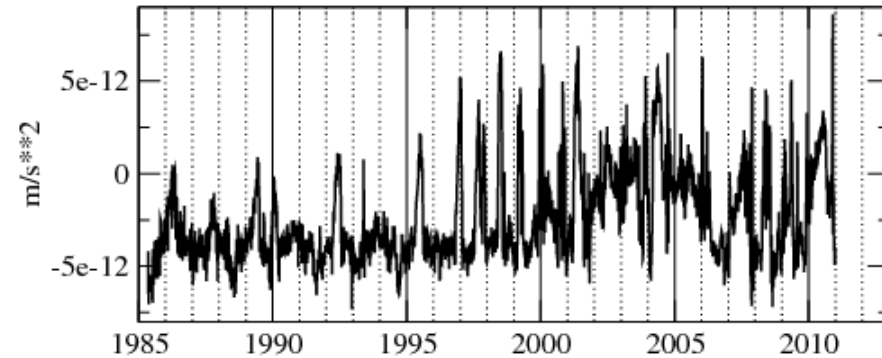# SLR processing at GRGS

F. Deleflie, F. Reinquin, R. Biancale, J.M. Lemoine
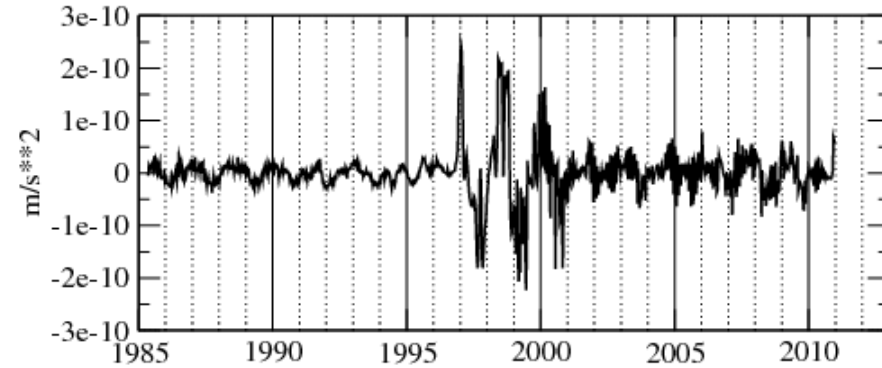
COL-WG Munich May 2012
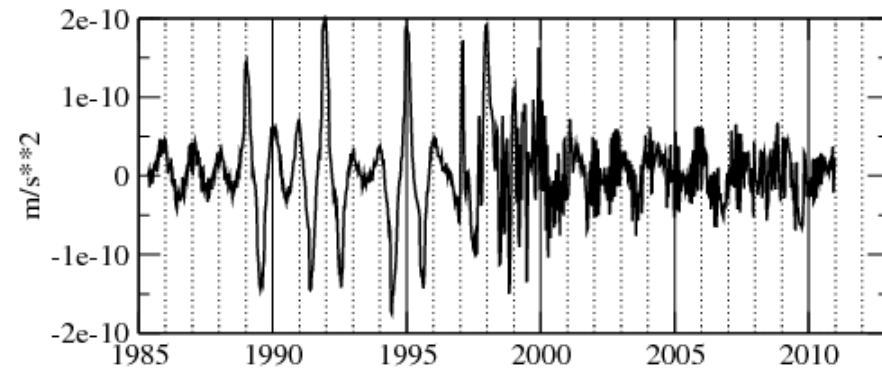
LAGEOS-1 empirical accelerations

