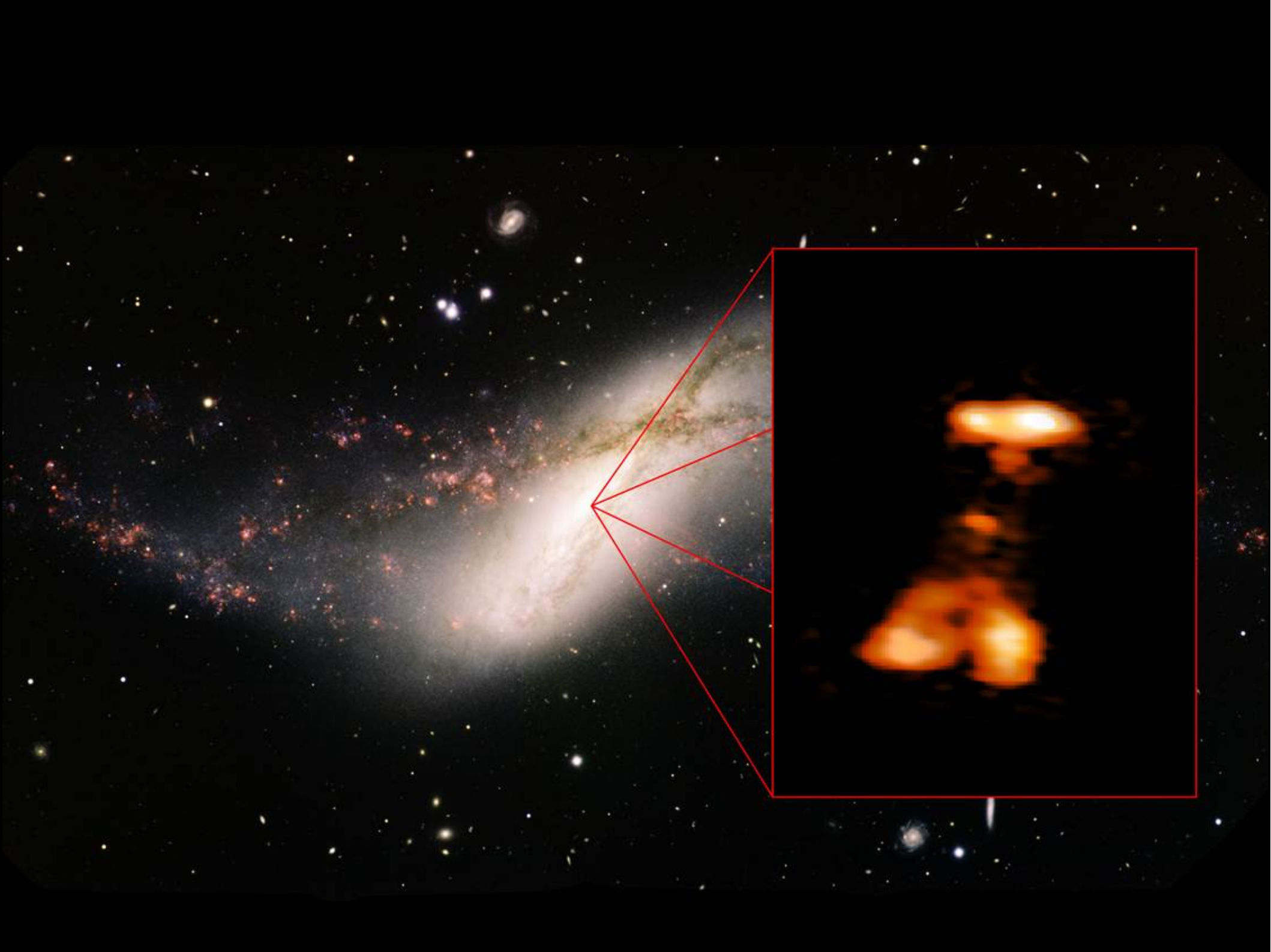
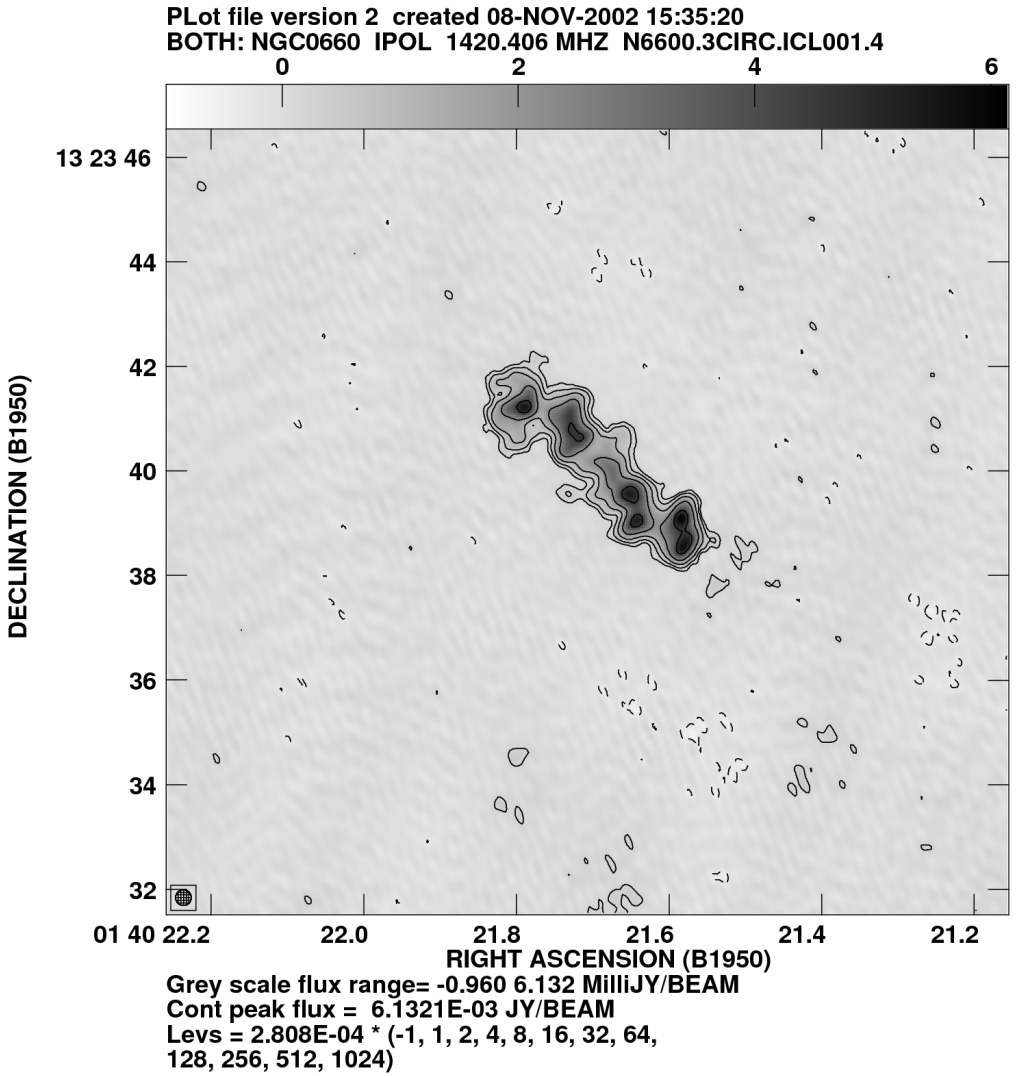
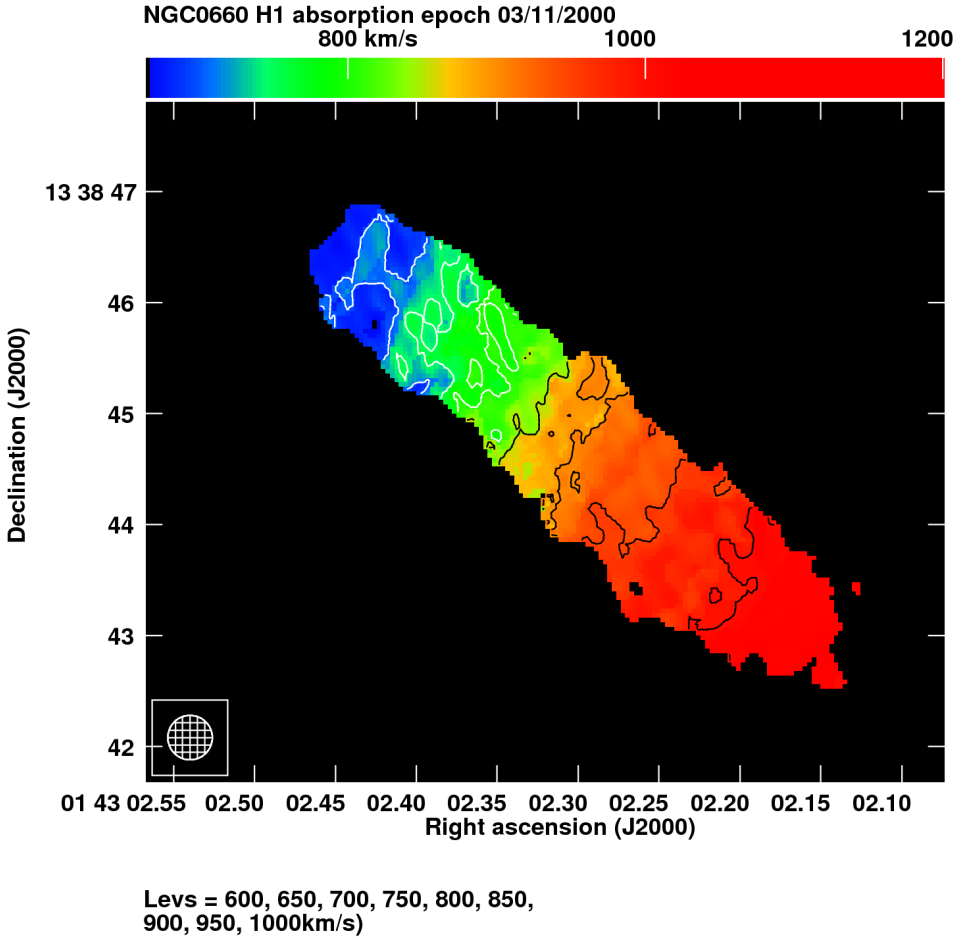
NGC660

