

develops along the island's southern shore... a straightforward arrival.

9.19.8 BRAYE HARBOUR

Alderney 49°43'·77N 02°11'·51W

CHARTS AC 2669, 3653, 60, 2845, 5604.7/8; SHOM 7158, 6934; Navi 1014; Imray C33A, 2500

TIDES -0400 Dover; ML 3·5; Duration 0545

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 BRAYE					
+0050	+0040	+0025	+0105	-4·8	-3·4
				-1·5	-0·5

SHELTER Good, but exposed to strong N/NE'lies. \updownarrow s as charted; good holding on sand, but only fair on rock or weed. Keep clear of the fairway and jetty due to steamer traffic. No berthing/landing on Admiralty bkwr; beware submerged 3ca extension.

NAVIGATION WPT 49°44'·08N 02°11'·18W, 215°/0.82M to front 215° ldg lt (see Lts and Marks below). Hbr speed limit 4kn.

The safest appr is from the NE. In fog or limited visibility the HM can give small craft radar assistance and RDF bearings HO. Caution: Strong tidal streams, eddies, overfalls and many rocks.

To avoid dangerous overfalls in certain wind and tide conditions take the Swinge and Alderney Race at/near slack water; this is approx HW Braye +2½ & LW +2½ (or HW St Helier +3½ and -3). The Swinge is often calmest near Corbet Rk. At mid-flood (NE-going) a strong eddy flows SW past the hbr ent.

Off NE end of the island give Brinchetais Ledge and Race Rk a wide berth to avoid heavy overfalls. On the S side during the ebb, a strong eddy sets NE close inshore of Coque Lihou.

LIGHTS AND MARKS Hbr ldg lts 215°, both Q synch; co-located daymarks, both W cols, orange Δ s. Old Hbr white bcn and St Anne's church spire \neq 210·5° remains useful in daylight. Little Crabby Hbr has FR and FG.

From NW, N side of Fort Albert and hd of Admiralty Bkwr \neq 115·5° clears the Nannels (NE of Burhou). Château à l'Étoc lt ho and Quenard Pt lt ho \neq 111·1° clears sunken ruins of Admiralty Bkwr. The Bkwr head is lit and painted with B/W vertical stripes.

Other conspic marks: Water twr W of St Anne's and two lattice masts (R lts) E of it. 2ca SW of Quenard Pt lt ho a blockhouse is conspic. See chartlets and Lights, buoys and waypoints.

COMMUNICATIONS (Code 01481) Recorded forecasts see Chapter 6; Alderney Coastguard /Port Control Ch 74, 16, 67 (May and Sept, 0800-1700, daily; June to Aug 0800-2000 daily; Oct to Apr, 0800-1700, Mon-Fri: all LT) at other times call Guernsey Coastguard VHF Ch 16, 20; Police 824999; 822822; Dr 822077; Info 823737 (H24); Visitor Information Centre 823737; HM 822620.

FACILITIES 70 Y \updownarrow s (£15 the Admiralty bkwr and Toulouse Rock. Orange b check suitability of \updownarrow with

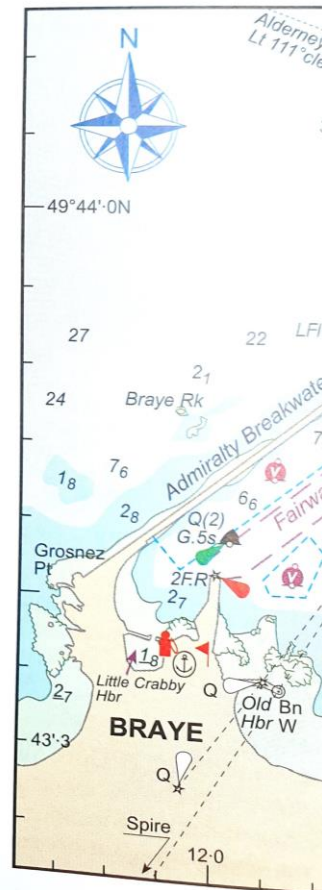
HM (aka CG & \ominus): sailalderney.com/harbour

Commercial Quay \updownarrow \updownarrow \updownarrow

Little Crabby Hbr Access at VHF Ch 37 Mainbrayce, ACA \updownarrow \updownarrow . Water taxi ca above, £1·50 each way till

Alderney SC 822758, \updownarrow

Town (St Anne) \updownarrow \updownarrow \updownarrow \updownarrow other connections via Gu Poole and St Malo.



