

The New Frontier

Series 3

Episodic breakdown

Episode 1 - Living in Space.

How do astronauts cope with living in space? The unique environment, the lack of taste in their food and the smell of canned air all contribute to the stresses of living and working in space.

Episode 2 - Atmosphere.

Climate change and pollution are having dire consequences for the atmosphere of our planet, this episode updates the latest technology and science looking into the health of our air.

Episode 3 - Flight Status.

Bepi Colombo, James Webb telescope and other probes are preparing for their final pre flight tests and then launches in the coming year we update their status.

Episode 4 - Mars, giving up her secrets.

The EXO Mars and Curiosity continue their scientific discoveries on Mars, we update their latest findings and look at the next phase of robotic invasion of the Red planet.

Episode 5 - Juno and Jupiter's Space.

Juno has reached its target and has commenced its scientific observations of the giant planet and we delve deeper into Europa and her ocean.

Episode 6 - The end of Cassini.

The Cassini space craft has completed its mission over Saturn, making many discoveries about the planet its rings and it's moons, we review it's great achievements and it's last observations before diving into Saturn's atmosphere.

Episode 7 - Surprising Pluto.

New Horizons has departed Pluto space and is heading for its next encounter in the Kuiper belt. It has been beaming back its data to Earth revealing a very different planetoid than first thought.

Episode 8 - Cosmic Rays

These mysterious and highly powerful particles from deep space are being investigated to finally discover where they come from.

Episode 9 - Gravity.

LISA pathfinder, has led the way for a space based gravity wave detector, what are gravity waves and why are they so hard to detect?

Episode 10 - SETI.

The search for intelligent life in the galaxy continues with no results, why is this?

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