

"The high-voltage (HV) settings on the GOES-13 and -15 HEPADs were recently increased in order to bring the instruments within calibration. These HV settings affect the gain of the photomultiplier tube (PMT) and, therefore, the channel energies as well as the accuracy of the measured proton and alpha particle fluxes.

Since launch, the GOES-13 HEPAD was being operated 4 HV steps too low and the GOES-15 HEPAD was being operated 12 HV steps too low. (On-orbit tests taken in December 2011 indicate that the instruments have been stable since launch.)

The GOES-15 HEPAD was adjusted on Thursday, January 12, 2012, c. 1950 UT, and the GOES-13 HEPAD was adjusted on Wednesday, January 18, 2012, c. 1655 UT.

GOES-14 HEPAD will also require an adjustment when that satellite is taken out of storage. For more information please see 'GOES-NOP HEPAD In-Orbit Data Study' (GOESN-ENG-100) on the Documentation page.