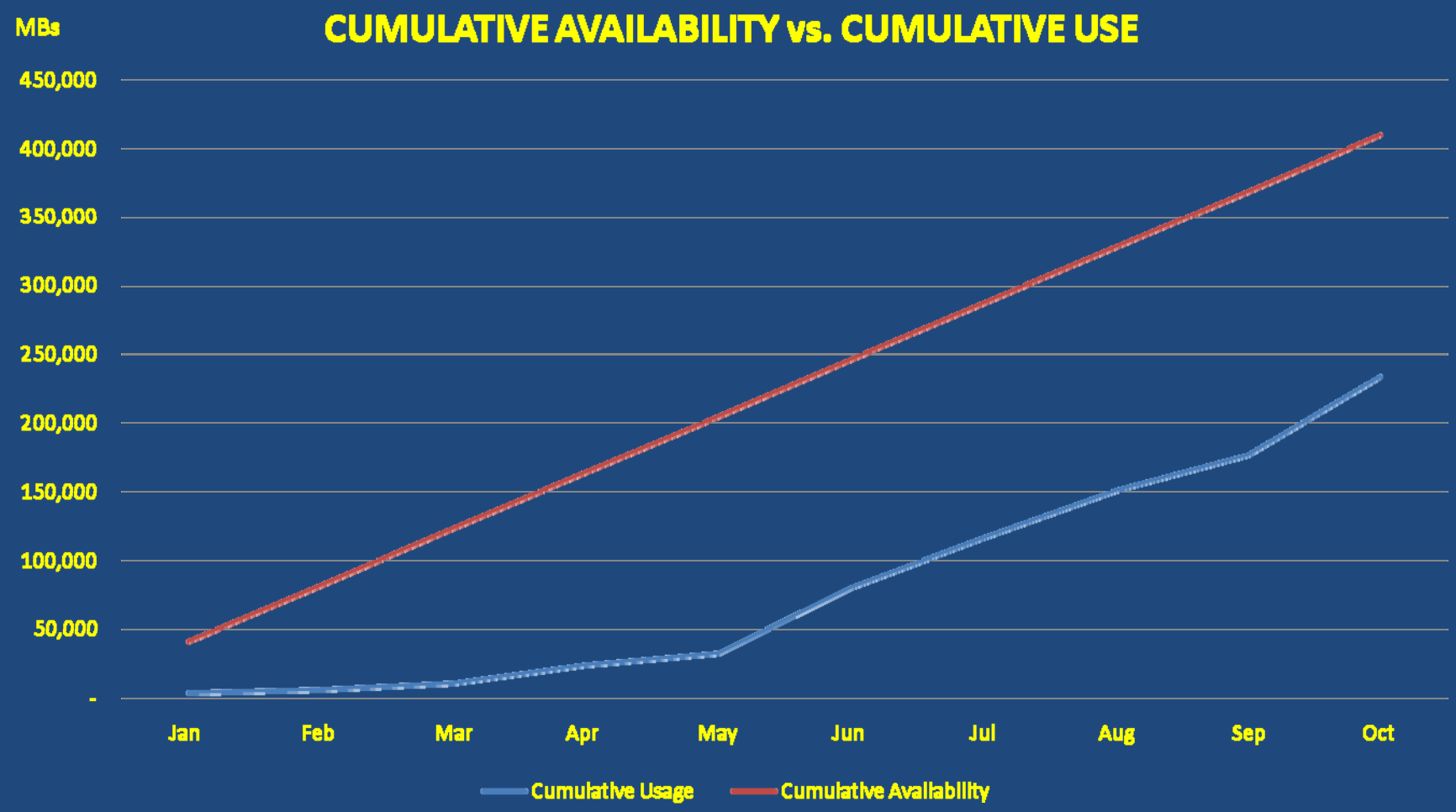
RVTEC November 2010 - FBB

- Program established 1 January 2010
- Program covers 3 years for 20 users
- Rate reduced from $11.34/MB to $1.52/MB
- Total pool size established at just over 40 GB/Month

