Hinode SOT Images Coaligned with SDO and IRIS Level 2 Data Products

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We have produced new data products consisting of HInode SOT images coaligned with simultaneous observations by SDO and IRIS. Cross-correlation between SOT Filtergraph images and similar SDO wavelength bands provides accurate pointing coordinates for nearly all SOT images, correcting for the solar flows followed by the SOT correlation tracker. Data from all of 2014 and 2015 and part of 2013 have been processed by now and verification of the data products is ongoing. The cubes of SOT images are created in IRIS level 2 data format and can be read using IRIS software tools. In addition, the SOT cubes can be studied using CRISPEX along with the corresponding IRIS Level 3 data. Work has begun to process time series of SOT Spectro-Polarimeter data into cubes of images that can be studied the same way. Examples of some datasets from IHOPs, both FG and SP, will be shown and instructions given for accessing and viewing the available datasets.