3464
Salvador (Brazil)	2851

### **CARIBBEAN**

#### 1. ANTIGUA to:

Christobal (Panama)	1160 miles
Horta (Azores)	2930
Miami (USA)	1160
Newport (USA)	1562
Phillipsburg (St. Maarten)	98
St. George's (Bermuda)	943
Prickly Pear (Grenada)	300

#### 2. PHILLIPSBURG to:

The Baths (Virgin Gorda)	85 miles
Prickly Pear (Grenada)	378
Pointe-a-Pitre (Guadeloupe)	174
Miami (USA)	1080

#### 3. VARIOUS:

Tortola (British Virgin Islands) to Christobal (Panama)	1049 miles
Bridgetown (Barbados) to Phillipsburg (St. Maarten)	368

### **CHANNEL ISLANDS**

Jersey (St. Helier) to St. Peter Port (Guernsey)	27 miles
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## WORLD YACHTING

### **ENGLAND**

#### 1. DOVER to:

Burnham-On-Crouch (UK)	53 miles
Brunsbüttel- (Kiel Canal, Germany)	349
Cuxhaven (Germany)	332
Den Helder (Holland)	174
Esbjerg (Denmark)	368

#### 2. FALMOUTH to:

Cascais, near Lisbon (Portugal)	634 miles
Funchal (Madeira)	1200
Las Palmas (Cran Canaria, Canary Islands)	1387
Marina bay (Gibraltar)	1099
Horta (Azores)	1129
Newport (USA)	2765
Ilse d' Ouessant (France)	106
Rio de Janeiro (Brazil)	4700

#### 3. HAMBLE (SOLENT, SOUTHAMPTON) to:

Brighton (UK)	51 miles
Dover (UK)	114
Falmouth (UK)	167
St. Helier (Jersey)	120

### **FRANCE**

Camaret to St. Peter Port (Guernsey)	132 miles
Cherbourg to St. Helier (Jersey)	57
La Rochelle to Sanxenzo (Spain)	449
La Rochelle to Puerto Rico (Cran Canaria, Canary Islands)	1375
La Rochelle to Funchal (Madeira)	1121

### **GIBRALTAR**

#### MARINA BAY to:

Balamadena (Spain)	53 miles
Sanxenzo (Spain)	525
Bizerte (Tunisia)	743
Cascaise (nr Lisbon) (Portugal)	400
Falmouth (UK)	1099
Las Palmas, Cran Canaria, (Canary Islands)	703
Regio Calebria (Italy, Messina Straits)	1027
Mindelo (Cabo Verdes)	1562
Palma (Mallorca)	450
Horta (Azores)	1106
San Antonio (Ibiza)	380
Valetta (Malta)	971
Vilamoura (Portugal)	154



## WORLD YACHTING

### **GREECE**

#### **RHODES to:**

Valetta (Malta)	637 miles
Iraklion (Crete)	166
Port Said (Egypt)	373

### **HONG KONG**

Apra (Guam)	1820 miles
Manila (Philippines)	621
Osaka (Japan)	1395

### **INDIAN OCEAN**

Chagos to Mahé (Seychelles)	975 miles
Chagos to Malé (Maldives)	999
Christmas Island to Chagos	2005
Magalle, Galle (Sri Lanka) to Malé (Maldives)	418
Malé Maldives) to Aden (Yemen)	1780
Mahé (Seychelles) to Aden (Yemen)	1397

### **MALAYSIA**

Langkawi to Singapore	407 miles
Langkawi to Penang	66
Penang to Singapore	367

### **MADEIRA**

#### **FUNCHAL to:**

English Harbour (Antigua)	2598 miles
Las Palmas, Cran Canaria, (Canary Islands)	284
Marina Bay (Gibraltar)	613
Rodney Bay (St. Lucia)	2655

### **MALTA**

#### **VALETTA to:**

Port Said (Egypt)	936 miles
Iraklion (Crete)	526

### **NEW ZEALAND**

#### **1. OPUA TO:**

Brisbane (Australia)	1216 miles
Noumea (New Caledonia)	892
Nuku'alofa (Tonga)	1033
Suva (Fiji)	1060