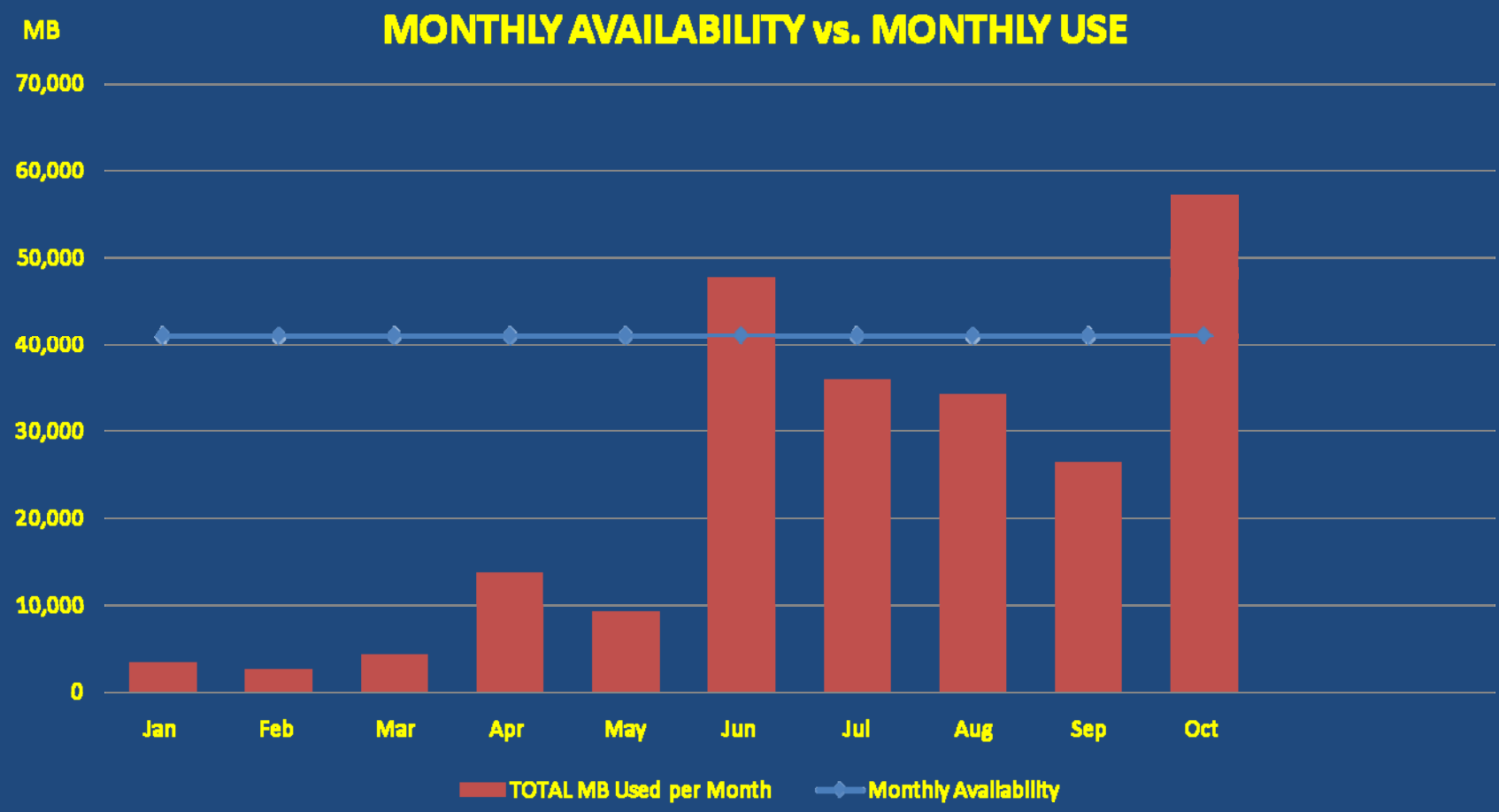
RVTEC November 2010 - FBB

- Unused balance will carry-forward month to month for 1 year period
- Within one year period, use or lose
- Negotiating Carry-Forward Allowance in YEAR 1 to 2 Only
- Add more ships?
- If user pool exceeds allowance, use rate increases to $2.28/MB
- FTP site, ftp.whoi.edu, established to allow users to monitor usage. Member institutions provided with individual user and password login information

RVTEC November 2010 – FBB



RVTEC November 2010 – FBB



Discussion

- FBB is being used more recently. This is good, will continue to monitor
- How often was it necessary to switch from HSN to FBB?
- Feedback on one system vs. the other
- Best Practices? e.g. SIO on Melville
- Other alternatives?

Fleet Broadband Network

- Some interesting information that will help you check their performance.

Fleet Broadband Network

- **There is a hidden technical webpage viewer, accessible through your Internet browser.**

- **This webpage has information that will help you decide whether the system is at fault, or somewhere else.**

Maintenance Page

Type in your Web Browser: (case sensitive)

http://192.168.0.1/index.lua?pageID=Maintenance

NOTE!
Maintanence page
Hidden maintenance page.
Use the below URL.

http://192.168.0.1/index.lua?pageID=Maintenance

Java engine will
have to be installed.