Calais

9.17.9 CALAIS

Pas de Calais 50°58'·33N 01°50'·42E 🌊🌊🌊🌊

CHARTS AC 1892, 323, 1351, 5605.10; SHOM 7323, 6651, 7258; Navi 1010; Imray C8

TIDES +0048 Dover; ML 4·0; Duration 0525

Standard Port DUNKERQUE (←)

Times	Height (metres)						
	High Water		Low Water		MHWS	MHWN	MLWN
0200	0800	0200	0900	6·0	5·0	1·5	0·6
1400	2000	1400	2100				
Differences CALAIS							
-0020	-0030	-0015	-0005	+1·3	+1·0	+0·5	+0·2
SANDETTIE BANK (11M N of Calais)							
-0010	-0015	-0015	-0010	-0·6	-0·6	-0·2	-0·1
WISSANT (8M WSW of Calais)							
-0035	-0050	-0030	-0010	+2·0	+1·5	+0·9	+0·4

SHELTER Very good in the marina (Bassin de l'Ouest, 3-6m). In strong NW-NE winds hbr ent is very rough with heavy swell; access H24. 22 W waiting buoys outside tidal gate (times below).

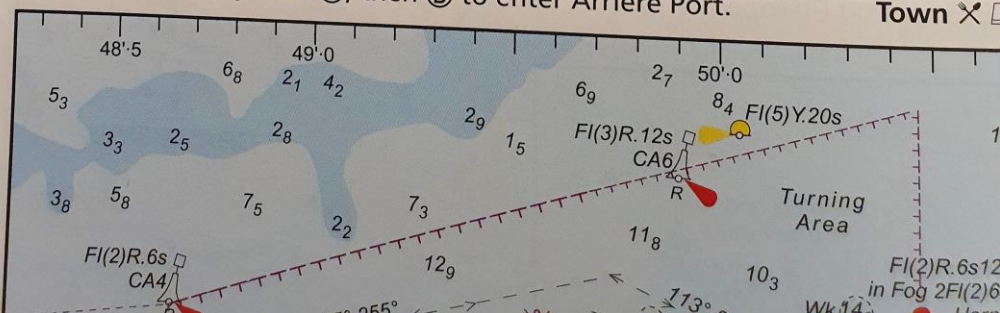
NAVIGATION WPT 50°57'·64N 01°46'·14E (CA 1 buoy) 077°/2·7M to Jetée Ouest hd, keeping clear to the S of ferry track 083°/263°.

Beware Ridens de la Rade, about 4ca N of ent, a sandbank (0·1m) on which seas break. From the E it is better to keep N of this bank until able to round CA4 PHM It buoy and appr from the W. But, with sufficient rise of tide, Ridens can be crossed on a SW'ly track.

Byelaws require yachts to have engine running (even if sailing) and to keep clear of ferries/commercial vessels. Speed limits: Avant-Port & Bassin Est 10kn; Arrière-Port 8kn; elsewhere 5kn.

LIGHTS AND MARKS Conspic daymarks: Cap Blanc-Nez and Dover Patrol monument, 5·5M WSW of hbr ent; the lt ho(W, B top) in town centre; two silos on N side of Bassin Est; RAW chimney (78m) 700m SE of Bassin Est; Hbr Control in pyramidal bldg at ent to Arrière Port. Lts as chartlet and Lights, buoys & waypoints.

IPTS (full code) shown from (A) (Jetée Est) (B) and (C) as on chartlet, must be strictly obeyed; no VHF chatter should be necessary. On arrival, first comply with (A), then (B) to enter Arrière Port.



If no sigs are exit. Or follow fairway and especially for One ● (along) On leaving, are often cl

Bassin de l'Ouest (CD) stays open 24h. The co-located +2½. Time posted on de l'Ouest been removed water over

Bassin Carrière to HW +¾. sound 2 bl

COMMUNICATIONS VHF Ch 17 lock (occasional) Ch 13 79 1 + 10, also: Gris Nez V Auto 08·9 Consul 01· Aff Mar 0.

FACILITIES marina@calais 1st to stb YC ☎03·2 call Calais Town ✕

9.3.13 DOVER

Kent $51^{\circ}06'.74N$ $01^{\circ}19'.73E$ (W ent) 🚫🚫🚫👍👍👍🌸
 $51^{\circ}07'.25N$ $01^{\circ}20'.61E$ (E ent)

