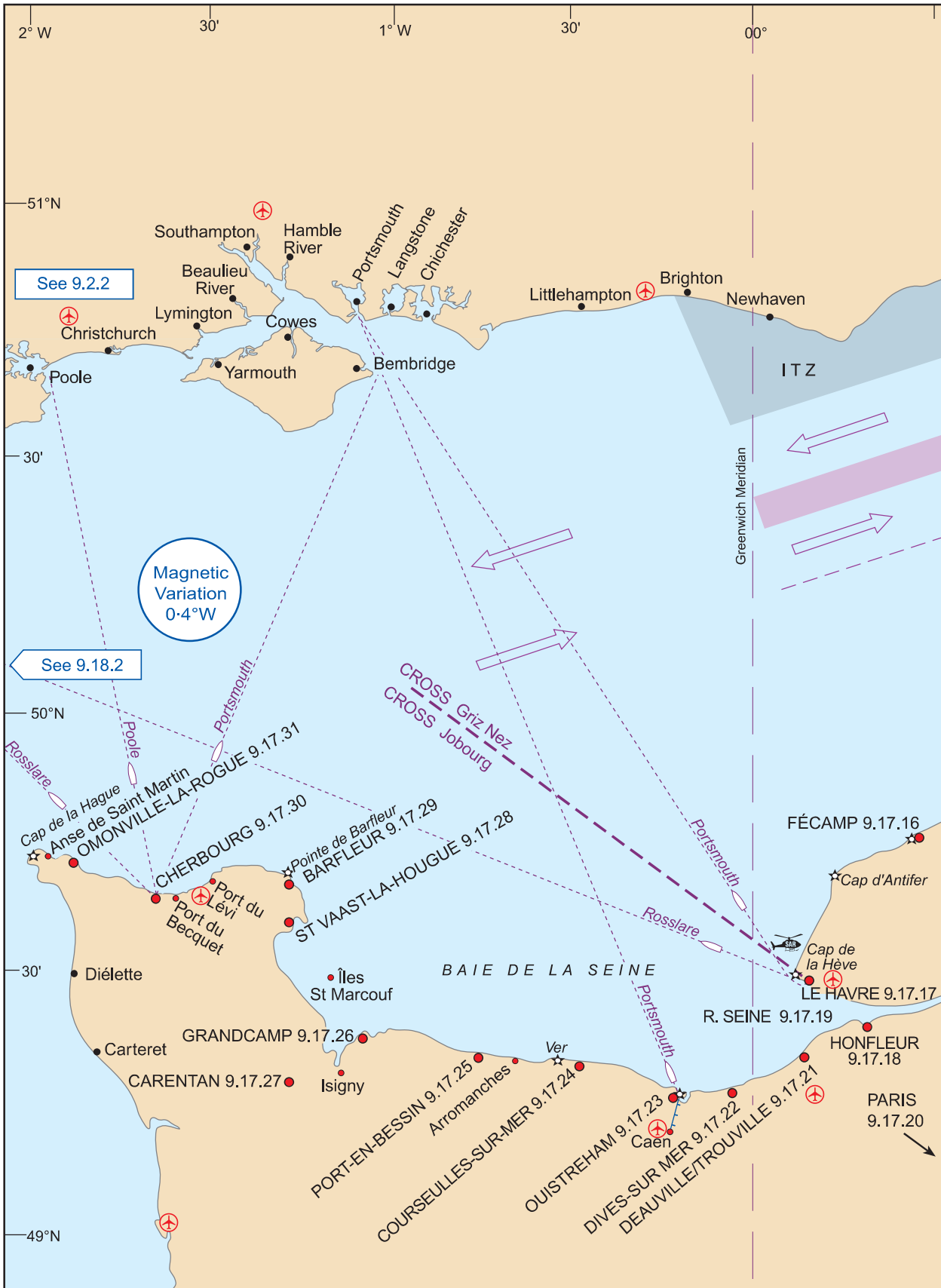
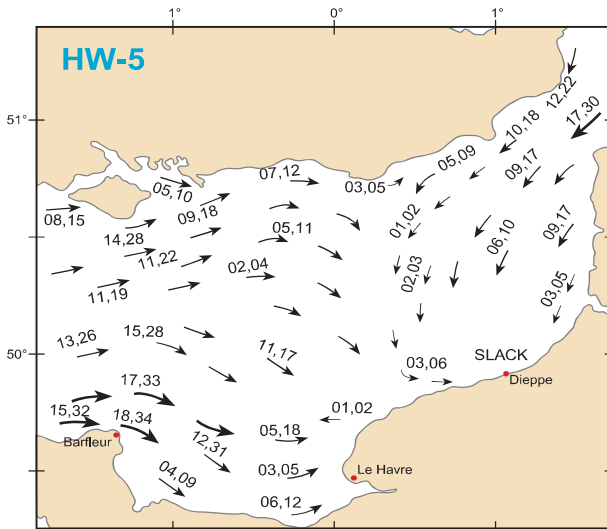