LAGEOS-1

Along-track empirical acceleration

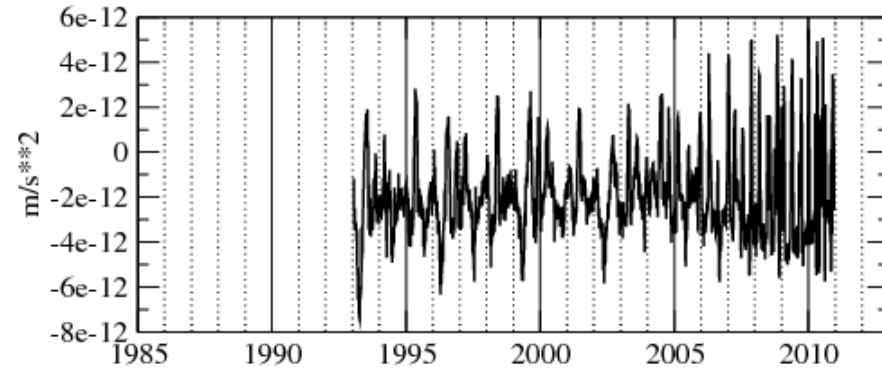Once-per-rev empirical along-track C acceleration

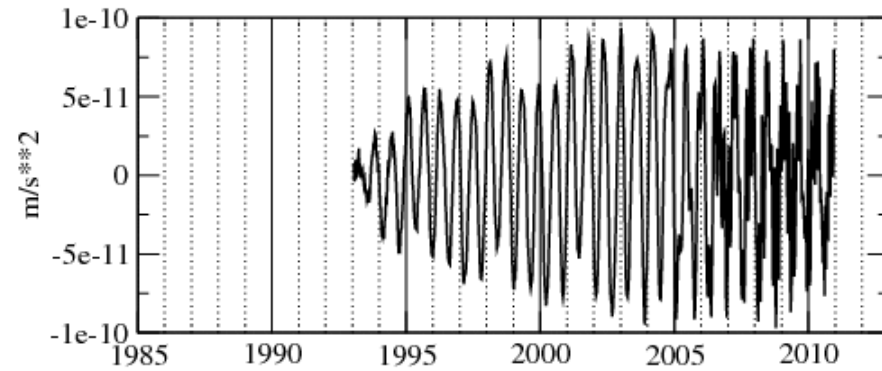Once-per-rev empirical along-track S acceleration

