ALMA-IMF Hot Core Telecon - Dec 10, 2020

Previous Agenda & minutes
Hot Core Activities

Connection:
Join Zoom Meeting
https://u-bordeaux-fr.zoom.us/j/92756103231?pwd=MTM5TStyaVM1Nmx3ZUFrUE13RmtEQT09

Meeting ID: 927 5610 3231
Password: 9Jfuq5

Attendees: Nathalie, Timea, Mélisse, Allison, Adam, Friedrich, Nichol, Mélanie, Liu, Fred
Not attending:
Document drafted by Timea, but feel free to add notes

Agenda:

(1) Current issues and limitations with line/cube cleaning

- Status of pipeline processing of cubes
- News on QA:
  - ?
  - Thomas on CO?
  - Anyone else?
  - Melanie: SiO cube and spw1
    - no beam issue
    - divergence and blanked channels in CLASS: needs revision

- Previous QA reports:
  - Fabrice on W43-MM2
    - https://drive.google.com/file/d/1WsqEGN626VtuSqXrJyeMSF1NVvLBqtUq/view
  - Melisse on G337:
    - B3-spw0 and B6-spw1: clean not deep enough → thresholds updated in imaging_parameters.py
  - Friedrich on G327 in B3?
    - no big issues
    - fits do not have the beamsize?
  - Melanie on W33: started with B6, no big issues together with Tapas on N2H+, Melanie on SiO

For anyone doing QA: only look at cubes generated from November onwards, only zoomed N2H+ and SiO + fullcubes B3 spw 0 and B6 spw 1.

(2) Status of on-going projects

- Antoine: Melanie (PhD) on shocks :
- Manuel+Estrella
- LAB:
    - Melisse on G337: building spectral line density maps to search for (faint) hot cores towards G337.
    - Nathalie/Fabrice W43-MM2:

- Anyone else?
- Friedrich: G327
  Someone in the Koln group is working on the G327 field, looking for hot cores.

  A script to download a bunch of cubes at once using Globus in command line is in:
  https://github.com/ALMA-IMF/private-work/tree/master/misc
  (Note: to access to /private-work you need to be added by Adam)

(3) Status of data processing tools (ADMIT, IMAGER)

- Status of tests with IMAGER
- Status of the update of the linelist for ADMIT ?
- Adam: Linelist on github + google doc

https://github.com/ALMA-IMF/hotcores <- place to put line lists, code related to hot cores, etc. This is *private*, so you must request access (give Adam your username)