

Anhang (ALT)

Im Anhang finden Sie sämtliche Unterlagen, welche zur Lösung der Aufgaben Kapitel F und G verwendet werden können.

Gezeitentabellen (Auszug)	50
Luminous Range Diagram	59
Geographical Range Table	59
Leuchtfeuerverzeichnis (Auszug)	60
Ablenkungstabelle	62

9.18.5 PASSAGE INFORMATION

More Passage Information is threaded between successive harbours in this Area. **Bibliography:** *North Brittany and Channel Islands CC* (Wiley/Cumberlidge); *The Channel CC* (NDL/Featherstone & Aslett); *Channel Pilot* (NP 27). *Channel Havens* (ACN/Endean).

THE WEST COAST OF THE COTENTIN PENINSULA

This coast is exposed and often a lee shore (AC 3653, 3655, 3656, 3659). North of Carteret it is mostly rocky. Southward to Mont St Michel and W to St Malo the coast changes to extensive offshore shoals, sand dunes studded with rocks and a series of drying hbrs; there is little depth of water, so that a nasty sea can build.

► The seas around this coast are dominated by powerful tidal streams rotating anti-clockwise; and a very large tidal range. In the Alderney Race the main English Channel tidal streams are rectilinear NEISW. Tidal streams need to be worked carefully; neaps are best, particularly for a first visit. The Admiralty tidal stream atlas NP 264 covers the French coast and Channel Islands. The equivalent SHOM 562-UJA gives more details. ◀

CAP DE LA HAGUE TO MONT ST MICHEL

Cap de La Hague is low-lying, but the ground rises steeply to the south. Between the coast and Gros du Raz It ho a difficult and narrow passage leads S to Gourey. It is sheltered when the Alderney Race is fully exposed, but is not for the inexperienced.

The high chimneys (279m, R lights) of the Jobourg nuclear plant are conspic 3.7M SE. CROSS Jobourg is adjacent.

5M S of Cap de la Hague beware Les Huquets de Jobourg, an extensive unmarked bank of drying (2.1m) and submerged rks, and Les Huquets de Vauville (5.4m) close SE of them.

The drying hbrs at Gourey, Carteret and Portbail are more readily accessible if cruising from S to N on the flood. The marinas at Diélette and Carteret are non-tidal. The former has H24 access for 1.5m draught if coefficient is <80.

Déroute de Terre and Passage de la Déroute are coastal chans, poorly marked, shallow in places and not advised at night.

Déroute de Terre (not shown on AC 2669 and 3655) passes W of Plateau des Trois Grunes; Basses de Portbail; La Basse du Sénéquet WCM buoy; Les Nattes WCM buoy; Roches d'Agon; E of La Catheue SCM It buoy; E of Îles Chausey; and W of Pte du Roc (Granville). Between Granville and Îles Chausey it carries <1m in places, but with adequate rise of tide this is not a problem for small craft; the Channel Pilot gives directions.



Passage de la Déroute is used by ferries from the UK to St Malo. It passes W of Les Trois Grunes; between Basses de Taillepied and Les Écrehou; Chaussée des Boeufs and Plateau de l'Arconie; E of Les Minquiers and Les Ardenes; thence NW of Îles Chausey via Entrée de la Déroute, a side channel.

Granville has an excellent but very crowded half-tide marina. Îles Chausey, 8.3M WNW of Granville, is a popular and attractive archipelago. The Sound can be entered from the S or N with careful pilotage and sufficient rise of tide.

The drying expanse of Baie du Mont St Michel should not be entered by sea, but is an enjoyable visit from the mainland.

9.18.6 SPECIAL NOTES FOR FRANCE: see Area 17

MINOR HARBOUR CLOSE SOUTH OF CAP DE LA HAGUE

GOURY, Manche, 49°42'85N 01°56'83W. AC 1114, 3653, 5604.2; SHOM 7158, 5636, 7133 (essential). HW -0410 on Dover (UT); ML 5.1m. See Omonville-la-Rogue. For visitors, appr at slack water nps with no swell and good vis; a fair weather hbr only, dries to flattish shingle. At tidal diamond M, 1.3M W, the N-S stream reaches 9.7kn at sp, 5.8kn at nps.

Cap de la Hague (Gros du Raz) It ho is 0.5M NW of hbr; La Foraine WCM It bn is 1.0M to the W. 065° ldg lts, by day: Front W patch with R ■ at end of bkwr; rear, W pylon, lead between Diotret to S and Les Grios to N. ↓ W of the 2 □ slips in 1.7m or dry out on shingle banks SE of the bkwr.

☎ 02-33-52-85-92. Facilities: R, ☑ at Auderville (0.5M).

9.18.7 DIÉLETTE

Manche, 49°33'20N 01°51'79W

CHARTS AC 2669, 3653; SHOM 7158, 7133; Navi 528, 1014; Imray C33A

TIDES HW -0430 on Dover (UT); ML 5.4m

Standard Port ST MALO (→)

Times	Height (metres)			
	High Water	Low Water	MHWS	MLWN
0100	0800	0300	0800	12.2
				9.3
				4.2
				1.5
	1300	2000	1500	2000

Differences DIÉLETTE

+0045	+0035	+0020	+0035	-2.5	-1.9	-0.7	-0.3
-------	-------	-------	-------	------	------	------	------

SHELTER Good in marina, but when retaining wall covers boats surge fore and aft; rig good springs. No entry in strong W'lies.

NAVIGATION WPT 49°33'45N 01°52'16W, 140°/650m to W bkwr It. Appr is exposed to W'y winds/swell; 2kn cross tide at hbr ent. Caution: drying rks 3ca E of ⊕, marked by unlit WCM buoy. 1.5M WSW, keep seaward of WCM It buoy off Flamanville power stn. Outer hbr ent dredged CD +0.5m; with Coefficient <55 accessible for 2m draft. W side of outer hbr dries approx 5m.

LIGHTS AND MARKS Two power stn chys (69m) are conspic 1.2M to SW. A single conspic house on the skyline is aligned 140° with ent, in 10° W sector of Dir It 140°, W twr/G top at head of W bkwr.

COMMUNICATIONS CROSS 02-33-52-16-16; ☎ 02-33-04-93-17; ☎ 08-92-68-08-50; Emergency 15; ☎ 02-33-23-34-00; Brit Consul 01-44-51-31-00; Dr 02-33-52-99-00; HM VHF Ch 09, summer 0800-1300, 1400-2000LT, winter 0900-1200, 1330-1800LT; Aff Mar 02-33-23-36-00; YC 02-33-04-14-78; Tourist office ☎ 02-33-52-81-60.

FACILITIES Marina ☎ 02-33-53-68-78. portdielette@cc-lespieux.com www.cc-lespieux.fr 350+75 ☎ €3.00. Enter about HW±3 for 1.5m draft, over a sill with lifting gate 3.5m above CD; waiting pontoon outside. ⚓ berths 'A' pontoon and the E ends of 'B' (S side only) and 'C' (N side only). Rig stout springs to minimise surging around HW. D & P, ⚓, BH (40 ton) ☎; Ferry to Cl.

Village, basic foods, mkt Sun AM, ☎, R. Flamanville 15 mins walk, ☎, ☎.

Les Pieux ☎, R, ☎, ☎, ☎. A third 1,750MW reactor is being built at Flamanville.