http://192.168.0.1/index.lua?pageID=Maintenance

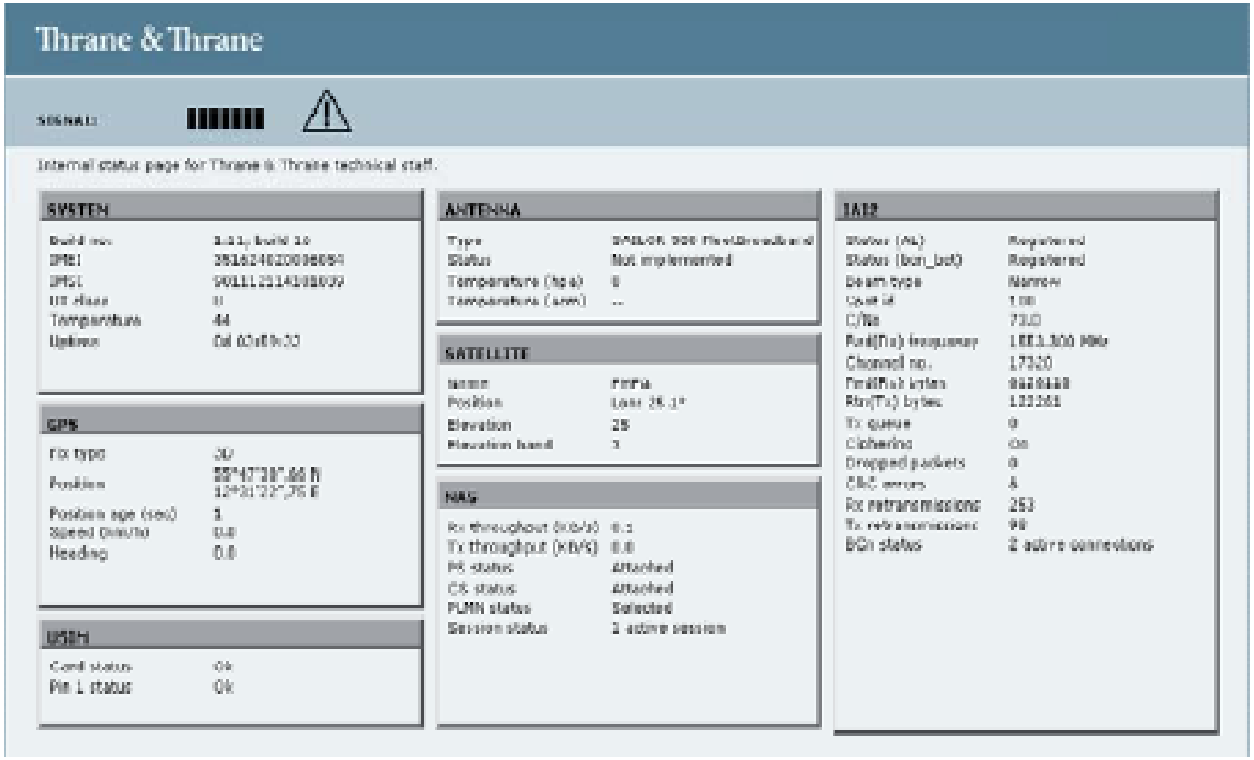
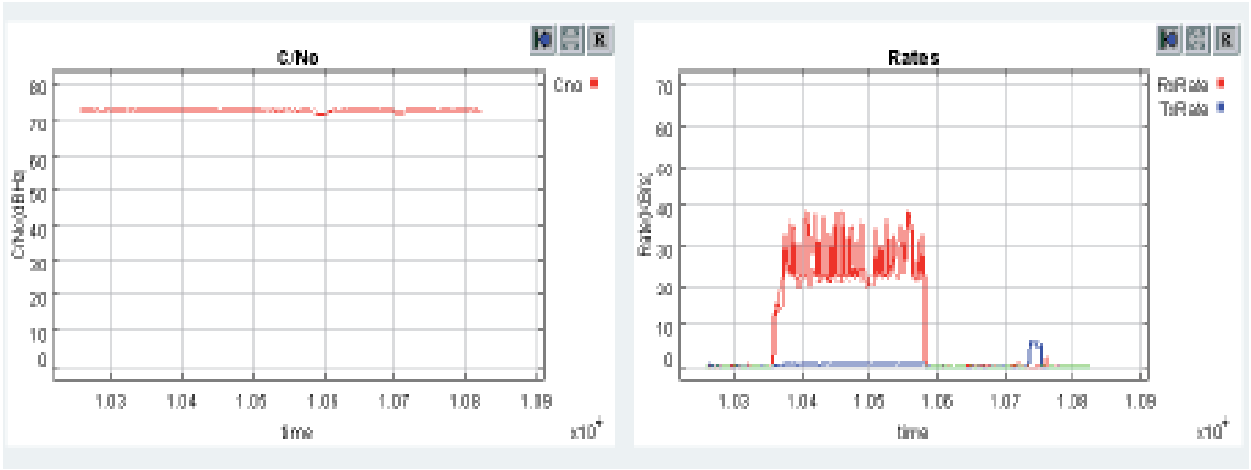


Figure 5-30



Maintenance Page

Here is a recent copy *of the Atlantis webpage...*

SIGNAL: [redacted]

Internal status page for Thrane & Thrane technical staff.

