

Mission Fact Files

'PRINCIPIA MISSION'

Astronaut:

TIM PEAKE

Date of Birth: 7th April, 1972

Mission Name:

Principia

Takeoff Location:

Baikonur, Kazakhstan

Takeoff Date:

15th December 2015

Mission Objectives:

Conduct 250 experiments and maintain ISS

Distance to ISS:

400km

Time Taken to
Get to ISS:

6 hours

Mission Length:

6 months



'PRINCIPIA MISSION'
DEBRIEF

End of Mission: **SOLVED**

18th JUNE 2016

Touchdown Time:

10:15 BST

Touchdown Location:

Zhezkazgan,
Kazakhstan

Mission Number of Orbits:

3000 around Earth

Name of Capsule Used for

Landing: **Soyuz**

Landing Details: High winds caused Soyuz to rotate several times and have a harder than expected landing.

Speed of Re-entry: 25 times the speed of sound – forces up to 5G.

Tim's Health: Muscle deterioration has made him weaker.

Tim's Recovery: 2/3 days to recover from travel sickness and up to 3 years to regain bone/muscle strength.

Tim's Future: Future missions to the ISS possible, Tim to give talks in schools to inspire them about space exploration and conduct further experiments now he is back on Earth.

