

The International Space Station

The First 50 Expeditions

About the Visualization

The International Space Station (ISS) is one of the greatest endeavours ever undertaken by the human race, representing the peak of scientific ingenuity and global cooperation.

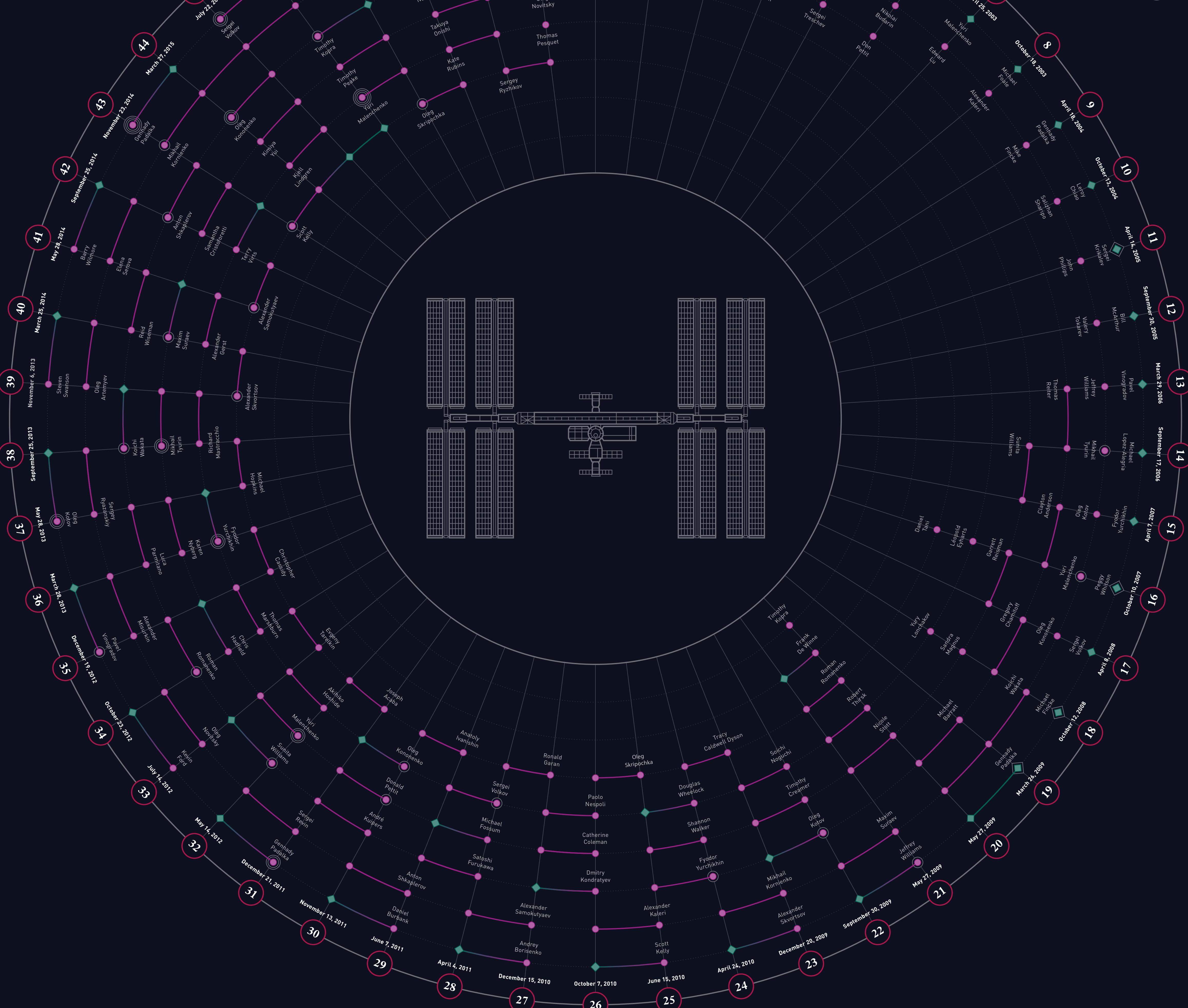
This data visualization looks to explore the first 50 expeditions to the ISS, and celebrate the brave and inspiring individuals who called it their home over a period of 16 years.

The top part of the visualization provides a detailed look at the crews from each expedition, while the bottom part delves into other incredible details about the ISS, and statistics about its inhabitants.