CHARTS AC 5605, 1892, 1828, 1698; Imray C30, C12, C8, 2100

TIDES 0000 Dover; ML 3.7; Duration 0505

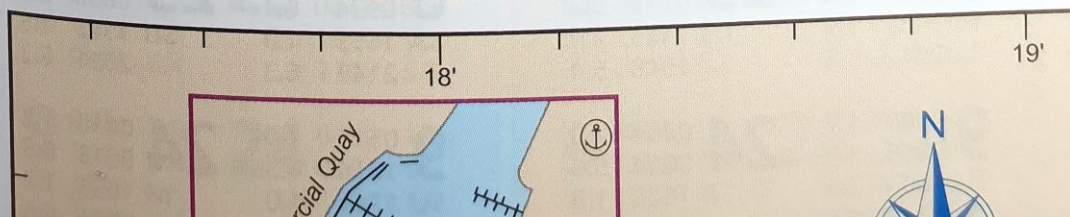
Standard Port DOVER (→)

Times					Height (metres)			
	High Water		Low Water		MHWS	MHWN	MLWN	MLWS
0000	0600	0100	0700	6.8	5.3	2.1	0.8	
1200	1800	1300	1900					
Differences DEAL								
+0012	+0010	+0004	+0002	-0.5	-0.3	0.0	+0.1	

SHELTER Very good in marina. ⚓ in outer harbour only with permission of Port Control in winds <30kn and moderate seas. Tenable in offshore winds, but exposed to winds from NE through S to SW. Small craft must not be left unattended at ⚓.

NAVIGATION WPT from SW, $51^{\circ}06'.18N$ $01^{\circ}19'.67E$, 000°/0.5M to Admiralty Pier Lt ho. WPT from NE, $51^{\circ}07'.30N$ $01^{\circ}21'.41E$, 270°/0.5M to S end Eastern Arm. Beware overfalls outside the bkwtrs and the frequent ferries and high speed craft using both ents. Strong tides across ents and high walls make ent under sail slow and difficult; use of engine is very strongly recommended.

- **Specific permission** to ent/leave the hbr via E or W ent must first be obtained from Port Control on Ch 74; Call *Port Control* when 2M off and comply with instructions from Port Control or hbr patrol launch. Clearance for small/slow craft is not normally given until within 200m of ent. Visitors are welcomed and usually escorted by hbr launch to the marina.
- All vessels with a draught > 2.5m wishing to visit the marina must inform Dover Port Control, Ch 74, prior to entry as must yachts without engine/power.
- **If no VHF:** Stay safe distance clear of either entrance, call Port Control +44(0)1304 241669 or make visual contact (lamp) with Port Control (E Arm) who may direct Hbr launch to assist.



AREA 3 – SE England

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

DOVER LAT 51°07'N LONG 1°19'E
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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

