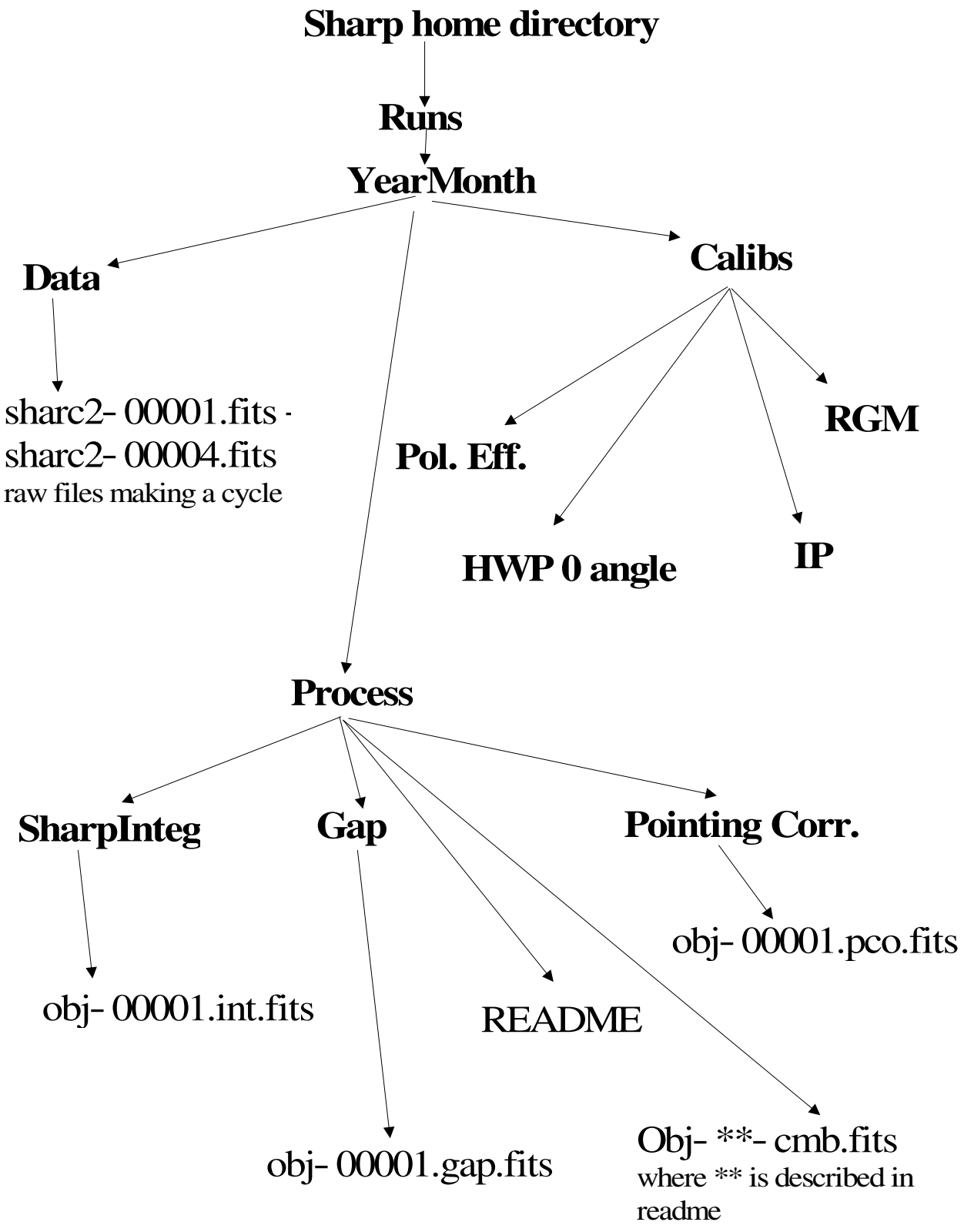
Directory Structure

The figure below shows the directory structure for the data analysis. In this image directories are in bold type while file names are in regular. Arrows indicate subdirectories. From the initial sharp account directory there is a directory called Runs. Each run has a subdirectory here with the naming convention of 4 digit year followed by month abbreviation, i.e. 2006Jan for the January 2006 run. In the directory for each run are three subdirectories: Data, Calibs, and Process. The Data directory contains all of the raw data files from the run. The Calibs directory contains directories where the Polarization Effeciency, Half Wave Plate Angle zero angle, Instrument Polarization, and Relative Gain Matrix analysis work is (work doesn't need to be done here but results need to be so they can be applied in other analysis). The Process directory is where the final analysis is done. There are 3 directories, SharpInteg, Gap, PointinCorr. These are the directories where the output of sharpinteg, gap, and the pointing correction program(s) is. Also in the Process directory is the output of SharpCombine and a README file that contains information about what each sharpcombine output file is as well as other information about the analysis. The file names of the output of each of these files is objectname-cyleof1sthwpangle.***.fits where *** is a 3 letter abbreviation denoting the program that created it, i.e. the output of gap for the DR21 cycle that started with file 10021 is dr21-10021.gap.fits. For sharpinteg the 3 letter abbreviations is int, gap is gap, pco for the pointing correction program, and cmb for sharpcombine.


Sharp home directory
Runs
YearMonth
Data
Calibs
sharc2- 00001.fits -
sharc2- 00004.fits
raw files making a cycle
Pol. Eff.
RGM
HWP 0 angle
IP
Process
SharpInteg
Gap
Pointing Corr.
obj- 00001.pco.fits
obj- 00001.int.fits
README
obj- 00001.gap.fits
Obj- **- cmb.fits
where ** is described in
readme