

One-shot cosmic planet report

The \$1.6bn mission – the most expensive ever mounted – was launched in October 1989 from the space shuttle Atlantis

High-gain antenna aimed at earth

Magnetometer sensors

Thrusters

Probe relay antenna

ATMOSPHERE PROBE

Outer casing protects first ever man-made object to enter Jupiter's atmosphere

JUPITER

DESCENT MODULE

Size of a beach ball, carries six experiments to analyse planet's chemical composition

Aeroshell

Antenna

Heat shield

Passed Earth December 1990 and December 1992

Galileo launch October 1989

Slingshot around Venus February 1990

Jupiter probe launched July 1995

DECEMBER 1995

Probe will slam into Jupiter's atmosphere at 110,000mph – within two minutes it will slow to less than 1,000mph, reaching temperature 2.5 times greater than the surface of the sun