Airships: a New Horizon for Science

- **HiSentinel** - Southwest Research Institute
- **LEM-V** - Northrop Grumman
- **Blue Devil II**
- **Aeroscraft ML86X** - Aeros
- **ISIS** - Lockheed Martin
- **Titan Aerobot** - JPL & Near Space Corporation
AIRSHIP VEHICLE PLATFORMS

- mission longevity
- payload flexibility & ease of recovery
- manoeuvrability
- communications/data retrieval
Stratospheric

60,000 - 75,000 ft

Hybrids

16,000 - 40,000 ft

Intermediate

Low Altitude

heavy cargo

< 12,500 ft

OPERATIONAL ALTITUDE
COORDINATED AIRSHIP RESEARCH STATION

Multi-vantage Earth-sensing and Atmospheric Studies

Planetary Science from Earth and Beyond

Multi-wavelength Astrophysics and Cosmology

- Transient spectroscopic follow-up
- Persistent stare on arctic and sub-arctic
- Molecules hidden from ALMA
- Discover THz sky
- Vertical profiles of the carbon-cycle
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**a New Horizon for Science**

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