



INTERNATIONAL
 CHART SERIES
 ATLANTIC OCEAN
FREETOWN TO LUANDA
 1:3,500,000 (22°30')
 DEPTHS IN METRES
 HEIGHTS IN METRES
 Mercator projection
 Produced by the United Kingdom Hydrographic Office, 2011

MAGNETIC VARIATION LINES ARE FOR 2010
 The magnetic variation is shown in degrees, followed by the letter E or W, as appropriate, on the lines. The annual change is expressed in minutes with the letter E or W and is given in brackets, immediately following the variation.
 OFFSHORE OIL AND GAS ACTIVITY
 Numerous structures, usually marked by aids to navigation, other unit objects, pipelines, submerged obstructions and wellheads, sometimes marked by buoys, exist within the 200m depth contour between Ivory Coast (4°22'N 7°36'W) and Angola (19°42'S 13°12'E). For further details, see larger scale Admiralty charts.
 INTERNATIONAL BOUNDARIES
 International boundaries shown on this chart are approximate.
 CURRENTS
 For details of ocean currents in the area of this chart, see Admiralty Sailing Directions and Routing Charts.