RVTEC November 2016 - FBB

- Program established 1 January 2010
- Program extended through Oct 2018
- User count increased from 75 to 100
- Rate has been steady at $0.70/MB
- Total FBB pool size reduced from 204 GB to just over 150 GB/Month as Fx phases in
• Unused balance will carry-forward month to month w/in annual period
• If user pool exceeds allowance, use rate continues at $0.70/MB
• FTP site, ftp.whoi.edu, contains user usage data w/Password protection.
• Plan has allowances for Fleet Express Transition
• Fleet Express transitioning to commercial activation. Existing 2016 units include:
  Revelle Palmer
  Sikuliaz Armstrong
• New Systems Purchased for 2017 include
  Oceanus Atlantic Explorer
• Service Plan is a $4,250 flat monthly rate for both Ka and L (FBB) bands
RVTEC November 2016 – Fx

• 2 Mbps/1 Mbps MIR
• 512 Kbps/256 Mbps CIR
• Burst Capabilities for higher bandwidth
• Aspects of Installation:
  • Antenna location
  • Need to be “commissioned” by Inmarsat
  • Network Service Device (NSD) Installation & Function within the shipboard network
RVTEC November 2016 – FBB

2016 CUMULATIVE AVAILABILITY vs. CUMULATIVE USE

- MBs
- Nov 15, Dec 15, Jan 16, Feb 16, Mar 16, Apr 16, May 16, Jun 16, Jul 16, Aug 16, Sep 16, Oct 16

- Cumulative Availability
- Cumulative Usage
RVTEC November 2016 – FBB

2016 MONTHLY AVAILABILITY vs. MONTHLY USE

<table>
<thead>
<tr>
<th>Month</th>
<th>MBs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov 15</td>
<td>200,000</td>
</tr>
<tr>
<td>Dec 15</td>
<td>150,000</td>
</tr>
<tr>
<td>Jan 16</td>
<td>100,000</td>
</tr>
<tr>
<td>Feb 16</td>
<td>100,000</td>
</tr>
<tr>
<td>Mar 16</td>
<td>150,000</td>
</tr>
<tr>
<td>Apr 16</td>
<td>150,000</td>
</tr>
<tr>
<td>May 16</td>
<td>200,000</td>
</tr>
<tr>
<td>Jun 16</td>
<td>150,000</td>
</tr>
<tr>
<td>Jul 16</td>
<td>175,000</td>
</tr>
<tr>
<td>Aug 16</td>
<td>200,000</td>
</tr>
<tr>
<td>Sep 16</td>
<td>200,000</td>
</tr>
<tr>
<td>Oct 16</td>
<td>200,000</td>
</tr>
</tbody>
</table>

TOTAL MB Used per Month
Monthly Availability