User Contributed ALMA-related Tools

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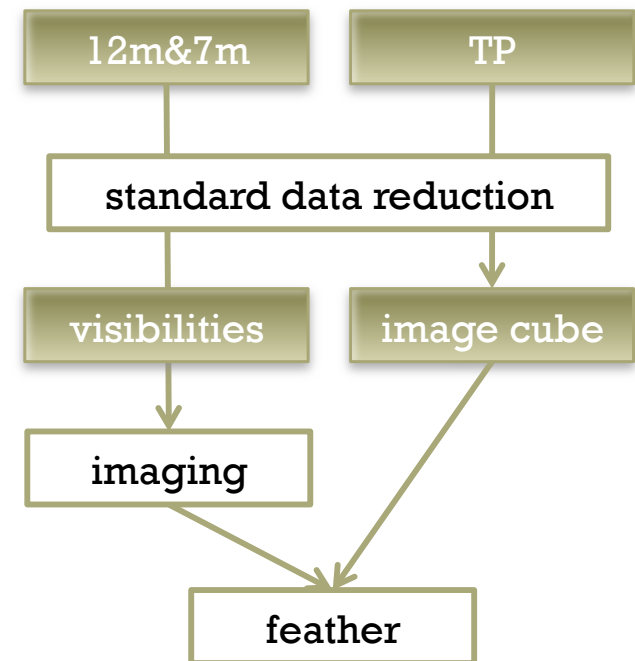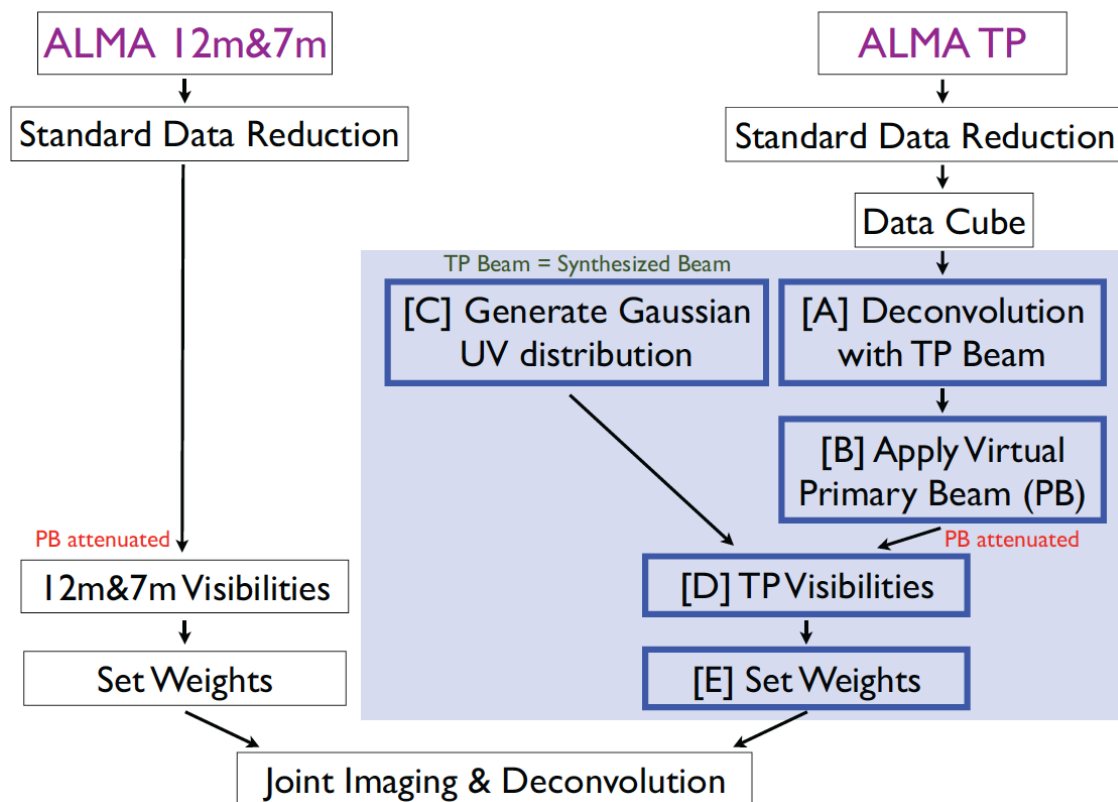
2017 ALMA/45m/ASTE Users Meeting   Dec. 26, 2017

- visilens (https://github.com/jspilker/visilens)
  - modeling visibilities for gravitational lensing systems

- galario (https://github.com/mtazzari/galario)
  - GPU Accelerated Library for Analysing Radio Interferometer Observations
  - comparing model visibilities to observations

- collection of tools for radio astronomy
  - http://radio-astro-tools.github.io/