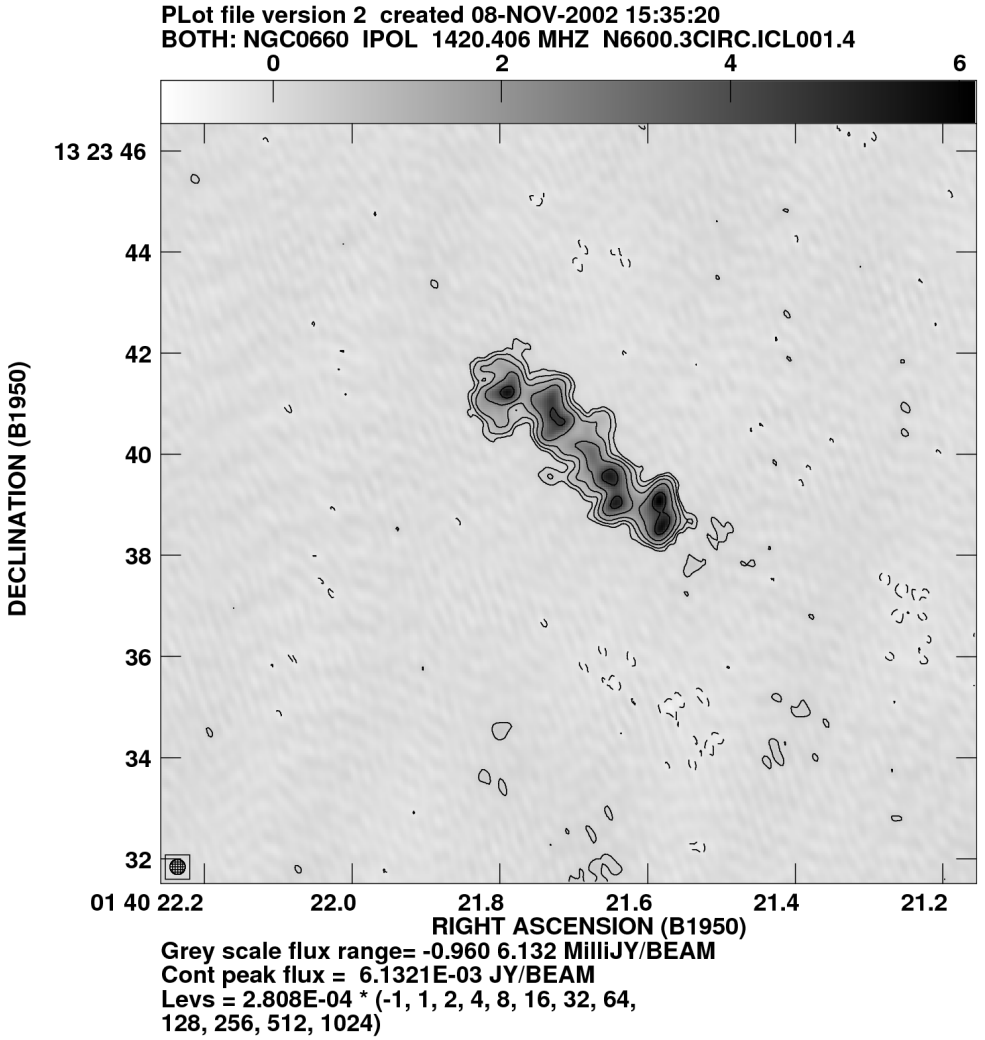


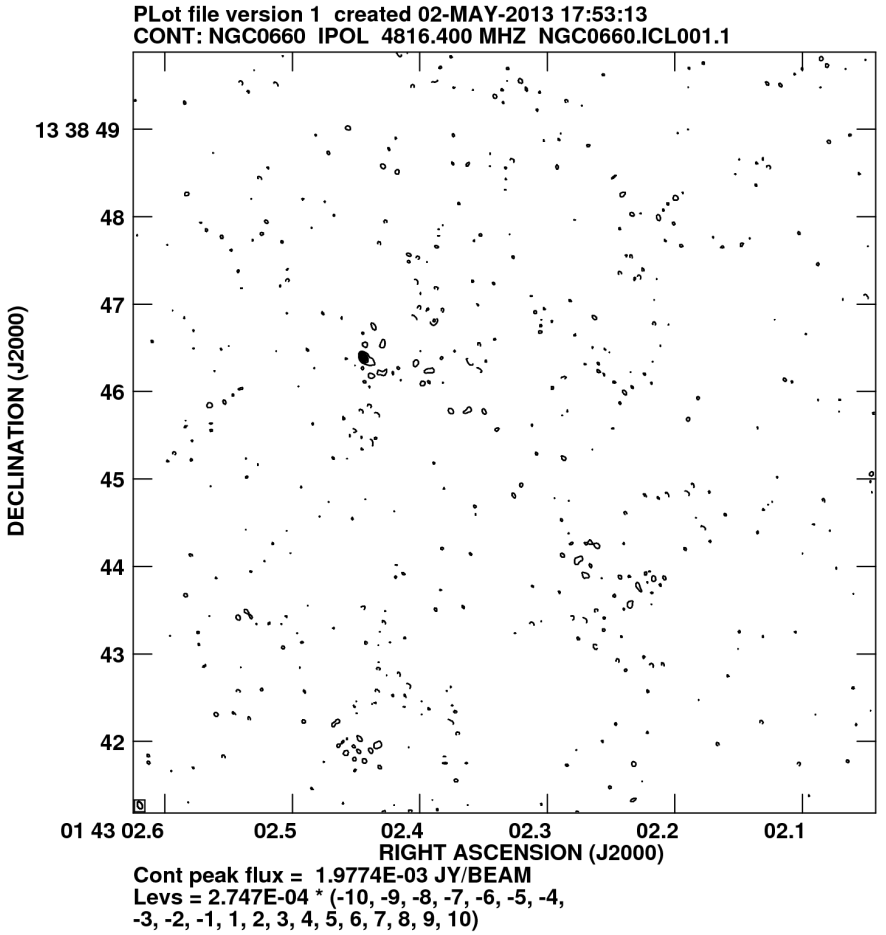
MERLIN archive 1.4GHz



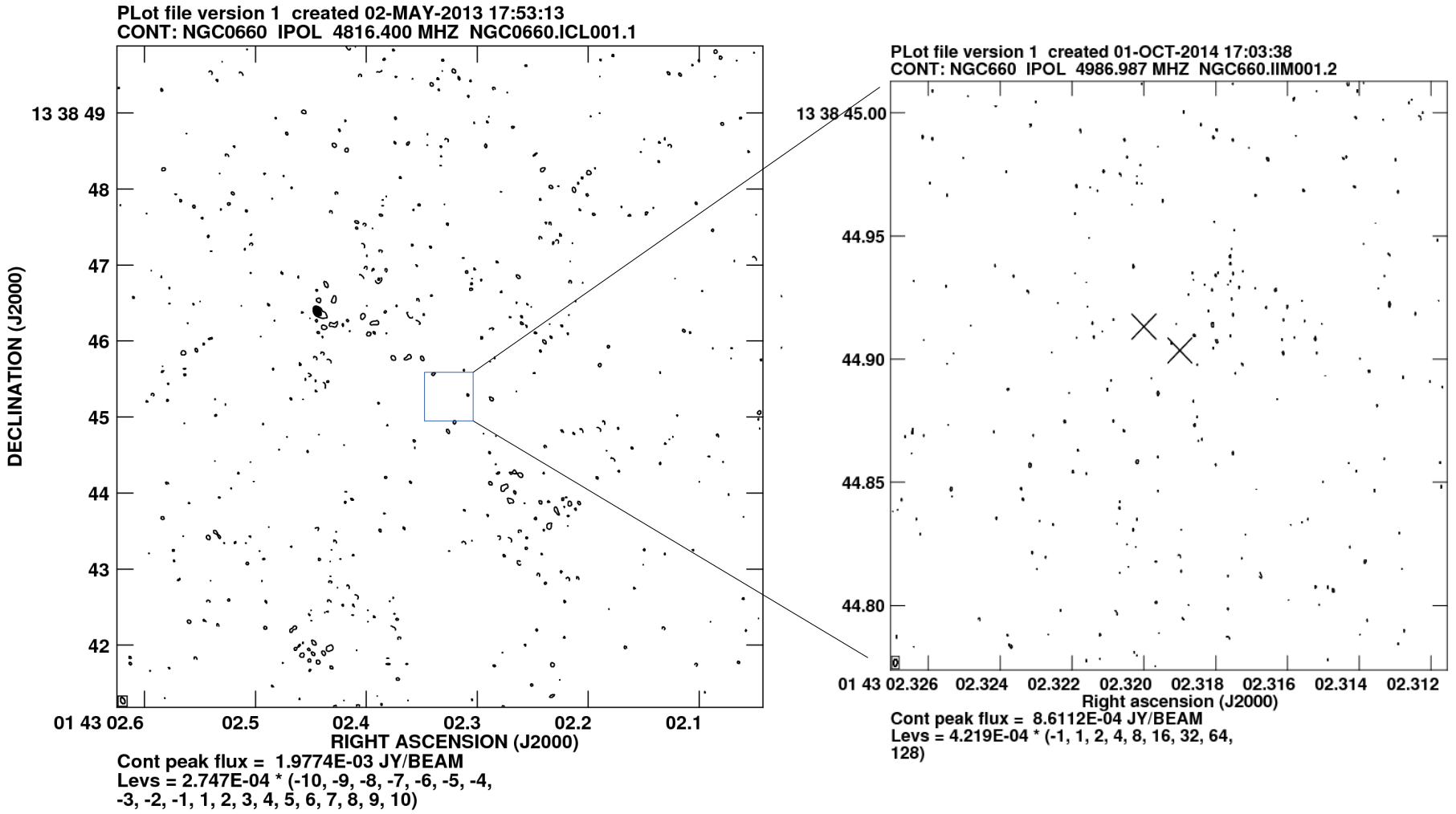


