R/V Sally Ride

Science Verification Cruise ROV JASON / Telepresence

Bruce Appelgate Associate Director Scripps Institution of Oceanography tba@ucsd.edu

Objectives

UCSan Diego

- 1. Demonstrate the ability of Sally Ride to carry out ROV JASON operations, and
- 2. Conduct telepresence activities using high-bandwidth HiSeasNet satcoms.

SALLY RIDE

JASON group objectives: Sally Ride SVC

- Demonstrate assembly of JASON single-body ROV system on vessel
- Assure power, vessel load and deck loading are adequate
- Test mobilization time how long?
- Test JASON ability to take DP control and move ship
- Sally Ride HiPAP USBL system: Calibrate, then use HiPAP for all dives, compare to Sonardyne
- Estimate sea state limits for Sally Ride using tension and MRU data
- Record JASON winch MRU and tension data for comparison to others
- Operate Rapp winch in AHC and record power input
- Demonstrate single body LARS operations
- Demonstrate basic science capabilities
 - Install JASON science tool sled, test Jimmy's capacity for reconfiguring
 - Science objectives as desired by PI's contributing to mission
- Test the system through Medea during the MOB, not sub sea
- Conduct JASON engineering tests during dives
 - Untwist cable using heavy lowering, test spare topside computer, spare joybox, NAV testing, manipulators, new pilot GUI, pilot training, debug nav software





R/V Sally Ride Science Verification Cruise SR1612 - ROV JASON









R/V Sally Ride Telepresence

Explane IVV Salty Rose a high tech ship for a new era of ocean exploration and discovery

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