St Malo tides

STANDARD TIME UT -01
 Subtract 1 hour for UT
 For French Summer Time add
 ONE hour in non-shaded areas

ST MALO LAT 48°38'N LONG 2°02'W
 TIMES AND HEIGHTS OF HIGH AND LOW WATERS

Dates in red are **SPRINGS**
 Dates in blue are **NEAPS**

YEAR 2014

MAY		JUNE		JULY		AUGUST										
Time	m	Time	m	Time	m	Time	m									
1	0259 1.5	16	0235 1.4	1	0340 2.3	16	0354 1.1	1	0352 2.5	16	0432 0.9	1	0428 2.7	16	0529 2.0	
	0819 12.0		0756 12.1		0906 11.1		0914 12.2		0919 11.0		0949 12.4		0957 10.9		1047 11.4	
TH	1513 1.7	F	1457 1.5	SU	1551 2.6	M	1614 1.5	TU	1602 2.7	W	1649 1.3	F	1639 2.9	SA	1743 2.6	
	2032 12.0		2015 12.3		2116 11.2		2134 12.4		2129 11.2		2208 12.5		2207 10.9		2306 10.9	
2	0331 1.8	17	0318 1.4	2	0411 2.7	17	0440 1.4	2	0422 2.7	17	0514 1.3	2	0456 3.0	17	0604 3.0	
	0854 11.7		0837 12.1		0939 10.7		1001 11.9		0952 10.7		1032 11.9		1027 10.5		1126 10.5	
F	1544 2.0	SA	1537 1.6	M	1622 3.0	TU	1659 1.9	W	1632 3.0	TH	1731 1.9	SA	1710 3.3	SU	1822 3.5	
	2105 11.7		2056 12.2		2149 10.8		2221 11.9		2201 10.8		2251 11.8		2239 10.4		2351 9.9	
3	0402 2.2	18	0400 1.5	3	0441 3.1	18	0526 1.8	3	0451 3.1	18	0555 2.0	3	0529 3.5	18	0645 3.9	
	0926 11.1		0921 11.9		1014 10.2		1049 11.4		1024 10.4		1115 11.2		1102 10.0		1215 9.6	
SA	1614 2.6	SU	1618 1.9	TU	1653 3.5	W	1745 2.4	TH	1703 3.4	F	1811 2.7	SU	1748 3.8	M	1912 4.3	
	2137 11.1		2140 11.9		2224 10.3		2310 11.3		2235 10.4		2336 10.9		2319 9.9			
4	0432 2.8	19	0443 1.8	4	0513 3.6	19	0614 2.4	4	0522 3.5	19	0638 2.9	4	0610 3.9	19	0054 9.1	
	0959 10.5		1006 11.4		1051 9.7		1139 10.8		1100 9.9		1201 10.4		1148 9.6		0743 4.5	
SU	1643 3.2	M	1701 2.4	W	1728 4.0	TH	1835 3.0	F	1738 3.8	SA	1858 3.4	M	1838 4.2	TU	1329 9.0	
	2210 10.5		2227 11.3		2304 9.7		2304 9.7		2313 9.9		2313 9.9		2030 4.7			
5	0501 3.4	20	0529 2.4	5	0551 4.0	20	0004 10.6	5	0600 3.8	20	0029 10.1	5	0015 9.4	20	0230 8.7	
	1035 9.8		1057 10.8		1136 9.3		0706 2.9		1142 9.5		0726 3.6		0707 4.3		0906 4.7	
M	1715 3.9	TU	1750 3.0	TH	1813 4.4	F	1235 10.2	SA	1824 4.2	SU	1258 9.8	TU	1257 9.3	W	1506 9.0	
	2247 9.8		2321 10.7		2354 9.3		2354 9.3		1956 4.0		1956 4.0		1948 4.4		2200 4.5	
6	0536 4.1	21	0622 2.9	6	0640 4.4	21	0106 10.1	6	0002 9.5	21	0137 9.4	6	0136 9.2	21	0356 9.1	
	1118 9.1		1155 10.2		1235 9.0		0805 3.4		0650 4.2		0829 4.1		0827 4.4		1030 4.4	
TU	1756 4.5	W	1849 3.5	F	1911 4.6	SA	1341 9.8	SU	1240 9.3	M	1413 9.4	W	1425 9.4	TH	1620 9.5	
	2336 9.1						2039 3.7		1922 4.4		2111 4.2		2118 4.1		2312 3.9	
7	0624 4.6	22	0025 10.2	7	0059 9.1	22	0218 9.8	7	0108 9.3	22	0300 9.3	7	0305 9.5	22	0456 9.7	
	1221 8.6		0726 3.3		0743 4.5		0912 3.6		0754 4.3		0943 4.2		0958 3.9		1134 3.7	
W	1856 5.0	TH	1305 9.8	SA	1348 9.0	SU	1455 9.8	M	1353 9.3	TU	1534 9.5	TH	1548 9.9	F	1713 10.2	
			2001 3.7		2023 4.6		2150 3.7		2037 4.3		2228 4.0		2239 3.4			
8	0047 8.7	23	0140 9.9	8	0213 9.2	23	0332 9.9	8	0224 9.4	23	0415 9.5	8	0422 10.2	23	0005 3.3	
	0733 4.8		0838 3.4		0858 4.3		1021 3.5		0914 4.1		1055 3.9		1115 3.2		0542 10.4	
TH	1347 8.5	F	1422 9.8	SU	1458 9.3	M	1604 10.1	TU	1508 9.6	W	1641 10.0	F	1656 10.8	SA	1223 3.1	
	2018 5.0		2116 3.6		2136 4.2		2334 3.4		2156 3.9		2333 3.5		2348 2.5		1756 10.9	
9	0212 8.7	24	0257 10.1	9	0320 9.6	24	0436 10.2	9	0337 9.8	24	0514 10.0	9	0527 11.0	24	0050 2.7	
	0903 4.7		0951 3.2		1011 3.8		1125 3.2		1031 3.6		1155 3.4		1220 2.3		0622 10.9	
F	1504 8.9	SA	1535 10.1	M	1559 9.9	TU	1702 10.5	W	1615 10.2	TH	1733 10.5	SA	1755 11.7	SU	1306 2.7	
	2137 4.6		2227 3.2		2241 3.6		2357 3.0		2304 3.2				1835 11.4			
10	0322 9.2	25	0404 10.4	10	0419 10.2	25	0531 10.5	10	0442 10.4	25	0026 3.1	10	0052 1.7	25	0130 2.4	
	1012 4.1		1058 2.9		1113 3.2		1220 2.9		1137 2.9		0602 10.5		0624 11.8		0658 11.3	
SA	1602 9.6	SU	1636 10.6	TU	1652 10.6	W	1752 10.9	TH	1715 11.0	F	1245 3.0	SU	1322 1.6	M	1344 2.3	
	2238 3.9		2330 2.8		2339 2.9						1818 11.0		1848 12.5		1909 11.7	
11	0417 9.9	26	0502 10.9	11	0513 10.8	26	0048 2.7	11	0007 2.5	26	0111 2.7	11	0152 1.0	26	0206 2.2	
	1107 3.5		1158 2.5		1208 2.6		0619 10.8		0542 11.1		0644 10.9		0716 12.5		0731 11.6	
SU	1650 10.3	M	1728 11.1	W	1742 11.2	TH	1306 2.7	F	1237 2.3	SA	1327 2.6	M	1417 1.0	TU	1418 2.2	
	2330 3.2				1836 11.2		1836 11.2		1809 11.7		1857 11.3		1937 13.1		1942 11.9	
12	0506 10.6	27	0026 2.4	12	0034 2.3	27	0131 2.5	12	0107 1.8	27	0151 2.4	12	0245 0.5	27	0238 2.0	
	1157 2.8		0553 11.2		0604 11.3		0702 11.1		0637 11.7		0721 11.2		0804 12.9		0803 11.7	
M	1734 11.0	TU	1249 2.3	TH	1302 2.1	F	1347 2.5	SA	1335 1.7	SU	1405 2.4	TU	1507 0.7	W	1450 2.1	
			1815 11.5		1829 11.8		1915 11.4		1901 12.3		1932 11.6		2023 13.3		2013 12.0	
13	0019 2.6	28	0114 2.2	13	0127 1.8	28	0210 2.3	13	0204 1.3	28	0227 2.3	13	0333 0.4	28	0310 2.0	
	0551 11.1		0639 11.4		0653 11.8		0740 11.2		0728 12.2		0755 11.3		0848 13.0		0832 11.7	
TU	1245 2.3	W	1333 2.1	F	1353 1.7	SA	1424 2.4	SU	1429 1.3	M	1440 2.3	W	1552 0.7	TH	1520 2.1	
	1815 11.5		1856 11.7		1915 12.2		1951 11.5		1950 12.8		2005 11.7		2107 13.2		2042 11.9	
14	0106 2.1	29	0155 2.0	14	0218 1.4	29	0246 2.3	14	0257 0.9	29	0301 2.2	14	0416 0.6	29	0337 2.1	
	0634 11.6		0720 11.5		0740 12.1		0815 11.2		0817 12.5		0827 11.4		0930 12.8		0901 11.6	
W	1331 1.9	TH	1411 2.1	SA	1442 1.5	SU	1458 2.3	M	1519 1.0	TU	1512 2.3	TH	1631 1.0	F	1548 2.2	
	1856 11.9		1934 11.7		2001 12.5		2024 11.5		2038 13.0		2036 11.7		2148 12.7		2111 11.7	
15	0152 1.7	30	0232 2.0	15	0307 1.2	30	0320 2.3	15	0347 0.7	30	0333 2.2	15	0454 1.2	30	0405 2.3	
	0715 11.9		0758 11.5		0827 12.3		0847 11.2		0904 12.6		0857 11.4		1009 12.2		0929 11.4	
TH	1415 1.6	F	1446 2.1	SU	1529 1.4	M	1532 2.4	TU	1605 1.0	W	1542 2.3	F	1709 1.7	SA	1616 2.5	
	1935 12.2		2009 11.7		2047 12.6		2056 11.4		2123 12.9		2106 11.6		2227 11.9		2141 11.3	
		31	0306 2.1		0833 11.3					31	0400 2.4			31	0432 2.7	
			0833 11.3		SA	1519 2.3				0927 11.2				SU	0958 11.0	
			2043 11.5								TH	1610 2.6				2212 10.8
											2136 11.3					