YEAR 2017

MAY		JUNE		JULY		AUGUST	
Time	m	Time	m	Time	m	Time	m
1 0201 6.7		1 0347 6.0		1 0417 5.8		1 0009 2.0	
0933 1.0		1112 1.6		1136 1.7		0533 5.4	
M 1430 6.5		TH 1612 6.0		SA 1638 6.0		TU 1234 2.2	
2154 1.1		⊙ 2343 1.5		⊙ 2300 1.5		1756 5.5	
16 0133 6.0		16 0239 5.9		16 0308 6.0		16 0450 5.7	
0857 1.4		1002 1.7		1027 1.5		1200 1.9	
TU 1352 6.1		F 1509 6.0		SU 1538 6.2		W 1730 5.8	
2117 1.5		⊙ 2231 1.7					
2 0258 6.3		2 0451 5.7		2 0008 1.6		2 0113 2.1	
1023 1.4		1213 1.8		0517 5.6		0642 5.3	
TU 1530 6.1		F 1716 5.8		SU 1232 1.9		W 1345 2.3	
2250 1.4		⊙ 2330 1.8		1738 5.7		1907 5.4	
17 0209 5.9		17 0336 5.7		17 0406 5.8		17 0046 1.9	
0935 1.7		1051 1.8		1121 1.7		0628 5.6	
W 1434 5.9		SA 1610 5.8		M 1641 6.0		TH 1322 2.0	
2159 1.8		⊙ 2330 1.8				1902 5.8	
3 0404 5.9		3 0046 1.7		3 0105 1.8		3 0218 2.1	
1124 1.7		0609 5.5		0626 5.4		0751 5.4	
W 1636 5.8		SA 1318 1.9		M 1333 2.0		TH 1452 2.1	
⊙ 2358 1.7		1830 5.7		1848 5.6		2017 5.5	
18 0258 5.6		18 0449 5.6		18 0002 1.7		18 0208 1.8	
1020 1.9		1157 1.9		0521 5.7		0749 5.7	
TH 1532 5.6		SU 1723 5.8		TU 1232 1.8		F 1441 1.8	
⊙ 2252 2.0				1756 5.9		2019 6.0	
4 0521 5.6		4 0152 1.7		4 0204 1.8		4 0318 1.9	
1238 2.0		0728 5.5		0735 5.5		0850 5.7	
TH 1753 5.6		SU 1423 1.8		TU 1435 2.0		F 1549 1.8	
⊙ 1119 2.1		1944 5.8		1957 5.7		2113 5.8	
19 0415 5.4		19 0044 1.8		19 0116 1.7		19 0326 1.6	
1119 2.1		0612 5.7		0647 5.7		0855 6.0	
F 1659 5.5		M 1315 1.8		W 1349 1.8		SA 1558 1.4	
⊙ 1119 2.1		1837 5.9		1914 6.0		2124 6.3	
5 0114 1.8		5 0255 1.6		5 0303 1.8		5 0411 1.7	
0657 5.5		0827 5.7		0834 5.6		0937 5.9	
F 1355 1.9		M 1525 1.7		W 1533 1.8		SA 1639 1.6	
1921 5.6		2042 5.9		2056 5.8		2155 6.0	
20 0008 2.1		20 0154 1.6		20 0228 1.6		20 0447 1.3	
0553 5.4		0827 5.7		0759 5.9		0951 6.4	
SA 1249 2.1		M 1525 1.7		TH 1459 1.6		SU 1711 1.1	
1819 5.6		2042 5.9		2023 6.2		2220 6.5	
6 0231 1.6		6 0354 1.4		6 0357 1.6		6 0458 1.4	
0813 5.7		0914 5.9		0923 5.9		1015 6.2	
SA 1511 1.7		TU 1620 1.5		TH 1625 1.6		SU 1722 1.3	
2028 5.9		2129 6.1		2143 6.0		2230 6.2	
21 0131 1.9		21 0258 1.3		21 0337 1.3		21 0551 1.0	
0700 5.6		0817 6.1		0900 6.2		1039 6.7	
SU 1404 1.9		W 1526 1.4		F 1607 1.3		M 1811 0.8	
1922 5.9		2038 6.4		2124 6.4		● 2306 6.7	
7 0344 1.4		7 0444 1.3		7 0444 1.5		7 0540 1.3	
0907 5.9		0954 6.1		1004 6.1		1050 6.4	
SU 1615 1.4		W 1706 1.4		F 1709 1.4		M 1803 1.2	
2118 6.2		2211 6.2		2223 6.1		⊙ 2304 6.3	
22 0235 1.6		22 0400 1.1		22 0449 1.1		22 0644 0.8	
0755 5.9		0910 6.4		0956 6.5		1122 6.9	
M 1504 1.5		TH 1627 1.1		SA 1715 1.0		TU 1902 0.6	
2015 6.2		2131 6.6		2220 6.6		2347 6.8	
8 0442 1.2		8 0526 1.2		8 0526 1.3		8 0621 1.2	
