

LRa02, asteroseismology data.

For HEL and HELREG sub-products of AN2_STAR data, the treatment of measurements taken during the South Atlantic Anomaly crossings is still not completely satisfying. A consequence is the presence of high peaks at multiples of the frequency of the orbit (about N times 160 μ Hz) and its daily modulation (peaks at +/- 11.57 μ Hz and twice this frequency). We are working in order to reduce the influence of these peaks with the highest possible duty cycle, but a quick solution is to not take into account all the points taken during SAA crossings. This can be achieved using the STATUS sub-product (STATUSHEL or STATUSHELREG). We recall these subproduct label each measurement (see the document describing the N2 products) and should be considered as a succession of up and down « flags ». For example, SAA crossings correspond to the third flag (value of 4 -or 100 in base 2- if up). Using IDL, a quick way to identify these points is the following command:

```
saa_crossings = where((statushel and 4) eq 4)
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Rejecting all these measurements will lead to a loss of about 10% of the data but a much cleaner spectrum.