COL-WG

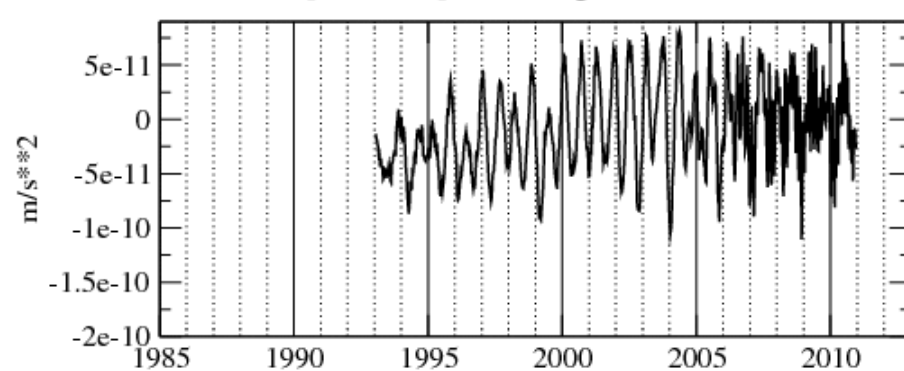LAGEOS-2
empirical
accelerations

LAGEOS-2
Along-track empirical acceleration

Once-per-rev empirical along-track C acceleration

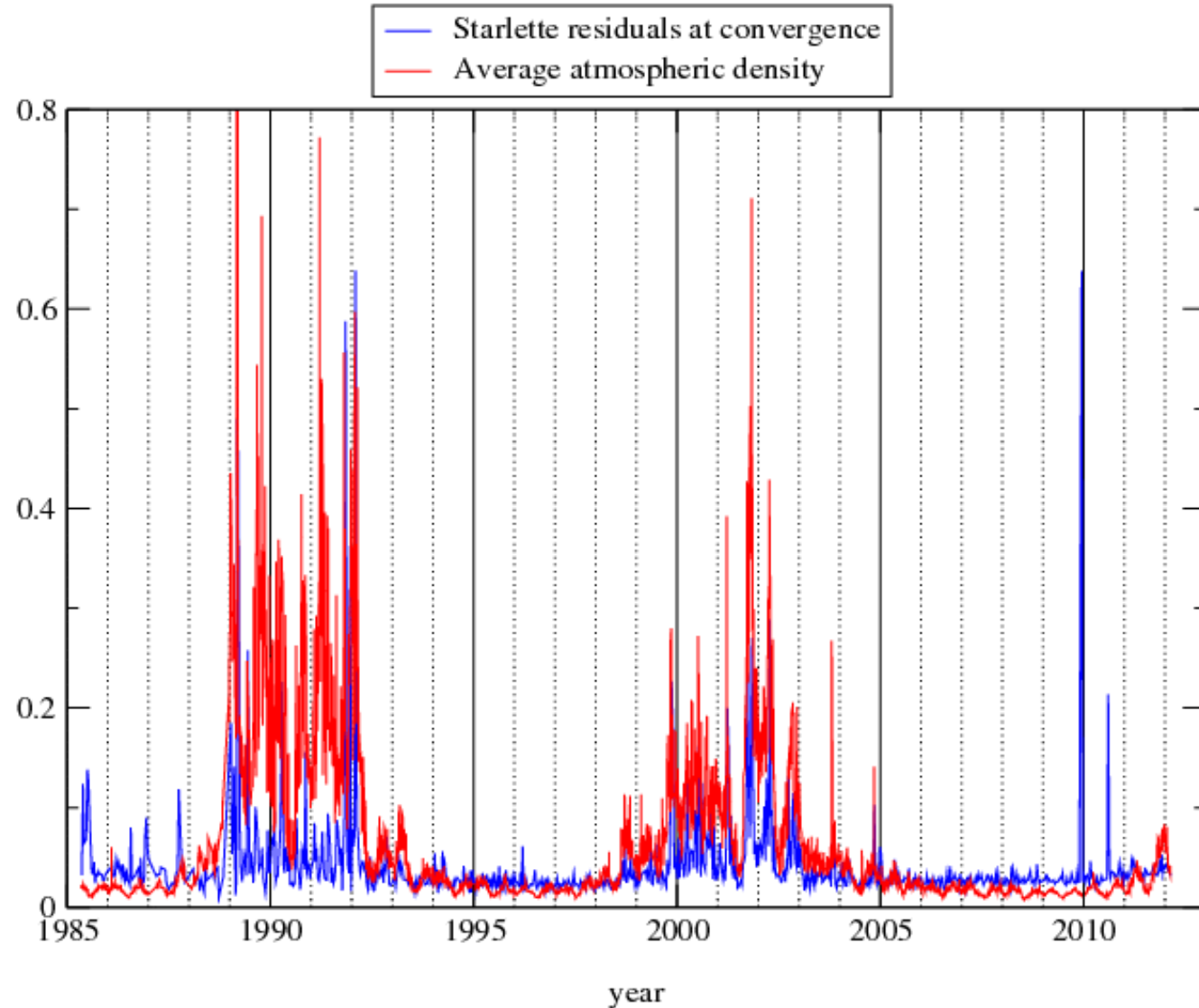Once-per-rev empirical along-track S acceleration

