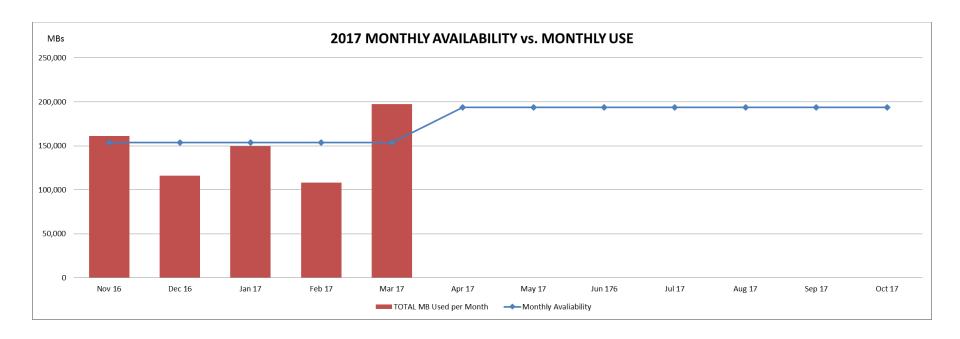
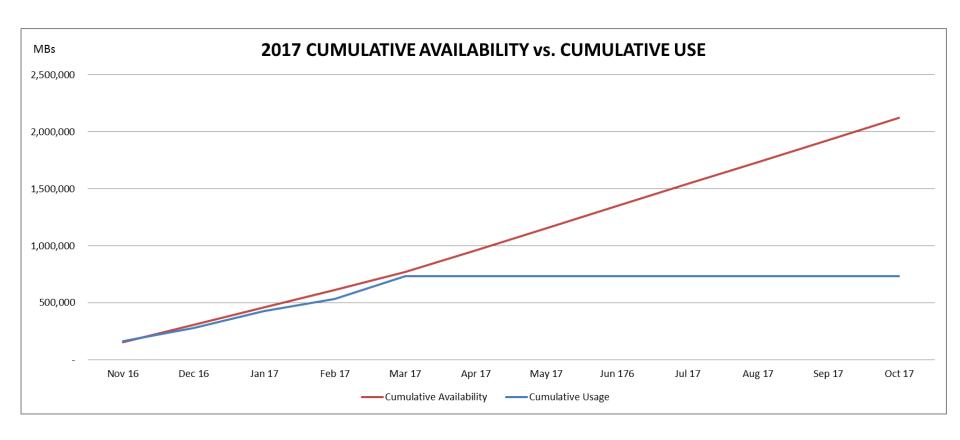
# 2016 – 2017 FBB/HSN Program

- Reduced FBB Pool Purchase to 150 GB per Month in November 2016
- Current rate is \$0.70 per MB
- Over 75 FBB Systems currently in use
- HiSeasNet AOR and both Ku-band services have been boosted to new bandwidths:
  - AOR/POR now has 2Mbit shore-to-ship to share with 256 kbps ship-to-shore.
  - Ku 1 has 768kbps, and Ku2 has 1Mbit.

# 2017 Monthly FBB Supply - Demand



### 2017 Cumulative FBB Supply - Demand



### **CURRENT SAT COMMS SYSTEMS**

- INMARSAT Fleet-Express (Fx) Update:
  - Combination of Ka and L (FBB) bands
  - Gx100 Ka Antennas are 1 meter antennas
  - Purchased 6 Gx100 Ka antennas:
    - Revelle September 2015
    - Armstrong February 2016
    - Sikuliaq March 2016
    - Palmer June 2016
    - Oceanus January 2017
    - Atlantic Explorer March 2017

### CYRRENT SAT COMMS SYSTEMS

- INMARSAT Data Plan:
  - \$4,250/month for as much data as can be passed through 2 Mbps (shore to ship) & 512 Kbps (ship to shore) Ka bandwidth and 432 Kbps FBB bandwidth
  - More bandwidth available as systems become global
- Plans for more Fx Systems into Operation to reduce cost for April 2017 increase of FBB Pool to 190 GB per Month
- 2017 RVTEC Subcommittee continues to review fleet needs