Area map – Distance table

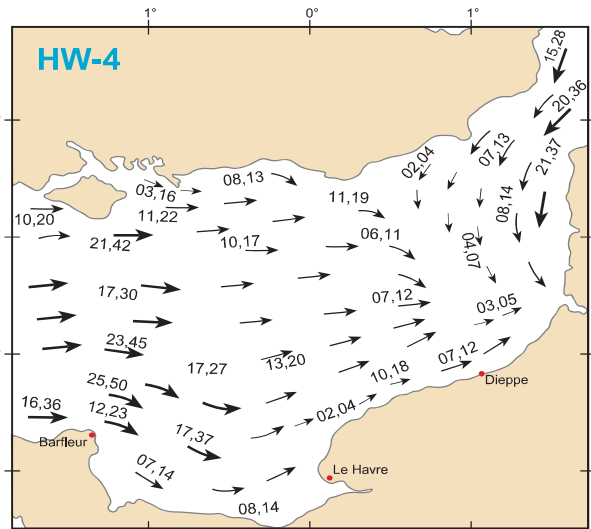


Tidal streams

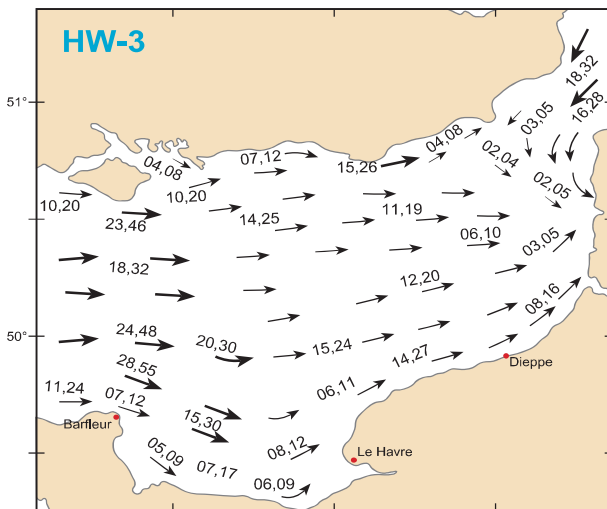
9.17.3 AREA 17 TIDAL STREAMS



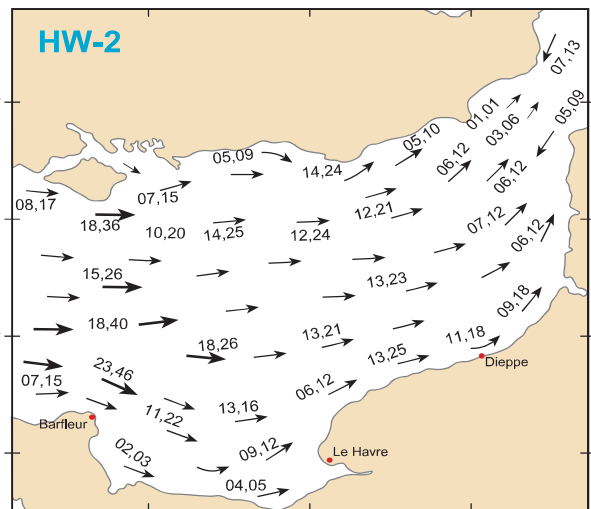
5 Hours before HW Dover (0345 before HW Le Havre)



