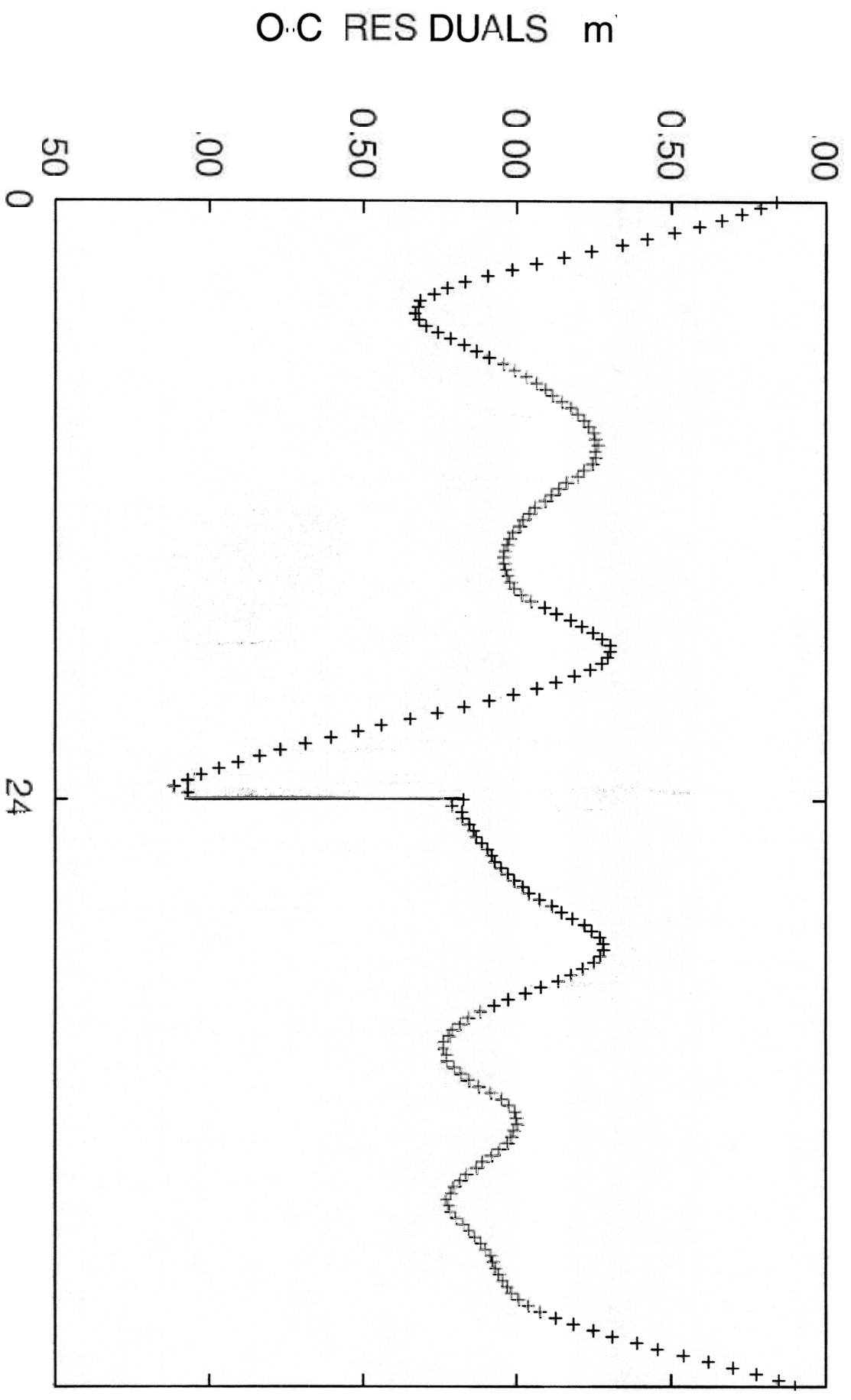


+90 cm

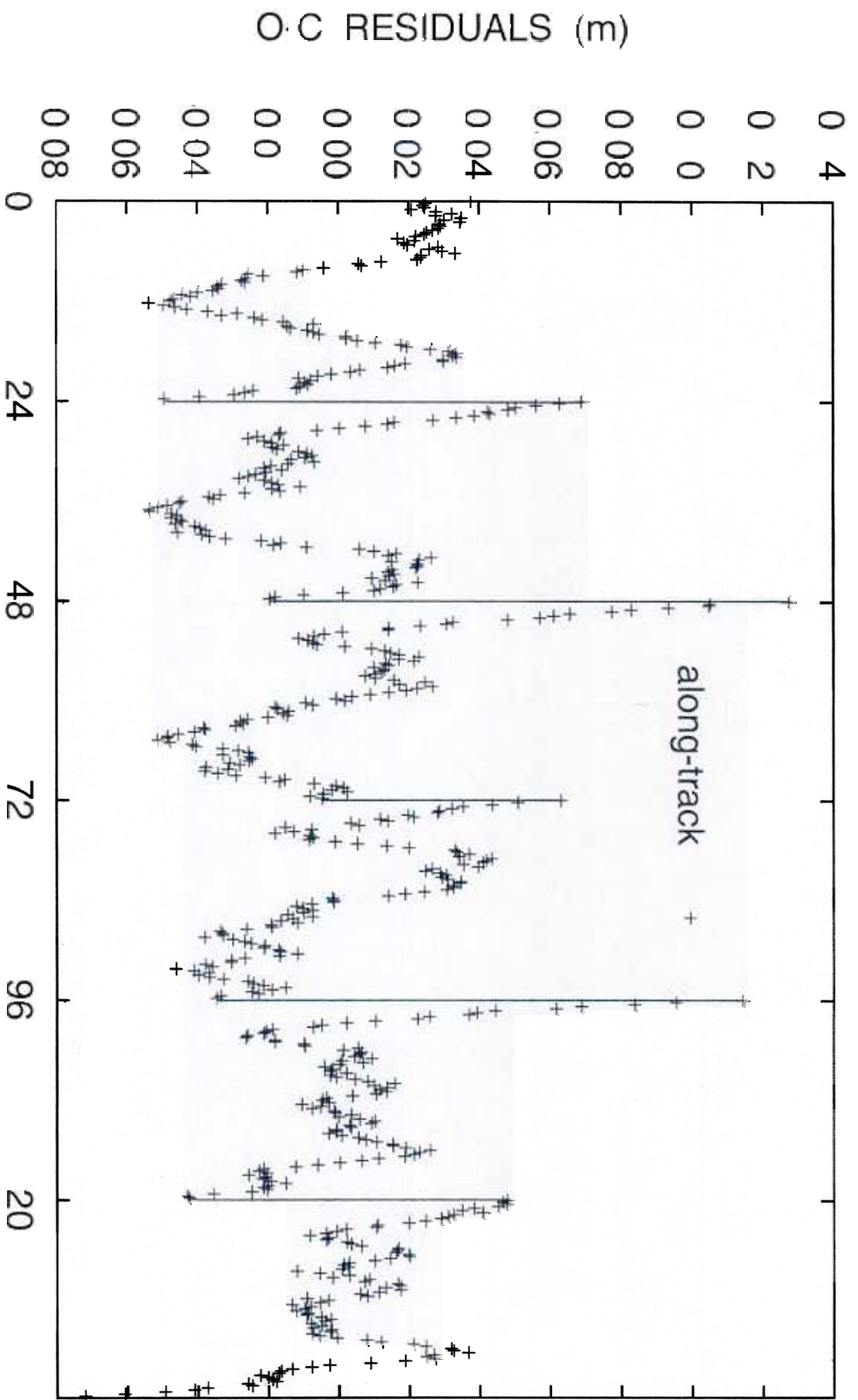
Fig SVN 53 (PRN 7) ALONG-TRACK DISCONTINUITY



