Rolling Deck to Repository

2015 RVTEC Update
Cruise Catalog

- retired *New Horizon, Knorr, Melville*
- *Point Sur* moved to LUMCON
- *Sikulialq* joined
- NOAA test project with *Ron Brown, Okeanos*
- *Falkor* joined
- started profiles for *Armstrong, Sally Ride*
- crossdeck six older vessels
Data Types/Volume

Currently:
  25 In-Service Vessels
  ~400 Cruises/Year
  ~400 Instrument Systems

Total as of November 2015:
  5,822 Cruises
  20.1M Files Archived

Instrument Types:
  ADCP
  Anemometer
  Camera
  CTD
  Expendable Probe
  Flowmeter
  Fluorometer
  GNSS/INS
  Gravimeter
  Gyrocompass
  Magnetometer
  Met Station
  Multibeam
  pCO2
  Radar
  Radiometer
  Rain Gauge
  Singlebeam
  Speed Log
  SSV
  Thermometer
  Timeserver
  Transmissometer
  TSG

New cruises since R2R launch in 2009
Additional/legacy cruises
Development Work

• Released Nav Manager code  http://github.com/rvdata

• Launched Vessel Profiler  http://tech.rvdata.us

• Started publishing Digital Object Identifier (DOI) for every cruise

• Dropped Vessel Tracker page

• All operators now submitting Cruise Personnel Manifests, R2R provides annual summary to UNOLS Office
Community Projects

- EarthCube – build new tools to find and reuse research data

R2R participates in EarthCube projects

- SeaView
- GeoLink
- X-DOMES

Goal: Link cruise data across repositories, raise visibility of the US academic fleet

- ODIP – interoperability between national/regional fleets
Looking Ahead

• Upgrade R2R server/network infrastructure for ever-increasing data volumes

• Add search interface to Web site

• WG to define spec for end-of-cruise instrument summary?

• Advisory Panel meeting (SIO early 2016), will include reps from RVTEC and NCEI
Acknowledgements

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