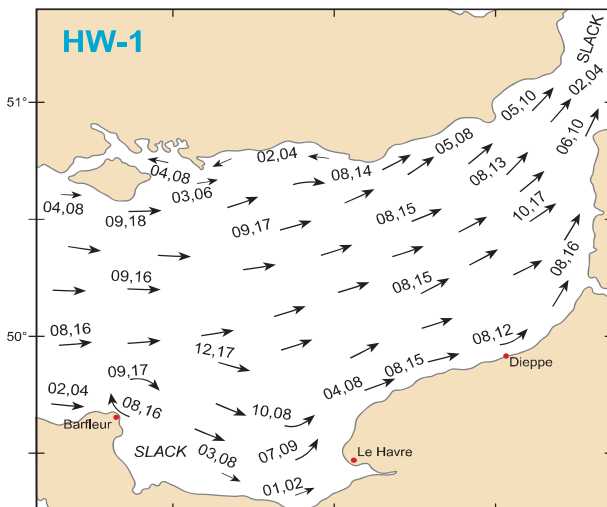
4 Hours before HW Dover (0245 before HW Le Havre)



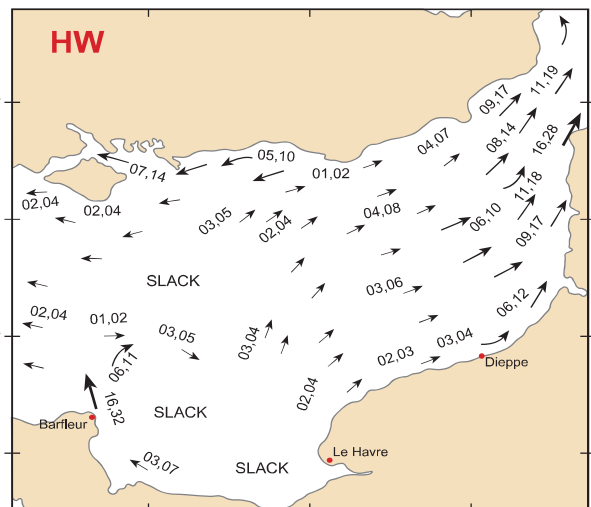
3 Hours before HW Dover (0145 before HW Le Havre)



2 Hours before HW Dover (0045 before HW Le Havre)



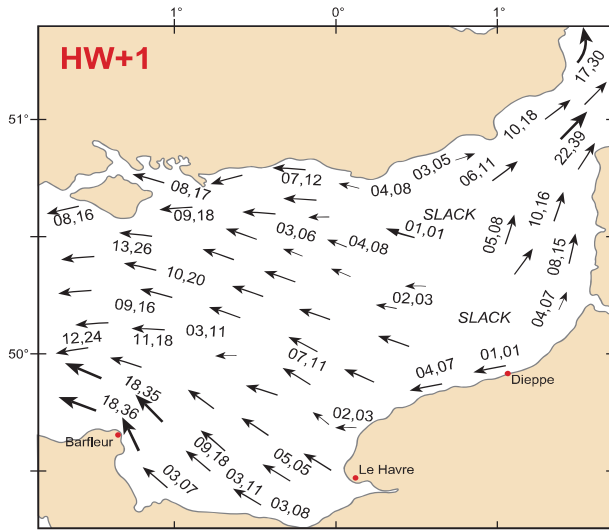
1 Hour before HW Dover (0015 after HW Le Havre)



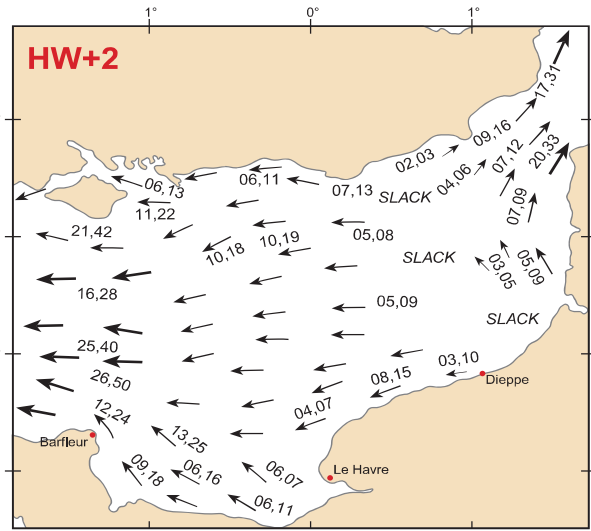
HW Dover (0115 after HW Le Havre)