#### **2. VARIOUS:**

Auckland to Thursday Island (Australia)	2410 miles
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## WORLD YACHTING

### **NORTH PACIFIC**

Balboa (Panama) to San Francisco (USA)	2901 miles direct but allow 4096 -4230 offshore – current
Balboa (Panama) to Acapulco (Mexico)	1535
Honolulu (Hawaii) to Osaka (Japan)	4090 note Osaka to Hawaii 3572 miles by different route
Osaka (Japan) to San Francisco (USA)	4681

### **PORTUGAL**

Cascais to Las Palmas (Cran Canaria, Canary Islands)	702 miles
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### **SINGAPORE**

Singapore to Koh Samui (Thailand)	605 miles
Singapore to Manila (Philippines)	1304
Singapore to Bali (Indonesia)	962
Singapore to Hong Kong	1426 / 1684 depends on the time of year and route

### **SOUTH AFRICA**

#### **CAPE TOWN to:**

Abu Dhabi (Dubai)	4805 miles
Adelaide (Australia)	5924
Dakar (Senegal)	3820
Durban (South Africa)	792
Richards Bay (South Africa)	880
English Harbour (Antigua)	5727
Falmouth (UK)	5188
Fremantle (Australia)	4840
Jamestown (St. Helena)	1700
Puerto Mogan (Cran Canaria, Canary Islands)	4780
La Rochelle (France)	6390
Marina Bay (Gibraltar)	5510
Melbourne (Australia)	5610
Mindelo (Cabo Verdes)	3947
Muscat (Oman)	4440
Newport (USA)	7290
Ponta Delgada (Azores)	5213
Rio d' Janeiro (Brazil)	3220
Salvador (Brazil)	3350
Wellington (New Zealand)	6970

### **SOUTH PACIFIC**

Apia (Western Samoa) to Levuka, (Suva, Fiji)	477 miles
Atuona (Marquesas) to Honolulu (Hawaii)	2176
Avatiu (Southern Cook Islands) to Nuku'alofa (Tonga)	867
Bora Bora (Tahiti – Society Islands) to Apia (Western Samoa)	1173
Bora Bora to Opua (NZ) via Nuku'alofa (Tonga)	2385
Levuka (Fiji) to Port Villa (Vanuatu)	650
Noumea (New Caledonia) to Thursday Island (Australia)	1565



## WORLD YACHTING

Nuku'alofa (Tonga) to Opuia (New Zealand)	1046
Papeete (Tahiti) to Honolulu (Hawaii)	2478
Port Vila (Vanuatu) to Noumea (New Caledonia)	425
Suva (Fiji) to Port Vila (Vanuatu)	590
Suva to Noumea (New Caledonia)	729
Vava'u (Tonga) to Levuka. (Suva, Fiji)	422

### **SPAIN**

Sanxenzo to Horta, (Faial, Azores)	939 miles
Sanxenzo to Puerto Mogan, (Cran Canaria, Canary Islands)	954
Sanxenzo to Funchal (Madeira)	705

### **THAILAND**

#### **PHUKET TO:**

Coh Samui (Thailand)	1207 miles
Langkawi (Malaysia)	143
Penang (Malaysia)	197
Raffles Marina (Singapore)	535
Victoria Harbour (Hong Kong)	1958

### **USA**

Charleston to St. Georges (Bermuda)	776 miles
Newport to Fort Lauderdale	1046
San Francisco to Hilo (Hawaii)	2022

### **WEST PACIFIC**

Benoa (Bali) to Magalle, Galle (Sri Lanka)	2304 miles
Benoa to Thursday Island (Australia)	1617
Madang (Papua New Guinea) to Apra (Guam)	1124
Madang to Manila (Philippines)	1973
Manila (Philippines) to Osaka (Japan)	1558
Osaka (Japan) to Apra (Guam)	1384
Malakal (Palau) to Apra (Guam)	762