TIME (hr) since 2005.OCT .0 GPS (midfit MJD 53645 0 BH 7.39

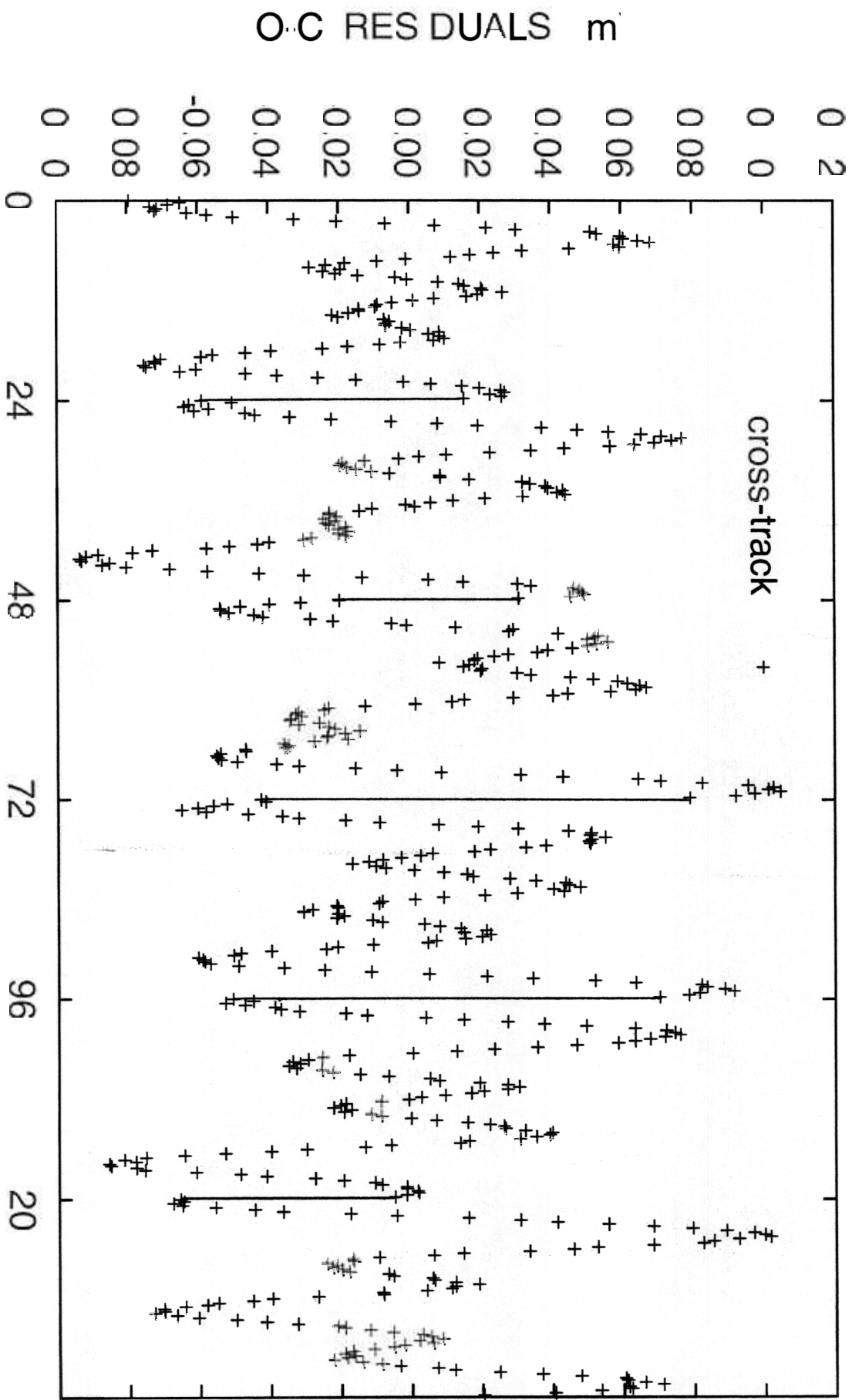
+ 2 + 5 + 7 + 5 + 9 cm

Fig 2 SVN 44 PRN 28 ALONG TRACK DISCONTINUITY