0948 6.1		1031 6.2		1042 6.2		1123 6.5	
M 1705 1.2		TH 1744 1.3		SA 1748 1.3		TU 1843 1.1	
2200 6.4		2249 6.3		2257 6.2		2338 6.4	
23 0333 1.2		23 0503 0.9		23 0557 0.9		23 0729 0.7	
0844 6.3		1001 6.6		1046 6.7		1202 7.0	
TU 1600 1.2		F 1728 0.9		SU 1818 0.8		W 1946 0.5	
2103 6.5		2223 6.8		● 2311 6.8			
9 0529 1.0		9 0600 1.2		9 0604 1.3		9 0701 1.1	
1024 6.3		1107 6.3		1116 6.3		1156 6.6	
TU 1746 1.1		F 1817 1.2		SU 1825 1.2		W 1923 1.0	
2238 6.5		⊙ 2323 6.3		⊙ 2330 6.2		2358 6.8	
24 0430 1.0		24 0606 0.7		24 0654 0.7		24 0025 6.8	
0931 6.6		1051 6.8		1133 6.9		0807 0.7	
W 1654 1.0		SA 1826 0.7		M 1914 0.6		TH 1242 7.0	
2150 6.8		● 2314 6.9		2358 6.8		2024 0.6	
10 0606 1.0		10 0632 1.2		10 0641 1.2		10 0011 6.5	
1058 6.4		1141 6.4		1149 6.4		0738 1.1	
W 1821 1.1		SA 1847 1.2		M 1902 1.2		TH 1229 6.7	
⊙ 2314 6.5		2355 6.3				2001 1.0	
25 0527 0.7		25 0702 0.6		25 0744 0.7		25 0103 6.7	
1016 6.8		1140 6.9		1217 7.0		0840 0.9	
TH 1748 0.7		SU 1921 0.6		TU 2003 0.5		F 1321 6.9	
● 2237 7.0		2355 6.3				2057 0.8	
11 0638 1.0		11 0703 1.2		11 0002 6.3		11 0044 6.5	
1132 6.5		1212 6.4		0718 1.2		0814 1.1	
TH 1850 1.1		SU 1919 1.2		TU 1220 6.4		F 1303 6.7	
2349 6.5		2011 0.5		1939 1.1		2037 1.0	
26 0621 0.6		26 0003 6.9		26 0042 6.8		26 0141 6.5	
1102 6.9		0753 0.6		0827 0.7		0908 1.1	
F 1840 0.6		M 1228 6.9		W 1301 7.0		SA 1359 6.7	
2323 7.0		2011 0.5		2046 0.5		2127 1.0	
12 0704 1.0		12 0024 6.2		12 0033 6.3		12 0118 6.5	
1205 6.5		0735 1.2		0755 1.2		0849 1.1	
F 1914 1.1		M 1241 6.3		W 1251 6.4		SA 1340 6.7	
		1953 1.2		2017 1.2		2113 1.1	
27 0712 0.5		27 0053 6.8		27 0125 6.7		27 0219 6.3	
1148 7.0		0839 0.7		0906 0.8		0933 1.3	
SA 1929 0.5		TU 1316 6.9		TH 1344 6.9		SA 1340 6.7	
		2058 0.6		2125 0.7		2113 1.1	
13 0020 6.4		13 0051 6.2		13 0104 6.2		13 0157 6.4	
0728 1.1		0808 1.3		0831 1.2		0925 1.2	
SA 1236 6.4		TU 1308 6.3		TH 1324 6.4		SU 1422 6.6	
1939 1.1		2028 1.3		2054 1.2		2150 1.2	
28 0011 7.0		28 0141 6.6		28 0208 6.5		28 0300 6.0	
0759 0.6		0923 0.9		0941 1.0		0956 1.6	
SA 1237 6.9		W 1404 6.7		F 1427 6.7		M 1519 6.1	
2016 6.6		2143 0.8		2202 1.0		2220 1.7	
14 0046 6.3		14 0119 6.1		14 0139 6.2		14 0243 6.3	
0754 1.2		0843 1.4		0907 1.3		1005 1.4	
SA 1300 6.3		W 1339 6.2		F 1401 6.4		M 1511 6.4	
2008 1.2		2105 1.4		2131 1.3		2234 1.4	
29 0100 6.9		29 0231 6.4		29 0253 6.2		29 0348 5.7	
0844 0.7		1005 1.1		1014 1.3		1028 2.0	
SU 1300 6.3		TH 1453 6.5		SA 1512 6.4		TU 1609 5.7	
2103 0.7		2228 1.0		2238 1.3		● 2258 2.1	
15 0107 6.2		15 0155 6.0		15 0219 6.2		15 0337 6.0	
0824 1.3		0920 1.5		0944 1.4		1054 1.6	
M 1322 6.2		TH 1419 6.1		SA 1446 6.3</			