## WORLD YACHTING

### USEFUL WAYPOINTS

#### Abbreviations

P of E      Port of Entry  
M            Marina

ALGERIA	Algiers – harbour entrance	36° 46'N 03° 05'E
	Tenes	36° 32'N 01° 19'E
ARUBA	Barcadera – P of E	12° 28'N 69° 59'W
	Renaissance Marina – M	10° 31'N 70° 02'W
ASCENSION ISLAND	Georgetown – anchorage – P of E	07° 55'S 14° 25'W
AUSTRALIA	Adelaide – Flinder's Marina, North haven M, – P of E	34° 48'S 138° 29'E
	Brisbane – East Coast Marina – P of E	27° 28'S 153° 12'E
	Bundaberg – Entrance to channel – P of E	24° 45'S 152° 23'E
	Cairns – Entrance to channel – P of E	16° 55'S 145° 47'E
	Coffs Harbour – Entrance to bay – Entrance P of E –M	30° 18'S 153° 09'E
	Darwin – Cullen Bay Marina, Lock – M – P of E	12° 27'S 130° 50'E
	Fremantle – Challenger Marina – M	32° 03'S 115° 44'E
	Hobart – M	42° 53'S 147° 20'E
	Melbourne – WP outside entrance to Port Phillip	38° 18'S 144° 38'E
	Sandringham Y. C. – M, P of E	37° 56'S 145° 00'E
	Mooloolaba – entrance to channel – M	26° 41'S 153° 08'E
	Sanctuary Cove – M	27° 51'S 153° 22'E
	Shute Harbour – M	26° 16'S 148° 43'E
	Sydney – Entrance – P of E, M	33° 50'S 151° 17'E
	Townsville – P of E, M	19° 15'S 146° 49'E
	Thursday Island – Port Kennedy – P of E	10° 35'S 142° 13'E
AZORES	Faial – Horta – M, P of E	38° 32'N 28° 37'W
	Flores – Porto Das Lajes – P of E	39° 23'N 31° 10'W
	Sao Maria – Vila da Porto – M, P of E	36° 56'N 25° 09'W
	Sao Miguel – Ponta Delgarda – M, P of E	37° 44'N 25° 39'W
	Terceira – Porto Pipas – M	38° 39'N 27° 13'W



## WORLD YACHTING

BALEARICS	Ibiza – Puerto de Ibiza –M	38° 54'N 01° 27'E
	San Antonio – M, P of E	38° 58'N 01° 18'E
	Mallorca – Palma – M	39° 34'N 02° 38'E
BALI	Benoa – entrance to channel	08° 45'S 115° 14'E
	Bali Marina – M, P of E	08° 44'S 115° 12.6'E
BAHAMAS	Great Exumas – Georgetown – M	23° 30'N 75° 46'W
	New Providence Island – Nassau – M	25° 05'N 77° 19'W
BERMUDA	St. Georges – The Narrows (entrance) – P of E	32°22.7'N 64° 39.4'W
BRAZIL	Fernando Da Norianha –Bai de Santo Antonio– P of E	03° 51'S 32° 25'W
	Fortaleza – Marina da Gloria	03° 43'S 38° 32'W
	Recife	08° 03'S 34° 52'W
	Rio de Janeiro – Marina da Gloria	22° 55'S 43° 10'W
	Salvador – Sao Antonio Lighthouse	13° 01'S 38° 32'W
	Bahia Marina – M, P of E	12° 59'S 38° 31'W
CABO VERDE ISLANDS	Sal Vincent – Porto Grande, (Mindelo) – M, P of E	16° 54'N 25° 00'W
	Sal – Baia da Palmeira Sal – P of E	16° 45'N 22° 59'W
	Santiago – Porto da Praia – P of E	14° 54'N 23° 30'W
CANADA	Halifax Nova Scotia – entrance	44° 35'N 63° 30'W
CANARY ISLANDS	Cran Canaria – Las Palmas – M	28° 08'N 15° 25'W
	Puerto Mogan – M	27° 49'N 15° 46'W
	Puert Rico – M	27° 47'N 15° 43'W
	Fuerteventura – Puerto Castillo	28° 24'N 13° 51'W
	Gomera –San Sebastian – M	28° 05'N 17° 06'W
	Hierro – Puerto de la Estaca – M	27° 47'N 17° 54'W
	Lanzarote – Puerto Calero – M	28°55'N 13 ° 42'W
	Tenerife – Los Cristianos – crowded marina	28° 03'N 16° 43'W
	Puerto Colon – M	28° 05'N 16° 44'W