AREA 17 – N France

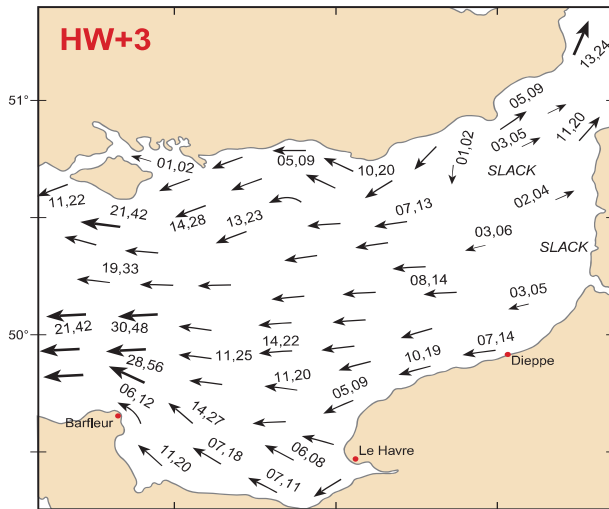
Westward 9.18.3 Channel Is 9.19.3 Northward 9.2.3 North-eastward 9.3.3 Eastward 9.16.3



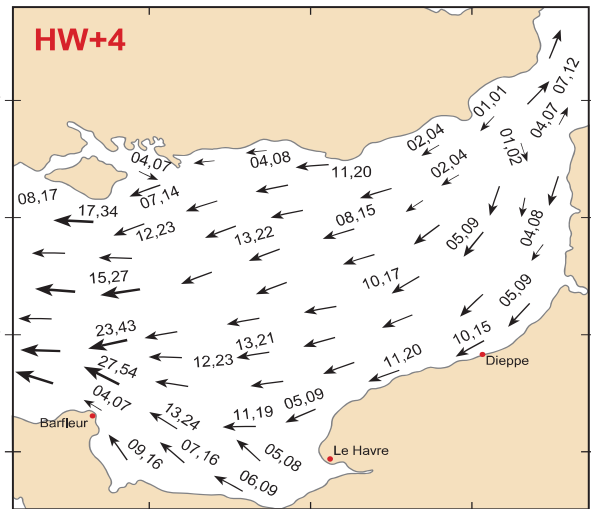
1 Hour after HW Dover (0215 after HW Le Havre)



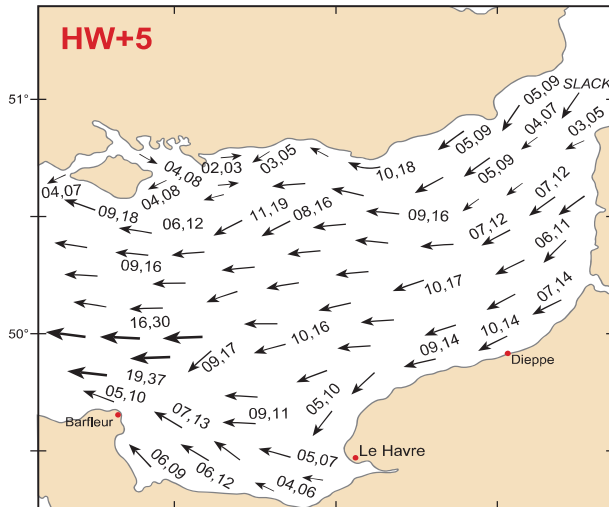
2 Hours after HW Dover (0315 after HW Le Havre)



