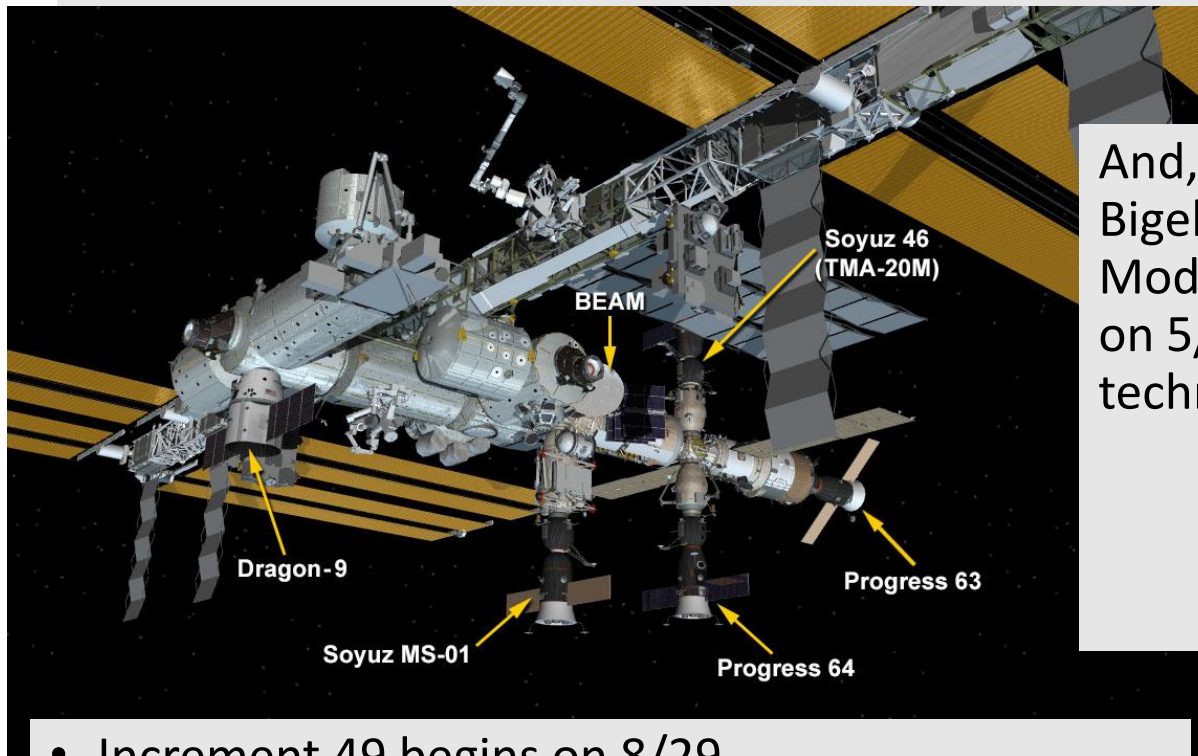


JSC S&MA Director
presentation to
2016 Tri-Lateral

The ISS has a constant flow of vehicle traffic to and from four docking ports and two berthing ports

- So far in 2016, ISS received 6 cargo vehicles and 2 crew vehicles
- Before the end of 2016, plans add another 2 crew vehicles and 5 cargo vehicles

