

REPORT ON THE RADIONET3 NETWORKING ACTIVITY

TITLE: E-MERLIN DATA SCHOOL

DATE: *2014 JANUARY 20-21* **TIME:** (WHOLE DAY)

LOCATION: *MANCHESTER, UK*

MEETING WEBPAGE [*http://www.jb.man.ac.uk/meetings/emerlin2014/*](http://www.jb.man.ac.uk/meetings/emerlin2014/)

HOST INSTITUTE: *JBCA*

PARTICIPANTS NO: *36*

MAIN LEADER: *NEAL JACKSON (UMAN)*

REPORT:

1. Agenda of the meeting

Monday 20 January

09.30 Welcome

10.00 Introduction to the e-MERLIN pipeline (administration and automatic flagging)

11.30 Data inspection and editing

Short practical session

12.30 Lunch

13.30 Fringe-fitting and phase calibration

Bandpass calibration

Practical session

19.00 Workshop dinner

Tuesday 21 January

09.30 Imaging

Practical session

12.30 Lunch

13.30 Imaging and further topics

Practical session

15.00 Status of polarization calibration

16.00 End of data school

2. Scientific Summary

The aim of this event was to help those unfamiliar with the techniques of radio interferometry to reduce e-MERLIN data, including the use of existing analysis pipelines provided by the observatory, in time to present results at the early science meeting in April 2014. Talks covered observing, calibration and imaging but the bulk of the time was devoted to hands-on data reduction. A number of more experienced attendees pursued advanced techniques, in particular refining the SERPent flagging tool and providing extensive and very constructive feedback on the e-MERLIN pipeline and cookbook.



3. Attendance list (incl. participant names, affiliation and country)

Sam Connolly, Uni. Southampton UK
Gulay Gurkan Uygun, Uni. Hertfordshire UK
Diane Brookes, Uni. Birmingham UK
Robert Laing, ESO Germany UK
Petrus van Oers, Uni. Southampton UK
Danielle Fenech, UCL UK
Christopher Harrison, Uni. Durham UK
Ian Harrison, Uni. Manchester UK
Steve Goldman, Uni. Keele UK
Tamela Maciel, Uni. Cambridge UK
Alasdair Thomson, Uni. Durham UK
Jane Greaves, Uni. St Andrews UK
Sandra Etoka Sterrewachte Hamburg, Germany
Luke Maud, Uni. Leeds UK
Kingsley Gale-Sides, Uni. Keele UK
Simon Purser, Uni. Leeds UK
Chris Simpson, LJMU UK
Tom Muxlow, Anita Richards, Rob Beswick, Megan Argo, Pierre-Emmanule Belles, Neal Jackson, JBCA, UK

two from Germany, rest UK, 8 women

Also local attendees for lectures only, names not recorded

4. Financial Report / RadioNet3 contribution

RadioNet contributed approx. €1000 to cover refreshments, lunches and dinner

5. Conference Proceedings and Web page

The e-MERLIN Cookbook and Pipeline, revised in response to feedback from the School, are located at http://www.e-merlin.ac.uk/data_red/

(Picture shows pipelined image of gravitational lens made at the school)