MERLIN archive 1.4 and 5GHz

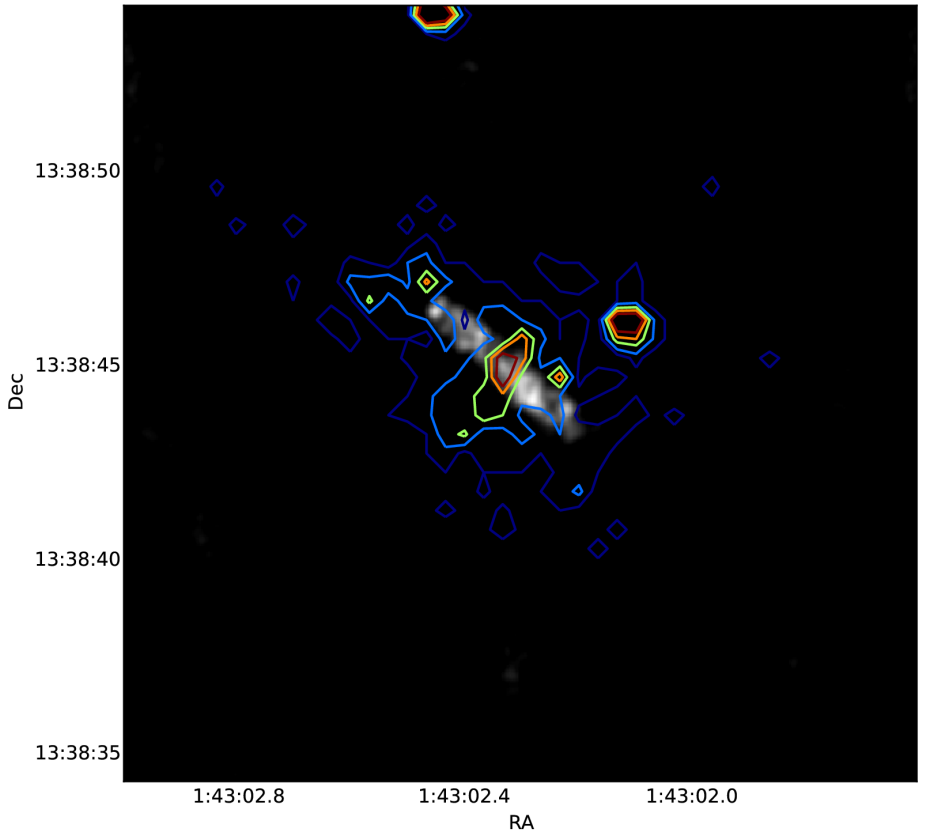


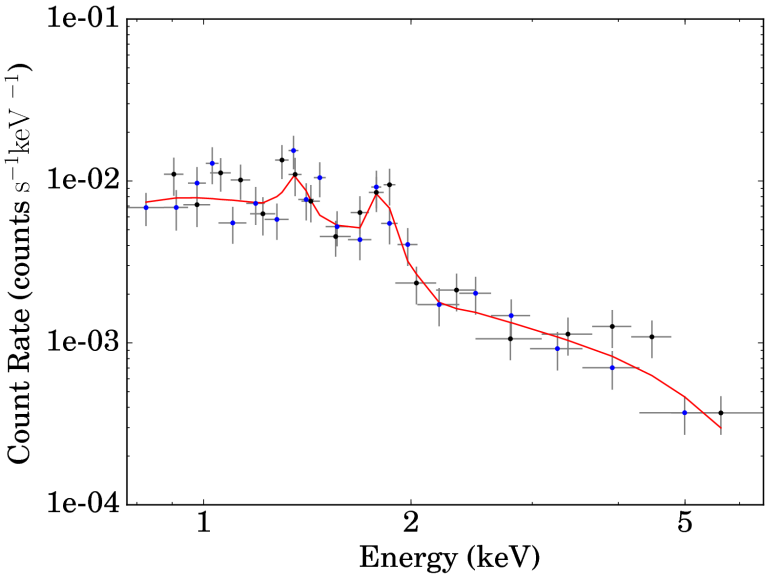


VLBA 2001 5GHz

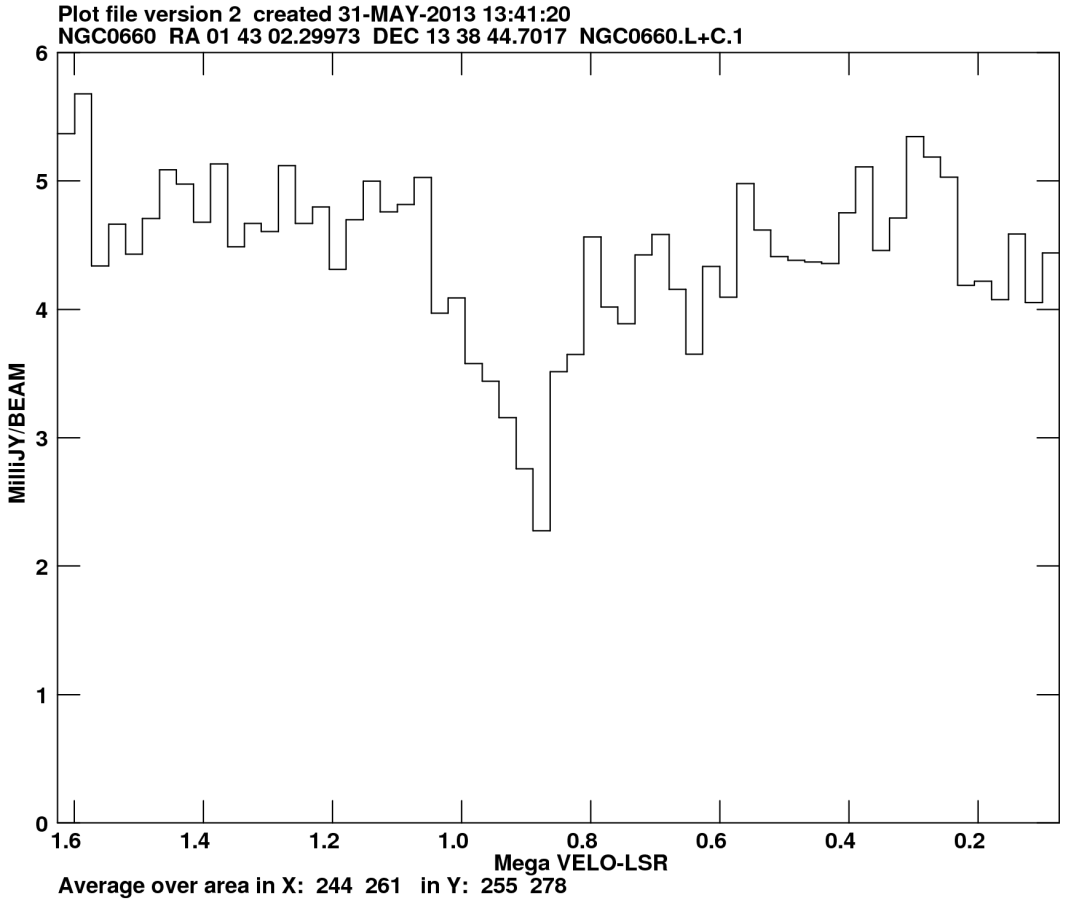