Dunkerque tides

DUNKERQUE LAT 51°03'N LONG 2°22'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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

Dates in red are **leap years**
 Dates in blue are **leap seconds**

MAY		JUNE		JULY		AUGUST			
Time	m	Time	m	Time	m	Time	m		
1	0352 6.0 1058 0.7 M 1626 5.7 2321 0.7	16	0341 5.5 1031 1.1 TU 1558 5.3 2251 1.1	1	0006 0.8 0538 5.5 TH 1239 1.2 1810 5.3	16	0456 5.3 1137 1.3 F 1714 5.1	1	0139 1.4 0723 4.9 TU 1412 1.7 1957 4.9
2	0451 5.8 1153 1.0 TU 1725 5.4	17	0425 5.2 1110 1.3 W 1645 5.1 2334 1.3	2	0109 1.0 0648 5.3 F 1345 1.4 1924 5.1	17	0004 1.1 0550 5.2 SA 1229 1.3 1812 5.1	2	0244 1.5 0835 4.8 W 1524 1.7 2108 4.9
3	0021 0.9 0555 5.4 W 1300 1.3 1834 5.1	18	0521 5.0 1159 1.5 TH 1748 4.9	3	0216 1.1 0804 5.1 SA 1454 1.4 2035 5.1	18	0101 1.2 0649 5.1 SU 1333 1.4 1914 5.1	3	0354 1.6 0941 4.8 TH 1636 1.6 2211 5.0
4	0132 1.1 0715 5.2 TH 1417 1.4 1959 5.0	19	0028 1.4 0625 4.9 F 1259 1.6 1853 4.8	4	0325 1.1 0909 5.2 SU 1601 1.3 2134 5.2	19	0211 1.2 0752 5.2 M 1447 1.3 2018 5.2	4	0502 1.5 1039 5.0 F 1737 1.3 2305 5.2
5	0249 1.2 0840 5.1 F 1534 1.4 2114 5.1	20	0135 1.4 0730 4.9 SA 1414 1.6 2000 4.9	5	0428 1.0 1003 5.3 M 1659 1.2 2224 5.3	20	0325 1.0 0858 5.4 TU 1558 1.2 2123 5.4	5	0556 1.3 1128 5.3 SA 1822 1.1 2351 5.4
6	0404 1.1 0946 5.3 SA 1641 1.2 2212 5.2	21	0254 1.3 0838 5.1 SU 1532 1.4 2106 5.1	6	0523 1.0 1051 5.4 TU 1748 1.1 2310 5.4	21	0431 0.9 1001 5.6 W 1701 0.9 2223 5.6	6	0637 1.1 1208 5.5 SU 1900 0.9
7	0506 0.9 1038 5.4 SU 1735 1.0 2259 5.4	22	0406 1.1 0942 5.4 M 1637 1.1 2204 5.4	7	0608 0.9 1133 5.5 W 1829 1.0 2351 5.5	22	0530 0.7 1057 5.8 TH 1757 0.7 2316 5.9	7	0028 5.6 0713 1.0 M 1242 5.6 1935 0.8
8	0556 0.8 1122 5.6 M 1818 0.9 2339 5.6	23	0506 0.8 1035 5.7 TU 1732 0.8 2252 5.7	8	0645 0.9 1212 5.6 TH 1905 0.9	23	0625 0.5 1147 6.0 F 1850 0.6	8	0101 5.8 0749 0.9 TU 1314 5.8 2011 0.7
9	0637 0.7 1200 5.7 TU 1855 0.8	24	0558 0.6 1120 5.9 W 1821 0.6 2336 5.9	9	0029 5.6 0719 0.9 F 1247 5.6 1939 0.8	24	0007 6.1 0716 0.5 SA 1237 6.1 1940 0.4	9	0047 5.6 0733 1.0 SU 1301 5.6 1955 0.8
10	0015 5.7 0713 0.7 W 1235 5.8 1929 0.8	25	0646 0.4 1204 6.1 TH 1908 0.5	10	0104 5.7 0754 0.9 SA 1319 5.7 2015 0.8	25	0057 6.2 0806 0.4 SU 1326 6.1 2029 0.3	10	0120 5.7 0809 0.9 M 1333 5.7 2032 0.7
11	0051 5.8 0745 0.7 TH 1309 5.8 2002 0.7	26	0021 6.1 0733 0.3 F 1249 6.2 1954 0.4	11	0137 5.7 0829 0.9 SU 1351 5.7 2051 0.8	26	0148 6.3 0854 0.4 M 1417 6.1 2118 0.3	11	0153 5.8 0846 0.9 TU 1408 5.7 2108 0.7
12	0124 5.8 0818 0.7 F 1340 5.8 2036 0.7	27	0108 6.3 0819 0.3 SA 1337 6.2 2042 0.3	12	0210 5.7 0905 0.9 M 1425 5.7 2126 0.8	27	0240 6.2 0942 0.5 TU 1508 6.0 2206 0.3	12	0230 5.8 0923 0.9 W 1445 5.7 2145 0.7
13	0155 5.8 0852 0.7 SA 1410 5.7 2110 0.8	28	0157 6.3 0907 0.3 SU 1428 6.1 2130 0.3	13	0247 5.7 0940 1.0 TU 1503 5.6 2200 0.9	28	0332 6.1 1030 0.7 W 1557 5.8 2254 0.5	13	0308 5.7 0959 0.9 TH 1522 5.6 2221 0.7
14	0228 5.7 0925 0.8 SU 1443 5.7 2143 0.8	29	0250 6.2 0956 0.5 M 1521 6.0 2219 0.4	14	0327 5.6 1015 1.0 W 1543 5.4 2236 0.9	29	0422 5.9 1118 0.9 TH 1646 5.7 2343 0.7	14	0346 5.6 1036 1.0 F 1558 5.5 2259 0.8
15	0303 5.6 0957 1.0 M 1519 5.5 2215 1.0	30	0345 6.1 1046 0.7 TU 1614 5.8 2311 0.5	15	0409 5.4 1053 1.1 TH 1624 5.3 2317 1.0	30	0513 5.6 1207 1.1 F 1737 5.4	15	0426 5.5 1116 1.1 SA 1639 5.4 2342 0.9
31	0439 5.8 1139 1.0 W 1709 5.5						31	0043 1.1 0617 5.1 M 1308 1.5 1845 5.1	

Chart Datum is 2.69 metres below IGN Datum. HAT is 6.4 metres above Chart Datum.