SYSTEM

Build no.	1.12, build 3
IMEI	351624020001436
IMSI	901112114105600
UT class	8
Temperature	44
Uptime	12d 02:22:26

GPS

Fix type	3D
Position	26°23'30",24 N 94°30'43",80 W
Position age (sec)	1
Speed (km/h)	0.7
Heading	0.0

USIM

Card status	Ok
Pin 1 status	Ok

ANTENNA

Type	SAILOR 500 FleetBroadband
Status	Not implemented
Temperature (hpa)	34
Temperature (acm)	--

SATELLITE

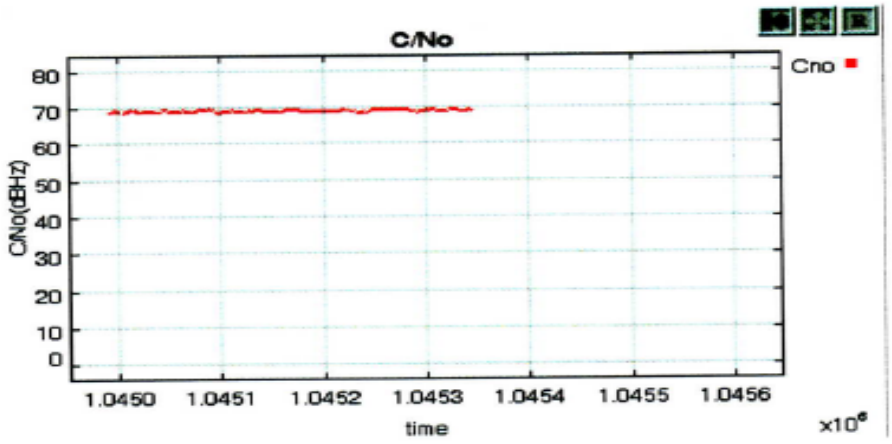
Name	Americas
Position	Lon: 97.6°
Elevation	58
Elevation band	4

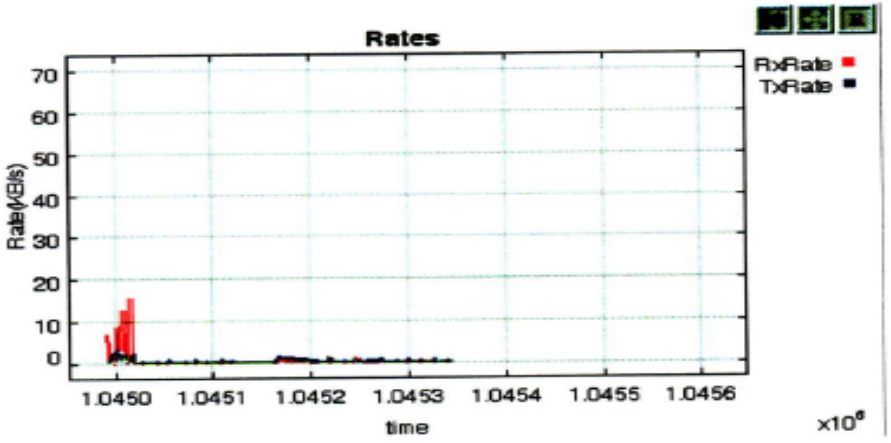
NAS

Rx throughput (KB/s)	0.5
Tx throughput (KB/s)	0.0
PS status	Attached
CS status	Attached
PLMN status	Selected
Session status	1 active session

IAI2

Status (AL)	Registered
Status (bcn_bct)	Registered
Beam type	Narrow
Spot id	127
C/No	68.9
Fwd(Rx) frequency	1540.100 MHz
Channel no.	12040
Fwd(Rx) bytes	364285037
Rtn(Tx) bytes	285213891
Tx queue	0
Ciphering	On
Dropped packets	22362
CRC errors	9744
Rx retransmissions	230804
Tx retransmissions	98554
BCn status	2 active connections