TIME hr nc 2005 JAN 5 0 GPS md MJD 53378.0 BH 56 59

Fig. 3 SVN 44 (PRN 28) CROSS TRACK DISCONTINUITY



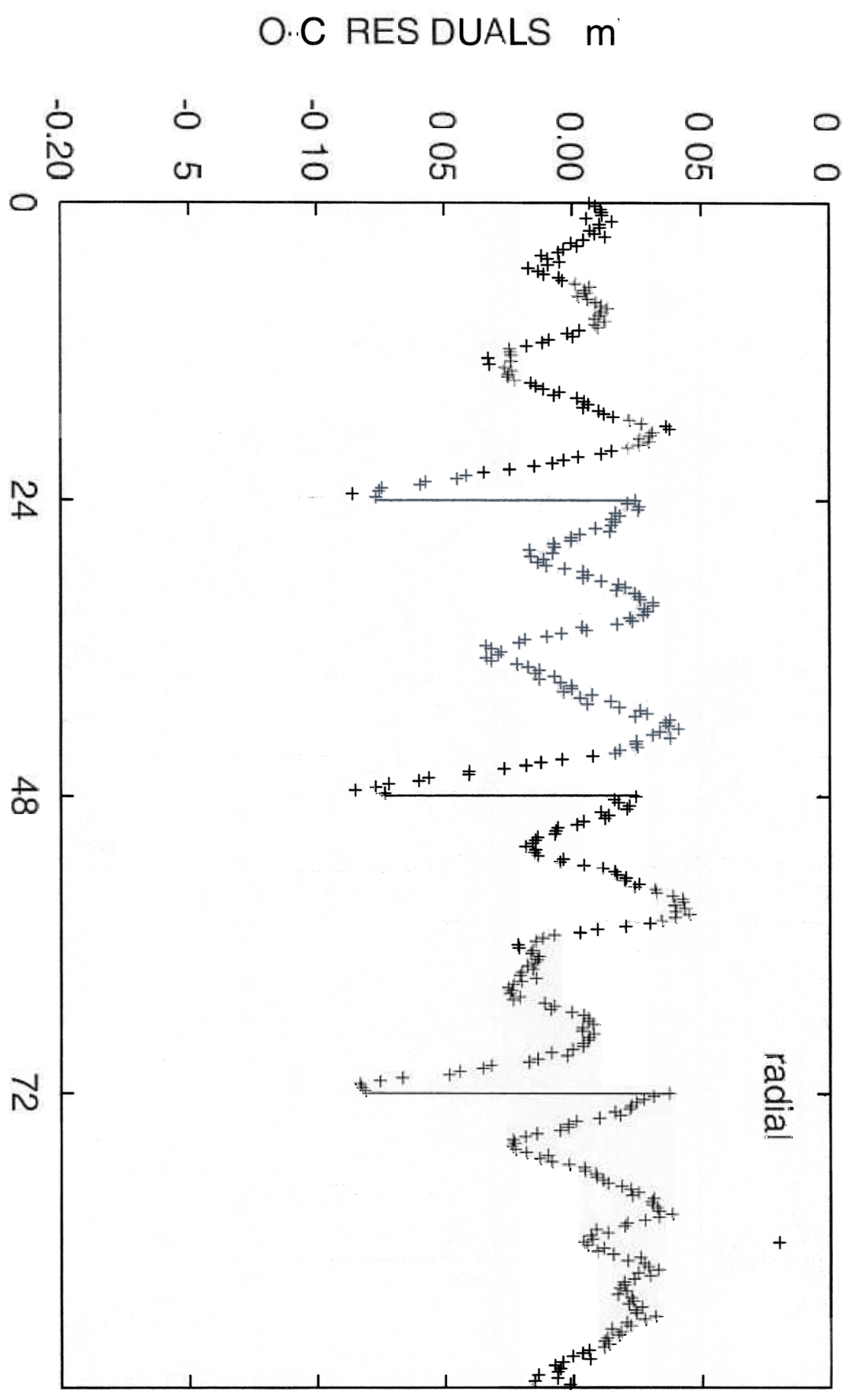
TIME (hr) since 2005.JAN.5 0 GPS (midfit MJD 53378 0 BH .56.59