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AREA 19 – Channel Islands

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 2017

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

MAY	JUNE		JULY		AUGUST	
	Time m	Time m	Time m	Time m	Time m	Time m
16 0334 2.7 TU 1546 3.1 2123 9.1	1 0541 2.8 1124 8.9 TH 1803 3.3 ● 2344 8.9	16 0438 3.0 1021 8.9 F 1655 3.4 2242 8.9	1 0602 3.1 1145 8.7 SA 1823 3.5 ● 2314 9.1	16 0506 2.8 1050 9.1 SU 1726 3.2 ● 2314 9.1	1 0009 8.1 TU 1255 8.0 1928 4.3	16 0633 3.4 1224 8.6 W 1913 3.6
17 0410 3.2 0947 8.7 W 1623 3.6 2203 8.6	2 0641 3.3 1230 8.5 F 1909 3.6	17 0528 3.3 1117 8.6 SA 1752 3.6 ● 2345 8.6	2 0005 8.6 0655 3.6 SU 1248 8.4 1923 3.8	17 0558 3.1 1147 8.8 M 1826 3.4	2 0129 7.8 0806 4.3 W 1417 8.0 2047 4.2	17 0110 8.5 0754 3.6 TH 1352 8.6 2041 3.4
18 0454 3.6 1036 8.3 TH 1713 4.0 2301 8.2	3 0054 8.6 0749 3.4 SA 1344 8.5 2020 3.6	18 0629 3.4 1224 8.5 SU 1901 3.7	3 0113 8.3 0759 3.8 M 1358 8.3 2031 3.8	18 0019 8.8 0702 3.3 TU 1257 8.7 1939 3.4	3 0249 8.0 0923 4.0 TH 1525 8.4 2156 3.7	18 0242 8.7 0920 3.2 F 1517 9.1 2202 2.9
19 0553 3.9 1146 8.0 F 1822 4.2	4 0209 8.6 0856 3.3 SU 1451 8.7 2125 3.3	19 0058 8.7 0740 3.3 M 1338 8.8 2017 3.4	4 0224 8.3 0905 3.7 TU 1503 8.6 2136 3.6	19 0136 8.8 0818 3.2 W 1415 9.0 2058 3.1	4 0352 8.5 1024 3.6 F 1619 9.0 2251 3.2	19 0400 9.3 1034 2.6 SA 1626 9.8 2311 2.1
20 0022 8.1 0707 3.8 SA 1311 8.2 1945 4.0	5 0313 8.9 0956 3.1 M 1547 9.1 2221 3.0	20 0213 9.0 0853 2.9 TU 1449 9.3 2128 2.8	5 0328 8.6 1005 3.4 W 1559 9.0 2231 3.2	20 0255 9.1 0934 2.8 TH 1528 9.5 2212 2.6	5 0442 9.0 1115 3.0 SA 1703 9.5 2338 2.7	20 0502 10.0 1137 2.0 SU 1723 10.6
21 0147 8.4 0825 3.4 SU 1426 8.7 2102 3.4	6 0407 9.2 1048 2.8 TU 1634 9.5 2309 2.7	21 0321 9.5 1000 2.4 W 1552 9.9 2233 2.2	6 0421 9.0 1056 3.1 TH 1645 9.4 2319 2.8	21 0406 9.7 1043 2.3 F 1634 10.1 2318 2.0	6 0525 9.5 1159 2.6 SU 1744 9.9	21 0011 1.5 0554 10.7 M 1234 1.4 ● 1812 11.1
22 0256 9.1 0934 2.8 M 1529 9.4 2206 2.6	7 0453 9.6 1132 2.5 W 1716 9.9 2351 2.4	22 0423 10.1 1102 1.9 TH 1651 10.5 2334 1.7	7 0506 9.3 1141 2.7 F 1727 9.7	22 0509 10.2 1146 1.8 SA 1732 10.7	7 0022 2.2 0604 9.9 M 1241 2.2 ○ 1821 10.3	22 0105 1.1 0641 11.1 TU 1323 1.1 1857 11.4
23 0356 9.8 1035 2.1 TU 1624 10.2 2304 1.9	8 0533 9.8 1211 2.4 TH 1753 10.1	23 0521 10.7 1201 1.4 F 1745 11.0	8 0002 2.5 0546 9.6 SA 1222 2.5 1804 10.0	23 0020 1.4 0605 10.8 SU 1245 1.4 ● 1824 11.2	8 0104 1.9 0642 10.2 TU 1321 2.0 1858 10.6	23 0151 0.9 0724 11.3 W 1407 1.0 1938 11.5