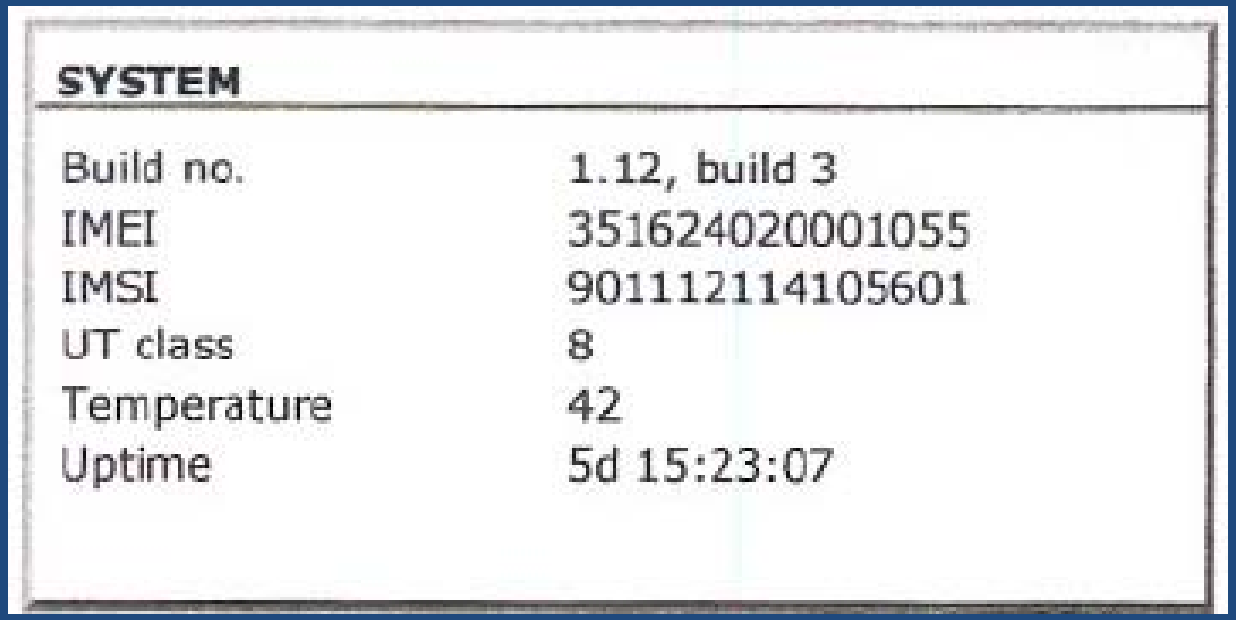


Dashboard

Maintenance Page

Contains valuable information about:

- **System ID numbers, & temperature of terminal.**

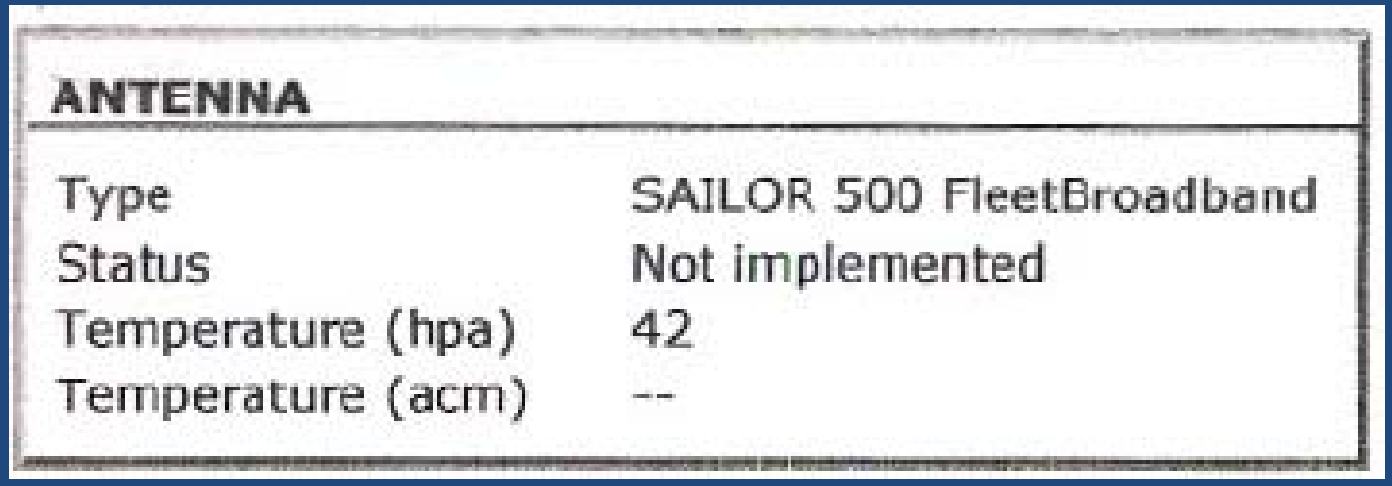


SYSTEM	
Build no.	1.12, build 3
IMEI	351624020001055
IMSI	901112114105601
UT class	8
Temperature	42
Uptime	5d 15:23:07

Maintenance Page

Contains valuable information about:

- **Antenna type, High power amplifier temperature (HPA).**

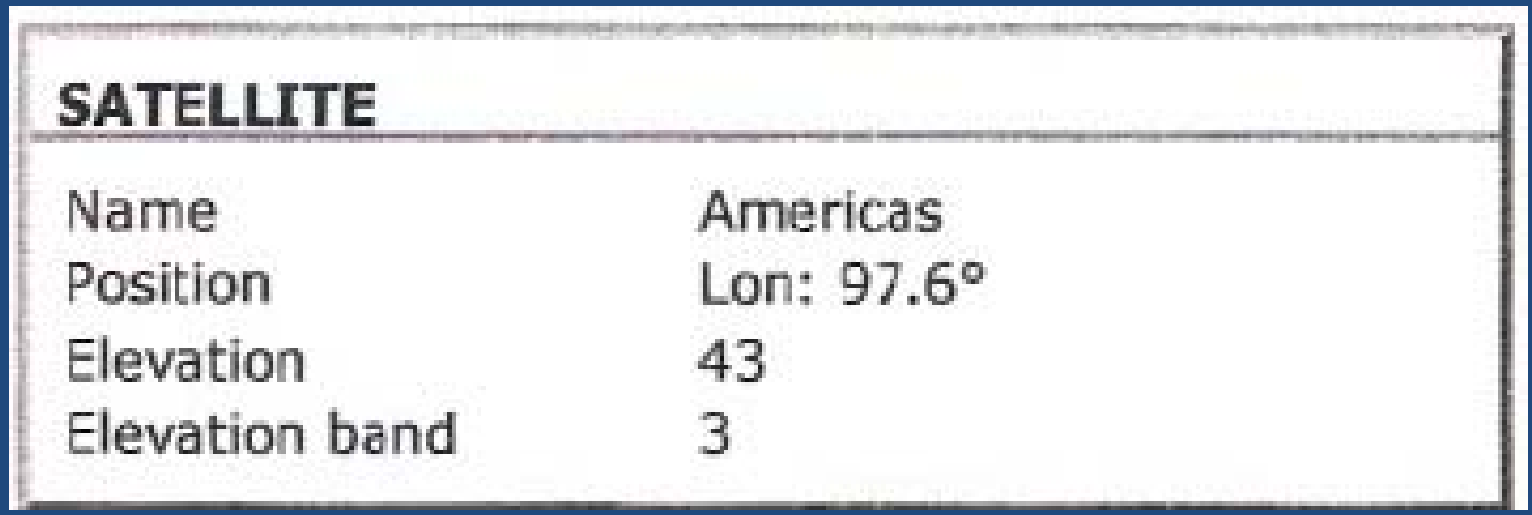


ANTENNA	
Type	SAILOR 500 FleetBroadband
Status	Not implemented
Temperature (hpa)	42
Temperature (acm)	--

Maintenance Page

Contains valuable information about:

- **Satellite being used, Longitude and elevation of satellite.**
- **(Note, you can use the Longitude to estimate the direction in relation to the vessel's heading (*to check for shadowing*.)**



SATELLITE	
Name	Americas
Position	Lon: 97.6°
Elevation	43
Elevation band	3

Maintenance Page

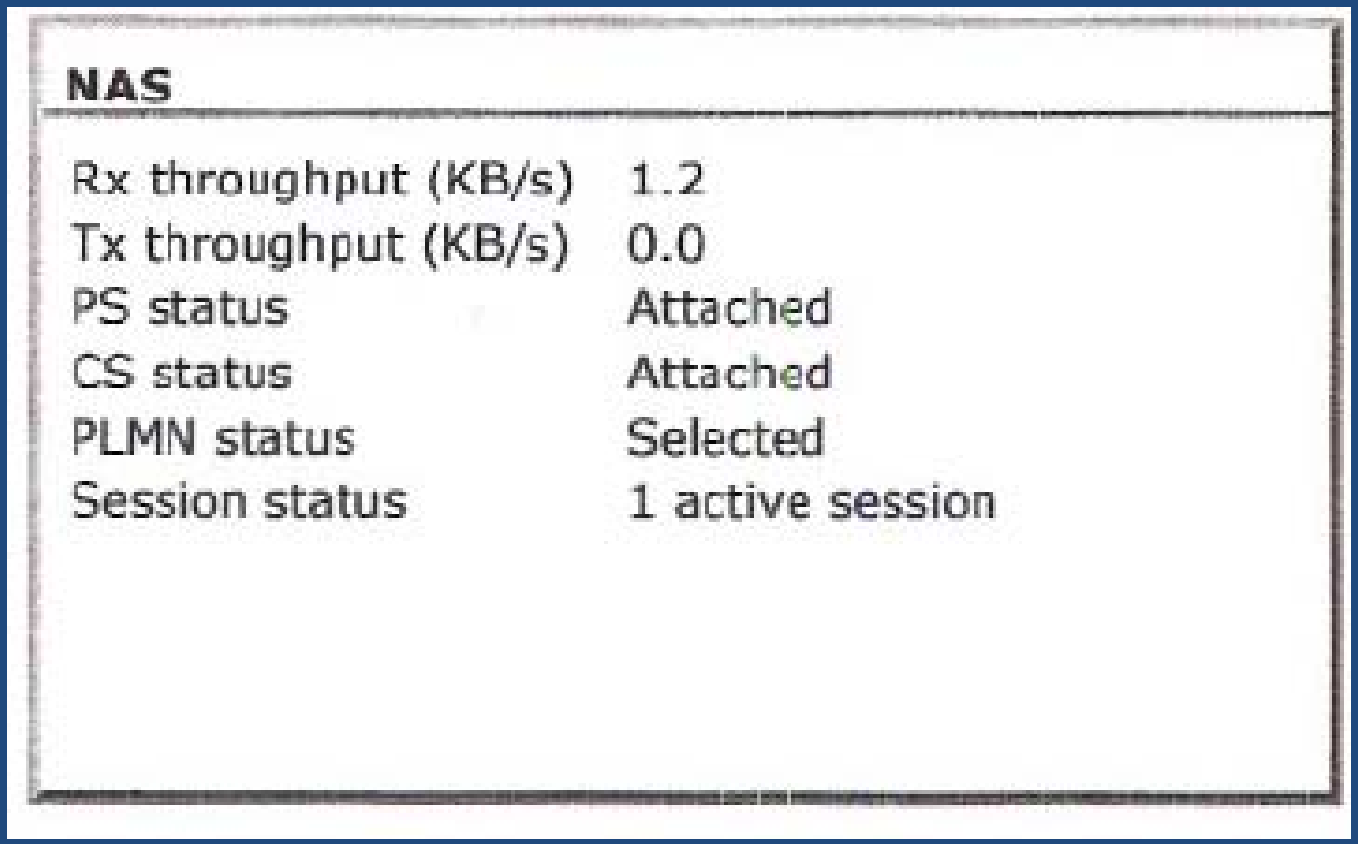
- **System status. beam type & spot number, transmit & receive frequencies/data information through the pipeline.**