Chart Datum is 6.29 metres below IGN Datum. HAT is 13.6 metres above Chart Datum.

9.19.12 HERM

49°28'·22N 02°27'·26W

CHARTS and TIDES As for St Peter Port.

SHELTER Good shelter E or W of island depending on winds.

NAVIGATION Access is not difficult, if properly planned. Herm is reached from the Little Russel Channel via any of 7 passages all of which require reasonable visibility and care with tidal streams. AC 807 & 808 list the marks and bearings of all the passages.

The Alligande Passage is the simplest and most direct from St Peter Port. Approach with the Vermerette bcn (topmark 'V') in transit 074° with W patch on Hbr quay. Leave Alligande 'A', Godfrey 'GB' and Epec 'E' bcns to starboard; skirt close N of Vermerette. When its base is awash, there is 1m at hbr ent. The tide will be setting N. Sand build-up W of Vermerette affects craft NW-bound in the Percée Passage.

The appr from the Big Russel is more open and leads easily to pleasant ⚓s at Belvoir Bay and Shell Bay.

LIGHTS AND MARKS Ldg lts, both FW (occas) and W drums at 078°. 2FG (vert) on quay hd. Night appr not advised for visitors.

COMMUNICATIONS Island Admin ☎ 750000 for overnight stay in hbr.

FACILITIES

Herm Harbour, options:

- Lie to mooring lines secured to N and S walls inside hbr.
- Dry out on the beach to the E, moored fore/aft to chains.
- 5 ⚓s to N and 6 to W of hbr dry out; 6 more to NW: rky bottom to the N; isolated boulders/sand to W.

www.herm.com for navigation details and webcams of hbr & buoys. No fees; donations welcome. Showers, 🚻, 📺, R, limited 📶. Can be busy at summer weekends, better mid-week.



Rosière Steps Easiest appr is from the Big Russel via Percée passage; avoid Fourquies (2, NCM lt buoy), Meulettes (1,) and Tinker (2,). ⚓ 49°28'·22N 02°27'·22W NW of Rosière steps; good holding on sand, but exposed to S and SW. Access for landing only; do not linger alongside. Buoys are for ferries and Herm-owned boats only; hourly ferries by day. The bottom step is about 1.5m above the seabed which may be inconvenient at LWS. Caution: From just before HW to HW+2 tide sets hard onto the steps.

Belvoir Bay 49°28'·40N 02°26'·34W and **Shell Bay** are good ⚓s on sand, sheltered from W. Easy access from E; from S keep 400m offshore. Beach café or walk 800m to Harbour village. Note: Jethou, Crevichon and Grande Fauconnière are private. No landing.

9.19.13 SARK

Sark 49°25'·81N 02°20'·45W Creux

CHARTS AC 808, 5604.12; SHOM 7159, 6904; Navi 1014; Imray C33A, 2500

TIDES -0450 Dover; ML 5·3; Duration 0550

Standard Port ST HELIER (→)

Times		Height (metres)			
High Water	Low Water	MHWS	MHWN	MLWN	MLWS
0300	0900	11·0	8·1	4·0	1·4
1500	2100	1400	2100		

Differences SARK (MASELINE PIER)

+0005 +0015 +0005 +0010 -2·1 -1·5 -0·6 -0·3

Tidal streams Beware large tidal range, strong streams and many lobster pots. In Gouliot (W coast) and Goulet Passages the streams reach 6-7kn at springs. Note that at about half-tide the streams are slack around Sark. At HW the stream sets hard to the N, ie onto Little Sark. At LW the stream sets hard to the S, ie onto Bec du Nez (N tip). If bound from Guernsey to Sark's E coast, go N-about at HW and S-about at LW; conversely on the return.

SHELTER Sark is fringed by rocks, but the centres of the bays are mainly clear of dangers. A safe ⚓age or ⚓s can usually be found sheltered from offshore winds. But, depending on wind and tide, they may be uncomfortable, except in settled weather; see also Facilities.

NAVIGATION From the West, WPT 49°25'·27N 02°24'·30W, 070°/1·29M towards the Pilcher monument (Sark mill is obscd by trees) for Havre Gosselin or La Grande Grève.

From the N or after rounding Bec du Nez, the WPT is 49°27'·30N 02°21'·42W, on the 153° charted transit (aka the outside passage) towards Grève de la Ville and Maseline. Noirr Pierre rk is unlit but marked with a Y post & radar reflector. The inside passage, W of drying Pécheresse, is used by locals but ill advised for visitors.

LIGHTS AND MARKS Point Robert lt ho and Courbée du Nez are the only navigational lights on Sark; see chartlet and Lights, buoys & waypoints.

COMMUNICATIONS (Code 01481) Police (Guernsey) 725111; ☎ (Guernsey) 726911; Dr 832045; HM 832323, VHF Ch 10; Maseline Hbr VHF Ch 13, season only; Tourist Office 832345.

ANCHORAGES, ⚓s, HARBOURS AND FACILITIES

Anti-clockwise from Bec du Nez, the ⚓s below (all unlit) are safe in off-shore winds; in other conditions they can be exposed and sometimes dangerous. Some are only suitable around LW.