+10

+9

+ 2 cm

Fig. 4 SVN 24 (PRN 24) RADIAL DISCONTINUITY



TIME (hr) since 2005-JUN 3.0 GPS (midfit MJD 53536.0 BH 0.80

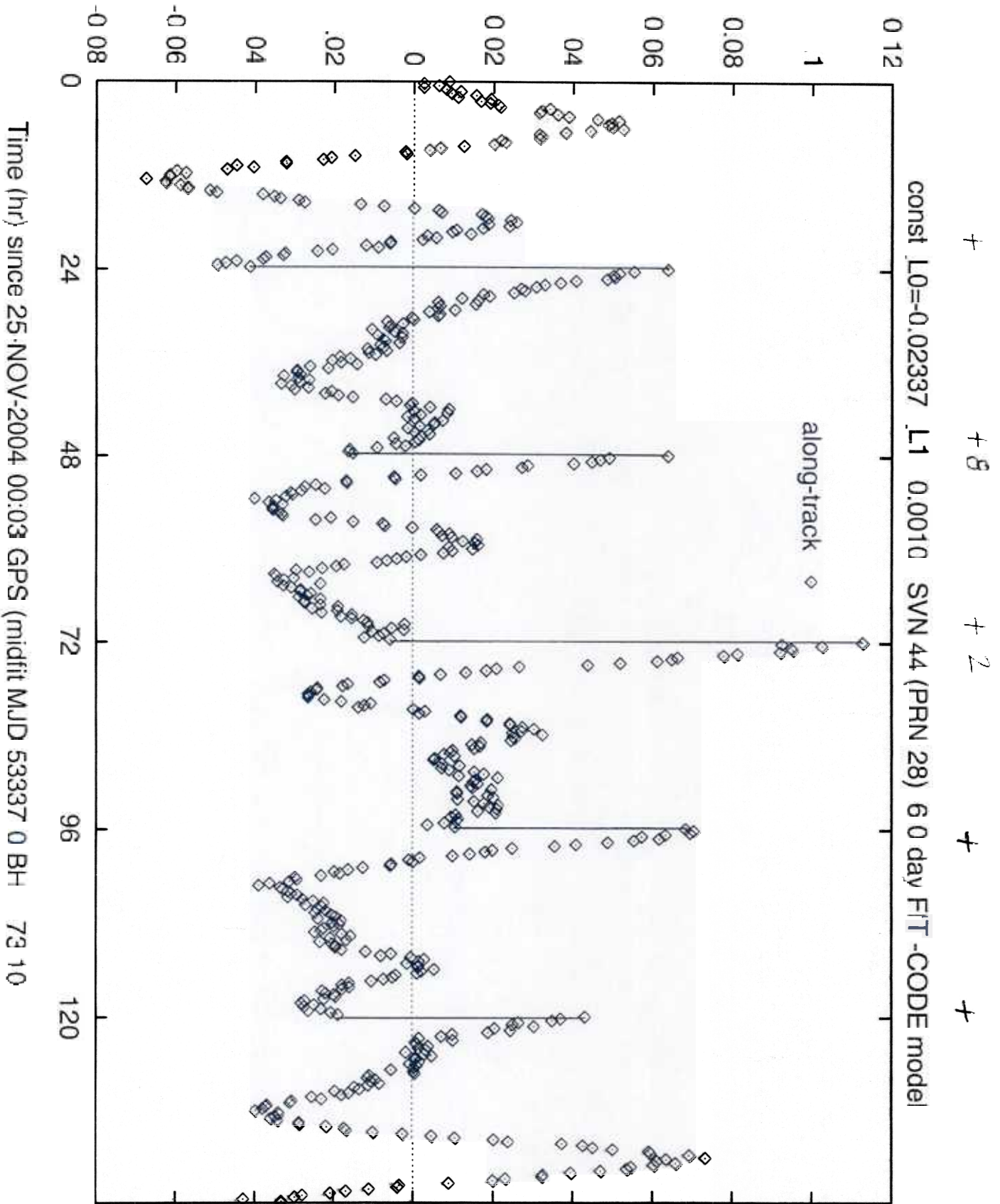


Fig. 6 SVN44 (PRN 28) ALONG-TRACK DISCONTINUITY (cm) during 2005

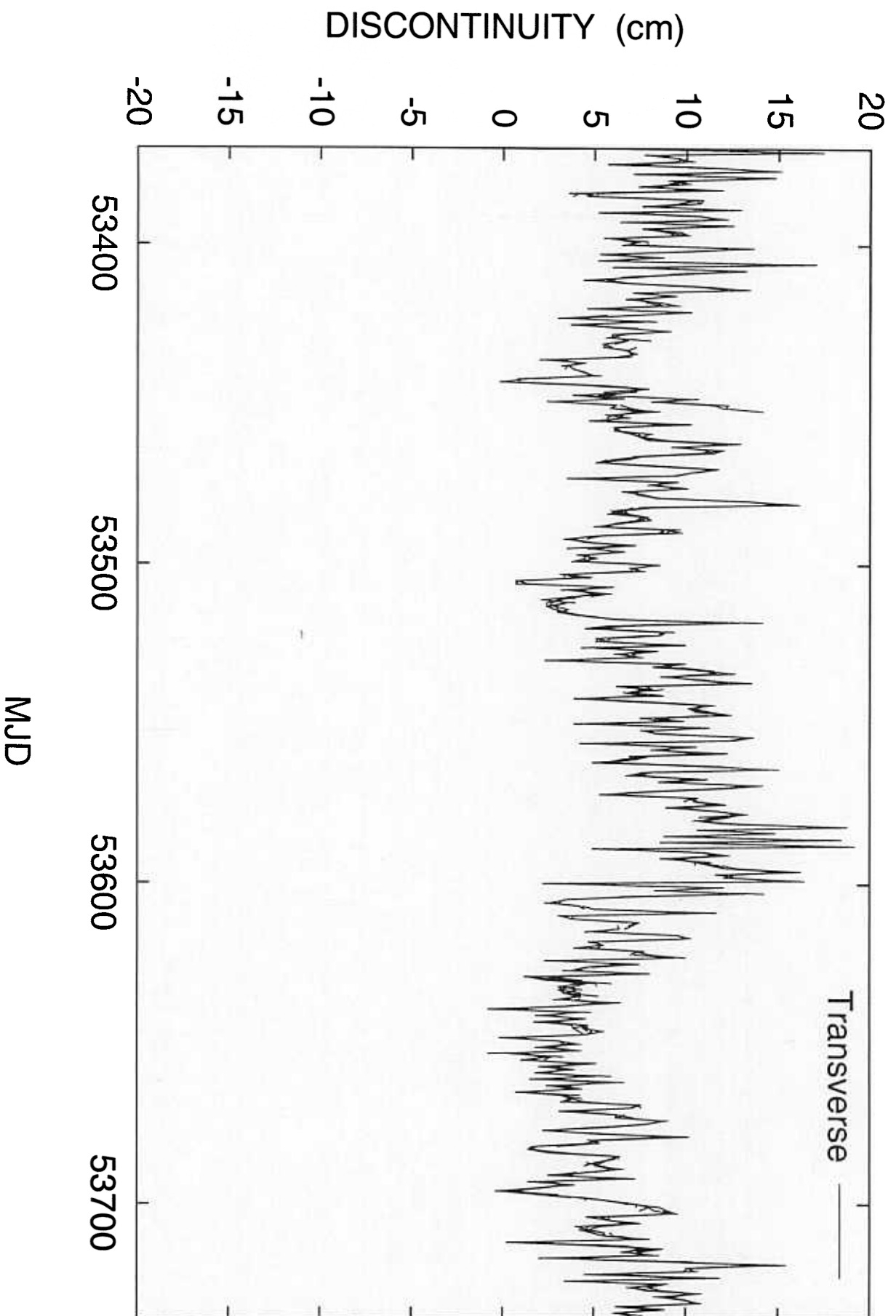