## WORLD YACHTING

CARIBBEAN	Antigua – English harbour entrance	17° 00'N 61° 46'W
	Jolly Harbour	17° 04'N 61° 55'W
	Aruba – Renaissance Marina	12° 31'N 70° 02'W
	Bequia – Admiralty Bay – Port Elizabeth	13° 00'N 61° 15'W
	Barbados – Bridgetown – Carlisle Bay	13° 06'N 59° 38'W
	South East tip of Island	13° 02'N 59° 30'W
	Dominican Republic – Marina Zar Par	18° 25'N 69° 37'W
	Grenada – St. Georges Harbour – P of E	12° 03'N 61° 45'W
	Prickly Bay – Entrance – M	11° 59'N 61° 46'W
	Guadeloupe – Pointe a Pitre	16° 12'N 61° 32'W
	Jost Van Dyke – Great Harbour – P of E	18° 26'N 64° 45'W
	Martinique – Forte de France – Pointe du Bout Marina	14° 34'N 61° 03'W
	Marin Yacht Harbour – P of E – M	14° 28'N 60° 52'W
	Puerto Rico – Fajaroo, Marina Del Ray – M	18° 17'N 65° 38'W
	St. Barts – Gustav harbour – M	17° 54'N 62° 50'W
	St. Kitts – Christophe Marina – M, P of E	17° 14'N 62° 39'W
	St. Lucia – Marigot Harbour – P of E	13° 58'N 61° 02'W
	Northern tip of St. Lucia	14° 06'N 60° 56'W
	Rodney Bay – M	14° 05'N 60° 59'W
	Southern tip of St. Lucia	13° 42'N 60° 57'W
	St. Maarten – Phillipsburg – M, P of E	18° 00'N 63° 03'W
	St. Thomas – Charlotte Amalie – American Yacht Harbour –M, P of E	18° 19'N 64° 51'W
	Tortola – Village Cay, Road Harbour – M, P of E	18° 25'N 64° 37'W
Trinidad – Chaguramas, Power Boats Marina.	10° 41'N 61° 38'W	
CHANNEL ISLANDS	Jersey – St. Helier – outside harbour – M	49° 10'N 02° 07'W
	Guernsey – St. Peter Port – Queen Elizabeth II Marina	49° 28'N 02° 32'W
COLOMBIA	Cartengena – entrance to Bocachica	10° 19'N 75° 36'W
COMOROS ISLANDS	Dzaoudzi, (Mayotte)	12° 47'S 45° 15'E
COOK ISLANDS (SOUTHERN)	Avatiu – Rarotonga – P of E	21° 12'S 159° 47'W