COL-WG

STARLETTE residuals

- ➢ 10-day arcs

  1 drag / 2 days

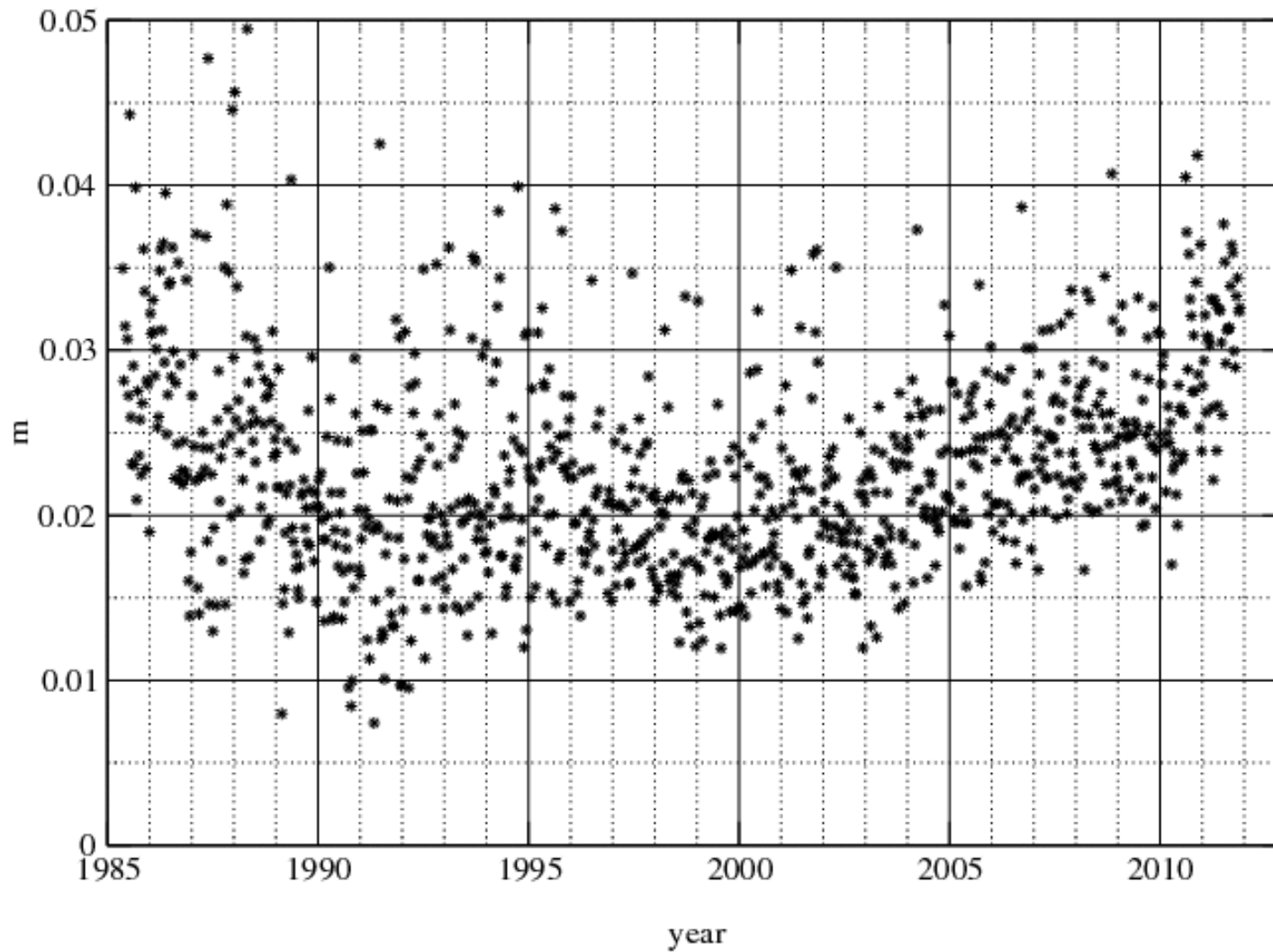 Correlation of the level of residuals with the average atmospheric density