Chandra archive

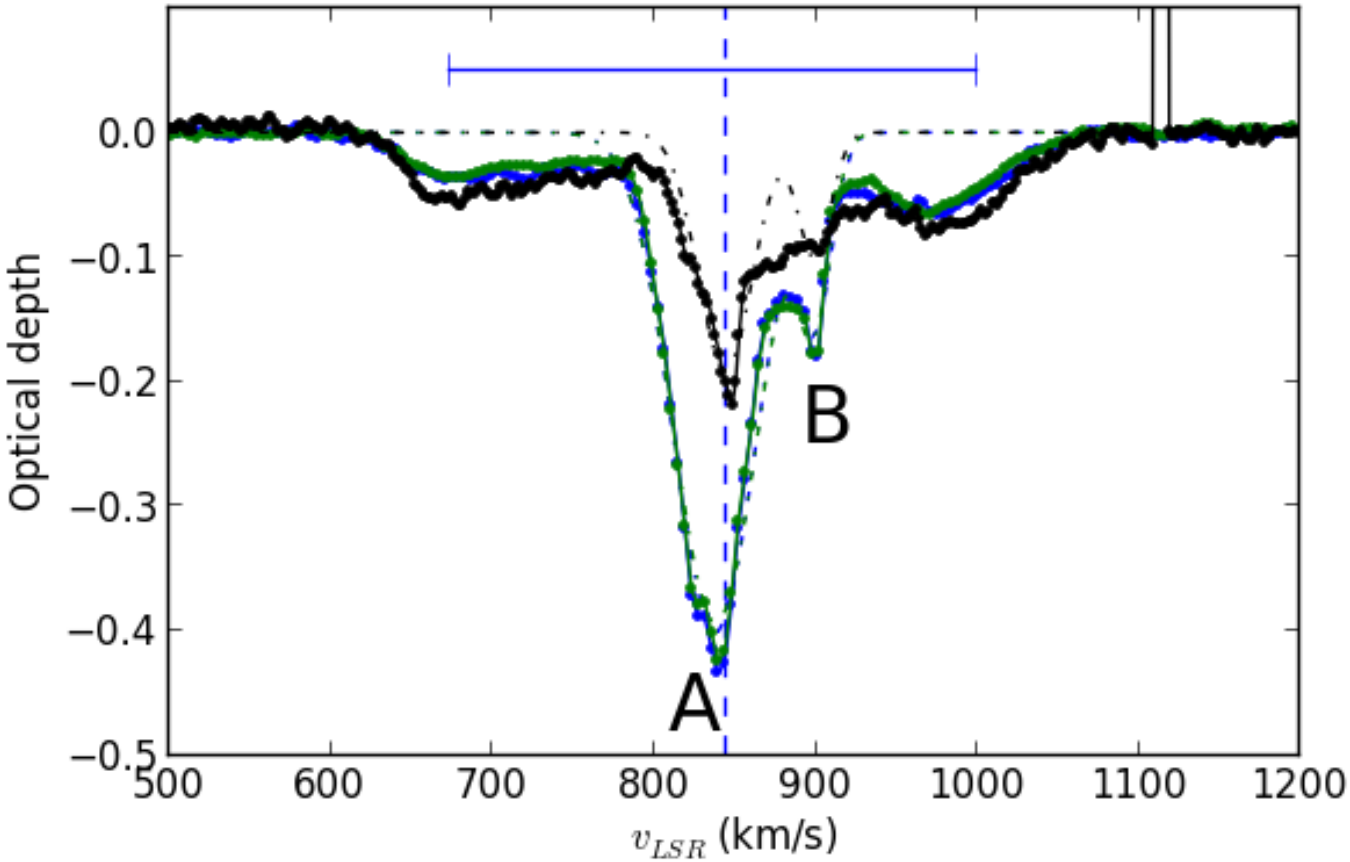




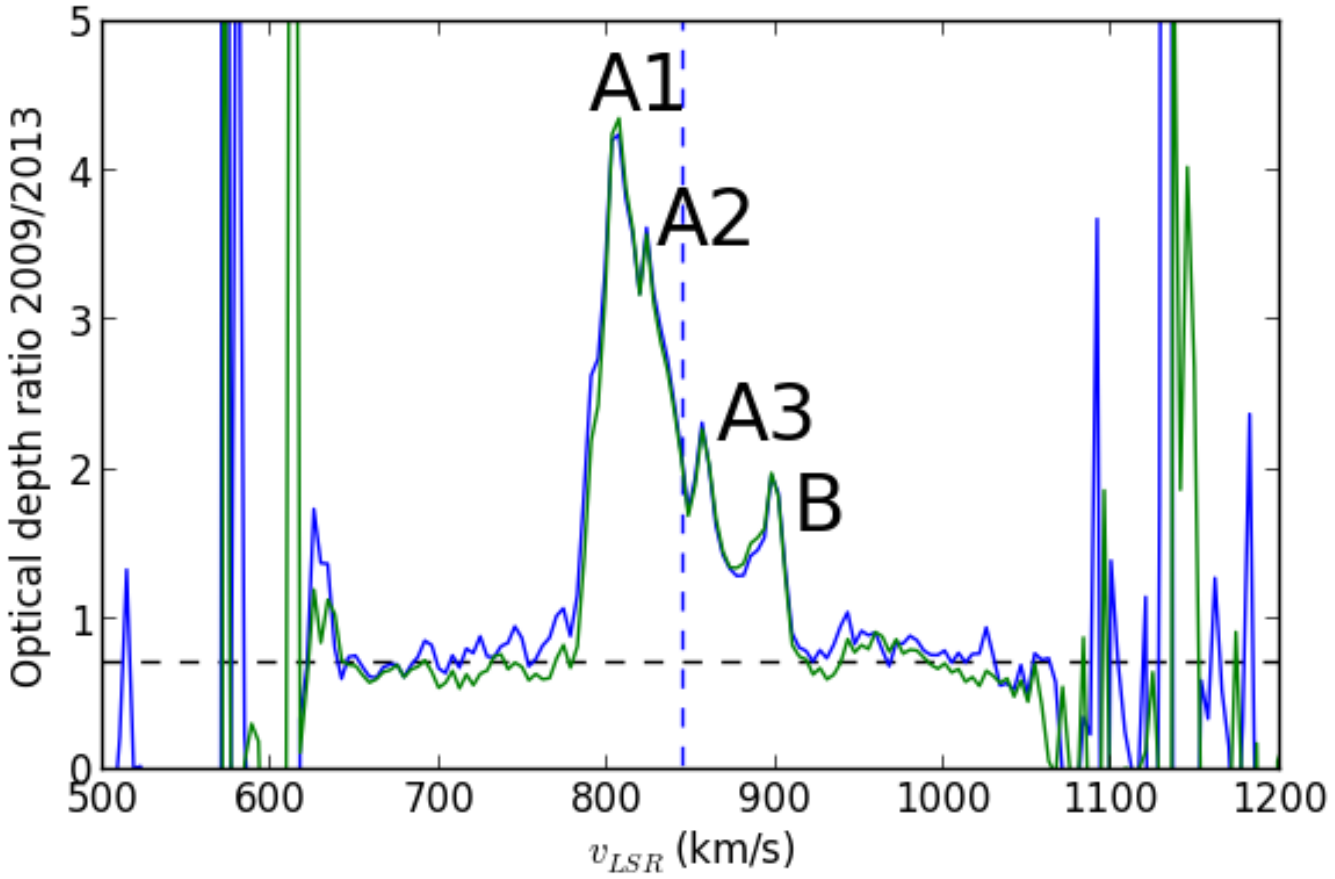
MERLIN archive 1.4GHz



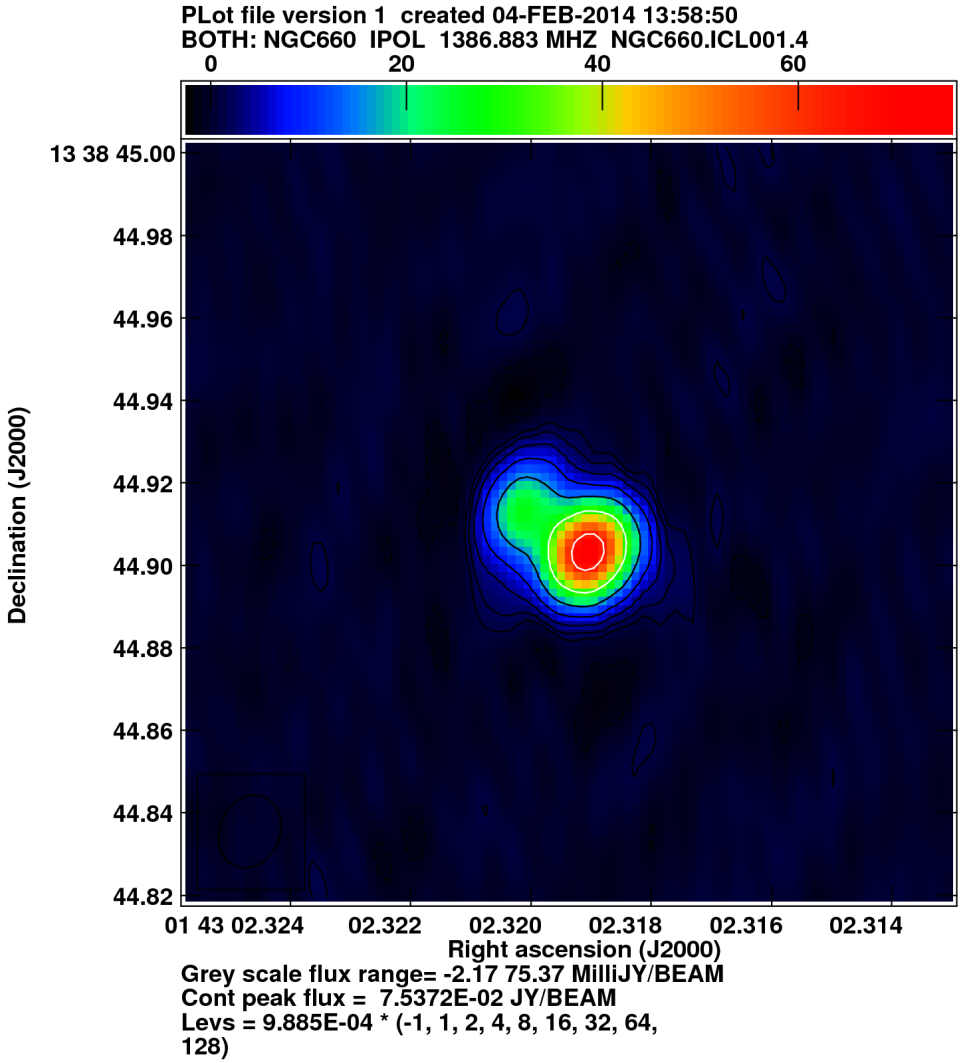