## WORLD YACHTING

CORSICA	Ajaccio – M	41° 55'N 08° 45'E
	Bonifacio – Entrance to inlet – M	41° 23'N 09° 09'E
	Calvi – M	42° 34'N 08° 46'E
	Porto Vecchio	41° 35'N 09° 17'E
COSTA RICA.	Marina Pez Vela Quepos – M	09° 26'N 84° 10'W
CROATIA	Dubrovnik A.C. I. Marina – M, P of E	42° 40'N 18° 07'E
	Zadar – M	44° 07'N 15° 14'E
	Split – Aci Split	43° 30'N 16° 26'E
CUBA	Havana, Hemingway Marina – P of E	23° 05'N 82° 31'W
	Santiago – Punta Marina – M	19° 59'N 75° 52.5'W
CYPRUS	Larnaca – M, P of E	34° 55'N 33° 39'E
	Limasol – M, P of E	34° 39'N 33° 02'E
DENMARK	Esbjerg – entrance to channel	55° 27'N 08° 19'E
DOMINICAN REPUBLIC	Santo Domingo – entrance to inlet	18° 28'N 69° 53'W
	Haina	18° 25'N 70° 01'W
DJIBOUTI	Djibouti harbour	11° 36'N 43° 08'E
EGYPT	Port Said – WP for north side of Suez Canal	31° 20'N 32° 23'E
	Port Fouad Yacht Club – P of E	31° 15'N 32° 19'E
	Suez– WP for north side of Suez Canal	29° 51'N 32° 33'E
ENGLAND	Brighton – M	50° 49'N 00° 06'W
	Dover South entrance – M	51° 07'N 01° 20'W
	Dartmouth	50° 20'N 03° 33'W
	Falmouth	50° 09'N 05° 04'W
	Hamble – entrance to river	50° 51'N 01° 19'W
	Holyhead – M	53° 10'N 04° 37'W
	Needles Lighthouse (Isle of Wight)	50° 40'N 01° 37'W
	Plymouth – entrance to W channel	50° 20'N 04° 08'W
	Mayflower Marina – M	50° 22'N 04° 10'W
	Poole – Entrance to channel	50° 39'N 01° 55'W
Salcombe	50° 14'N 03° 47'W	
Torquay – M	50° 27'N 03° 32'W	



## WORLD YACHTING

FIGI	Suva Yacht club on Viti Levu island	18° 07'S 178° 26'E
FRANCE	Brest Port du Moulin Blanc Marina chanel bouy – M, P of E	48° 23'N 04° 26'W
	Approach waypoint	48° 19'N 04° 39'W
	Cameret (near Brest) – M, P of E, fuel	48° 17'N 04° 35'W
	Cannes – Vieux Port– M	43° 33'N 07° 01'E
	Cherbourg – Harbour entrance – M, P of E	49° 39'N 01° 37'W
	La Rochelle – M, P of E	46° 09'N 01° 11'W
	Les Sables d'Olonne entrance to harbour – M	46° 29'N 01° 47'W
	Marseille – M,	43° 17'N 05° 21'E
	Ouessant (popularly known as Ushant)	48° 27'N 05° 10'W
	Port Camargue	43° 31'N 04° 07'E
	Port Joinville– Ile d'Yeu – M	46° 44'S 02° 21'W
	Port Vauban (Antibes)	43° 35'N 07° 08'E
	Saint Tropez – M	43° 16'N 06° 38'E
	St. Gilles Croix de Ville – M	46° 41'N 01° 57'W
GALAPAGOS ISLANDS	Academy Bay, Puerto Isidro Ayora – Isla Santa Cruz P of E	00° 45'S 90° 18'W
GERMANY	Brunsbüttel – South entrance to Nord - Ostsee Canal	53° 53'N 09° 08'E
	Cuxhaven – M, P of E	53° 53'N 08° 43'E
GIBRALTAR	Marina Bay – M, P of E	36° 09'N 05° 22'W
GREECE	Corfu – Gouvia – M	39° 39'N 19° 51'E
	Crete – Iraklion – M, P of E	35° 21'N 25° 10'E
	Isthmia (Corinth Canal)	37° 55'N 23° 11'E
	Mikonos	37° 27'N 25° 20'E
	Rhodes – Mandraki – M, P of E	36° 27'N 28° 14'E
GUAM	Apra	13° 27'N 144° 37'E
HOLLAND (THE NETHERLANDS)	Den Helder – Harbour entrance – M	52° 58'N 04° 47'E
HAWAII ISLANDS	Hawaii, Hilo Harbour – P of E	19° 44'N 155° 04'W
	Island of Oahu, Honolulu – M, P of E	21° 17'N 157° 53'W