IAI2	
Status (AL)	Registered
Status (bcn_bct)	Registered
Beam type	Narrow
Spot id	193
C/No	67.5
Fwd(Rx) frequency	1534.100 MHz
Channel no.	9640
Fwd(Rx) bytes	2602484013
Rtn(Tx) bytes	362487367
Tx queue	0
Ciphering	On
Dropped packets	0
CRC errors	84
Rx retransmissions	25224
Tx retransmissions	32005
BCn status	2 active connections

Maintenance Page

Contains valuable information about:

- **Network-attached Storage (NAS): RX & TX throughputs, number of active or inactive sessions.**

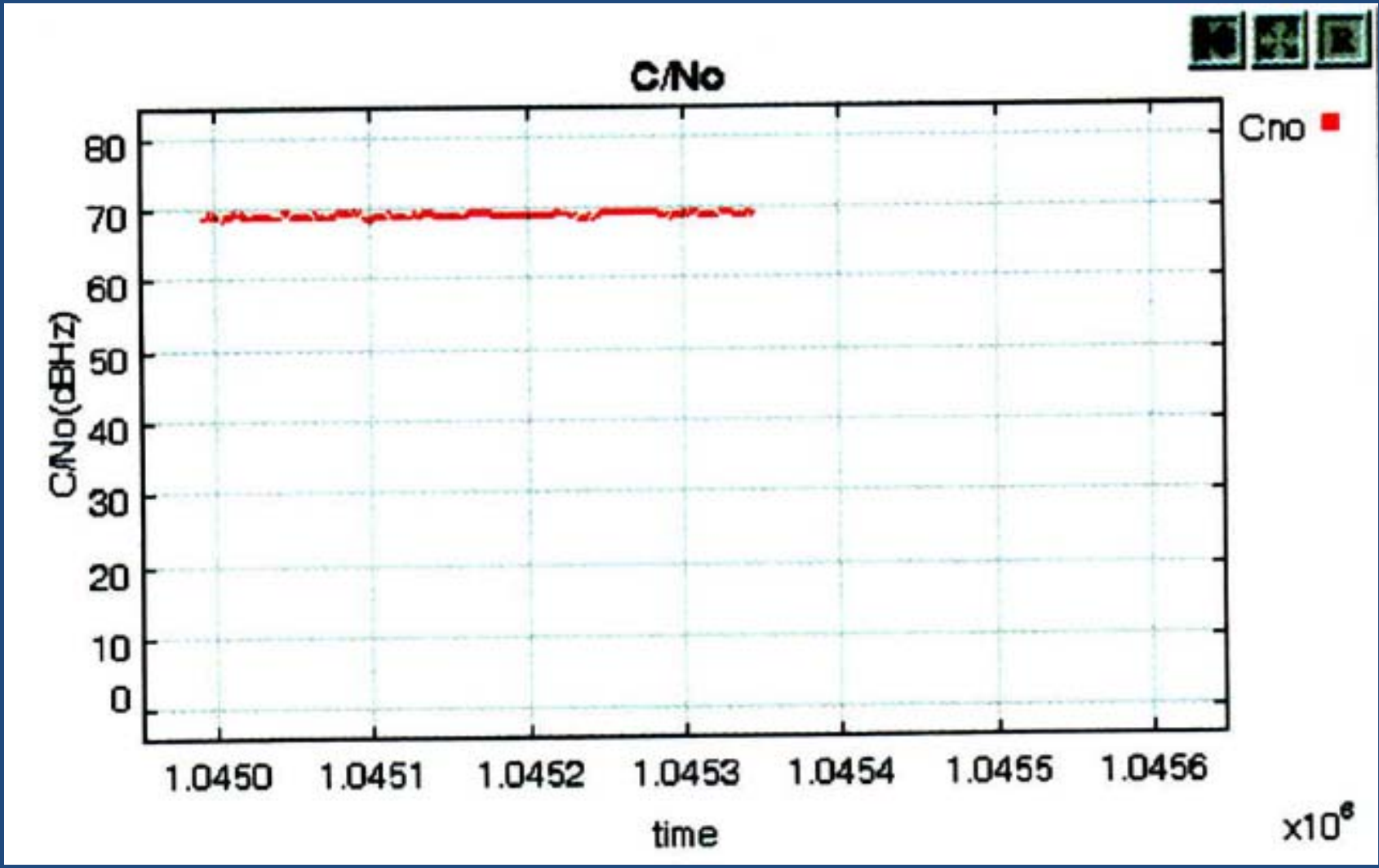


NAS	
Rx throughput (KB/s)	1.2
Tx throughput (KB/s)	0.0
PS status	Attached
CS status	Attached
PLMN status	Selected
Session status	1 active session