  decision was taken to use 1 drag coef. / day in low solar activity and 2 coefs. / day in high solar activity
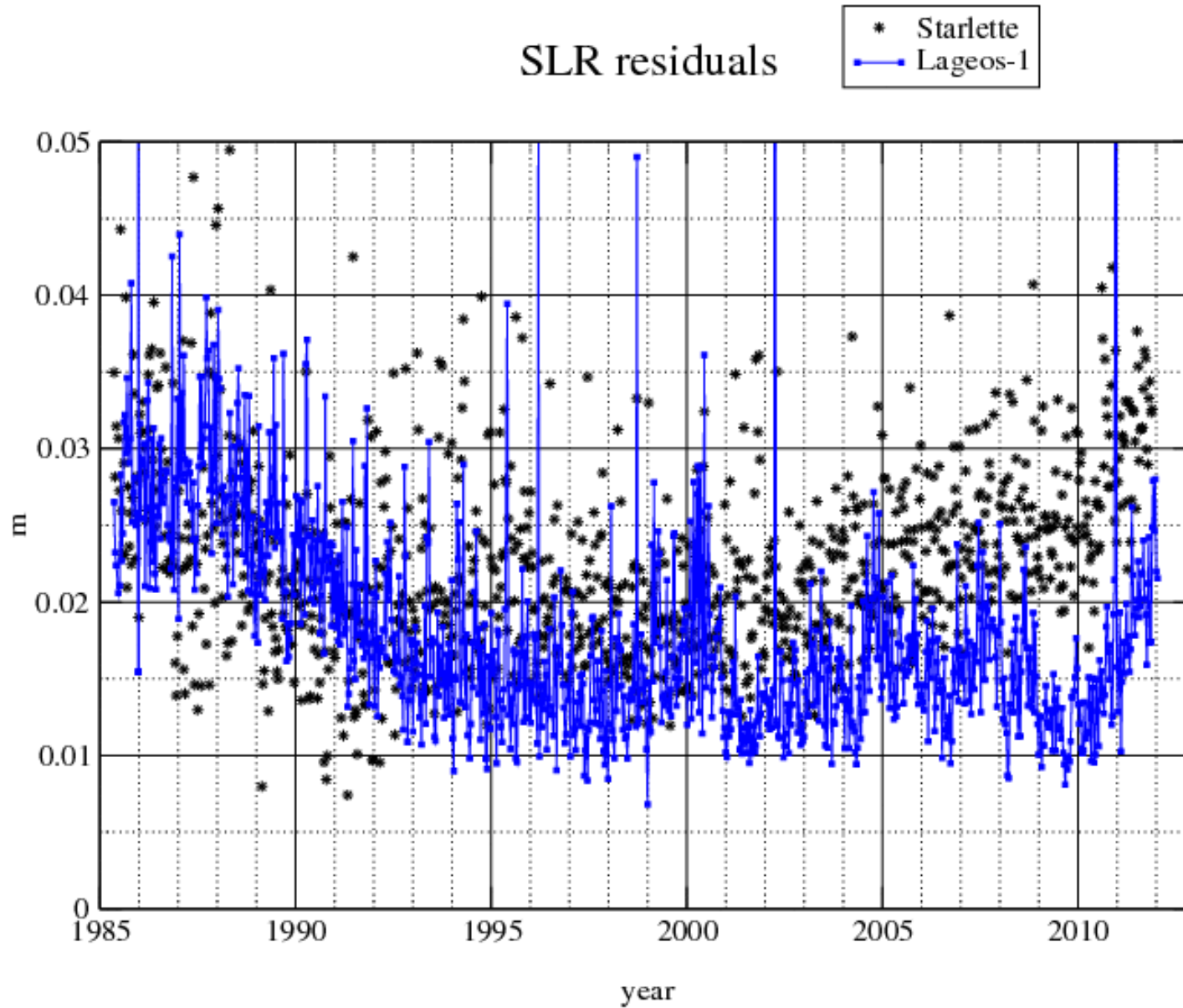
Final STARLETTE residuals

