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Research and Technology on the International Space Station

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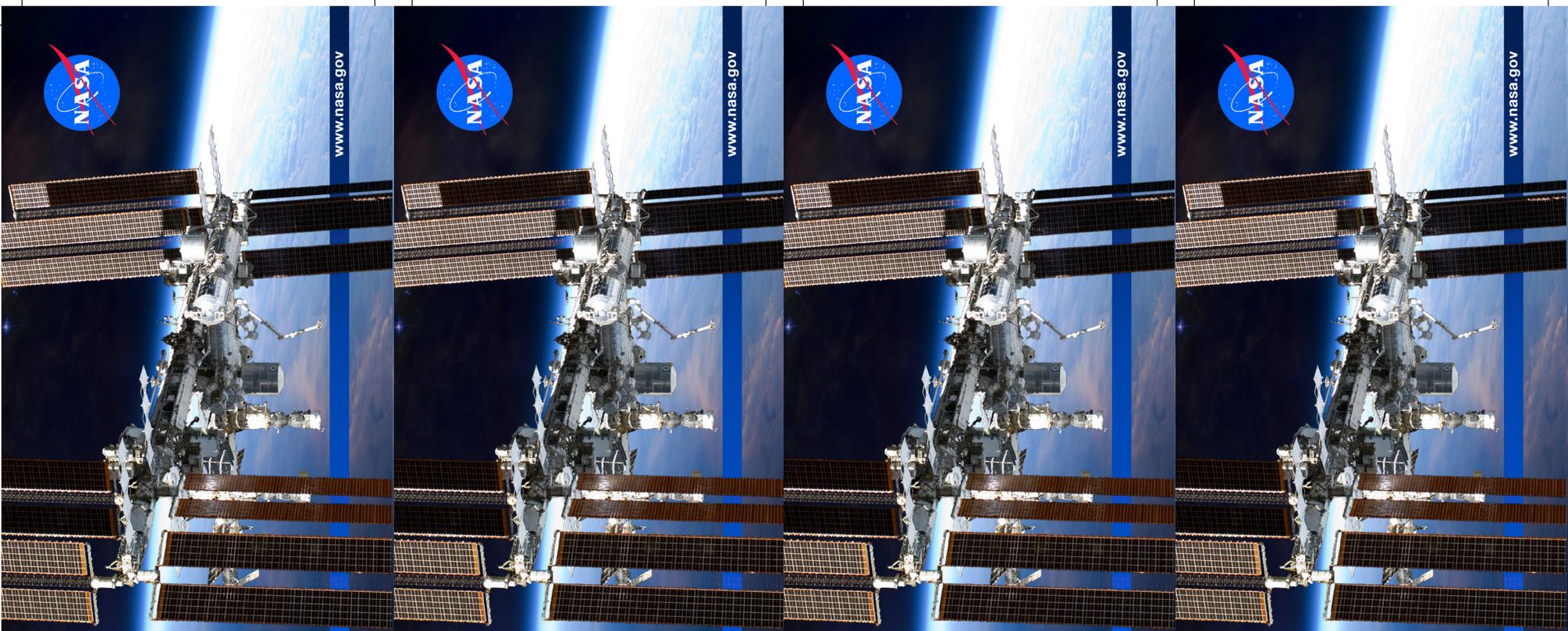
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Did You Know?

- The space station was built and is operated by 15 partner countries, is as big as a football field and has been crewed continuously since November 2000.
- About 1500 science experiments have been conducted by researchers in more than 60 countries.
- In 2005, the space station was designated as a U.S. National Laboratory.
- Salmonella, a bacteria that causes food-borne illness, becomes more virulent in space. Studying bacteria in space can lead to increased understanding of how they make us sick, as well as potential treatments.
- Capillary flow experiments – the physics of how liquid flows – are showing researchers better ways to build spacecraft and portable medical diagnostic equipment.
- Nutrition studies conducted on the space station show that diets rich in Omega-3 fatty acids are correlated with reduced bone loss.
- Candidate treatments for a form of muscular dystrophy and for testicular cancer have been developed based on space station research results.
- The space station allows scientists and researchers to monitor climate change, disaster areas and urban growth on Earth.

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