![prodemge]	**TERMO DE ACEITE TÉCNICO**

Solicitante: SES – Secretaria de Estado de Saúde de Minas Gerais		**Data:** 28/12/2011

NOC/Operadora: Bruno Resston Moreira	**Operadora/Cliente:** Antonio Gonçalves

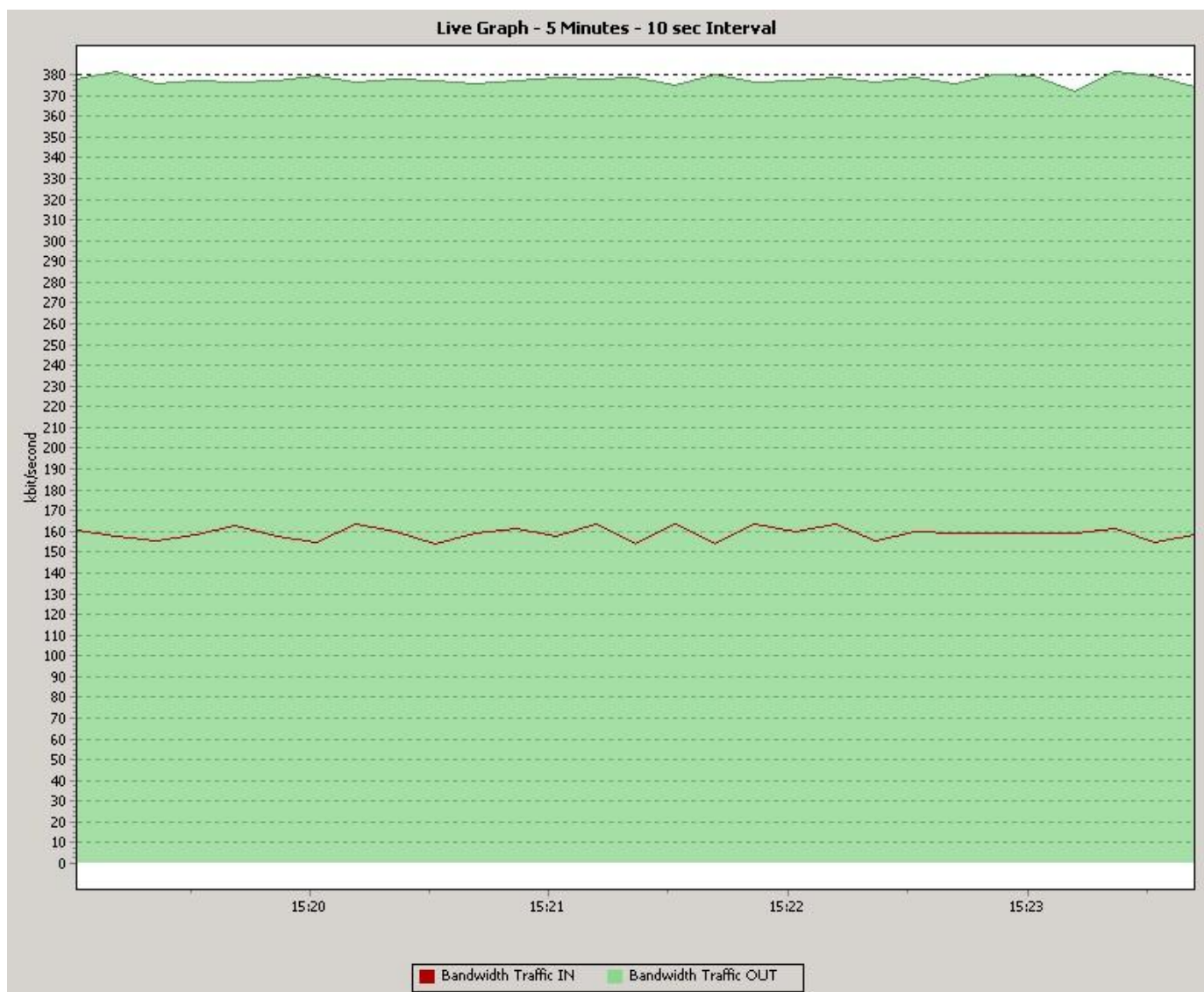| **GRE/Prodemge:** Douglas Alvares	**Responsável/cliente:** Celso Carlos de Jesus

Consórcio STM/Vodanet	**VSAT-ID** SES-BOIM-0665	**Porta kbps** 384/153	**Plataforma** VSAT

Live Graph - 5 Minutes - 10 sec Interval

Bandwidth Traffic IN   Bandwidth Traffic OUT

```
IP DVB: 10.148.0.4/24


Satellite (DVB) RX Configuration
-------------------------------
Auto start          : Enabled
Max MODCOD          : 15    8PSK-5/6 (SNR threshold: 9.6 dB)
ACM Latency         : On
RX watchdog         : 15 minute


Idx  Pri  SymbRate[Msps]  Freq[GHz]  Mode   PopId   Enable
* 0   0      7.120000     11.583700  DVB-S2 2          Yes


Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
```

```
Network              : 65281,  Prodemge@Vodanet
Frequency            : 11.583940 GHz
Symbol Rate          : 7.119880 Msps
S2 ModCod
      - receiving    : 13   8PSK-2/3
      - current max  : 15   8PSK-5/6
Pilot                : On
Frame length         : Short
DVB S2 Mode          : ACM
Roll off             : 0.25
SNR                  : 12.4 dB
Input Power          : -34 dBm

 Satellite (DVB) TX Configuration
 -------------------------------
 Auto start          : Enabled
 IDU Output Power    : -11 dBm
 IDU Max Output Power: 0.0 dBm
 ODU Output Power    : 33.0 dBm
 EIRP                : 46.5 dBW
 Default CW Frequency: 0.000000 GHz
 ATM mode            : VC-Mux
 Header Compression  : UDP/IP/DSM-CC


 Satellite (DVB) Transmitter Status
 -------------------------------
 State               : On (TDMA)
 IDU Output Power    : -14.8 dBm
 ODU Output Power    : 36.3 dBm
 EIRP                : 49.8 dBW
 Es/No               : 13.5 dB
 Header Compression  :  DSM-CC
 Timing correction   : -470 us (271790 us)
 Frequency correction: 320 Hz


 Pinging 10.144.20.1 with 32 bytes of data:

 Reply from 10.144.20.1: bytes=32 time=613ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=613ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=624ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=560ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=567ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=567ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=534ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=642ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=566ms TTL=62
 Reply from 10.144.20.1: bytes=32 time=574ms TTL=62

 Ping statistics for 10.144.20.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 534ms, Maximum = 721ms, Average = 595ms
```