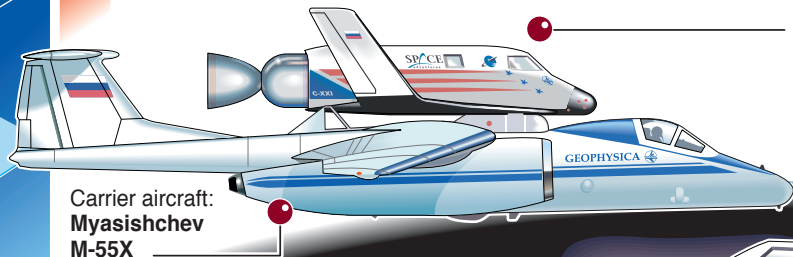


Hour-long journey into space

A space shuttle designed to give tourists a taste of life in zero gravity is set to start regular flights by 2004. During a 60-minute flight the C-21 suborbital plane – a joint project by U.S. *Space Adventures* and Russia's *Myasishchev Design Bureau* – will blast to an altitude of 100km before gliding back to Earth

PHASE 1: C-21 space plane piggybacks on carrier aircraft



Cosmopolis C-21

Weight: 3.5 tonnes
Length: 7.6 metres
Wingspan: 5.5 metres
Crew: 1
Passengers: 2

PHASE 2: Once altitude reaches 20,000m and trajectory angle reaches 40-60 degrees to horizon, space plane separates from carrier aircraft

Propulsion: Solid-fuel rocket motor ignites. Space plane climbs to 100km altitude

Rocket motor from Russian ballistic missile

Zero gravity: At top of trajectory crew experiences 3 minutes of weightlessness

Rocket motor: Separates from crew compartment after engine burns out

Landing: C-21 glides back into atmosphere to make parachute-assisted touchdown. Entire mission from takeoff to landing will take about one hour.

Price per passenger: \$98,000