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# **LBWG memo 9**

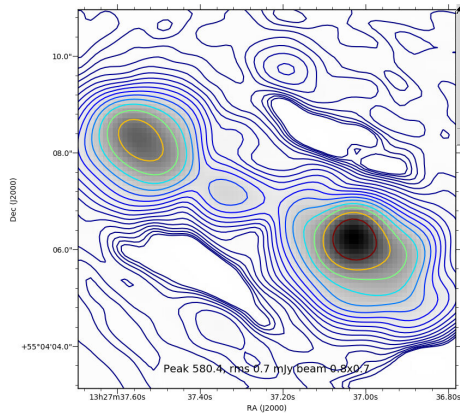
## **Images of test field sources**

Neal Jackson 03.07.18

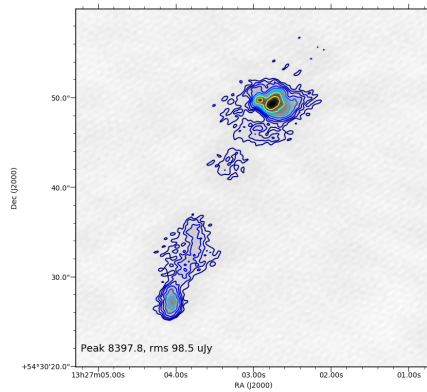
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This document is intended as a collection of images of sources made in the survey test field. It should be useful as a way of comparing different methods, and eventually establishing benchmarks by which imaging algorithms can be judged. For each picture please document the analysis method, imaging parameters (particularly the weighting) and beam size. I have used ds9 to snapshot greyscale images, using the asinh colourscale.

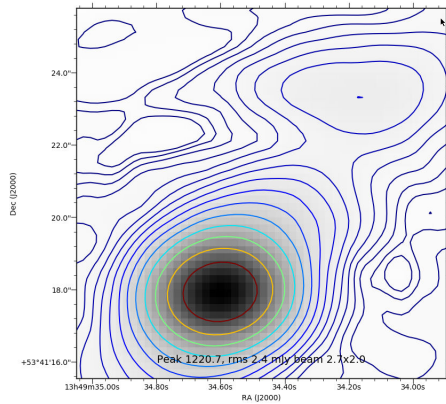
Maps have been tapered typically to 1-2 arcsecond resolution. The Python script which makes automatic plots from FITS files (using SExtractor to determine which components should be in the plot) is available from [github.com/nealjackson](https://github.com/nealjackson) and is called `aplpy_makeplot.py`.



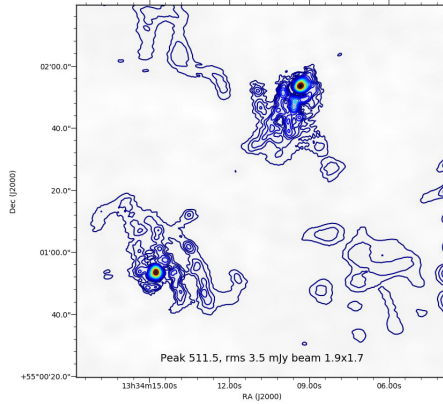
1327+5504, by hand in AIPS, beam 0.75, robust 0



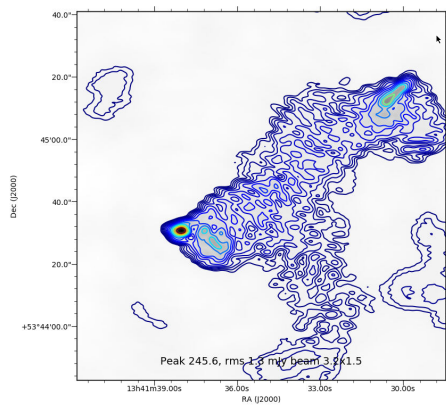
1327+5430, by hand in AIPS, robust -2, beam 0.45, phase transfer from 1327+5504