## WORLD YACHTING

HONG KONG	Aberdeen Boat Club – M, P of E	22° 14.5'N 114° 05'E
	Gold Coast Yacht & Country Club	22° 22.5'N 113° 59.4'E
	Hebe Haven, Saikung	22° 21.9'N 114° 15.7'E
	Victoria Harbour – Royal HK Yacht Club Note: This is not a public marina	22° 18'N 114° 11'E
INDIA	Cochin – P of E	09° 58'N 76° 14'E
IRELAND	Crosshaven – entrance to Cork Bay – M	51° 48'N 08° 16'W
	Malahide, – entrance to inlet – M	53° 27'N 06° 07'W
ISRAEL	Akko – M, P of E	32° 55'N 35° 04'E
ITALY	San Remo – Port Solé – M	43° 49'N 07° 47'E
	Reggio de Calabria – M	38° 08'N 15° 39'E
	Portofino – M	44° 18'N 09° 13'E
	Viareggio	43° 52'N 10° 14'E
JAMAICA	Kingston – sea buoy – M, P of E	17° 58'N 76° 49'W
	Montego Bay – M, P of E	18° 28'N 77° 56'W
	Port Antonio – Errol Flynn Marina	18° 11'N 76° 27'W
JAPAN	Osaka – Hokku Marina – M, P of E	34° 40.4'N 135° 24.4'E
MADEIRA	Funchal – M, P of E	32° 39'N 16° 55'W
	Porto Santo – M	33° 03'N 16° 19'W
MALAYSIA	Georgetown (Penang) – Tanjong City Marina – M, P of E	05° 25'N 100° 21'E
	Langkawi, Kuah – Yacht Club – M, P of E	06° 18'N 99° 51'E
	Perhentians Islands – Palau Kechil	05° 55'N 102° 44'E
	Port Dickson – Admiral Marina – M	02° 29'N 101° 50'E
	Redang	05° 45'N 102° 44'E
	Tengoll	04° 48'N 103° 40'E
	Tengu	04° 49'N 103° 40'E
	Tioman (island) – M	02° 49'N 104° 09'E
MALDIVES	Malé	04° 11'S 73° 31'E
MALTA	Valetta – Port Ta' Marsamxett – M, P of E	35° 54'N 14° 31'E



## WORLD YACHTING

MARQUESAS	Hiva Oa – Atuona – anchorage, gendarmerie	09° 49'S 139° 02'W
	Nuku Hiva – Taiohae – small harbour, Gendarmerie	08° 56'S 140° 06'W
MEXICO	Acapulco – entrance to Boca Grande – M, P of E	16° 48'N 99° 54'W
MONACO	Port de Monaco	43° 44'N 07° 26'E
MOROCCO	Agadir – M harbour entrance Note Nov to Jan can have large swells	30° 25'N 09° 37'W
	Ceuta, harbour entrance – M, P of E	35° 54'N 05° 18'W
	Essaouira, harbour entrance	31° 30'N 09° 47'W
	Marina Asmir (Restinga Smir)	35° 45'N 05° 20'W
	Rabat-Sale – M	34° 02'N 06° 50'W
MOÛRÎTÂNÎYA	Daklar, outer sea bouy	23° 36.2'N 15° 58.4'W
	Commercial fishing harbour.	23° 39.3'N 15° 57.3'W
NAMIBIA	Lüderitz	28° 38'S 15° 10'E
	Walvis Bay, Approach waypoint	22° 51.5'S 14° 27'E
	Yacht club	22° 51'S 14° 24'E
NEW CALEDONIA	Nouméa – Port Moselle – M	22° 17'S 166° 26'E
	Passe de Dumbéa	22° 21'S 166° 15'E
	Ile de Pins, Kuto	22° 39.5'S 167° 26.4'E
NEW ZEALAND	Auckland Bayswater Marina	36° 49'S 174° 46'E
	Auckland Westhaven Marina just before the bridge	36° 50'S 174° 45'E
	Opuā	35° 19'S 174° 07'E
	Wellington	41° 19'S 174° 48'E
PALAU	Malakal Harbour – P of E	07° 20'N 134° 28'E
PANAMA	Balboa (Pacific side) – Channel Bout no.10	08° 55'N 79° 33'W
	Christobal (Caribbean side) harbour entrance	09° 24'N 79° 55'W
PAPUA NEW GUINEA	Madang, Binnen Harbour – P of E	05° 13'S 145° 48'E
	Port Moresby, anchorage off yacht club	09° 28'S 147° 09'E
	Rabaul	04° 12'S 152° 11'E
PHILIPPINES	Manila, – approach to Yacht Club	14° 34'N 120° 59'E
PORTUGAL	Cascais (marina at entrance to Lisbon) – M	38° 41'N 09° 25'W
	Lagos – entrance – M	37° 06'N 08° 40'W