- A3COSMOS
  - https://sites.google.com/view/a3cosmos
  - catalog using all ALMA data in the COSMOS field

- tools by NORDIC ARC
  - https://www.oso.nordic-alma.se/software-tools.php

- NRAO supported studies
  - https://science.nrao.edu/facilities/alma/alma-develop-old-022217/alma-develop-history

TP2VIS

Jin Koda, Peter Teuben, Adele Plunkett, Tsuyoshi Sawada, Crystal Brogan, Ed Formalont

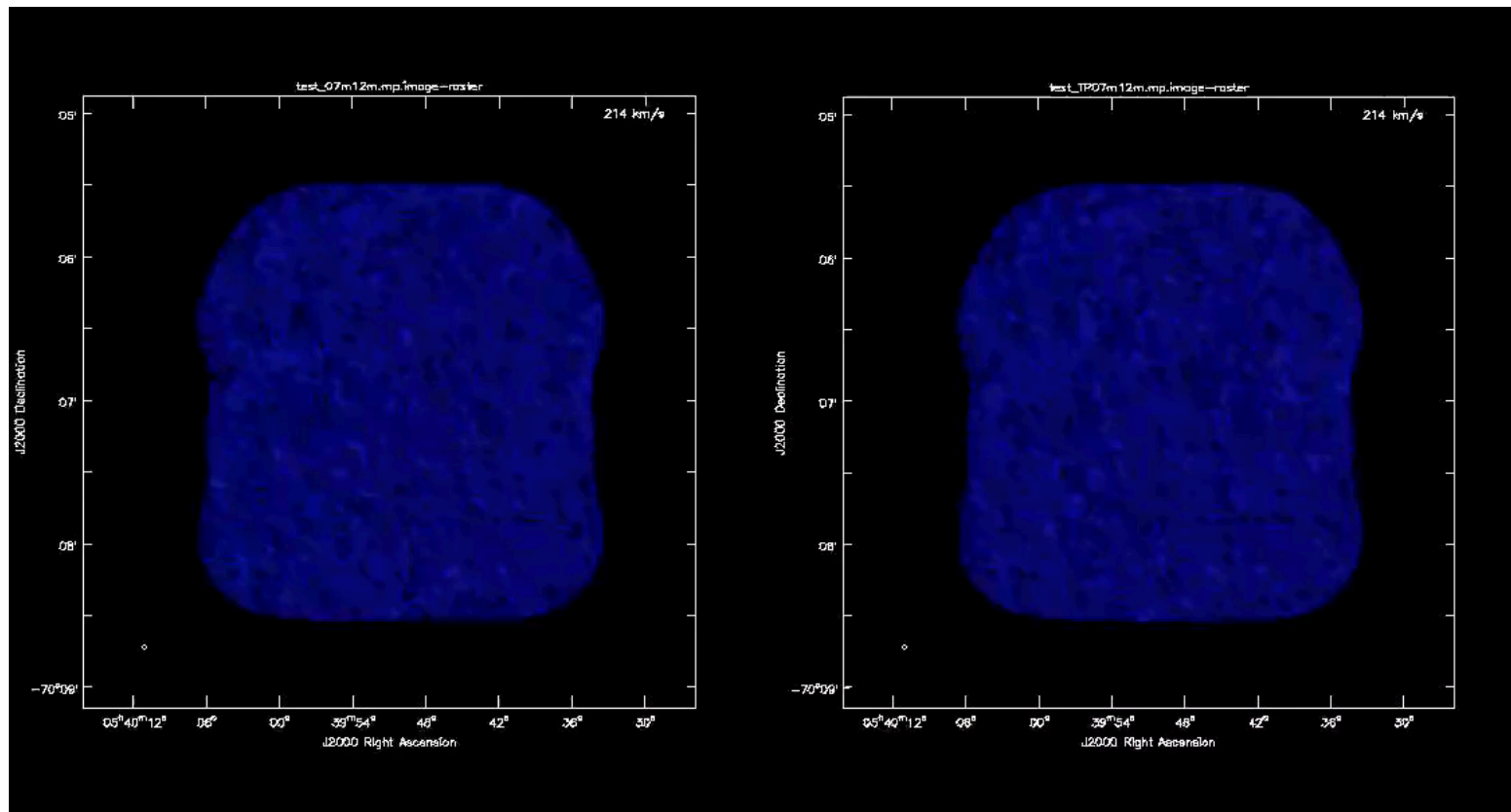- ALMA study project for joint deconvolution (c.f. Koda et al. 2011) of 12m, 7m, and TP data with CASA

c.f. workflow with feather

+ TP2VIS

12m+7m only   12m+7m+TP

- β ver released on https://github.com/tp2vis/distribute

- PI (J. Koda) is looking for testers (with experience in CASA imaging)!