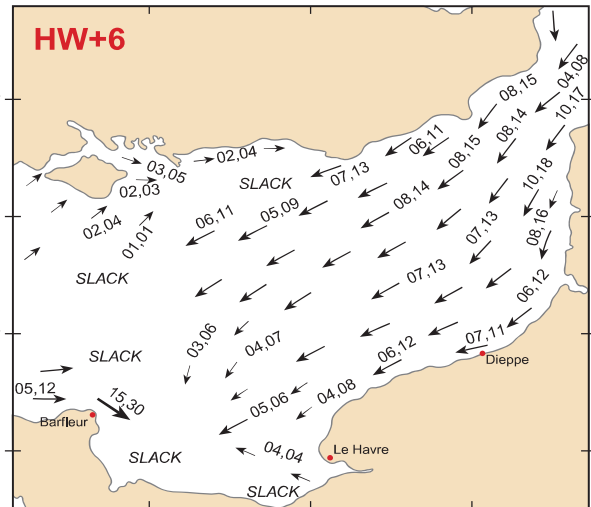
3 Hours after HW Dover (0415 after HW Le Havre)



4 Hours after HW Dover (0515 after HW Le Havre)



5 Hours after HW Dover (0615 after HW Le Havre)



6 Hours after HW Dover (0510 before HW Le Havre)

N France

9.17.4 LIGHTS, BUOYS AND WAYPOINTS

Bold print = light with a nominal range of 15M or more. CAPITALS = place or feature. *CAPITAL ITALICS* = light-vessel, light float or Lanby. *Italics* = Fog signal. **Bold italics** = Racon. Many marks/buoys are fitted with AIS (*MMSI No*); see relevant charts.

OFFSHORE MARKS: W Hinder to Dover Strait

Fairy South \uparrow VQ (6) + L Fl 10s; 51°21'·20N 02°17'·31E.
 Fairy West \uparrow VQ (9) 10s 6M; 51°23'·89N 02°09'·27E. [992271127](#).
 Hinder 1 \uparrow Fl (2) 6s; 51°20'·80N 02°10'·93E.
 Bergues \uparrow Fl G 4s 7m 4M; 51°17'·14N 02°18'·63E.
 Bergues S \uparrow Q (6) + L Fl 15s; 51°15'·09N 02°19'·42E.
 Ruytingen E \uparrow VQ; 51°14'·55N 02°17'·93E.
 Ruytingen N \uparrow VQ 4M; 51°13'·16N 02°10'·28E.
 Ruytingen SE \uparrow VQ (3) 15s; 51°09'·20N 02°08'·94E. [992271126](#).
 Ruytingen NW \uparrow Fl G 4s 3M; 51°09'·11N 01°57'·30E.
 Ruytingen W \uparrow VQ 4M; 51°06'·93N 01°50'·45E.
 Ruytingen SW \uparrow Fl (3) G 12s 3M; 51°04'·33N 01°45'·84E.
 Sandettié N \uparrow VQ 6M; 51°18'·35N 02°04'·73E.
 Sandettié E \uparrow Fl R 4s 7m 3M; 51°14'·88N 02°02'·65E. [992271119](#).

DUNKERQUE TO BOULOGNE

PASSE DE ZUYDCOOTE

E12 \uparrow VQ (6) + L Fl 10s; 51°07'·92N 02°30'·61E. (Belgium)
 CME \uparrow Q (3) 10s; 51°07'·30N 02°30'·00E.
 E11 \uparrow Fl G 4s; 51°06'·85N 02°30'·83E.
 E10 \uparrow Fl (2) R 6s; 51°06'·26N 02°30'·40E.
 E9 \uparrow Fl (2) G 6s; 51°05'·61N 02°29'·60E.
 E8 \uparrow Fl (3) R 12s; 51°05'·12N 02°28'·60E. (E7 does not exist)

PASSE DE L'EST

E6 \uparrow QR; 51°04'·86N 02°27'·08E.
 E4 \uparrow Fl R 4s; 51°04'·58N 02°24'·52E.
 E1 \uparrow Fl (2) G 6s; 51°04'·12N 02°23'·04E.
 E2 \uparrow Fl (2) R 6s; 51°04'·35N 02°22'·31E.
 \uparrow Q (6) + L Fl 15s; 51°04'·28N 02°21'·73E.