## WORLD YACHTING

	Lecca	41° 10'N 08° 43'W
	Leixoes – M	41° 10'N 08° 42'W
	Nazare	39° 35'N 09° 05'W
	Peniche – M	39° 21'N 09° 22'W
	Sines – fishing and commercial harbour	37° 57'N 08° 52'W
	Vilamoura – entrance – M	37° 04'N 08° 07'W
	Viana do Castelo, entrance to river	41° 40'N 08° 49'W
SARDINIA	Cagliari	39° 12'N 09° 07'E
	Porto Cervo – M	41° 08'N 09° 32'E
SAMOA (WESTERN SAMOA)	Apia	13° 49'S 171° 46'W
SENEGAL	Dakar, arrival waypoint	14° 38'N 17° 27'W
SEYCHELLES	Mahé (Ilse de Mayotte) –M, P of E	04° 37'S 55° 28'E
SINGAPORE	Raffles Marina–M, P of E	01° 17.6'S 103° 45.7'E
	Republic Of Singapore Yacht Club	01° 17.4'S 103° 45.4'E
	Small craft anchorage	01° 17.3'N 103° 43.3'E
SICILY	Palermo	38° 08'N 13° 22'E
SOCIETY ISLANDS	Bora Bora – outside harbour entrance	16° 30'S 151° 48'W
	Moorea – Pass Tupapaurau	17° 34'S 149° 47'W
	Papeete (Tahiti) – outside harbour entrance	17° 32'S 149° 35'W
	Raiatea – Pass Teavapiti	17° 44.5'S 151° 25'W
SOUTH AFRICA	Cape Town – Royal Cape Yacht Club – M, P of E	33° 55'S 18° 27'E
	Club Mykonos – M	33° 03'S 18° 02'E
	Durban – harbour entrance – M, P of E	29° 52'S 31° 04'E
	East London – harbour entrance – M	33° 02'S 27° 55'E
	Port Elizabeth – marina entrance	33° 57'S 25° 38'E
	Richards Bay – entrance to bay – M, P of E	28° 48'S 32° 06'E
	Saldanha Bay – South Head light	33° 06'S 18° 05'E