⚓s at Havre Gosselin and Grève de la Ville are free (courtesy Sark Moorings ☎ 832260, 07781 106065). Donations welcome in local boxes or c/o Le Grand Fort, Sark, Channel Islands, GY9 0SF. Water taxi Ch 10. All other moorings are private; use only in emergency.

WEST COAST (all ⚓s are exposed to W'lies)

Saignie Bay 49°26'·53N 02°22'·10W. Sand and shingle with fair holding. Picturesque rock formations.

Port à la Jument 49°26'·17N 02°22'·42W. Sand and shingle with fair holding. Difficult shore access.

Brecqhou Island is strictly private; landing prohibited.

Havre Gosselin 49°25'·77N 02°22'·68W. Popular deep (4-9m) ⚓. 20 Y ⚓s (see above). Beware of drying rk at extreme NW of bay. Crowded in summer. 299 steps to cliff top and panoramic views.

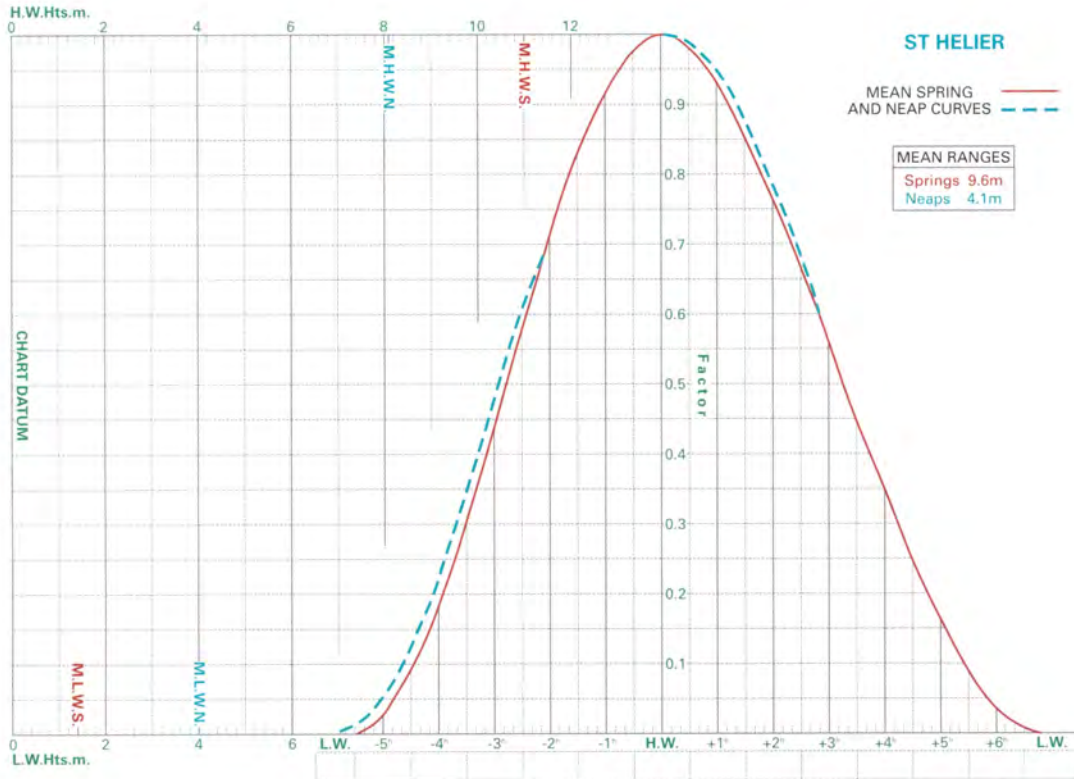
Port és Saies 49°25'·41N 02°22'·28W. Sandy inlet, steep cliff path.

La Grande Grève 49°25'·38N 02°22'·59W. Wide sandy bay, subject to swell, but popular day ⚓age. Beware two rks (drying 0·3m and ⚓) in the appr. Temporary steps to cliff-top panoramic views.

LITTLE SARK

Port Gorey 49°24'·60N 02°22'·72W. ⚓ or pick up Foc Y ⚓ in centre of deep, weedy bay over LW only; heavy swell begins near half-flood. Rocky appr from just NW of Grande Bretagne (18m high) then 045° into bay. Rocks must be positively identified. Remains of quay with ladder. Cliff walk past silver mine ruins to hotel.

Rouge Terrier 49°24'·78N 02°21'·87W. Sandy with some local moorings under high cliffs. Exposed to E. Landing with cliff path to hotel. Also ⚓ 49°25'·09N 02°21'·70W, 4ca NNE in Baleine Bay.



NAVIGATION WPT 49°11'·18N 01°59'·59W, 298°/1·3M to pier hd/front ldg lt. On appr, keep well outside all local bcns until the ldg marks are identified, but beware Banc du Chateau (0·4m least depth), 1M offshore NE of 298° ldg line; and Azicot Rk (dries 2·2m) just S of 298° ldg line, 2ca from ent. There are at least 3 approaches:

- Dir Lt 298°: Gorey pierhead, W framework twr; rear ldg mark House (west gable end). Best for visitors.
- Pierhead ≠ spire 304° (line between R & G sectors) leads close to Road Rk (3·3m) and over Azicot Rk (2·2m).
- Pierhead ≠ white house/R roof 250° leads close to Les Arch bn (B/W with A topmark) and Pacquet Rk (0·3m).

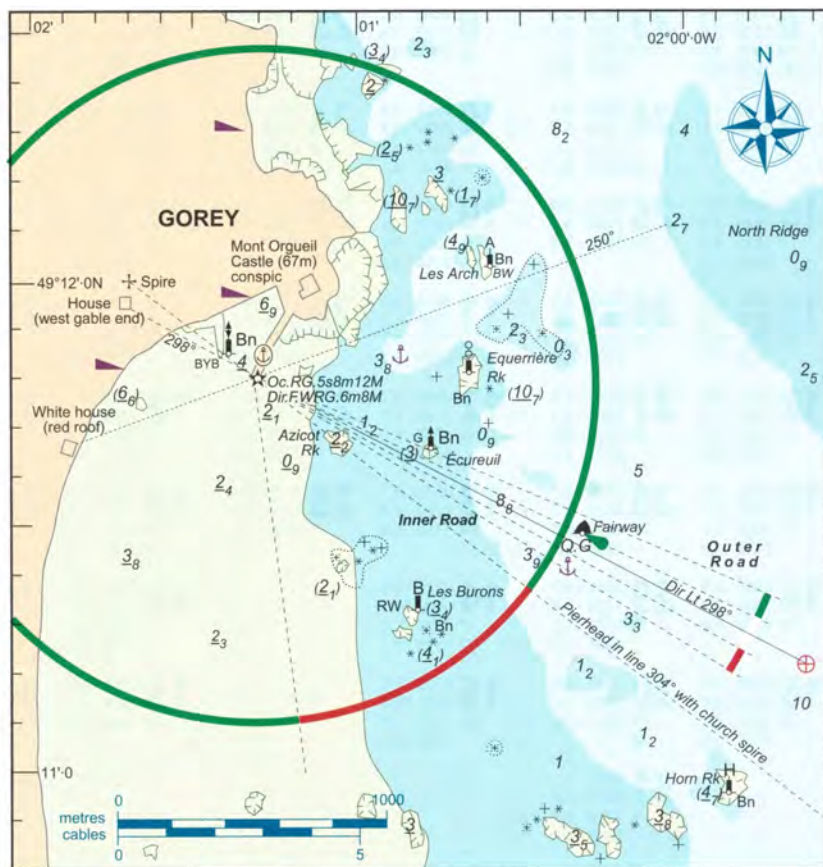
See Passage information for the Violet Chan to St Helier. The Gutters and Boat Passage across Violet Bank are not advised.