WSRT 2013

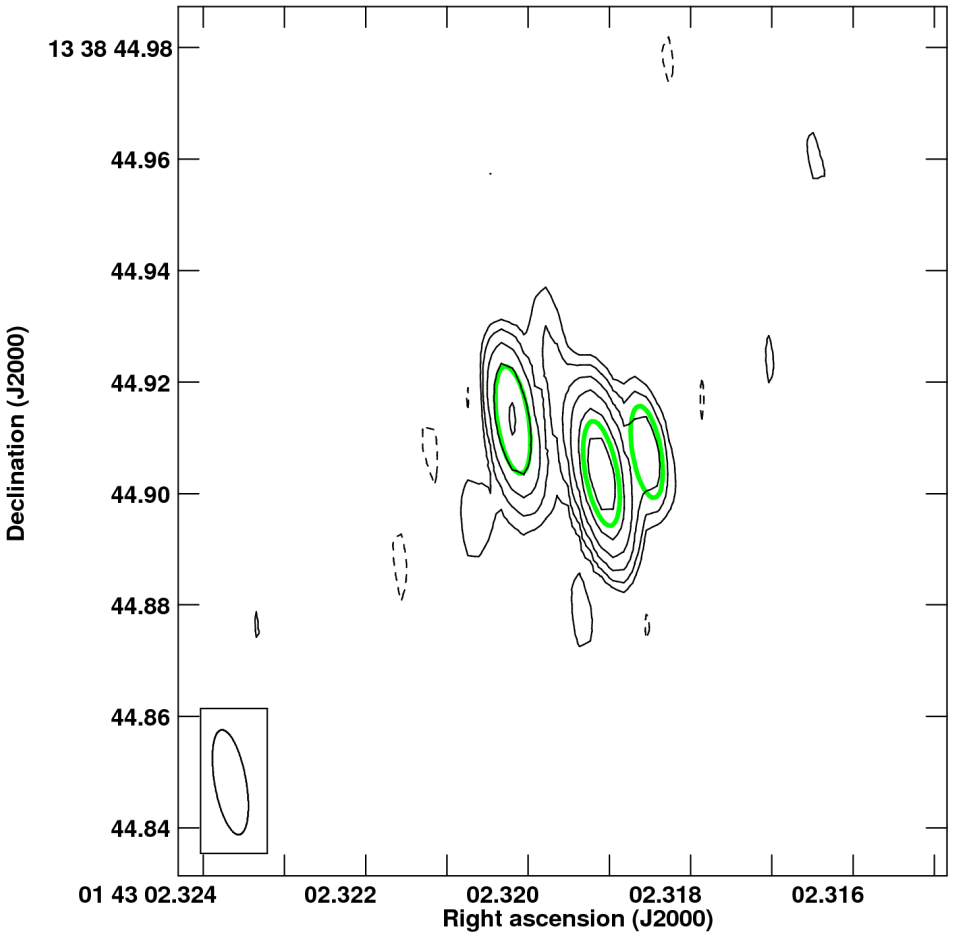

0.0
−0.1
−0.2
−0.3
−0.4
−0.5
Optical depth
500
600
700
800
900
1000
1100
1200
v_{LSR} (km/s)
A
B

