



SSTV on ISS

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Three SSTV systems on ISS

- Two P.C. based using VOX module
 - Space Cam proposed by Miles Mann
 - MMSTV
 - Uses free software
- VC-H1 SSTV module



MAREX-NA ISS SpaceCam 1 Beta 1 Build 001

MAREX-NA ISS SpaceCam 1



Portions © (1999) Silicon Pixels USA

Robot 36

Robot 72

Scottie S1

Scottie S2

Martin M1



7%

Auto-Save

Lock Mode



DEFAULT

LIBRARY

REPEATED

CREW

USER



C: \SSTV Images

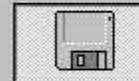
- 20:42:18 MAREX-NA SpaceCam 1 (Beta 1 Build 001 13-March-2000)
- 20:42:18 Main window loaded
- 20:42:18 Setting DSP filter: Bandpass
- 20:42:18 Initializing preview grids
- 20:42:19 Initializing VFW interface
- 20:42:21 Logitech QuickCam VC USB
- 20:42:21 Live window

MANUAL

REPEATER

SETTINGS

Slide Show ON (O)



Slide Show OFF (F)

Slide Show disk path (Use DISK icon)

C:\SSTV IMAGES\

TRANSMIT (T)



Enable video

RECEIVE (R)



Auto-RECEIVE (A)

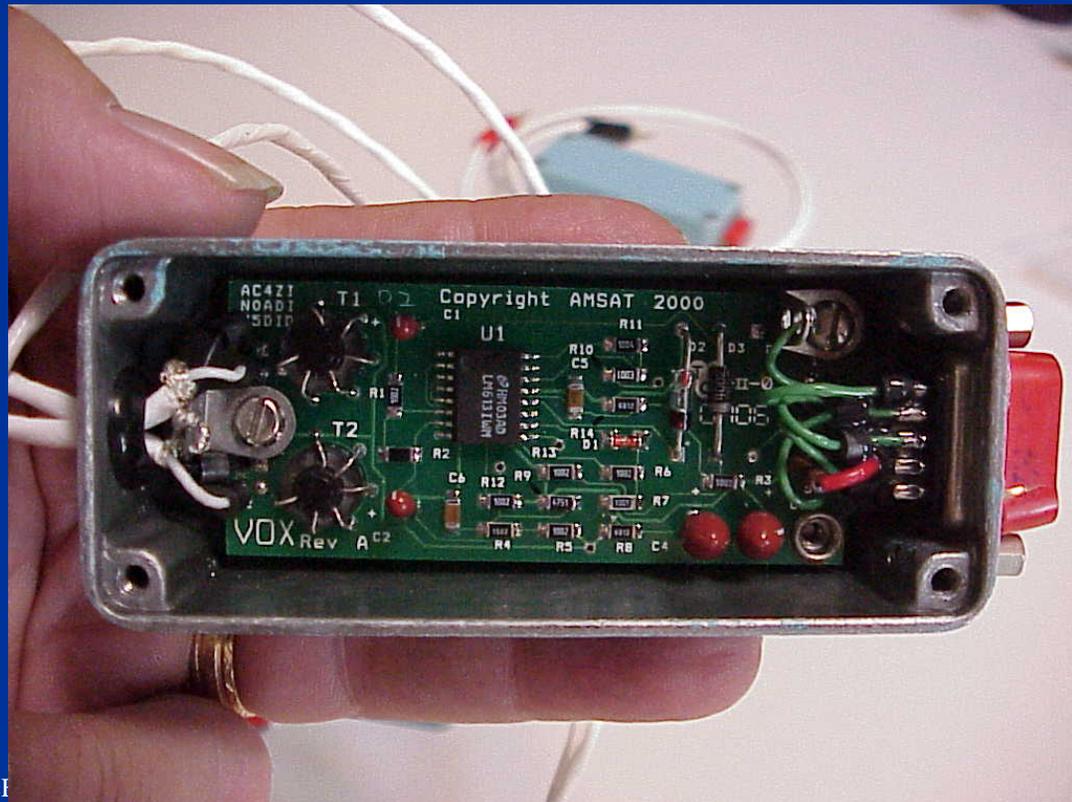
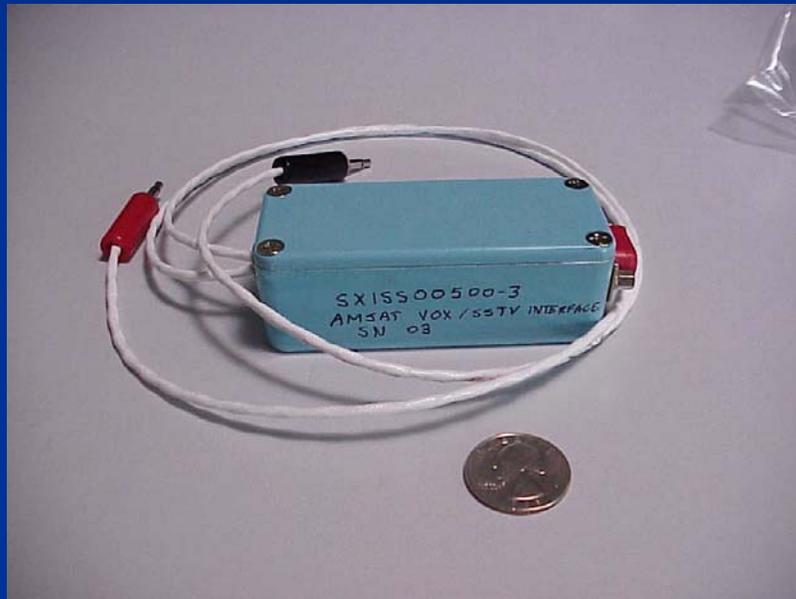
STANDBY /
ABORT (S)

RE-SYNC (Y)

Refresh Preview Grids



VOX/SSTV Module





VC-H1

■ Kenwood Visual Communicator



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Problems with SSTV on ISS

- P.C. Based systems are always limited by P.C. Availability
- Vox based system are sensitive to RF interference.
- VC-H1 is limited by battery availability.



What next for SSTV

- Continue efforts to obtain a dedicated computer for ISS-Ham activities.
- Seek a solution to the RF susceptibility for the SSTV module.
- Obtain a suitable power converter module for the VC-H1.
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