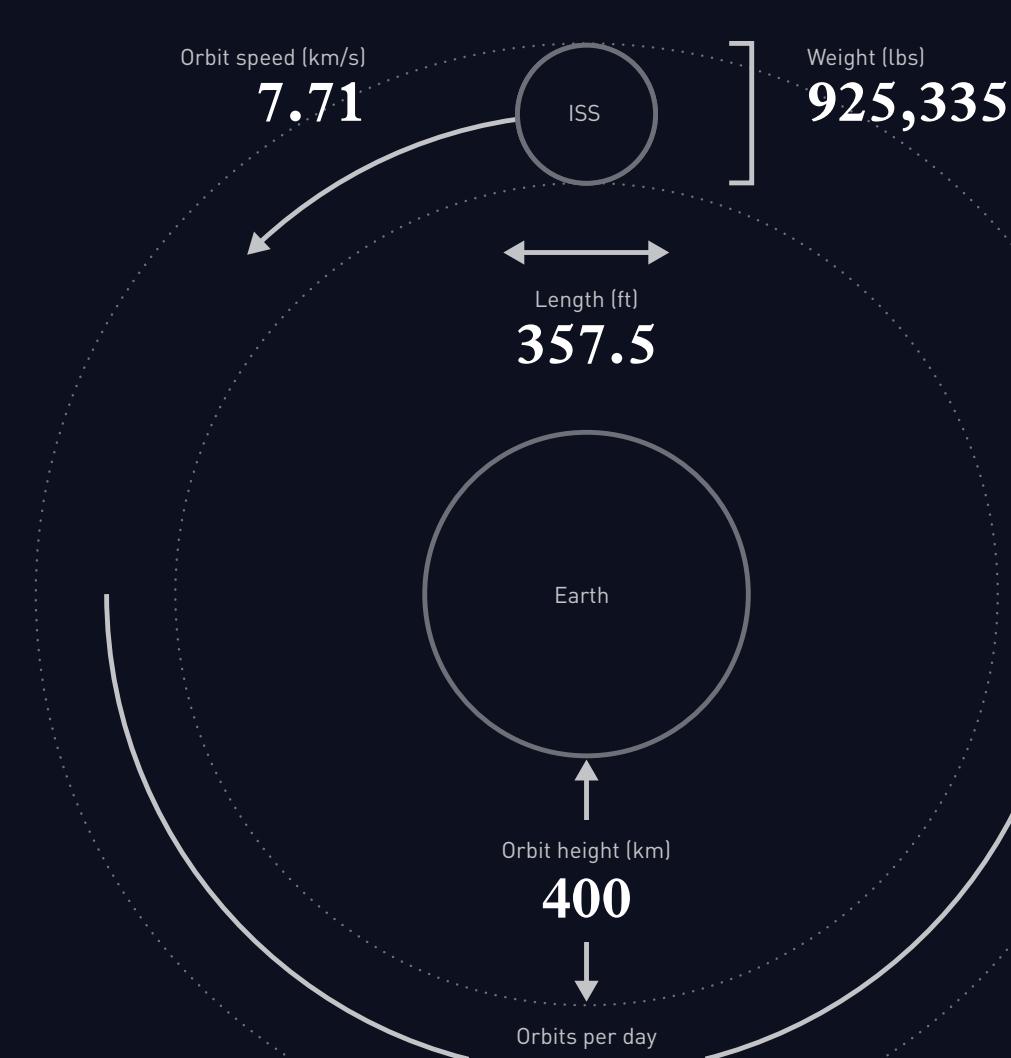
Designed by James Round. www.jamesrounddesign.com

Key

Expedition number	0
Launch date	00.00.00
Expedition commander	■
Crew member	●
Transfer to next expedition	—
No. of previous trips	○



A Scientific Marvel



\$100bn

The estimated cost of the ISS, making it the most expensive object ever built by mankind. Roughly half of the money came from the USA.

8 miles

The length of the wiring found through the various electrical systems aboard the ISS.

3,300,000

The number of lines of code used to control the ISS from the ground. This is supported by 1.8 million lines of flight software code.

A Global Endeavour

107

Astronauts and cosmonauts, bravely made the 400km journey from Earth to the International Space Station during the first 50 expeditions.

Nationality

49 crew members were American astronauts.

40 crew members were Russian cosmonauts.

06 crew members were from Japan

03 crew members were from Italy

02 Canada, France and Germany have each had two crew members.

01 Belgium, the United Kingdom and the Netherlands have each had one crew member.

Trips

80 individuals made a single trip.

18 people visited the ISS on two occasions.

07 people made the trip to the ISS three times.

02 people have been up to the ISS four times.

Gennady Padalka and Yury Malenchenko.

Peggy Whitson

Holds the record for the longest single spaceflight by a woman. As of ISS Expedition 44, she has spent a total of 879 days in space. Yury Malenchenko currently ranks second.

Gender

95 members of the crew were male, or 88.8%.

12 members of the crew were female, or just 11.2%.

One-Year Mission

Out of the first 50 expeditions, Mikhail Korniyenko and Scott Kelly spent the most time aboard the ISS in a single trip. They were part of a year long mission, probably the only health effects of long term space flight. The trip lasted 342 days. In addition to this, she is currently the oldest woman to have ever visited space.

The data concerning the ISS expeditions includes official crew members only, and does not list other visitors to the ISS, such as short term visitors and supply missions.

The launch dates listed refer to the start of each expedition. In some cases, crew members joined the expedition at a later date than the initial launch. These dates are not listed.

There appeared to be different ways to spell the English versions of several Russian crew member's names. Every effort has been made to include the correct spelling.

Credits & Notes

All of the content that has been used to create this data visualization can be found on the following websites:

[Wikipedia, List of International Space Station expeditions](http://en.wikipedia.org/wiki/List_of_International_Space_Station_expeditions)

[Wikipedia, List of spaceflight records](http://en.wikipedia.org/wiki/List_of_spaceflight_records)

[Wikipedia, ISS year long mission](http://en.wikipedia.org/wiki/ISS_year_long_mission)

[NASA, Past Expeditions](http://www.nasa.gov/mission_pages/station/expeditions/past.html)

[NASA, ISS Facts and Figures](http://www.nasa.gov/feature/facts-and-figures)

[Mental Floss, 15 awesome facts about the ISS](http://mentalfloss.com/article/59642/15-awesome-facts-about-the-international-space-station)

[Gizmodo, 15 awesome facts about the ISS](http://gizmodo.com/15-awesome-facts-about-the-international-space-station-1446236778)