Multiple epochs

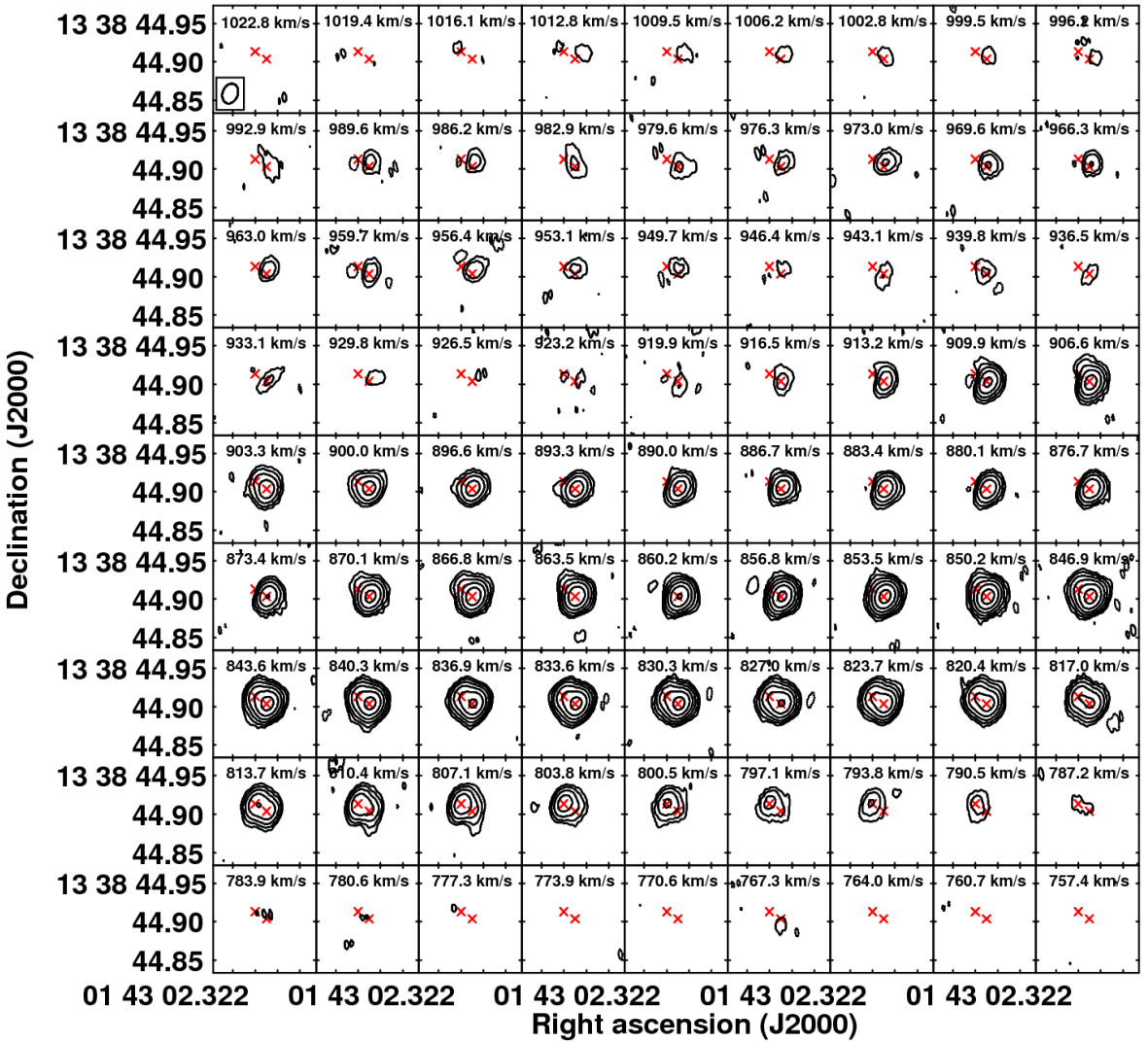


EVN October 2013

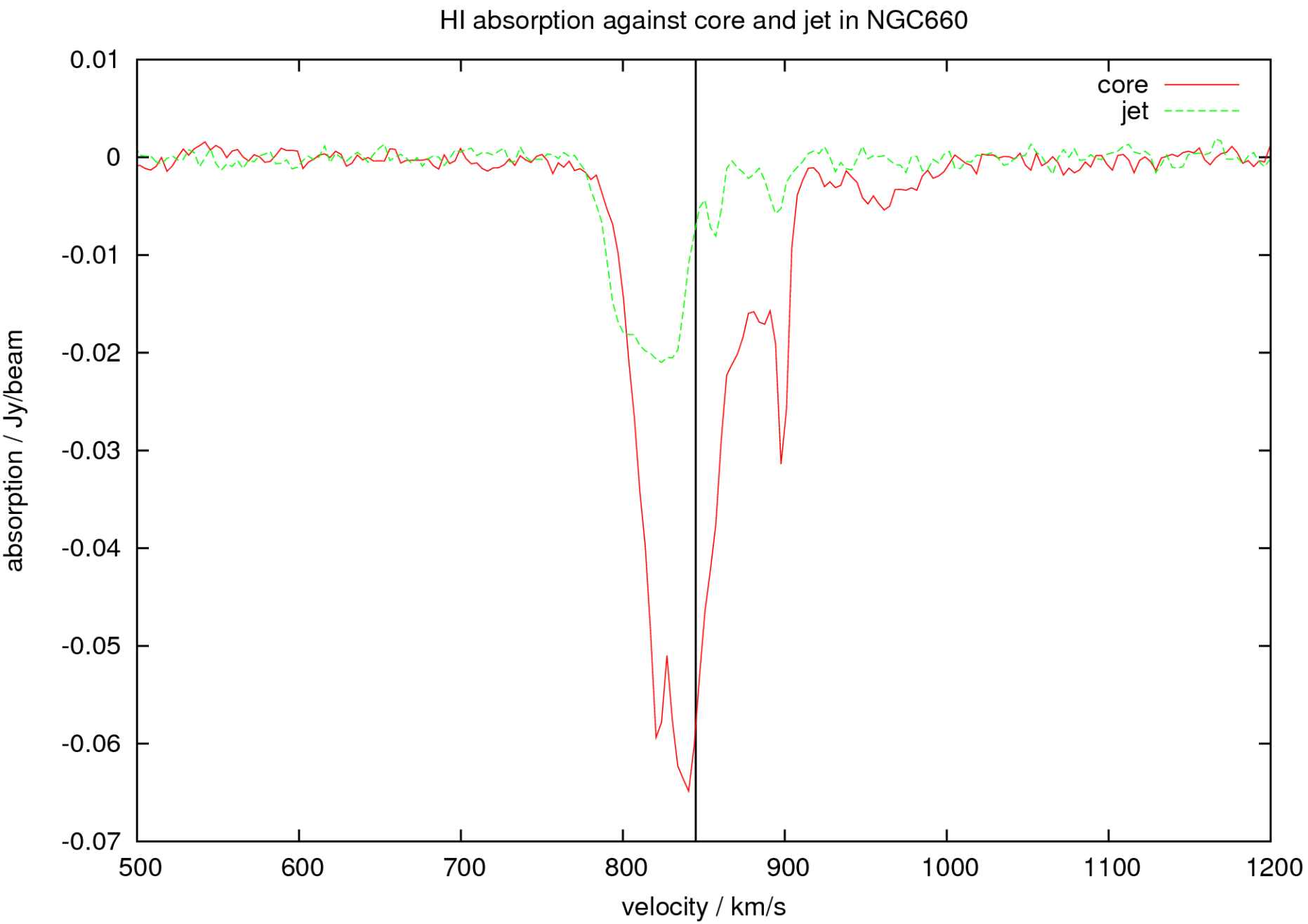




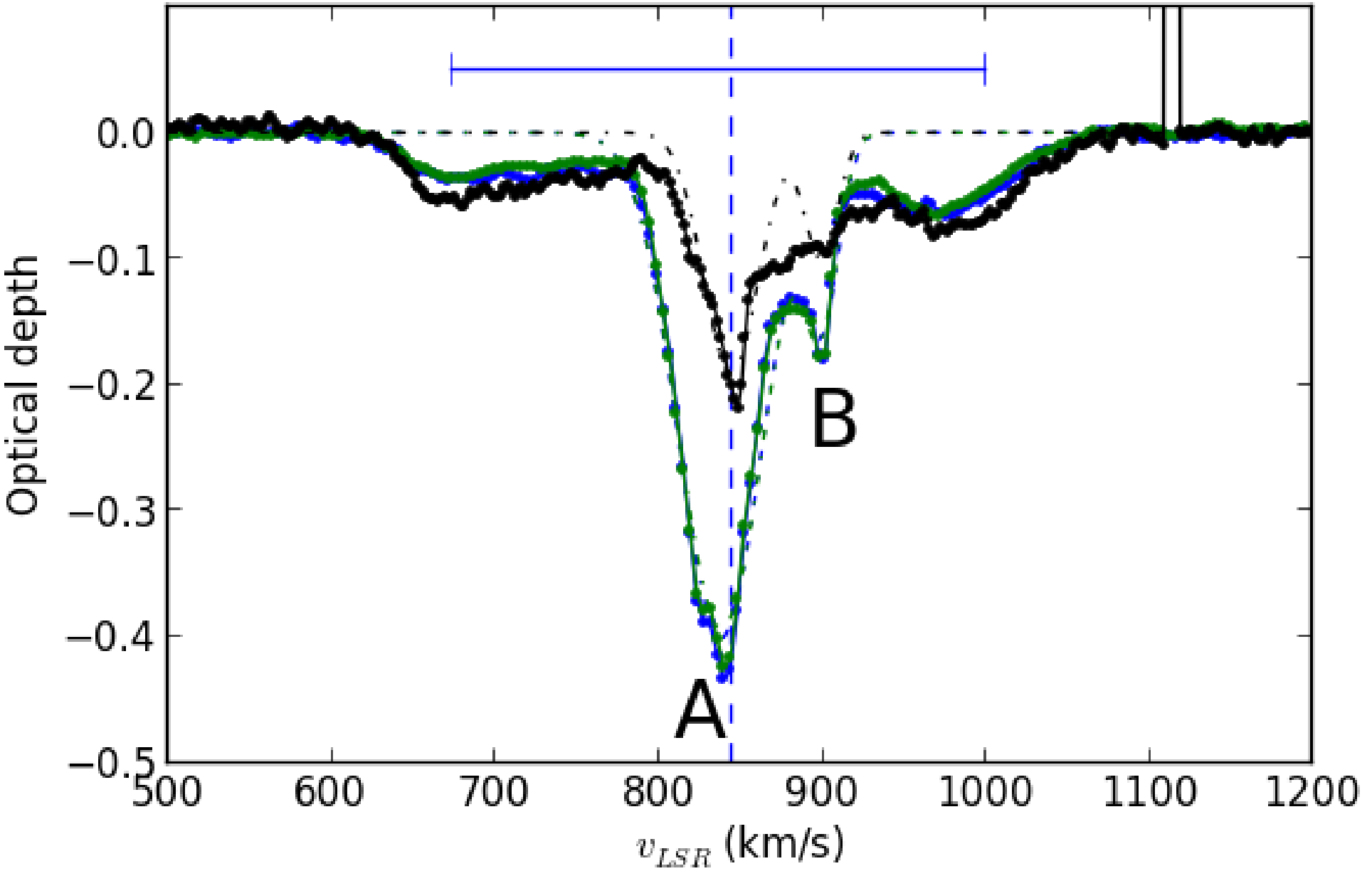
EVN October 2013



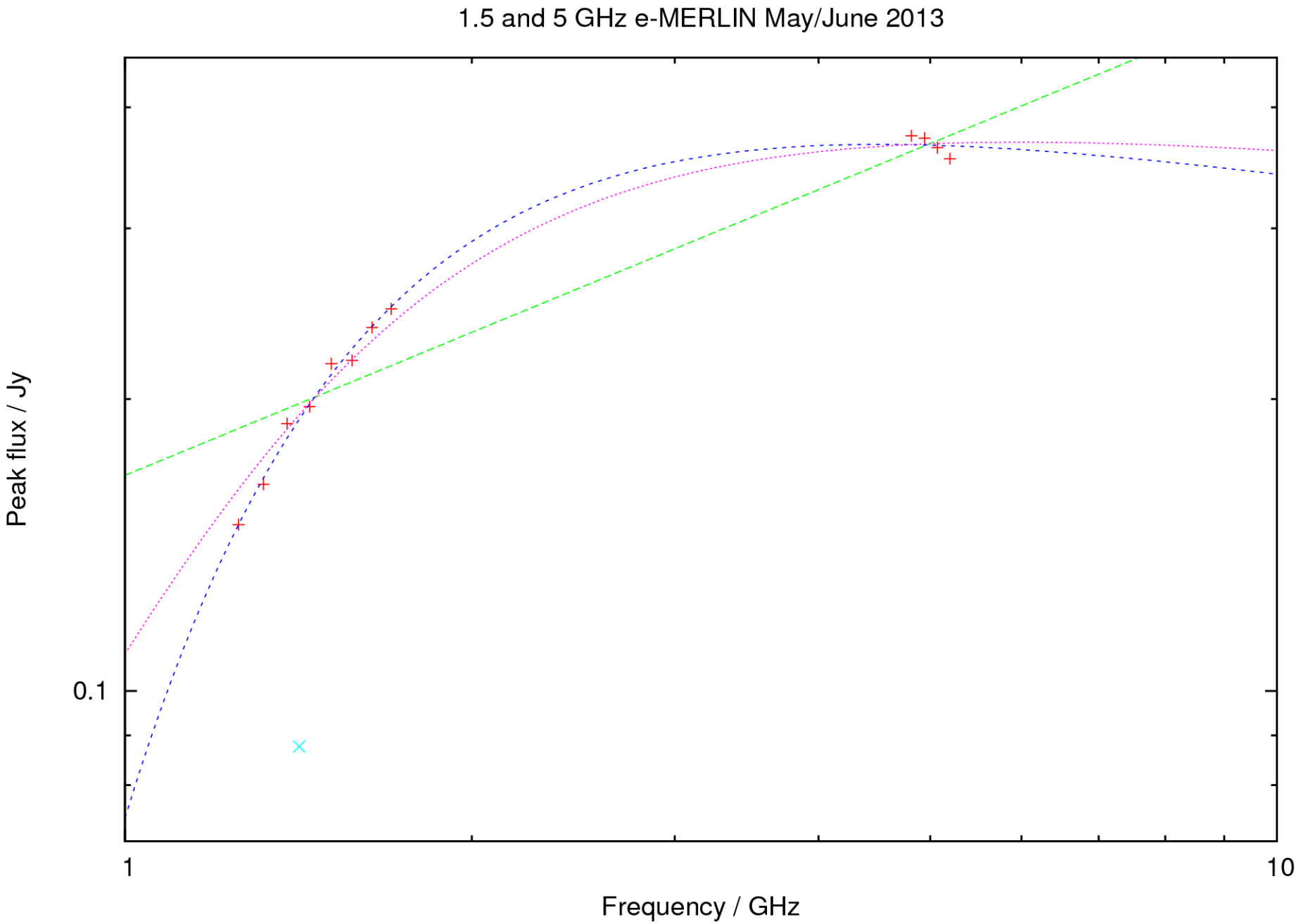
EVN October 2013



WSRT 2013


0.0
−0.1
−0.2
−0.3
−0.4
−0.5
Optical depth
500
600
700
800
900
1000
1100
1200
v_{LSR} (km/s)
A
B

e-MERLIN SED


1.5 and 5 GHz e-MERLIN May/June 2013
Peak flux / Jy