LIGHTS AND MARKS See chartlet and Lights, buoys & waypoints. Mont Orgueil Castle (67m) is highly conspic.

COMMUNICATIONS (Code 01534) Marine-call 09068 969656; ☎ 833833; for Dr contact Port Control St Helier 447788; Gorey Hbr Ch 74 (not permanently manned); Info Jersey Coastguard Ch 82.

FACILITIES Hbr dries to 6·9m. 12 drying ⚓s 150m W pierhd. 4 drying berths against pierhd. Port Control ☎ 447708. M, ☎ free. P & D HW ±3 (HO) by hose at pierhead 07797 742384. ⚓, C (7 ton), ⚙, Ⓜ, Gas.

Town Ⓜ, Ⓜ, R, Ⓜ, Ⓜ, Ⓜ, Ⓜ, bus to St Helier. Ferry (Apr-Sept) to Carteret.



AREA 19 – Channel Islands

STANDARD TIME (UT)
For Summer Time add ONE hour in non-shaded areas

ST HELIER LAT 49°11'N LONG 2°07'W
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

Dates in **red** are **SPRINGS**
Dates in **blue** are **NEAPS**

YEAR 2014

MAY		JUNE		JULY		AUGUST					
Time	m	Time	m	Time	m	Time	m				
1	0201 1.3	16	0138 1.2	1	0243 2.1	16	0256 1.0	1	0335 2.3	16	0433 1.7
	0736 10.9		0713 11.0		0824 9.9		0835 11.0		0913 9.8		1005 10.2
TH	1415 1.5	F	1357 1.3	SU	1454 2.4	M	1515 1.3	F	1548 2.6	SA	1650 2.3
	1949 10.9		1934 11.1		2032 10.0		2055 11.1		2124 9.8		2226 9.8
2	0234 1.6	17	0219 1.2	2	0314 2.4	17	0342 1.1	2	0405 2.7	17	0511 2.6
	0811 10.5		0756 10.9		0857 9.6		0922 10.7		0944 9.4		1044 9.3
F	1447 1.8	SA	1438 1.4	M	1526 2.7	TU	1601 1.6	SA	1621 3.0	SU	1731 3.1
	2021 10.5		2016 11.0		2105 9.6		2142 10.7		2156 9.3	☉	2310 8.9
3	0305 2.0	18	0301 1.3	3	0346 2.8	18	0429 1.5	3	0439 3.1	18	0554 3.4
	0844 10.0		0841 10.7		0931 9.1		1009 10.2		1018 8.9		1133 8.5
SA	1516 2.3	SU	1519 1.7	TU	1559 3.1	W	1649 2.1	SU	1700 3.4	M	1824 3.9
	2052 10.0		2101 10.7		2140 9.2		2231 10.2		2236 8.8		
4	0334 2.5	19	0345 1.6	4	0421 3.2	19	0518 2.0	4	0520 3.6	19	0612 8.1
	0916 9.4		0927 10.2		1008 8.7		1059 9.7		1105 8.5		0655 4.1
SU	1546 2.9	M	1604 2.1	W	1637 3.6	TH	1740 2.6	M	1751 3.8	TU	1247 8.0
	2124 9.4		2148 10.2		2220 8.7	☉	2324 9.6	☉	2333 8.4		1943 4.2
5	0406 3.1	20	0433 2.0	5	0503 3.6	20	0611 2.5	5	0619 3.9	20	0144 7.8
	0951 8.7		1018 9.7		1055 8.3		1155 9.2		1215 8.2		0820 4.3
M	1620 3.5	TU	1654 2.6	TH	1725 3.9	F	1838 3.0	TU	1903 4.0	W	1421 8.0
	2201 8.7		2241 9.6	☉	2311 8.3			☉	2319 8.5		2112 4.1
6	0444 3.6	21	0527 2.5	6	0555 3.9	21	0625 9.1	6	0653 8.2	21	0311 8.1
	1035 8.2		1115 9.2		1155 8.0		0711 2.9		0741 3.9		0941 3.9
TU	1703 4.0	W	1753 3.0	F	1825 4.1	SA	1301 8.9	W	1344 8.4	TH	1536 8.5
	2250 8.2	☉	2344 9.2		1945 3.3				2029 3.7		2222 3.5
7	0535 4.1	22	0631 2.9	7	0659 4.0	22	0136 8.9	7	0723 8.5	22	0412 8.7
	1139 7.7		1223 8.9		0659 4.0		0819 3.1		0854 3.7		1043 3.3
W	1805 4.4	TH	1904 3.3	SA	1309 8.0	SU	1413 8.8	TH	1450 8.5	TH	1506 9.0
☉					1936 4.1		2056 3.2		2148 3.0	F	1630 9.2
8	0604 3.8	23	0658 9.0	8	0713 8.2	23	0248 8.9	8	0823 8.5	23	0500 9.3
	1158 8.2		0743 2.9		0811 3.8		0927 4.3		1005 3.4		1130 2.8
SU	1837 4.0	M	1331 8.4	SU	1418 8.4	M	1520 9.1	TU	1426 8.6	W	1556 8.9
			2021 3.7		2047 3.7		2203 3.0		2105 3.5		2243 3.2
9	0709 3.9	24	0743 2.9	9	0825 3.7	24	0330 8.5	9	0825 8.8	24	0430 9.0
	1311 8.2		0820 3.2		0825 3.7		1005 3.4		0939 3.2		1103 3.0
M	1311 8.2	TU	1450 8.5	TU	1426 8.6	W	1556 8.9	W	1532 9.2	TH	1649 9.4
	1950 3.9		2137 3.6		2105 3.5		2243 3.2		2213 2.8		2335 2.7
10	0825 8.3	25	0908 8.9	10	0913 8.1	25	0430 9.0	10	0255 8.8	25	0519 9.4
	1311 8.2		1043 8.8		1311 8.2		1103 3.0		0939 3.2		1152 2.6
M	1311 8.2	TU	1450 8.5	M	1311 8.2	TU	1450 8.5	W	1532 9.2	TH	1649 9.4
	1950 3.9		2137 3.6		1950 3.9		2137 3.6		2213 2.8		2314 2.1
11	0908 8.5	26	0942 8.7	11	0950 8.3	26	0519 9.4	11	0400 9.4	26	0519 9.4
	1311 8.2		1043 8.8		1025 8.3		1152 2.6		1043 2.6		1152 2.6
M	1311 8.2	TU	1450 8.5	M	1311 8.2	TU	1450 8.5	TH	1632 9.9	F	1734 9.8
	1950 3.9		2137 3.6		1950 3.9		2137 3.6		2314 2.1		2314 2.1
12	0950 8.3	27	1022 8.7	12	1014 8.4	27	0630 8.5	12	0440 9.4	27	0630 8.5
	1311 8.2		1130 2.8		1014 8.4		1005 3.4		1103 3.0		1130 2.8
TU	1450 8.5	W	1536 8.5	TU	1426 8.6	W	1556 8.9	W	1532 9.2	TH	1649 9.4
	2148 3.0		2314 2.9		2105 3.5		2243 3.2		2213 2.8		2357 2.5
13	1014 8.4	28	1042 8.7	13	1082 8.6	28	0700 9.3	13	0546 10.0	28	0540 9.8
	1311 8.2		1130 2.8		1014 8.4		1130 2.8		1126 2.0		1211 2.4
TU	1450 8.5	W	1536 8.5	TU	1426 8.6	W	1556 8.9	SA	1713 10.6	SU	1752 10.2
	2148 3.0		2314 2.9		2105 3.5		2243 3.2		2357 1.4		
14	1082 8.6	29	1130 2.8	14	1082 8.6	29	0825 3.7	14	0646 10.0	29	0648 10.4
	1311 8.2		1130 2.8		1082 8.6		1005 3.4		1022 2.8		1043 3.3
TU	1450 8.5	W	1536 8.5	TU	1426 8.6	W	1556 8.9	F	1614 9.8	SA	1714 9.2
	2148 3.0		2314 2.9		2105 3.5		2243 3.2		2255 2.2		2357 2.5
15	1139 7.7	30	1211 2.4	15	1142 8.4	30	0939 3.2	15	0825 8.8	30	0540 9.8
	1311 8.2		1211 2.4		1142 8.4		1103 3.0		1126 2.0		1211 2.4
W	1805 4.4	TH	1904 3.3	W	1805 4.4	TH	1649 9.4	SA	1713 10.6	SU	1752 10.2
☉				☉			2335 2.7		2357 1.4		
16	1215 8.2	31	1311 8.1	16	1215 8.2	31	1043 2.6	16	0944 10.7	31	0035 2.1
	1215 8.2		1311 8.1		1215 8.2		1152 2.6		10224 1.3		0615 10.1
TU	1903 4.0	W	1421 8.0	TU	1903 4.0	TH	1734 9.8	SU	1807 11.3	M	1248 2.1
	2112 4.1		2112 4.1		2112 4.1		2314 2.9	☉	1826 10.5	☉	1826 10.5
17	1215 8.2	31	1311 8.1	17	1215 8.2	31	1043 2.6	17	10224 1.3	31	0615 10.1
	1215 8.2		1311 8.1		1215 8.2		1152 2.6		10224 1.3		0615 10.1
TU	1903 4.0	W	1421 8.0	TU	1903 4.0	TH	1734 9.8	SU	1807 11.3	M	1248 2.1
	2112 4.1		2112 4.1		2112 4.1		2314 2.9	☉	1826 10.5	☉	1826 10.5