24 0450 10.5 1131 1.5 W 1716 10.8 2359 1.4	9 0029 2.2 0610 10.0 F 1247 2.2 ○ 1827 10.2	24 0032 1.2 0615 11.0 SA 1257 1.1 ● 1837 11.3	9 0043 2.2 0624 9.9 SU 1300 2.3 ○ 1840 10.2	24 0117 1.0 0655 11.1 M 1337 1.1 1913 11.4	9 0143 1.7 0718 10.5 W 1357 1.8 1934 10.8	24 0232 0.9 0802 11.2 TH 1445 1.2 2015 11.3
25 0542 11.1 1224 1.1 TH 1806 11.3	10 0105 2.1 0644 10.1 SA 1321 2.2 1900 10.3	25 0127 0.9 0707 11.2 SU 1349 1.0 1926 11.5	10 0121 2.0 0700 10.1 M 1337 2.2 1916 10.4	25 0207 0.8 0742 11.2 TU 1425 1.0 1958 11.4	10 0219 1.5 0754 10.6 TH 1433 1.7 2011 10.9	25 0307 1.2 0838 10.9 F 1518 1.5 2049 10.9
26 0051 0.9 0632 11.4 F 1315 0.8 1853 11.6	11 0139 2.0 0718 10.1 SU 1354 2.2 1933 10.3	26 0218 0.8 0756 11.2 M 1438 1.1 2012 11.3	11 0158 1.9 0735 10.2 TU 1412 2.1 1951 10.4	26 0253 0.9 0825 11.1 W 1508 1.2 2039 11.2	11 0254 1.5 0831 10.6 F 1508 1.8 2047 10.7	26 0338 1.7 0910 10.4 SA 1548 2.0 2121 10.3
27 0141 0.7 0720 11.5 SA 1403 0.8 1939 11.6	12 0213 2.0 0751 10.0 M 1426 2.3 2005 10.2	27 0306 1.0 0842 10.9 TU 1524 1.4 2057 11.0	12 0233 1.9 0811 10.2 W 1446 2.1 2026 10.3	27 0333 1.2 0905 10.7 TH 1547 1.6 2117 10.7	12 0330 1.6 0907 10.4 SA 1544 2.0 2125 10.4	27 0405 2.3 0940 9.8 SU 1616 2.7 2151 9.5
28 0229 0.7 0807 11.3 SU 1449 1.0 2025 11.3	13 0246 2.2 0824 9.8 TU 1459 2.5 2038 9.9	28 0351 1.3 0926 10.5 W 1607 1.8 2140 10.4	13 0308 2.0 0847 10.1 TH 1521 2.3 2102 10.2	28 0410 1.7 0942 10.2 F 1622 2.2 2154 10.1	13 0406 1.9 0945 10.0 SU 1622 2.4 2204 9.9	28 0431 3.0 1010 9.1 M 1646 3.4 2224 8.8
29 0315 1.0 0854 10.9 M 1534 1.5 2110 10.8	14 0320 2.4 0859 9.6 W 1533 2.8 2113 9.6	29 0434 1.9 1010 9.8 TH 1650 2.4 2223 9.8	14 0344 2.1 0924 9.8 F 1558 2.5 2141 9.8	29 0444 2.4 1018 9.5 SA 1656 2.8 2231 9.4	14 0445 2.4 1026 9.5 M 1704 2.9 2249 9.3	29 0502 3.7 1046 8.4 TU 1725 4.0 ● 2307 8.1
30 0401 1.5 0941 10.2 TU 1619 2.1 2155 10.1	15 0357 2.7 0937 9.2 TH 1610 3.1 2153 9.2	30 0517 2.5 1054 9.2 F 1733 3.0 2309 9.1	15 0423 2.4 1004 9.5 SA 1639 2.8 2223 9.5	30 0517 3.0 1057 8.9 SU 1733 3.4 ● 2313 8.7	15 0532 3.0 1116 9.0 TU 1759 3.3 ● 2349 8.8	30 0547 4.3 1143 7.8 W 1825 4.5
31 0449 2.2 1029 9.5 W 1700 -				31 0556 3.7 1146 8.3 M 1821 4.0	31 0021 7.5 0700 4.7 TH 1322 7.6	

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