Fig 7 SVN44 PRN CROSS TRACK DISCONTINUITY cm during 2005

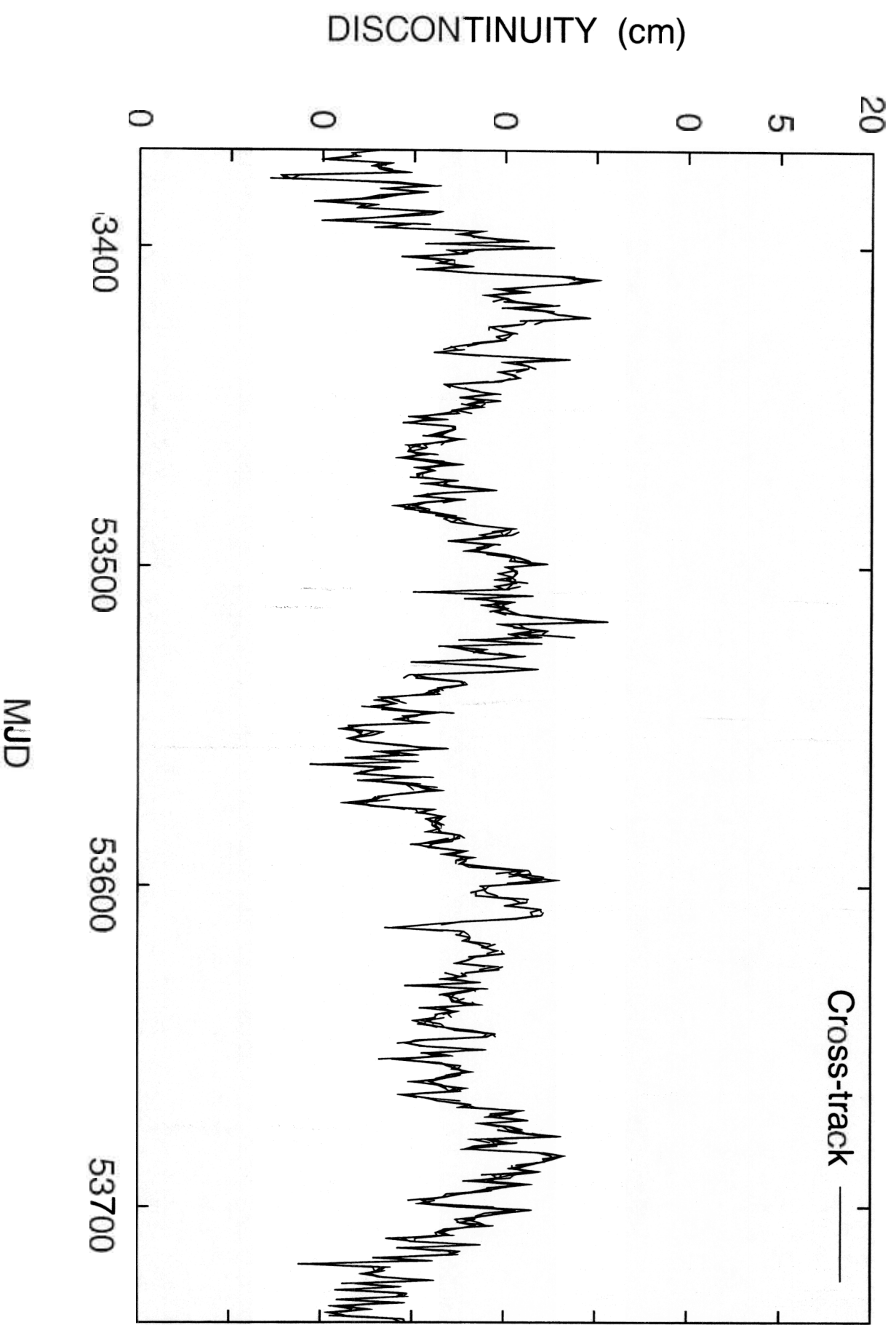
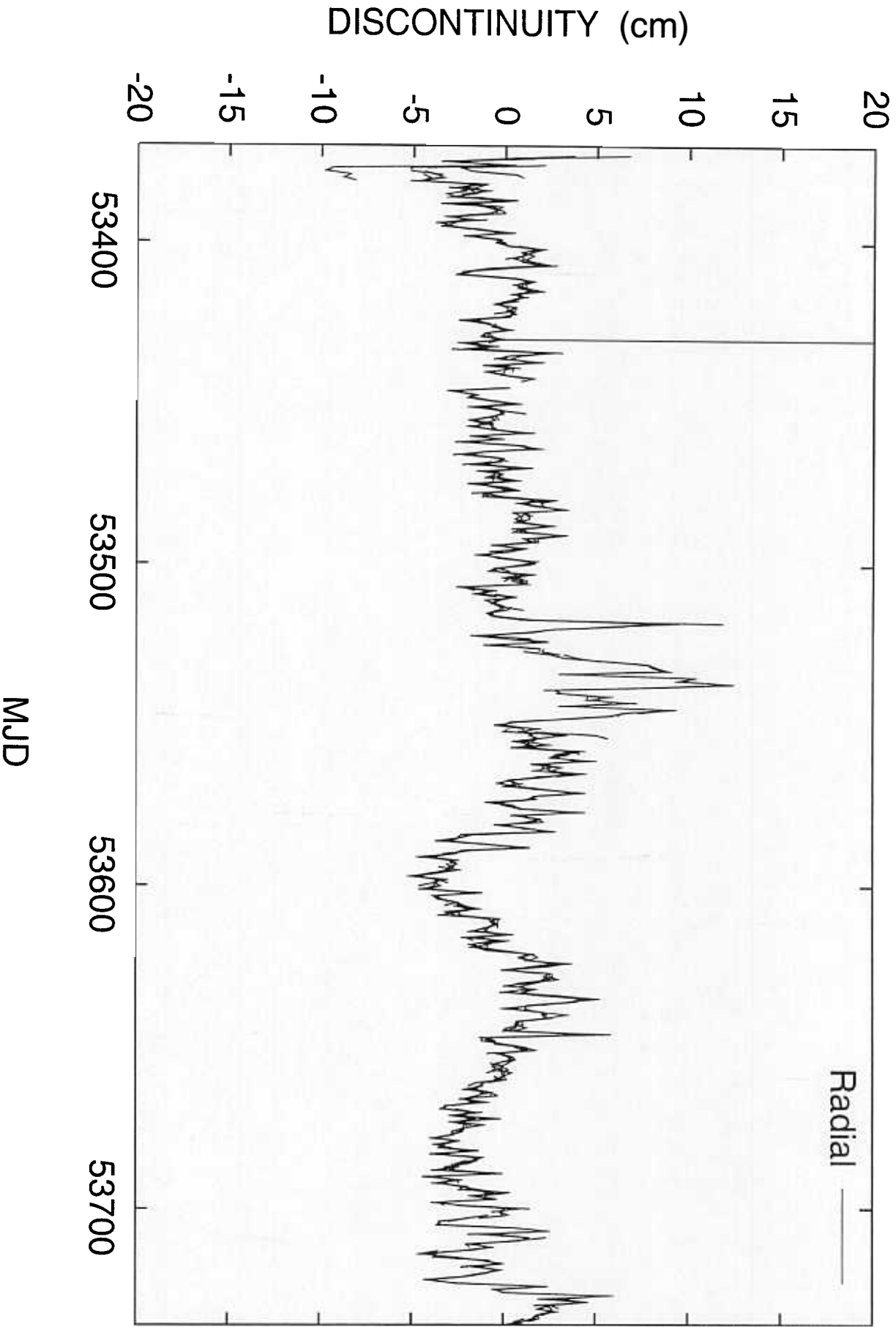