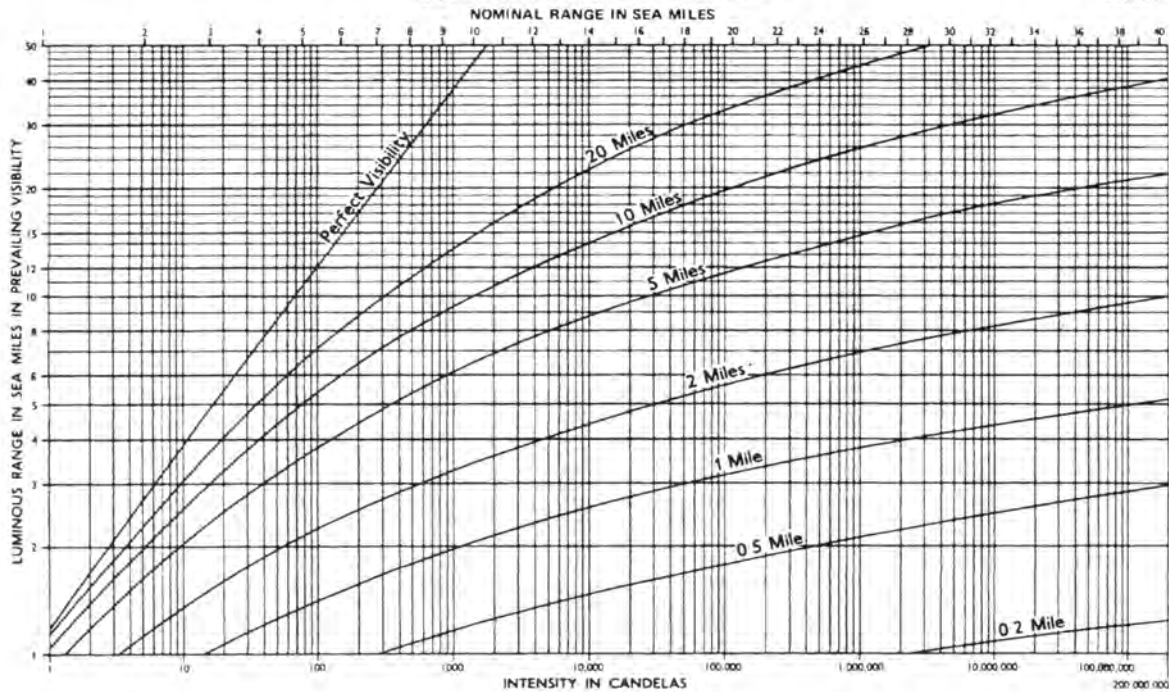
Chart Datum is 5.88 metres below Ordnance Datum (Local). HAT is 12.2 metres above Chart Datum.

