

# Around the world again to break new record

## Virgin Atlantic GlobalFlyer:

Jet plane in which **Steve Fossett** will attempt to break previous records by flying further than any aircraft

Designed by **Burt Rutan** – builder of first private spacecraft



**Start:** Kennedy Space Centre, Florida, U.S.

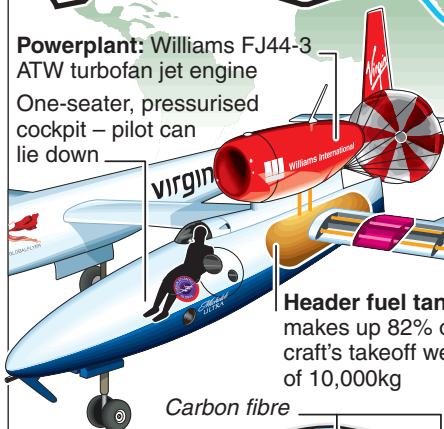
**Finish:** Manston, Kent, UK

**Total distance:** 41,978km  
**2005 flight:** 36,898km  
(World record solo flight)



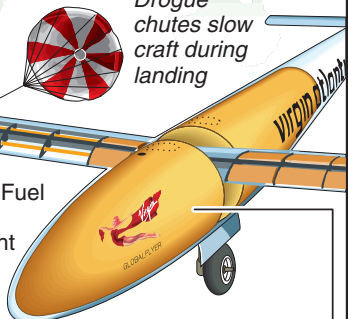
**Powerplant:** Williams FJ44-3 ATW turbofan jet engine

One-seater, pressurised cockpit – pilot can lie down



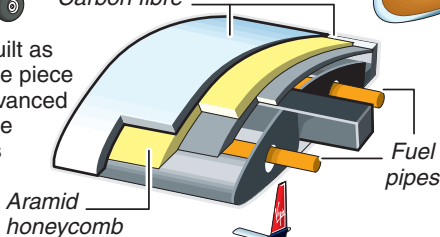
**Drogue chutes** slow craft during landing

**Header fuel tank:** Fuel makes up 82% of craft's takeoff weight of 10,000kg



**Carbon fibre**

**Wing:** Built as one single piece using advanced composite materials



**Aramid honeycomb**

**Fuel pipes**

**Boom tanks:** Carry 2,473kg of JP-4 military fuel, which has much lower freezing point than standard aviation fuel. GlobalFlyer will take advantage of **jet stream** winds in stratosphere, at 14,000m

**Length** 13.4m  
**Wingspan** 34.8m  
**Wing area** 37.2 sq m

**External temperature** will fall to minus 59C

