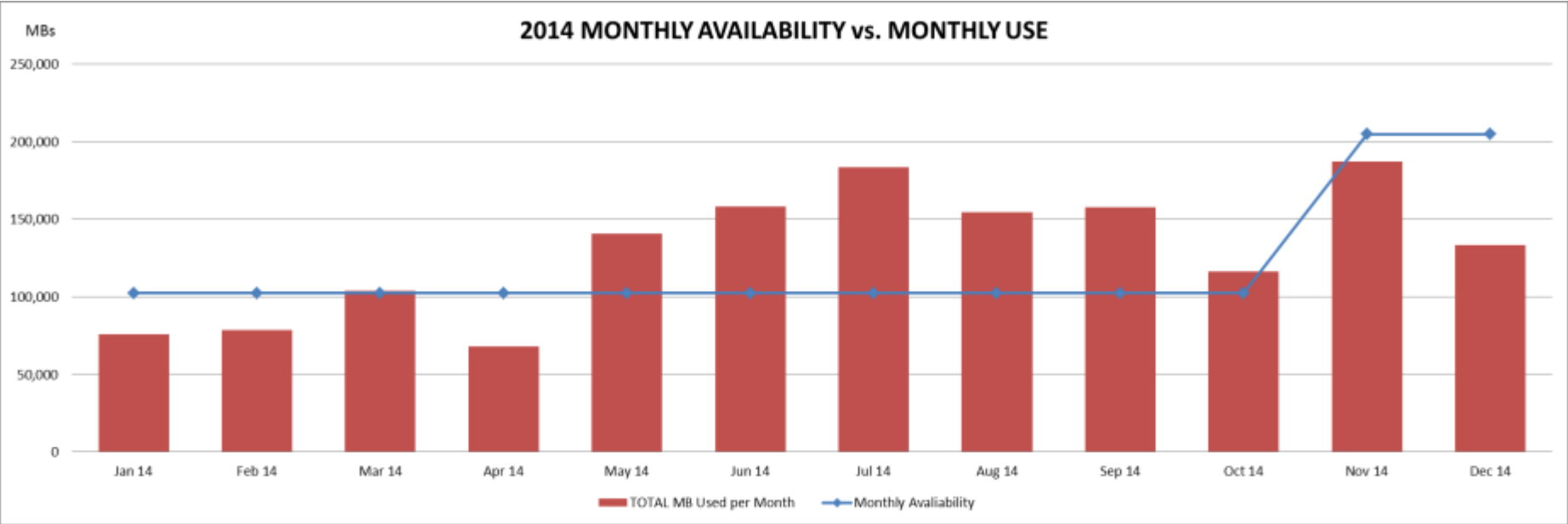


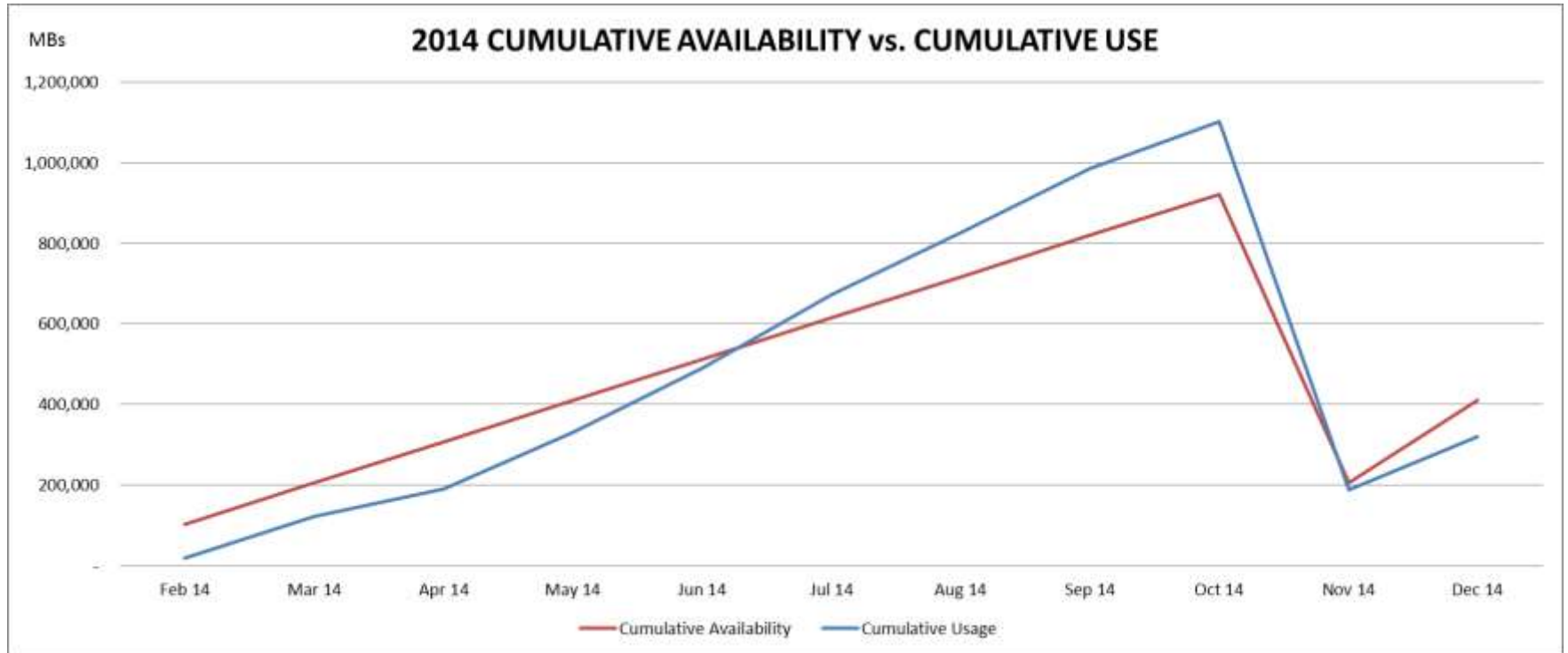
2014 – 2015 FBB/HSN Program

- **Upgraded FBB Program to 204,800 MB per Month in November 2014**
- **Current rate is \$0.70 per MB**
- **45 FBB Systems currently in use**
- **HiSeasNet AOR and both Ku-band services have been boosted to new bandwidths:**
 - **AOR now has 2Mbit shore-to-ship to share with 256 kbps ship-to-shore.**
 - **Ku 1 has 768kbps, and Ku2 has 1Mbit.**
 - **POR expansion took place this month**

2014 Monthly FBB Supply - Demand



2014 Cumulative FBB Supply - Demand



FUTURE SAT COMMS SYSTEMS

- INMARSAT GlobalXpress Update:
 - Combination of Ka and L (FBB) bands
 - Purchasing 3 Gx100 Ka antennas for Testing
 - Gx100 Ka Antennas are 1M antenna with Radome dimensions of 1.3 m by 1.5 m.
- RVTEC Subcommittee looking at bandwidth and speed needs for the future

FUTURE SAT COMMS SYSTEMS

- INMARSAT Data Plan:
 - \$4,200/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
 - Service Availability:
 - Indian Ocean: Currently Available
 - Atlantic Ocean: September 2015
 - Pacific Ocean: December 2015