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833

LUMINOUS RANGE DIAGRAM

HD574



GEOGRAPHICAL RANGE TABLE

HD5

Elevation in	Height of Eye of Observer in feet/metres																							
	Range in Sea Miles																							
ft	3	7	10	13	16	20	23	26	30	33	39	46	52	59	66	72	79	85	92	98	115	131	14	
m	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	35	40	4	
0	0	2.0	2.9	3.5	4.1	4.5	5.0	5.4	5.7	6.1	6.4	7.0	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.7	11.1	12.0	12.8	13
3	1	4.1	4.9	5.5	6.1	6.6	7.0	7.4	7.8	8.1	8.5	9.1	9.6	10.2	10.6	11.1	11.6	12.0	12.4	12.8	13.2	14.0	14.9	15
7	2	4.9	5.7	6.4	6.9	7.4	7.8	8.2	8.6	9.0	9.3	9.9	10.5	11.0	11.5	12.0	12.4	12.8	13.2	13.6	14.0	14.9	15.7	16
10	3	5.5	6.4	7.0	7.6	8.1	8.5	8.9	9.3	9.6	9.9	10.6	11.1	11.6	12.1	12.6	13.0	13.5	13.9	14.3	14.6	15.5	16.4	17
13	4	6.1	6.9	7.6	8.1	8.6	9.0	9.4	9.8	10.2	10.5	11.1	11.7	12.2	12.7	13.1	13.6	14.0	14.4	14.8	15.2	16.1	16.9	17
16	5	6.6	7.4	8.1	8.6	9.1	9.5	9.9	10.3	10.6	11.0	11.6	12.1	12.7	13.2	13.6	14.1	14.5	14.9	15.3	15.7	16.6	17.4	18
20	6	7.0	7.8	8.5	9.0	9.5	9.9	10.3	10.7	11.1	11.4	12.0	12.6	13.1	13.6	14.1	14.5	14.9	15.3	15.7	16.1	17.0	17.8	18
23	7	7.4	8.2	8.9	9.4	9.9	10.3	10.7	11.1	11.5	11.8	12.4	13.0	13.5	14.0	14.5	14.9	15.3	15.7	16.1	16.5	17.4	18.2	19
26	8	7.8	8.6	9.3	9.8	10.3	10.7	11.1	11.5	11.8	12.2	12.8	13.3	13.9	14.4	14.8	15.3	15.7	16.1	16.5	16.9	17.8	18.6	19
30	9	8.1	9.0	9.6	10.2	10.6	11.1	11.5	11.8	12.2	12.5	13.1	13.7	14.2	14.7	15.2	15.6	16.0	16.4	16.8	17.2	18.1	18.9	19
33	10	8.5	9.3	9.9	10.5	11.0	11.4	11.8	12.2	12.5	12.8	13.5	14.0	14.5	15.0	15.5	15.9	16.4	16.8	17.2	17.5	18.4	19.3	20
36	11	8.8	9.6	10.3	10.8	11.3	11.7	12.1	12.5	12.8	13.2	13.8	14.3	14.9	15.4	15.8	16.3	16.7	17.1	17.5	17.9	18.8	19.6	20
39	12	9.1	9.9	10.6	11.1	11.6	12.0	12.4	12.8	13.1	13.5	14.1	14.6	15.2	15.7	16.1	16.6	17.0	17.4	17.8	18.2	19.1	19.9	20
43	13	9.4	10.2	10.8	11.4	11.9	12.3	12.7	13.1	13.4	13.7	14.4	14.9	15.4	15.9	16.4	16.8	17.3	17.7	18.1	18.4	19.3	20.2	20
46	14	9.6	10.5	11.1	11.7	12.1	12.6	13.0	13.3	13.7	14.0	14.6	15.2	15.7	16.2	16.7	17.1	17.6	18.0	18.3	18.7	19.6	20.4	21
49	15	9.9	10.7	11.4	11.9	12.4	12.8	13.2	13.6	14.0	14.3	14.9	15.5	16.0	16.5	17.0	17.4	17.8	18.2	18.6	19.0	19.9	20.7	21
52	16	10.2	11.0	11.6	12.2	12.7	13.1	13.5	13.9	14.2	14.5	15.2	15.7	16.2	16.7	17.2	17.7	18.1	18.5	18.9	19.2	20.1	21.0	21
56	17	10.4	11.2	11.9	12.4	12.9	13.3	13.7	14.1	14.5	14.8	15.4	16.0	16.5	17.0	17.4	17.9	18.3	18.7	19.1	19.5	20.4	21.2	22
59	18	10.6	11.5	12.1	12.7	13.2	13.6	14.0	14.4	14.7	15.0	15.7	16.2	16.7	17.2	17.7	18.1	18.6	19.0	19.4	19.7	20.6	21.5	22
62	19	10.9	11.7	12.4	12.9	13.4	13.8	14.2	14.6	14.9	15.3	15.9	16.5	17.0	17.5	17.9	18.4	18.8	19.2	19.6	20.0	20.9	21.7	22
66	20	11.1	12.0	12.6	13.1	13.6	14.1	14.5	14.8	15.2	15.5	16.1	16.7	17.2	17.7	18.2	18.6	19.0	19.4	19.8	20.2	21.1	21.9	22
72	22	11.6	12.4	13.0	13.6	14.1	14.5	14.9	15.3	15.6	15.9	16.6	17.1	17.7	18.1	18.6	19.1	19.5	19.9	20.3	20.7	21.5	22.4	23
79	24	12.0	12.8	13.5	14.0	14.5	14.9	15.3	15.7	16.0	16.4	17.0	17.6	18.1	18.6	19.0	19.5	19.9	20.3	20.7	21.1	22.0	22.8	23
85	26	12.4	13.2	13.9	14.4	14.9	15.3	15.7	16.1	16.4	16.8	17.4	18.0	18.5	19.0	19.4	19.9	20.3	20.7	21.1	21.5	22.4	23.2	24
92	28	12.8	13.6	14.3	14.8	15.3	15.7	16.1	16.5	16.8	17.2	17.8	18.3	18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.9	22.8	23.6	24
98	30	13.2	14.0	14.6	15.2	15.7	16.1	16.5	16.9	17.2	17.5	18.2	18.7	19.2	19.7	20.2	20.7	21.1	21.5	21.9	22.2	23.1	24.0	24
115	35	14.0	14.9	15.5	16.1	16.6	17.0	17.4	17.8	18.1	18.4	19.1	19.6	20.1	20.6	21.1	21.5	22.0	22.4	22.8	23.1	24.0	24.9	25
131	40	14.9	15.7	16.4	16.9	17.4	17.8	18.2	18.6	18.9	19.3	19.9	20.4	21.0	21.5	21.9	22.4	22.8	23.2	23.6	24.0	24.9	25.7	26
148	45	15.7	16.5	17.1	17.7	18.2	18.6	19.0	19.4	19.7	20.0	20.7	21.2	21.7	22.2	22.7	23.2	23.6	24.0	24.4	24.7	25.6	26.5	27
164	50	16.4	17.2	17.9	18.4	18.9	19.3	19.7	20.1	20.5	20.8	21.4	22.0	22.5	23.0	23.4	23.9	24.3	24.7	25.1	25.5	26.4	27.2	28
180	55	17.1	17.9	18.6	19.1	19.6	20.0	20.4	20.8	21.2	21.5	22.1	22.7	23.2	23.7	24.1	24.6	25.0	25.4	25.8	26.2	27.1	27.9	28
197	60	17.8	18.6	19.3	19.8	20.3	20.7	21.1	21.5	21.8	22.2	22.8	23.3	23.9	24.3	24.8	25.3	25.7	26.1	26.5	26.9	27.7	28.6	29
213	65	18.4	19.2	19.9	20.4	20.9	21.4	21.7	22.1	22.5	22.8	23.4	24.0	24.5	25.0	25.5	25.9	26.3	26.7	27.1	27.5	28.4	29.2	30
230	70	19.0	19.9	20.5	21.1	21.5	22.0	22.4	22.7	23.1	23.4	24.0	24.6	25.1	25.6	26.1	26.5	26.9	27.4	27.7	28.1	29.0	29.8	30
246	75	19.6	20.5	21.1	21.7	22.1	22.6	23.0	23.3	23.7	24.0	24.6	25.2	25.7	26.2	26.7	27.1	27.5	27.9	28.3	28.7	29.6	30.4	31

