

## The TWSTFT in NTSC

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Since July 18,2000, the link between NTSC and CRL has carried out TWSTFT experiment regularly. The precision for the TWSTFT most is less than 0.5 ns but some are more big. It looks relational to the weather.

The link is used for the TAI computation since January 5,2002 (MJD 52279). and obtain generic level precision.

Now, the link is starting to test the Multi-channel modem, which was developed by CRL. The experts from CRL had set it at NTSC in March of 2003. The new modem Cosmo Research can simultaneously carry out time transfer with maximum 7 stations (There are 8 RX unit, one is for calibration and 7 for data transmission).

Now, NTSC has set up a new VSAT for TWSTFT. It is made by Chinese company .The diameter of VSAT paraboloid antenna is 2.4 meters. Only transceiver and Low Noise Converter located out of the door, the transmit power is 4 W. The Up and Down Converter are indoor. For new VSAT, we have set the antenna to point to JSAT 1B. and received the satellite beacon. Next step is test of parameter for the new VSAT. Then we will do TWSTFT experiment.