DUNKERQUE PORT EST

E jetty \star Fl (2) R 6s 12m 10M; R \square , W pylon; 51°03'·59N 02°21'·20E.
 W jetty \star Fl (2) G 6s 35m 11M; W twr, brown top; 51°03'·63N 02°20'·95E.
 Ldg lts 137·5°, front Q7m11M 51°02'·98N 02°22'·05E, rear, Q10m11M, 114m from front, both W cols, R tops, synched.
 Inner W jetty \uparrow Q 11m 9M; 51°03'·33N 02°21'·43E.
Dunkerque lt ho \star Fl (2) 10s 59m **26M**; 51°02'·93N 02°21'·86E.

DUNKERQUE INTERMEDIATE CHANNEL

DW30 \uparrow QR; 51°04'·14N 02°20'·16E.
 DW29 \uparrow QG; 51°03'·85N 02°20'·21E.
 DW16 \uparrow Fl (2) R 6s; 51°03'·52N 02°08'·62E.
 DKB \uparrow VQ (9) 10s; 51°02'·95N 02°09'·26E.
 DW12 \uparrow Fl (3) R 12s; 51°03'·38N 02°05'·36E.
 DW11 \uparrow Fl (3) G 12s; 51°02'·79N 02°05'·53E. (DW10-7 omitted)

GRAVELINES

W jetty \star Fl (2) WG 6s 9m W/G4M; 085°-W-224°-G-085°; Y \circ twr, G top; 51°00'·94N 02°05'·49E.

PASSE DE L'OUEST

DW6 \uparrow VQ R; 51°02'·81N 02°00'·80E.
 DW5 \uparrow QG; 51°02'·20N 02°00'·92E.
 DKA \uparrow L Fl 10s; 51°02'·55N 01°56'·96E.
 RCE (Ridens de Calais East) \uparrow Fl G 4s; 51°02'·29N 01°52'·98E.
 Dyck \uparrow Fl R 4s; **Racon B**; 51°02'·90N 01°51'·80E.
 RCA (Ridens de Calais Approach) \uparrow Q; 51°01'·00N 01°48'·53E. [992271125](#).

CALAIS

E jetty \star Fl (2) R 6s 12m **17M**; (in fog two Fl (2) 6s (vert) on request); Gy twr, R top; *Horn* (2) 40s; 50°58'·39N 01°50'·45E.
 E Jetty root, Dir \star WG 12m 1M; 089·4°-FG-093·7°-Al WG-094°·3'-FW-098·6°; metal structure; 50°58'·25N 01°51'·20E.

W jetty \star Iso G 3s 12m 9M; (in fog Fl 5s on request); W twr, G top; *Bell* 5s; 50°58'·24N 01°50'·40E.

Calais \star Fl (4) 15s 59m **22M**; vis 073°-260°; W 8-sided twr, B top; 50°57'·68N 01°51'·21E (440m E of marina entry gate).

CALAIS, WESTERN APPROACH

CA6 \uparrow Fl (3) R 12s; 50°58'·63N 01°49'·92E.
 CA4 \uparrow Fl (2) R 6s; 50°58'·38N 01°48'·65E.
 CA1 \uparrow Fl G 4s; 50°57'·64N 01°46'·14E (0·5M NNW of Sangatte).
 Sangatte \star Oc WG 4s 13m W8M, G5M; 065°-G-089°-W-152°-G-245°; W pylon, B top; 50°57'·19N 01°46'·50E.
 Les Quénoacs \uparrow VQ; 50°56'·85N 01°41'·12E.
 Abbeville wreck \uparrow VQ (9) 10s; 50°56'·08N 01°37'·58E.
Cap Gris-Nez \star Fl 5s 72m **29M**; 005°-232°; W twr, B top; 50°52'·09N 01°34'·96E.