Fig. 8 SVN24 (PRN 24) RADIAL DISCONTINUITY (cm) during 2005

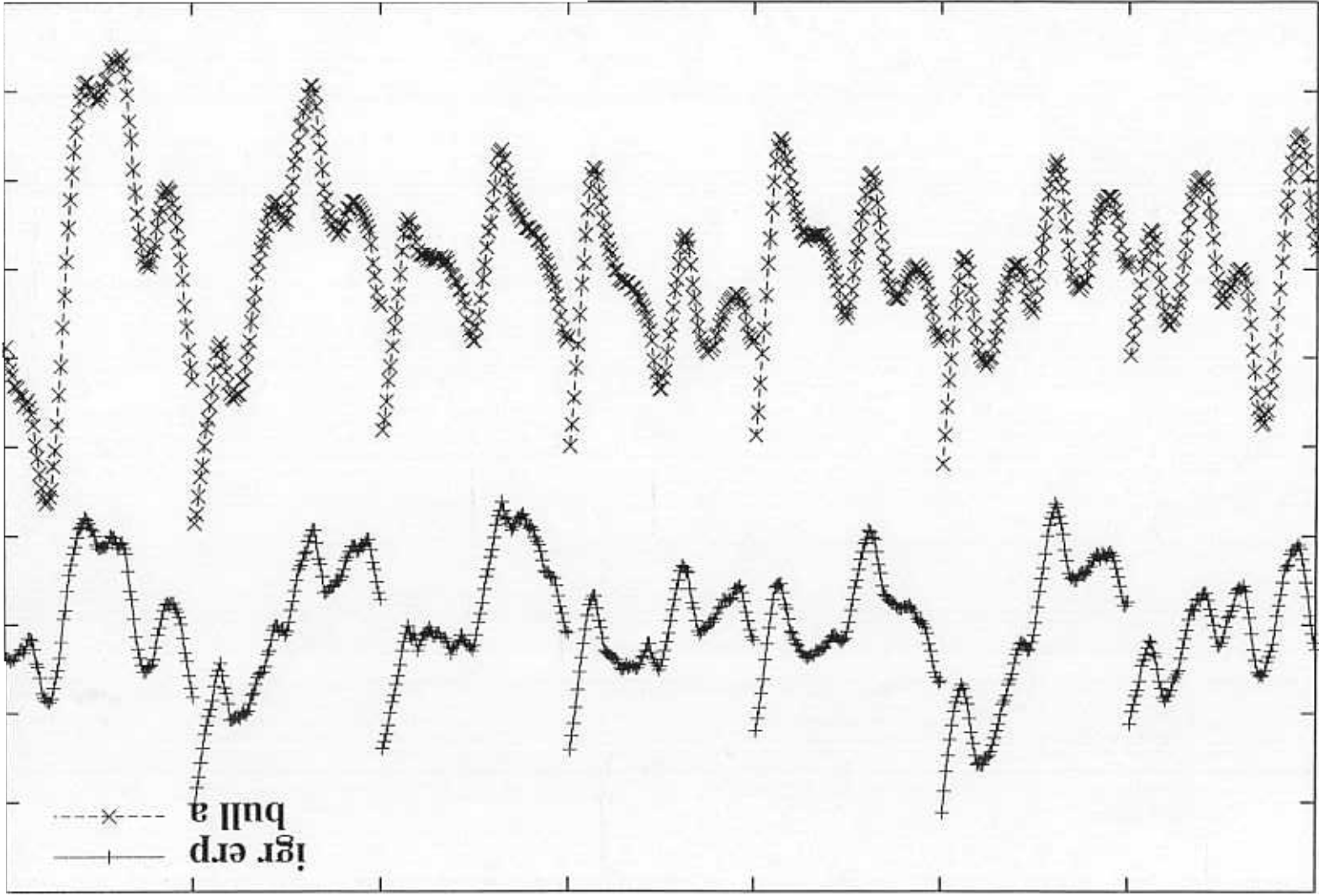


2005
FEB 27

2005
MAR 5
DISCONTINUITY
USING BULL.A
-7.9 cm

Time [hours]