STARLETTE and LAGEOS-1 residuals
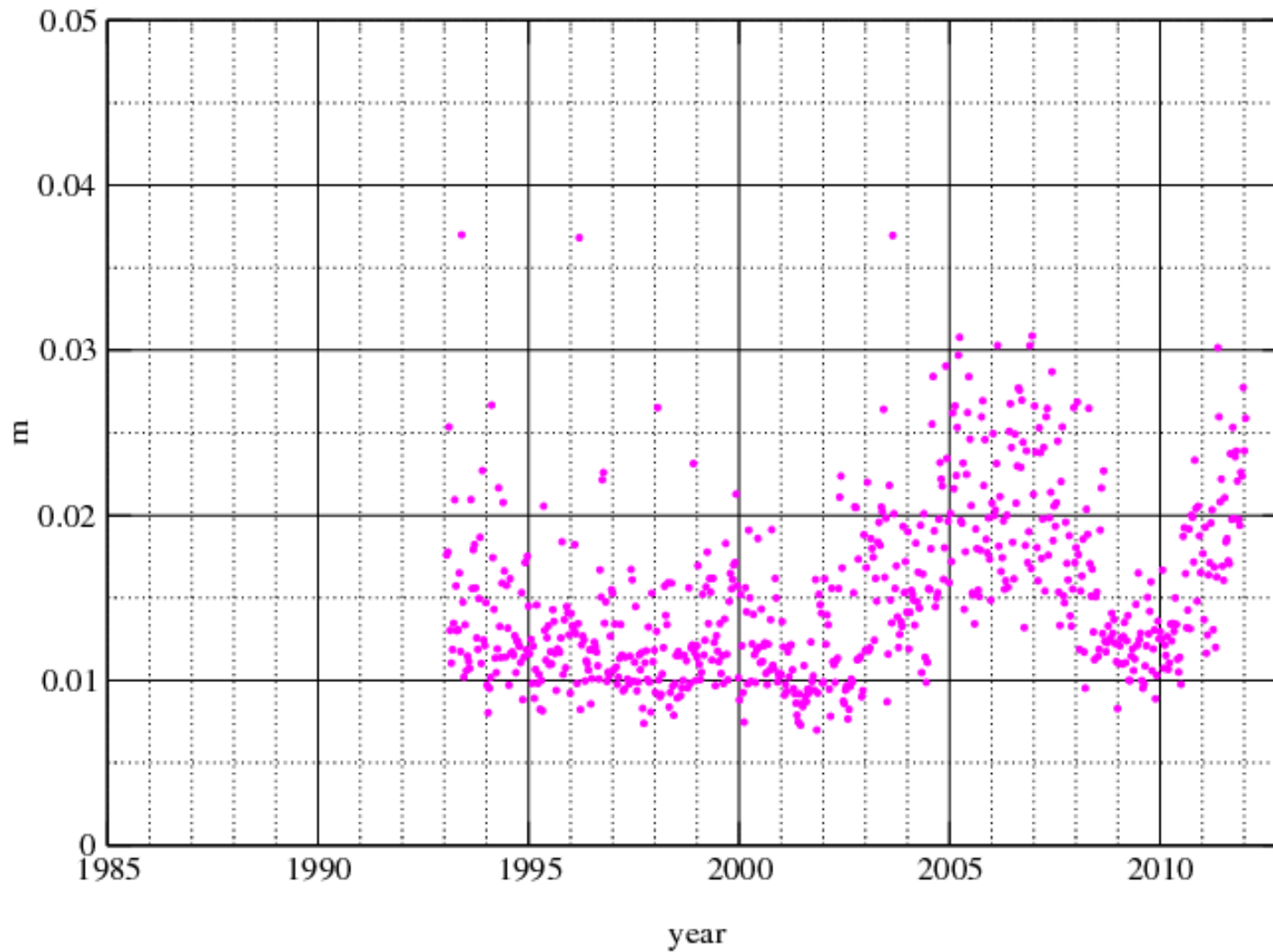
LAGEOS-2 residuals

Residuals for the 3 satellites