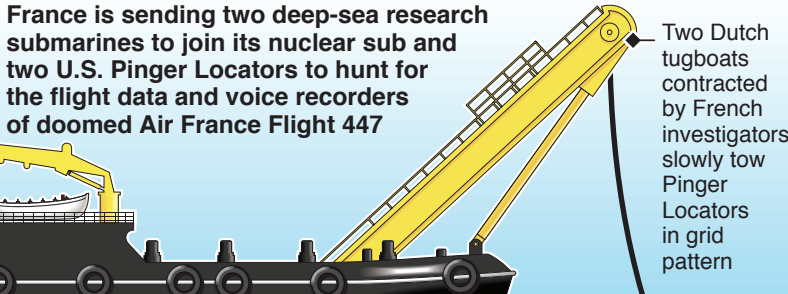


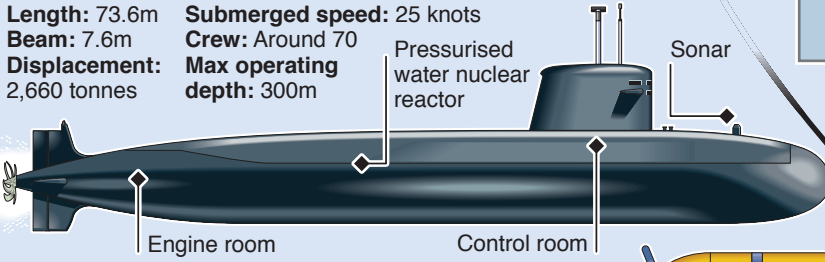
Deep-sea search for jet's black box

France is sending two deep-sea research submarines to join its nuclear sub and two U.S. Pinger Locators to hunt for the flight data and voice recorders of doomed Air France Flight 447



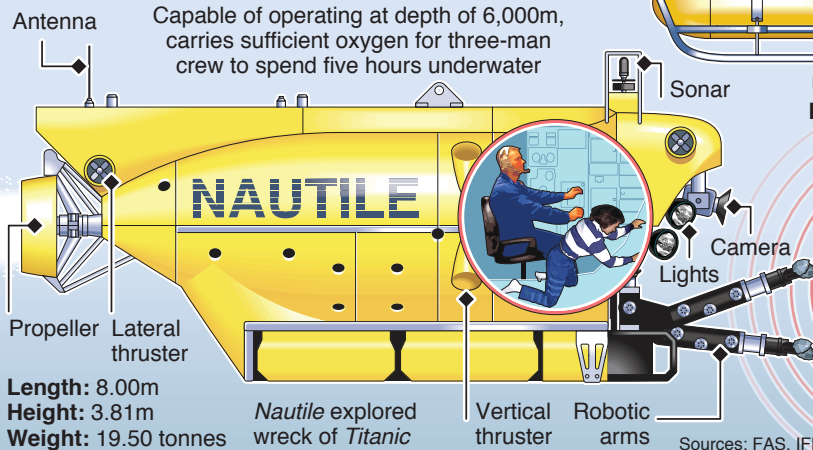
RUBIS CLASS SUBMARINE EMERAUDE: Trawling 35 square km a day, uses sonar to pick up acoustic beacons from black box

Length: 73.6m **Submerged speed:** 25 knots
Beam: 7.6m **Crew:** Around 70
Displacement: 2,660 tonnes **Max operating depth:** 300m



NAUTILE SUBMERSIBLE:

Capable of operating at depth of 6,000m, carries sufficient oxygen for three-man crew to spend five hours underwater



Length: 8.00m
Height: 3.81m
Weight: 19.50 tonnes

1 May 31, 22:04GMT
Flight 447 departs for Paris

2 Jun 1, 01:51-02:14GMT
Aircraft crosses three thunderstorm clusters

3 02:14GMT
Automated messages indicate electrical and pressurization problems

AFRICA

Wreckage found near St Peter & St Paul Rock

Fernando de Noronha

BRAZIL

Rio de Janeiro

TOWED PINGER LOCATOR:

Towed behind vessel at depth of up to 6,000m, relays sonar "pings" emitted from black box via cable to operators' display on board ship



Underwater Locator Beacon:

Battery lasts only up to 30 days

