MERLIN archive 1.4GHz

Grey scale flux range: -0.960 6.132 MilliJY/BEAM
Cont peak flux = 6.1321E-03 JY/BEAM
Levs = 2.808E-04 * (-1, 1, 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024)
MERLIN archive 1.4 and 5GHz
VLBA 2001 5GHz
Chandra archive
MERLIN archive 1.4GHz

Plot file version 2 created 31-MAY-2013 13:41:20
NGC0660  RA 01 43 02.29973  DEC 13 38 44.7017  NGC0660.L+C.1

Average over area in X: 244 261 in Y: 255 276
WSRT 2013

![Graph showing optical depth vs. velocity (v_{LSR} km/s) with labeled points A and B.]
Multiple epochs
HI absorption against core and jet in NGC660

absorption / Jy/beam

velocity / km/s
WSRT 2013

The figure shows a graph with the vertical axis labeled "Optical depth" and the horizontal axis labeled "$v_{LSR}$ (km/s)". The graph contains data points and lines indicating profiles labeled A and B. The data is consistent with observations from WSRT in 2013.
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

Plot file version 1 created 05-OCT-2014 20:23:13
NGC660  RA 01 43 02.31881  DEC 13 38 44.8600  N660 1417MHZ.IIM001.1

Average over area in X: 121 123 in Y: 135 139
Where next?

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

A further two epochs of EVN (Oct 30\(^{th}\)) (morphology, HI)

Westerbork HI – watch this space