OFFSHORE MARKS: DOVER STRAIT TSS, French side

Colbart N \uparrow Q 6M; 50°57'·50N 01°23'·30E. [992271121](#).
 Colbart SW \uparrow VQ (6) + L Fl 10s 8m; 50°48'·87N 01°16'·32E.
 ZC2 (Zone Cotière) \uparrow Fl (2+1) Y 15s 5M; 50°53'·54N 01°30'·89E.
 ZC1 \uparrow Fl (4) Y 15s 4MN; 50°44'·99N 01°27'·21E.
 Ridens SE \uparrow VQ (3) 5s 6M; 50°43'·48N 01°18'·87E.
 Bassurelle \uparrow Fl (4) R 15s 6M; **Racon B, 5-8M**; 50°32'·74N 00°57'·69E.
 Vergoyer N \uparrow VQ 5M; 50°39'·67N 01°22'·21E.
 Vergoyer NW \uparrow Fl (2) G 6s 4M; 50°37'·16N 01°17'·85E.
 Vergoyer E \uparrow VQ (3) 5s 6M; 50°35'·80N 01°19'·70E. [992271132](#)
 Vergoyer W \uparrow Fl G 4s 4M; 50°34'·66N 01°13'·57E.
 Vergoyer SW \uparrow VQ (9) 10s 6M; 50°27'·01N 01°00'·03E.

BOULOGNE TO DIEPPE

BOULOGNE

Bassure de Baas \uparrow VQ; 50°48'·53N 01°33'·05E.
 Approches Boulogne \uparrow VQ (6) + L Fl 10s 8m 6M; 50°45'·31N 01°31'·07E.
 Digue N (detached) \star Fl (2) R 6s 10m 7M; 50°44'·71N 01°34'·18E.
Digue S (Carnot) \star Fl (2+1) 15s 25m **19M**; W twr, G top; 50°44'·44N 01°34'·05E.
 Clearing brg 122·4°: Front, FG in a neon ∇ 4m 5M; 50°43'·71N 01°35'·66E. Rear, FR 44m 11M; intens 113°-133°; 560m from front.
 Inner NE jetty \star FR 11m 7M; 50°43'·91N 01°35'·24E. Inner SW jetty \star FG 17m 5M; W col, G top; *Horn* 30s; 50°43'·90N 01°35'·11E.
Cap d'Alprech \star Fl (3) 15s 62m **23M**; W twr, B top; 50°41'·91N 01°33'·75E, 2·5M S of hbr ent.

LE TOUQUET/ÉTAPLES

Pointe de Lornel \uparrow VQ (9) 10s 6m 3M; 50°33'·24N 01°35'·12E.
 Mérida wreck \uparrow 50°32'·85N 01°33'·44E.
 Camiers lt ho \star Oc (2) WRG 6s 17m W10M, R/G7M; 015°-G-090°-W-105°-R-141°; R pylon; 50°32'·86N 01°36'·28E.
 Canche Est groyne \uparrow Fl R 4s 8m; 50°32'·57N 01°35'·66E.
Le Touquet \star Fl (2) 10s 54m **25M**; Or twr, brown band, W&G top; 50°31'·43N 01°35'·52E.
Pointe du Haut-Blanc \star Fl 5s 44m **23M**; W twr, R bands, G top; 50°23'·90N 01°33'·67E (Berck).

BAIE DE LA SOMME

ATSO \uparrow Mo (A) 12s; 50°14'·00N 01°28'·08E (shifts frequently).
 Pte du Hourdel \star Oc (3) WG 12s 19m, W12M, G9M; 053°-W-248°-G-323°; tidal sigs; *Horn* (3) 30s; W twr, G top; 50°12'·90N 01°33'·98E.
Cayeux-sur-Mer \star Fl R 5s 32m **22M**; W twr, R top; 50°11'·65N 01°30'·72E.
 Le Crottoy \star Oc (2) R 6s 19m 8M; 285°-135°; W pylon; 50°12'·91N 01°37'·40E. Marina \star Fl R & Fl G 2s 4m 2M; 50°12'·98N 01°38'·20E.

ST VALÉRY-SUR-SOMME

Trng wall head, \uparrow Fl G 2·5s 2m 1M; 50°12'·25N 01°35'·85E.
 Embankment head \star Iso G 4s 9m 9M; 347°-222°; W pylon, G top; 50°12'·25N 01°36'·02E.
 La Ferté môle \star Fl R 4s 9m 9M; 000°-250°; W pylon, R top; 50°11'·18N 01°38'·14E (ent to marina inlet).