0 24 48 72 96 120 144 168



Orbit residuals [m]

IGR1312: PRN 28, Along-track

2005
MAR 5
DISCONTINUITY
USING IGR.4
5.9 cm
ATUB

5.1
-7.4
-6.8
-8.3
-6.6

SVN 44

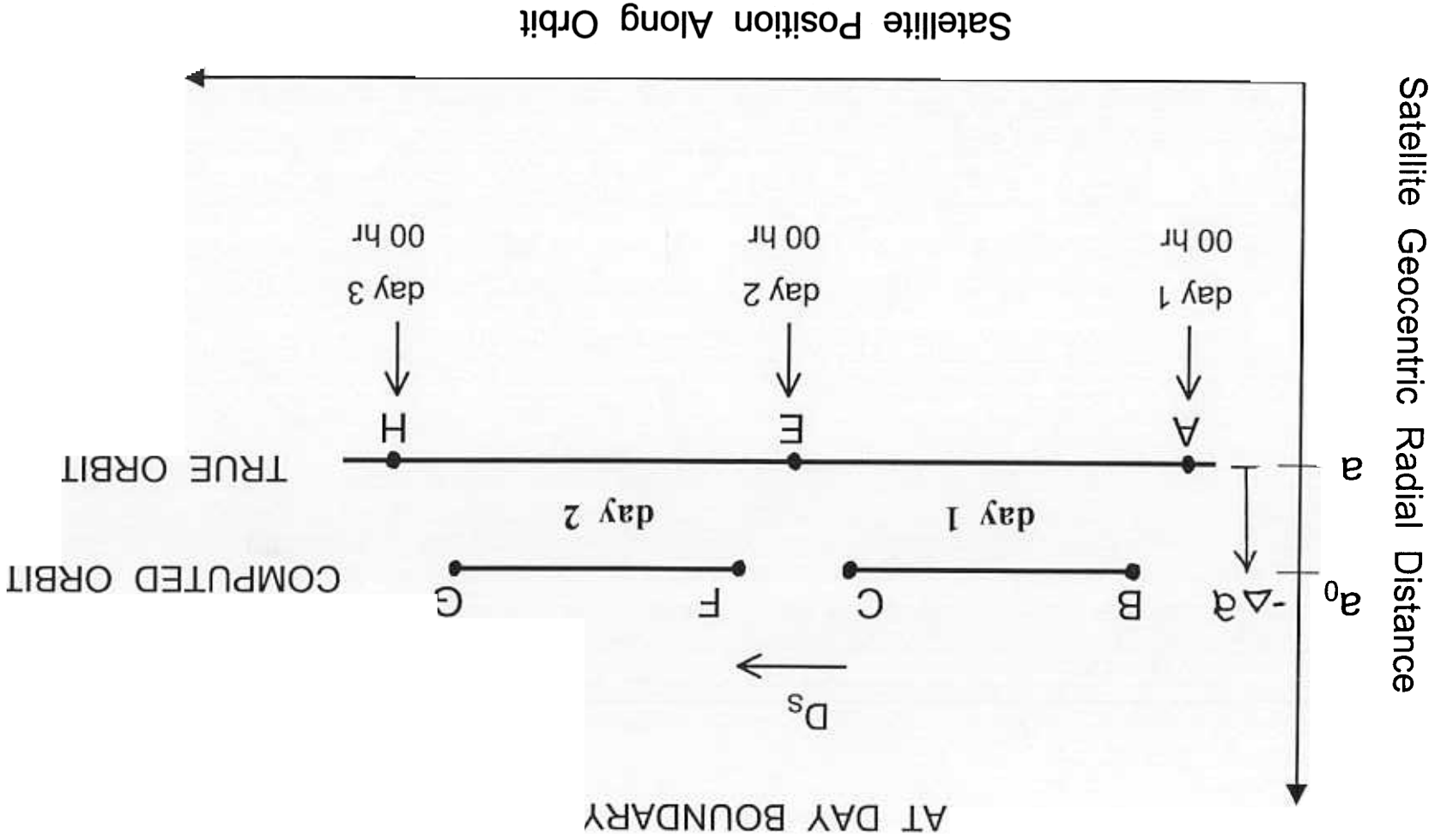


Figure 10. ALONG-TRACK DISCONTINUITY

$$D_s = + 9 \text{ cm} \quad \Delta a = - 0.5 \text{ cm} \quad \alpha_r = - 0.30 \text{ nm/s}^2$$