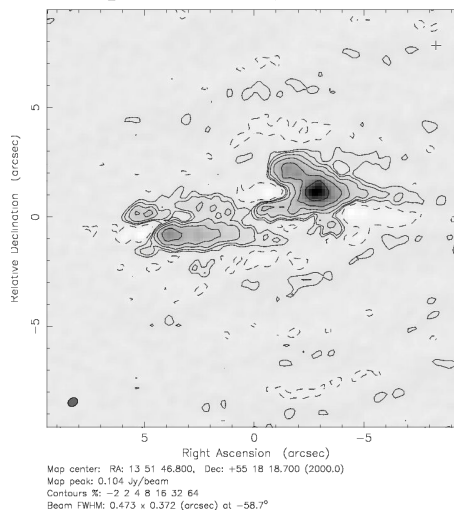
1349+5341, by hand in AIPS, natural weight, beam 2.3



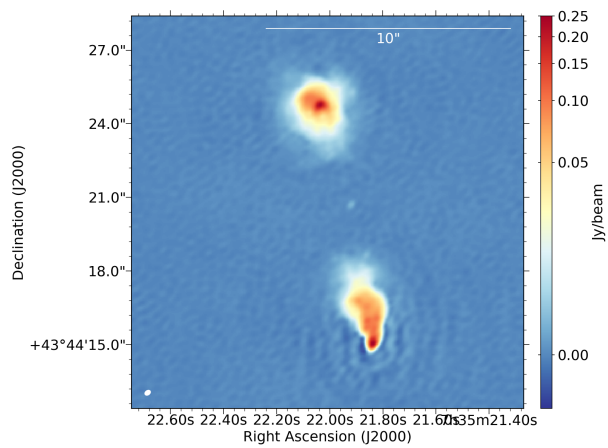
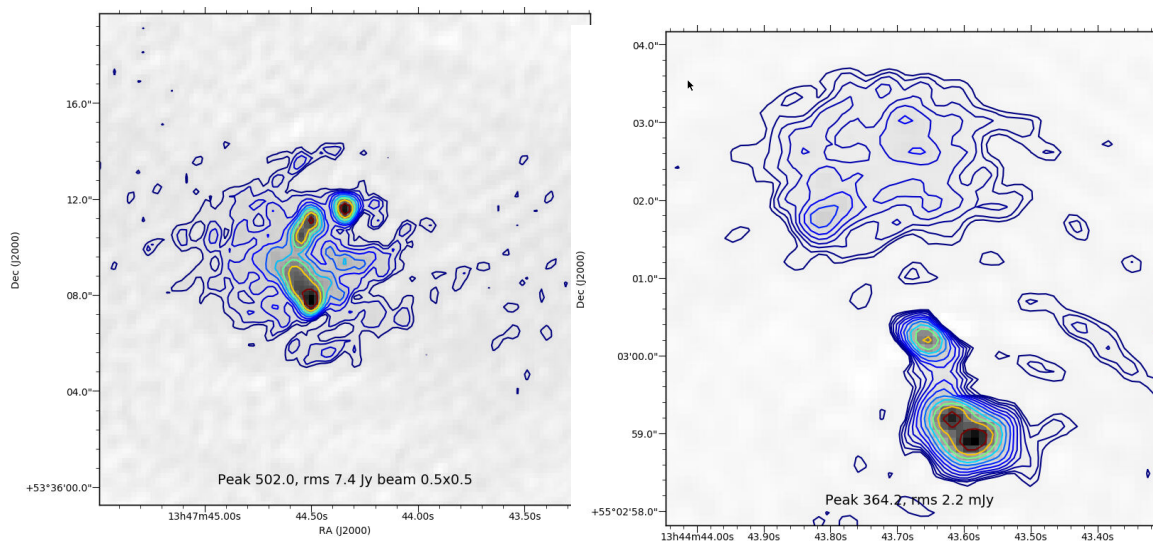
1334+5501, by hand in AIPS, natural + uvtaper to 200kl, 1.7 arcsec



1341+5344, by hand in difmap, tapered to 3.2x1.4 beam



1351+5518, by hand in difmap



Not a test-field source, but a map of 4C 43.15 ( $z = 2.429$ ) at a resolution of  $0.28'' \times 0.22''$ .