

STEREO/IMPACT/SEP High Energy Telescope (HET) Commands for EMC Test 10/5/04

Overview

During EMC testing of the IMPACT instrument, subsystems must be placed in either 'noisy mode' (for emissions tests) or 'quiet modes' (for susceptibility tests), as called out in the STEREO/IMPACT EMC Test Procedure. The following commands should be sent from the HET GSE to place HET in 'noisy mode' or 'quiet mode'.

Note: At initial boot-up, HET will be in 'quiet mode'.

'Noisy Mode' Commands

These commands may be sent in any order. Note that they differ for Flight Model 1 (FM1) and Flight Model 2 (FM2).

FM1

tpfbssel 0 b 166
tpfbssel 1 3 166
tpfbssel 1 5 1cc
tpfbssel 1 7 1cc
tpfbssel 1 9 1cc
testp 1 10 10

FM2

tpfbssel 0 a 166
tpfbssel 1 2 166
tpfbssel 1 5 1cc
tpfbssel 1 7 1cc
tpfbssel 1 a 1cc
testp 1 10 10

'Quiet Mode' Commands

HET will boot up in quiet mode. Therefore, these commands only need to be sent if HET has previously been placed in 'noisy mode' and has not since been rebooted. These commands may be sent in any order. Note that they differ for Flight Model 1 (FM1) and Flight Model 2 (FM2).

FM1

tpfbssel 0 b 6
tpfbssel 1 3 6
tpfbssel 1 5 c
tpfbssel 1 7 c
tpfbssel 1 9 c
testp 4e2 0 0

FM2

tpfbssel 0 a 6
tpfbssel 1 2 6
tpfbssel 1 5 c
tpfbssel 1 7 c
tpfbssel 1 a c
testp 4e2 0 0