

GEO-EFFECTIVE SOLAR FLARE EVENTS IN DECEMBER 2006 RECORDED CLOSE TO VENUS AND MARS

Yoshifumi Futaana[1]; Stas Barabash ASPERA-3 team[2]

[1] IRF; [2] -

A large single sunspot region produced a series of geo-effective proton solar flares on 5 Dec 2006 10:35 UT. The X9.0 flare produced MeV particles, which were also observed at Venus and Mars by Venus Express (VEX) and Mars Express (MEX) in addition to the Earth. The positions of the Mars and Venus was away from Earth by nearly $+160^\circ$ and -160° *as viewed from the Sun. The plasma instruments* in azimuthal direction in the heliosphere.