SPINOR:

The NSO SPINOR software package provides a basic data reduction pipeline for data taken with SPINOR. The software was tested on 854 nm and 1565 nm data up to now. Data in 656 nm and 1083 nm will be available soon to ensure the correct performance also at these wavelengths.

In the spinor_soft_ddmmyy.tar.gz file, you will find included:

1. a README.txt with an ultra-compact description of the code and its usage,

2. the manual spinor_soft_manual.pdf with an extensive description of the code showing examples how different reduction steps should look like,

3. the complete set of IDL routines for the data reduction,

4. an HTML page spinor_soft_help.html that contains the alphabetical list of programs with their header description,

5. a series of IDL programs that execute the data reduction for specific days (cal_spinor_wavl_ddmmyy.pro; naming not consistent).

All programs are documented inside as well. Version history is not maintained, the routines are kept backwards compatible instead.

Known name conflicts with routines in other astrophysical IDL libraries: shift_img.pro. In case you encounter a problem with this or some other routine, restrict the IDL path to only the SPINOR software package, or rename the conflicting program, or rename the version in the SPINOR software and modify all calls to it in the rest of the routines (e.g. use fgrep -i "shift_img" *.pro to find all occurrences). In case you cannot resolve the problem yourself, please contact cbeck@nso.edu.

It is possible to automatically create an HTML overview archive of the observations. In case you plan to put this archive online, please remove the files fears.gif and fears1.gif from the online version to avoid trouble, they might have a copyright on them.

The SPINOR software package includes a routine spinor_corr_fringes.pro for removal of interference fringes in Stokes QUV. This routine can be run after the standard data reduction, but is not included by default because of possible side-effects of the Fourier filtering. See any fringe_corr_spinor_wavl_ddmmyy.pro file for its usage.

For any problems, comments or suggestions please contact cbeck@nso.edu.