Maintenance Page

Contains valuable information about:

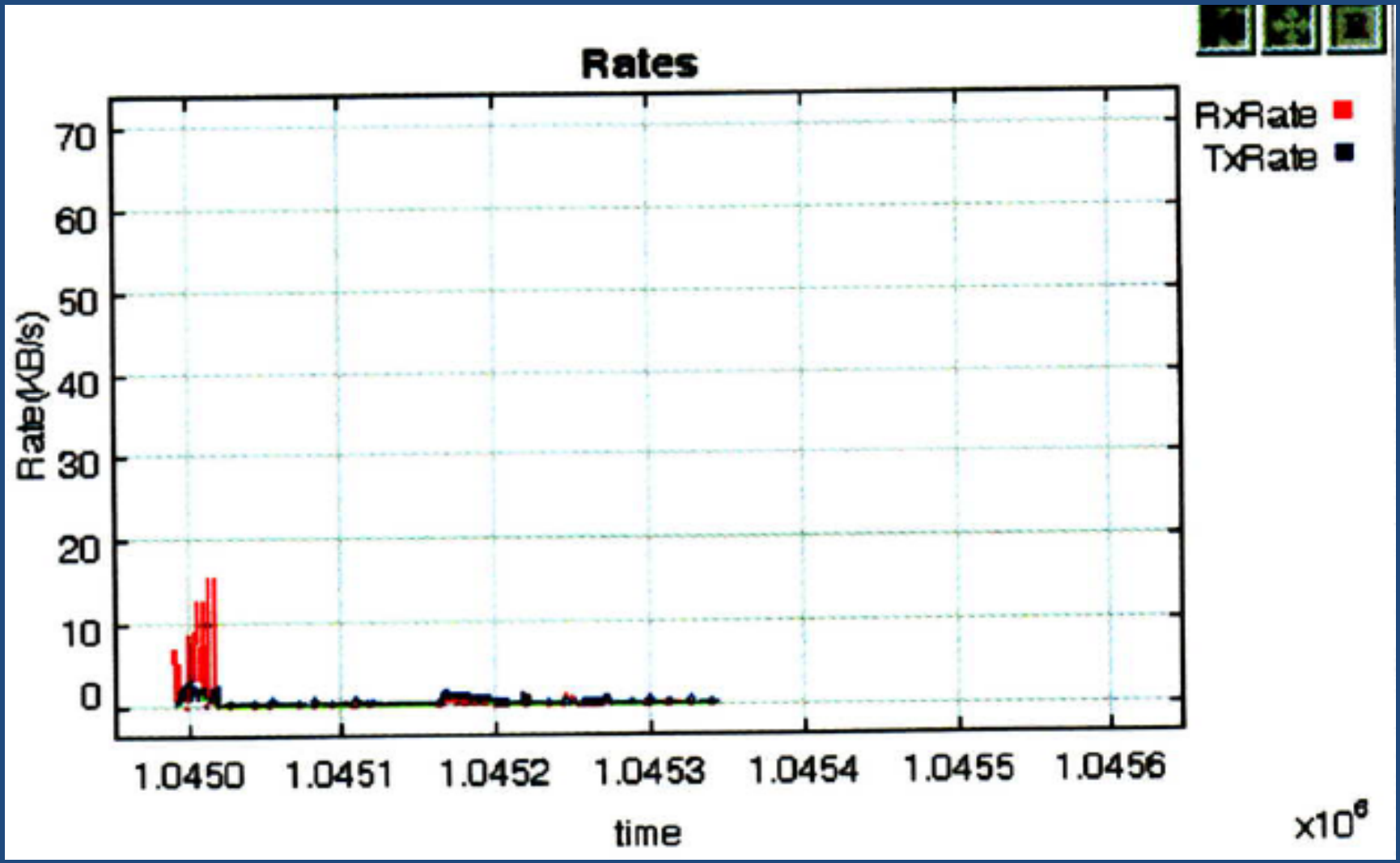
- **Carrier to Noise (C/No) signal levels.**



Maintenance Page

Contains valuable information about:

- **Actual data TX & RX rates through the satellite pipeline .**



Here is a handy Telnet trick:

Type:

telnet:/$ cnav –m pos

- **This will give you more of the same information, only more detailed.**

If the packet sizes are in the millions-

- the radome is probably being shadowed.