STEREO/IMPACT/SIT
SIT Noisy Mode Procedure

Ver. 1.2 1/06/05

Unit:_____ Test:_____ Date:_____

1. PURPOSE

This procedure puts SIT into its Noisy mode: the condition in which it generates the most noise. The procedure involves turning on the SIT HVPS and therefore may be used only when the HVPS disable plug is installed or SIT is in high vacuum conditions suitable for operating its HV supply.   Because of the potential hazard of operation of the HVPS a SIT designated representative must be monitoring the instrument for the duration of Noisy Mode operation.

THIS PROCEDURE IS NOT TO BE OPERATED AS AN AUTONOMOUS SCRIPT

The procedure takes about 5 minutes and can be interleaved with other procedures from other sensors.

2. REQUIREMENTS

2.1 This procedure requires that SIT be turned on and operating before it is executed. If SIT is not yet in this state, first run the "SIT Turn-On procedure"

2.2 The procedure may be used only when the HVPS disable plug is installed, or SIT is in high vacuum conditions suitable for operating its HC supply.

3. PROCEDURE

3.1 Verify presence of SIT HVPS Disable plug on SIT. This plug will allow the HVPS to operate but will prevent it from being commanded to dangerous levels.

3.2 Commands – send the following sequence of commands:

"immed 1"   causes future commands to be executed upon receipt

The following is a HAZARDOUS COMMAND
           "hvenable 1"   enables the SIT HVPS

           "junk 1"   causes instrument to respond to all events, even illegals
           "eonly 1"   removes TOF coincidence requirement for events
           "toferror 1"   processes events including tof errors

The following is a HAZARDOUS COMMAND
       "hvlevel 30"   sets the HVPS output to about 100v

3.3 Command Verification - After approximately 2 minutes, verify the SIT status byte is
     "0F", indicating that all the above commands have been received and acted on. In
     addition the HV Level housekeeping should read 30. Housekeeping for the HV
     Monitor should read 0xFA – 0xF9 or 85-100v if converted to engineering units. This
     will probably cause a Yellow Limit alarm on the GSE monitoring SIT housekeeping,
     but no corrective action is required.

OK_____

 End of Procedure

Performed by:_____