Channel Islands

		N/W		metres miles				
GUERNSEY—(contd)								
1558	-- Ldg Lts 286°. Front. S Pier. Head	49 28.9 2 30.8	F R	3	5	Post	2	Vis 230°-340°(110°)
1558.1	--- Rear. 390m from front	49 29.0 2 31.0	F G	13		Clock tower	12	2 F R (vert) on 2 chimneys 300m N
1559	- Brehon	49 28.3 2 29.2	Iso W 4s	19	9	Beacon on round tower		
1560	- ST PETER PORT. Ldg Lts 220°. Castle Breakwater. Head. Front	49 27.4 2 31.4	Al WR 10s	14	16	Dark round granite tower, white on NE side	12	<i>lt</i> W7.5, R2.5. Vis 187°-007°(180°). Unintens landward. RC (synchronised with fog signal) <i>bl</i> 2.5
			Horn 15s					
1560.1	--- Belvedere. Rear	49 26.9 2 31.9	Oc W 10s	61	14	White □, orange stripe, on white tower	4	<i>ec</i> 2.5. Vis 179°-269°(90°), intens 217°-223°(6°)
1562	-- White Rock Pier. Head	49 27.4 2 31.5	Oc G 5s	11	14	Round stone tower	10	<i>ec</i> 1. Intens 174°-354°(180°). Traffic signals
1567	-- Fish Quay. NW end	49 27.3 2 31.8	F R		2			
1567.2	--- SW end	49 27.3 2 31.9	F R		2			
1569	- Victoria Marina. Ldg Lts 265°. Front. South Pier. Head	49 27.4 2 31.9	Oc R 5s	10	14	White framework tower, red lantern	7	<i>ec</i> 1
1569.1	---- Rear. 160m from front	49 27.4 2 32.1	Iso R 2s	22	3			Vis 260°-270°(10°)
1570	-- Queen Elizabeth II Marina. Dir Lt 270°	49 27.8 2 31.8	Dir Oc WRG 3s	5	6			G258°-268°(10°), W268°-272°(4°), R272°-282°(10°)
1574	- St Martin's Point	49 25.3 2 31.7	Fl(3)WR 10s	15	14	Flat-roofed white concrete building	5	<i>fl</i> 1, <i>ec</i> 1.5, <i>fl</i> 1, <i>ec</i> 1.5, <i>fl</i> 1, <i>ec</i> 4. R185°-191°(6°), W191°-011°(180°), R011°-081°(70°) <i>bl</i> 1, <i>si</i> 2.5, <i>bl</i> 1, <i>si</i> 2.5, <i>bl</i> 1, <i>si</i> 22
			Horn(3) 30s					
1580	- Les Hanois (T)	49 26.2 2 42.1	Fl(2)W 13s	33	20	Grey round granite tower, black lantern	33	<i>fl</i> 0.1, <i>ec</i> 3.1, <i>fl</i> 0.1, <i>ec</i> 9.7. Vis 294°-237°(303°). Helicopter landing platform above lantern. 4 F R on masts 1.7M ESE <i>bl</i> 3, <i>si</i> 2, <i>bl</i> 3, <i>si</i> 52
			Horn(2) 60s					
JERSEY								
1584	- Sorel Point	49 15.7 2 09.4	LFI WR 7.5s	50	15	Black and white chequered round concrete tower	3	<i>fl</i> 2, W095°-112°(17°), R112°-173°(61°), W173°-230°(57°), R230°-269°(39°), W269°-273°(4°), F R lights on radio tower 1.25M ESE
1585	- Bonne Nuit Bay. Ldg Lts 223°. Pier. Head. Front	49 15.1 2 07.0	F G	7	6	White column		
1585.1	--- Rear. 170m from front	49 15.1 2 07.2	F G	34	6	Red day mark		
1585.5	- Rozel Bay. Dir Lt 245°	49 14.3 2 02.7	Dir F WRG	11	5	White column		G240°-244°(4°), W244°-246°(2°), R246°-250°(4°)
1586	- St Catherine Bay. Verclut Breakwater. Head	49 13.4 2 00.5	Fl W 1.5s	18	13	White framework tower	9	<i>fl</i> 0.2
1588	- GOREY. Ldg Lts 298°. Pier. Head. Front	49 11.9 2 01.3	Oc RG 5s	8	12	White metal framework tower	5	<i>ec</i> 1. R304°-353°(49°), G353°-304°(311°)
1588.1	--- Rear. 490m from front	49 12.0 2 01.6	Oc R 5s	24	8	White, □ orange sides, on stone wall	1	<i>ec</i> 1
1594	- Ldg Lts 082°. La Grève d'Azette. Front	49 10.2 2 05.0	Oc W 5s	23	14	Red □ on white metal framework tower	20	<i>ec</i> 1. Vis 034°-129°(95°)

Channel Islands

		N/W	metres miles			
JERSEY—(contd)						
1616	- Noirmont Point	49 10-0 2 10-0	Fl(4)W 12s	18 13	Black tower, white band 10	<i>fl 0-7, ec 1-5</i> × 3, <i>fl 0-7, ec 4-7</i>
1620	- La Corbière	49 10-8 2 14-9	Iso WR 10s Horn Mo(C) 60s	36 W18 R16	White round stone tower 19	W shore-294°, R294°-328°(34°), W328°-148°(180°), R148°-shore. RC <i>bl 3, si 1, bl 1, si 1, bl 3, si 1, bl 1, si 49</i>
1621	--	49 10-9 2 14-3	F R	Vis 331°-151°(180°), except where obscured by 2 buildings
1622	- Grosnez Point	49 15-5 2 14-7	Fl(2)WR 15s	50 W19 R17	White concrete hut	<i>fl 0-7, ec 1-5, fl 0-8, ec 12, W081°-188°(107°), R188°-241°(53°)</i>
1625	- NW Minquiers (T)	48 59-7 2 20-5	Q W Bell	.. 5	≡ on yellow buoy, black top	Wave activated
1626	- SW Minquiers (T)	48 54-4 2 19-3	Q(9)W 15s Whis	.. 5	≡ on yellow buoy, black band	Wave activated

France — North Coast

DIELETTE						
1632	- Breakwater. W	49 33-2 1 51-7	Iso WRG 4s	12 W10 R 7 G 7	White tower, green top 11	G070°-135°(65°), W135°-145°(10°), R145°-180°(35°)
1632-1	-- Head	49 33-2 1 51-7	Fl G 4s	6 2	Vis 115°-358°(243°)
1632-2	-- N. Head	49 33-3 1 51-7	Fl R 4s	8 5	White metal mast, red top 6	
1632-3	- Basin corner	49 33-2 1 51-6	Fl(2)R 6s	6 1	Metal post 3	<i>fl 0-2, ec 1-4, fl 0-2, ec 4-2</i>
1632-4	--	49 33-2 1 51-6	Fl(2)G 6s	6 2	<i>Vis 115°-358°(243°)</i>
1638	Cap de Carteret - 180m SW	49 22-4 1 48-4	Fl(2+1)W 15s Horn(3) 60s	81 26	Grey tower, green top 18	<i>fl 0-3, ec 2-3, (fl 0-3, ec 5-9) × 2, Sig Sm. R lights on pylon 80m NNE bl 2, si 3, bl 2, si 3, bl 2, si 48</i>
CARTERET						
1640	- Jetée Ouest. Head	49 22-1 1 47-2	Oc R 4s	7 7	White metal post, red top 3	<i>ec 1</i>
1641	- Training Wall. Head	49 22-2 1 47-2	Fl G 2-5s	4 2	White metal post, green top 3	<i>fl 0-5</i>
1642	-	49 22-6 1 47-1	Fl(2)R 6s	5 1	Red metal pylon 3	<i>fl 0-2, ec 1-4, fl 0-2, ec 4-2</i>
1642-2	-	49 22-6 1 47-1	Fl(2)G 6s	5 1	Green metal pylon 3	<i>fl 0-2, ec 1-4, ec 0-2, ec 4-2</i>
1643	-	49 22-7 1 46-7	Fl(3)R 12s	Red metal pylon 3	<i>fl 1, ec 1-5, fl 1, ec 1-5, fl 1, ec 6</i>
1643-2	-	49 22-7 1 46-7	Fl(3)G 12s	Green metal pylon 3	<i>fl 1, ec 1-5, fl 1, ec 1-5, fl 1, ec 6</i>
PORT DE PORTBAIL						
1644	- Ldg Lts 042°. La Caillourie. Front	49 19-8 1 42-5	Q W	14 10	White pylon, red top 8	
1644-1	-- Rear. 870m from front	49 20-2 1 41-9	Oc W 4s	20 10	Belfry 35	<i>ec 1</i>
1646	- Training wall. Head	49 19-5 1 43-0	Q(2)R 5s	5 1	White mast, red top 7	<i>fl 0-2, ec 0-8, fl 0-2, ec 3-8</i>
1648	Le Sénéquet	49 05-5 1 39-7	Fl(3)WR 12s	18 W13 R10	White tower 26	<i>fl 1, ec 1-5, fl 1, ec 1-5, fl 1, ec 6, R083-5°-116-5°(33°), W116-5°-083-5°(327°), R lights on mast 7M NE</i>

Ablenkungstabelle

MgK resp. mwK	Ablenkung
0	-2
10	+1
20	+3
30	+5
40	+7
50	+8
60	+9
70	+10
80	+10
90	+10
100	+9
110	+8
120	+7
130	+6
140	+6
150	+5
160	+4
170	+3
180	+2
190	+2
200	+1
210	-1
220	-2
230	-3
240	-4
250	-5
260	-6
270	-8
280	-9
290	-9
300	-10
310	-10
320	-9
330	-8
340	-6
350	-4
360	-2