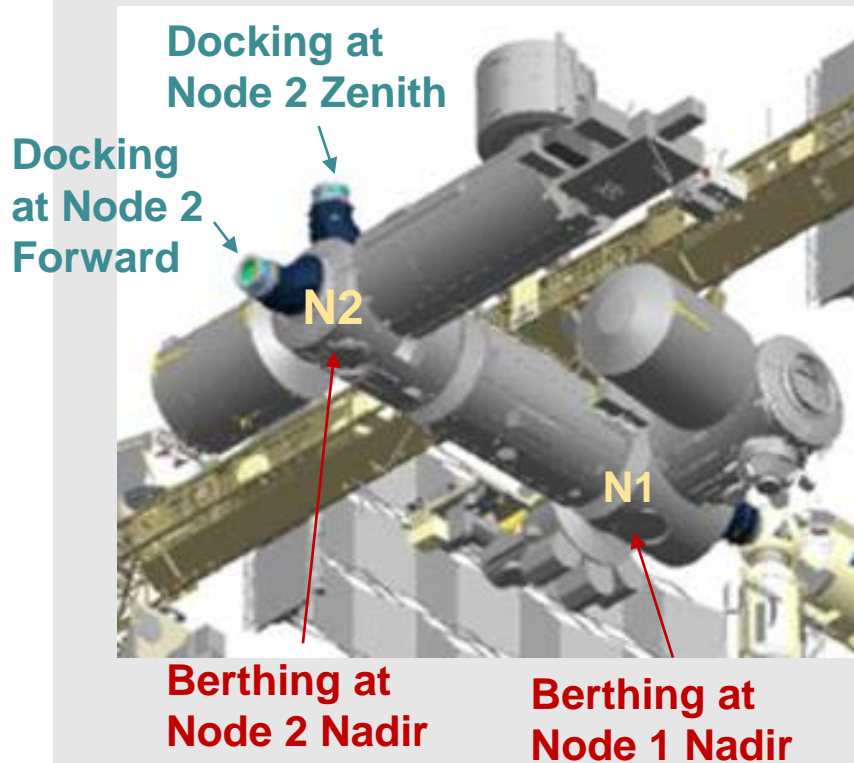


And, the first inflatable module, Bigelow Expandable Activity Module, or BEAM, was inflated on 5/28, starting a 2-year technology demonstration

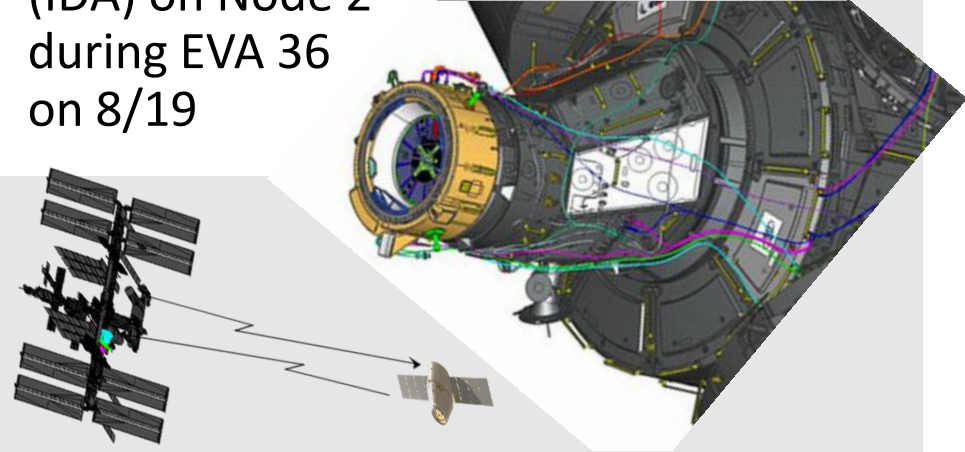


- Increment 49 begins on 8/29
- First shipment of new Li-Ion Electrical Power System batteries will be delivered on HTV-6

Outfitting ISS for the arrival of commercial crew visiting vehicles (VV) includes reconfiguring ISS to accommodate two VV docking ports and two VV berthing ports



Installing one of two International Docking Adapters (IDA) on Node 2 during EVA 36 on 8/19



And onboard testing and checkout of Common Communications for Visiting Vehicles (C2V2)

The SpaceX Dragon V2 and the Boeing Starliner are scheduled to enter service in late 2017 and in 2018, respectively. Both vehicles are currently at Phase II in their safety review processes

A sample of the utilization of space onboard the ISS



- Human health research performed during the One-Year Mission of Kelly and Kornienko is yielding beneficial knowledge on the medical, psychological and biomedical challenges faced by astronauts during long-duration spaceflight

- Rodent Research Hardware provides a platform for ongoing long-duration studies of the negative effects of microgravity on rodent body tissues



- Tropical Cyclone investigates the feasibility of studying and measuring the intensity of cyclones from space as a step toward a technology to alert populations of an approaching storm

- RapidScat is a space-based scatterometer radar instrument that measures wind speed and direction over the ocean to forecast weather, monitor hurricanes, and observe large-scale climate phenomena

