



# ARVOC Equipment/Instrumentation Recommendations

**Raytheon**

- **FRRF** - The USAP currently owns one. This system is used by the Palmer Station LTER from October - March each year. Each year we receive requests for an additional instrument during the austral summer ~\$40K
- **PRR** - The USAP currently owns one. This system is used by the Palmer Station LTER from October - March each year. Each year we receive requests for an additional instrument during the austral summer ~\$80K
- **Hobilabs Hydroscat 4** - specifically requested by the Palmer Station LTER. <http://www.hobilabs.com/cms/index.cfm/37/152/1253/1265> ~\$16K
- **Iridium "pipeline"** – This is really an IT issue but could be very useful to science onboard. The pipeline would sent data at ~9600baud or ~70MB/day.
- **ROV** - RPSC has been seeing increased requests for ROVs over the past couple years. The USAP Hyball ROV is old and outdated. We would like input on a new ROV. Would it be more beneficial to have a larger, more capable ROV (~\$100K) or would something small be suitable (~\$15K)?
- **ISUS Nitrate Analyzer** - This item has been specifically requested by Walker Smith but could be used by various science projects ~\$29K