0.1
1
10
Frequency / GHz

Aside: the e-MERLIN pipeline

Requires: python, ParselTongue, AIPS and Obit.

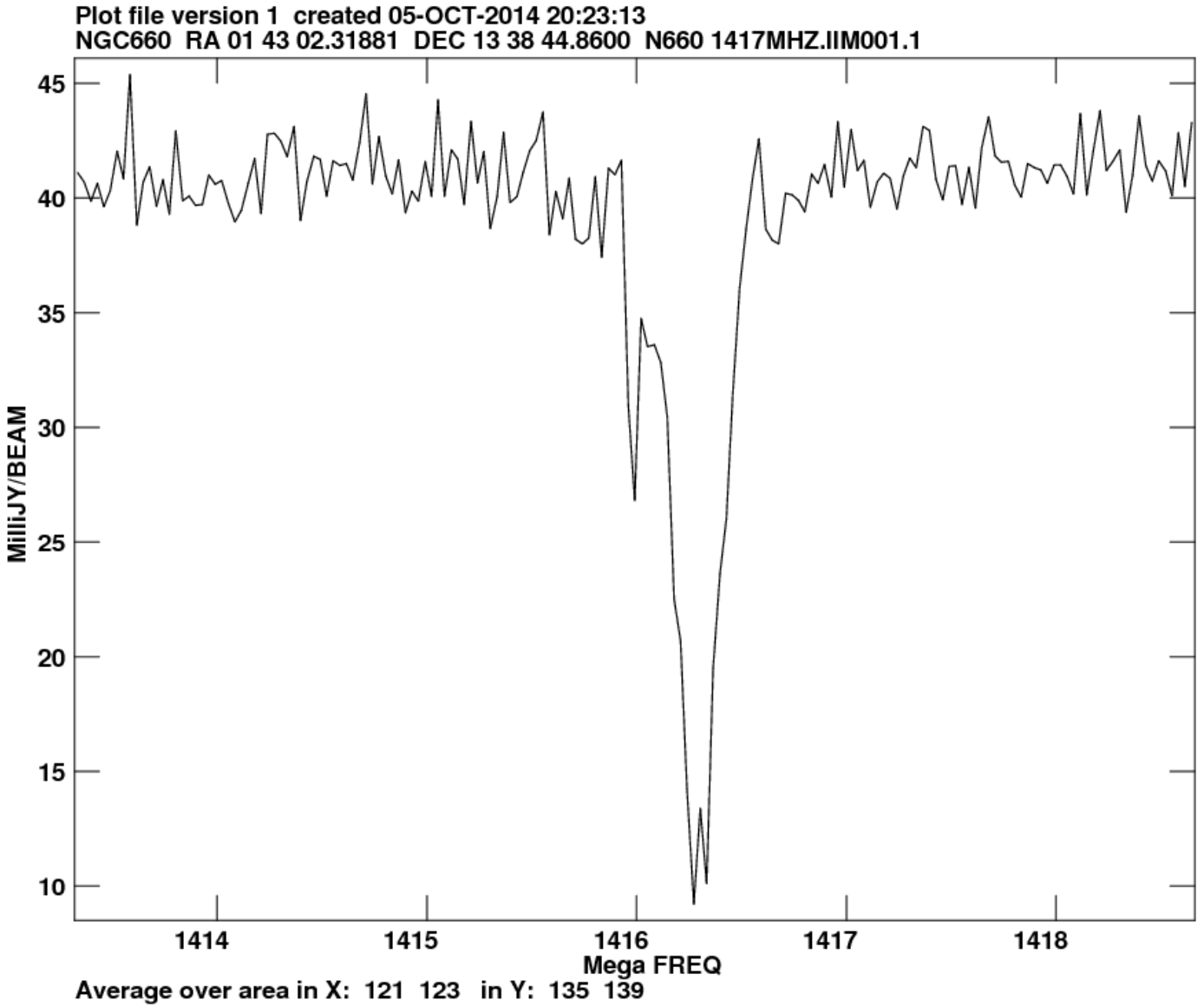
What it does:
Loading & sorting
Averaging
Concatenating
Flagmask + flagging
Diagnostic plotting
Calibration (with caveats)
SEFD calculation

What it doesn't (yet) do:
Calibrator models
Mixed (line) mode
Wide-field imaging

(but we're working on it!)

http://www.e-merlin.ac.uk/observe/pipeline
http://github.com/mkargo/pipeline
ascl:1407.017

e-MERLIN line



Where next?

Further e-MERLIN observations made
(evolution of spectra, SED, lots of lines)

A further two epochs of EVN (Oct 30th)
(morphology, HI)

Westerbork HI – watch this space

Credit: Gemini Observatory / AURA

Gemini Observatory Legacy Image

Credit: Gemini Observatory / AURA

Gemini Observatory Legacy Image