
Version 1.0
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Important information, phone numbers and contacts for UNAVCO's VSAT operations. UNAVCO is operating a Nanometrics VSAT Hub terminal and remote located in Boulder, CO. We are leasing 100KHz (Ku-band) bandwidth on GE3-08. The current TDMA network consists of only one test remote unit (Cygnus) streaming Ashtech binary data to the Nanometrics NAQS server where the data is extracted, RINEX'd and QC'd using teqc.

VSAT Satellite Information

Satellite: GE3-08
Transponder: 08
Uplink frequency: 14,175.8500 MHz
Downlink frequency: 11,875.8500 MHz
Bandwidth: 100KHz Ku-band
UNAVCO Contract: GE30023
UNAVCO Circuit: 9590 UNA

Important phone numbers

VSAT Cell phone (UNAVCO): 303-870-4783
Nanometrics (Ottawa, Canada): 613-592-6776
Emergency shutdown modem: 303-541-9731

Emergency Shutdown Procedure

Dial modem at number above (hit return (and ESC) several times to get to the menu). Follow sample instructions below for disabling, enabling or query transmission status of TDMA network.
gstx103* cu -l /dev/ttyS0 -s19200
Connected.

atdt3035419731
CONNECT 19200/ARQ

Welcome to UNAVCO Satellite Control Facility

Select Satellite Network:
[1] UNAVCO NMX VSAT Network       Transmit frequency 14175.85 MHz

Enter network or x to exit: 1
Enter password:
UNAVCO NMX VSAT Network       Transmit frequency 14175.85 MHz

Select Action:
[1] Disable transmission
[2] Enable transmission
[3] Query transmission state

Enter selection or x to exit: 3
Connecting to Hub, be patient...

Command result: Network transmission is enabled

UNAVCO NMX VSAT Network       Transmit frequency 14175.85 MHz

Select Action:
[1] Disable transmission
[2] Enable transmission
[3] Query transmission state

Enter selection or x to exit: 1
Connecting to Hub, be patient...

Command result: Network transmission will shutdown in 6 seconds

UNAVCO NMX VSAT Network       Transmit frequency 14175.85 MHz

Select Action:
[1] Disable transmission
[2] Enable transmission
[3] Query transmission state

Enter selection or x to exit: 3
Connecting to Hub, be patient...

Command result: Network transmission is shutdown

UNAVCO NMX VSAT Network       Transmit frequency 14175.85 MHz

Select Action:
[1] Disable transmission
[2] Enable transmission
[3] Query transmission state

Enter selection or x to exit: x

Select Satellite Network:
[1] UNAVCO NMX VSAT Network       Transmit frequency 14175.85 MHz

Enter network or x to exit: x

Connection closed
NO CARRIER

Posted by: Beth Bartel - Wed, Sep 9, 2009 at 6:53 PM. This article has been viewed 6295 times.