## WORLD YACHTING

SPAIN	Alicante	38° 20'N 00° 29'W
	Almerimar	36° 42'N 02° 48'W
	Barbate – LAST marina west of Gibraltar	36° 11'N 05° 55'W
	Barcelona (Real Club Maritime de Barcelona) – M	41° 20'N 02° 10' E
	Bayona – M	42° 07'N 08° 50'W
	Benalmadena – M	36° 36'N 04° 31'W
	Cabo Villano	43° 10'N 09° 14'W
	Cape Finesterre	42° 53'N 09° 17'W
	Chippiona	36° 45'N 06° 26'W
	Fuengirola – M	36° 33'N 04° 38'W
	Gijon – M	42° 33'N 05° 40'W
	La Coruna – M, P of E	43° 22'N 08° 23'W
	Marbella	36° 30'N 04° 53'W
	Puerto Deportivo Aguadulce	39° 49'N 02 ° 34'W
	Puerto Jose' Banus – M	36° 29'N 04 ° 57'W
	Puerto Sherri (nr Cadiz)	36° 34'N 06° 15'W
	Santander – Harbour entrance	43° 28'N 03° 46'W
	Marina de Santander – M, P of E	43° 26'N 03° 48'W
	Santa Uxia de Ribeira – M	43° 38'N 08° 59'W
	Sanxenzo – M	42° 24'N 08° 48'W
	Sotogrande – M	36° 17'N 05 ° 16'W
	Vila Garcia – M	42° 36'N 08° 46'W
SRI LANKA	Galle – P of E	06° 01'N 80° 14'E
ST. HELENA	Jamestown – P.of E, anchorage	15° 55'S 05° 43'W
SUDAN	Port Sudan	19° 36'N 37° 14'E
THAILAND	Coh Samui – Bophut entrance, – M, P of E	09° 33.7'N 100° 01.8'E
	Pattaya – Ocean Marina	12° 49'N 100° 56'E
	Phuket Ao Po – Grand Marina – M, P of E	08° 03.3'N 98° 26.7'E
	Phuket – Ao Chalong anchorage	07° 49'N 98° 21'E
	Phuket Boat lagoon 1st Channel Bouy	07° 08.65'N 98° 24.9'E
	Boat Lagoon – M, P of E	07° 57.8'N 98° 33.1'E



## WORLD YACHTING

	Phuket Yacht Haven – M, P of E	08° 10.2'N 98° 20.5'E
TOBAGO	Scarborough – Rocky Bay – P of E	11° 11'N 60° 44'W
TONGA	Nuku'alofa	21° 08'S 175° 11'W
	Vav'au (Neiafu)	18° 39'S 173° 59'W
TRINIDAD	Chaguaramas, Motor Boats – M, P of E	10° 41'N 61° 38'W
	Amada Point (arrival waypoint)	10° 42'N 61° 40'W
TRISTAN DA CUNHA ISLAND	Endingborough on north west coast Tristan Island	37° 03'S 12° 18'W
TUAMOTU ISLANDS	Tahanea	16° 52'S 144° 57'W
	Rangiroa (Tiputa) – police post, village	15° 00'S 147° 50'W
TUNISIA	Bizerte – M, P of E	37° 17'N 09° 54'E
	Monastir – M	35° 47'N 10° 50'E
	Sidi Bou Said – M	36° 52'N 10° 21'E
TURKEY	Bodrum – Milta Bodrum Marina –M	36° 51'N 28° 16.6'E
	Fethiye ECE Marina– M	36° 37.5'N 29° 06'E
	Instanbul Setur Kalamais Marina – M	40° 58'N 29° 02'E
	Kusadasi Setur Kusadsai Marina – M	38° 19.5'N 26° 21'E
	Marmaris – Netsell Marina – M	36° 51'N 28° 16.6'E
UNITED ARAB REPUBLIC	Abu Dhabi – Mina Zayed – M, P of E	24° 32.5'N 54° 23'E
	Dubai – Jebel Ali Hotel – M, P of E	25° 05.4'N 55° 08.5'E
USA	Annapolis	38° 58'N 76° 29'W
	Boston – Quincy – M, P of E	42° 17.6'N 71° 01.3'W
	Charleston (South Carolina) – Charleston Harbour Marina – M, P of E	32° 47'N 79° 54.4'W
	Fort Lauderdale – entrance – M, P of E	26° 05'N 80° 06'W
	Los Angeles – Long Beach Shoreline Marina – M, P of E	33° 45'N 118° 12'W
	Miami – entrance – M, P of E	25° 46'N 80° 08'W
	Newport – Rhode Island – M, P of E	41° 29'N 71° 19'W
	Sans Francisco Pier 39 – M	37° 49'N 122° 24'W
VANUATU	Port Vila – M, P of E	17° 45'S 168° 18'E
VENEZUELA	Isle de Margarita	10° 56.7'N 63° 50'W
	Puerto La Cruz – Bahia Redonda – M	10° 12'N 64° 40'W



## WORLD YACHTING

YEMEN	Sucre – M	10° 29'N 64° 08'W
	Aden – Harbour entrance	12° 48'N 44° 58'E