2012 – 2013 FBB Program

• Upgraded FBB Program to 102,400 MB per Month in November 2011
• Current rate is $0.93 per MB
• 27 Systems currently in Use
• Added Several Ship Systems in 2012 & OOI Systems & Sikuliaq being added in 2013
• SOPs and tools to Manage use continue to be developed, ShipSat, Daily Limits, etc.
FUTURE SAT COMMS SYSTEMS

• INMARSAT Preparing GlobalXpress;
  • Near Global (FBB Comparable) Coverage
  • Combination of Ka and L (FBB) bands
  • 2 Antennas Ka antenna approximate size of FBB
  • Speeds to 50 Mbps
  • Late 2014 to early 2015 implementation

• RVTEC Subcommittee looking at bandwidth and speed needs for the future
2010 Cumulative FBB Supply - Demand

2010 CUMULATIVE AVAILABILITY vs. CUMULATIVE USE

MBs

Jan 10  Feb 10  Mar 10  Apr 10  May 10  Jun 10  Jul 10  Aug 10  Sep 10  Oct 10  Nov 10  Dec 10

Cumulative Usage  Cumulative Availability
2010 Monthly FBB Supply - Demand

MONTHLY AVAILABILITY vs. MONTHLY USE

MBs

Jan 10 Feb 10 Mar 10 Apr 10 May 10 Jun 10 Jul 10 Aug 10 Sep 10 Oct 10 Nov 10 Dec 10

TOTAL MB Used per Month Monthly Availability
2011 Cumulative FBB Supply - Demand
2011 Monthly FBB Supply – Demand

2011 MONTHLY AVAILABILITY vs. MONTHLY USE

- **MBs**
  - **Jan 11**: 10,000
  - **Feb 11**: 5,000
  - **Mar 11**: 10,000
  - **Apr 11**: 15,000
  - **May 11**: 100,000
  - **Jun 11**: 80,000
  - **Jul 11**: 60,000
  - **Aug 11**: 100,000
  - **Sep 11**: 140,000
  - **Oct 11**: 120,000
  - **Nov 11**: 70,000
  - **Dec 11**: 50,000

- **Legend**:
  - **TOTAL MB Used per Month**
  - **Monthly Availability**
2012 Cumulative FBB Supply - Demand

2012 CUMULATIVE AVAILABILITY vs. CUMULATIVE USE

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2013 Cumulative FBB Supply - Demand

2013 CUMULATIVE AVAILABILITY vs. CUMULATIVE USE

MBs

1,400,000

1,200,000

1,000,000

800,000

600,000

400,000

200,000

-200,000


Cumulative Usage  Cumulative Availability
2013 Monthly FBB Supply – Demand

2013 MONTHLY AVAILABILITY vs. MONTHLY USE

- Bar chart showing monthly supply and demand from January 13 to December 13.
- The supply in March 13 is significantly lower than the other months.
- The monthly availability is consistently high throughout the year.