

**MWA Call for Proposals – 2016A semester  
26/08/2015**

To: Prospective users of the Murchison Widefield Array (MWA)

From: MWA Director (Prof. Steven Tingay)

This document constitutes the MWA Call for Proposals for semester 2016A (Jan 1, 2016 – June 30, 2016).

Information for prospective MWA users is contained in the second MWA Announcement of Opportunity (AO) at:

<http://www.mwatelescope.org/images/documents/MWA-AO-02.pdf>

Prospective users are encouraged to read the AO before preparing a proposal for MWA observing time. An important addendum to the second AO document, pertaining to the availability of the MWA Voltage Capture System, is also available. Prospective users interested in the Voltage Capture System are encouraged to read the addendum:

<http://www.mwatelescope.org/images/documents/MWA-AO-02-addendum.pdf>

Prospective users should also review the results of the allocation of observing time for the first three MWA observing semesters (2013B, 2014A, 2014B, and 2015A) at:

<http://www.mwatelescope.org/index.php/astronomers>

This Call for Proposals is for the allocation of 1600 hours of observing time in the Guaranteed Time and Open Access categories, during the period January 2016 to June 2016. This observing period is designated 2016A.

Please complete the following proposal template, adhering to the page limits indicated (minimum font size of 12 pt). Send the completed form as a PDF file to the MWA Director, as indicated on the form by the deadline:

16<sup>th</sup> October 2015

Please adopt the file name convention for the PDF as follows:

FIRST.LAST.X.2016-A.pdf

Where:

FIRST = lead author first name (capitalised)

LAST = lead author last name (capitalised)

X = project number for this lead author, starting from 1 (i.e. if the lead author submits proposals for more than one project, X=1, 2, 3, ..... etc)

To: MWA Director  
Prof. Steven Tingay, Curtin University  
[S.Tingay@curtin.edu.au](mailto:S.Tingay@curtin.edu.au)

From: **[INSERT PROPOSAL LEAD INVESTIGATOR NAME HERE]**

RE: Proposal for MWA observing time (January 2016 – June 2016)

### **Part A – Team/summary information**

Title of proposal:

Area(s) of MWA science (EoR; GEG; Transients; SHI):

Members of Proposal team (list names, titles and institutions):

Category of time requested (GT or OA):

Total time requested (hrs):

Time requested that is commensal with other proposals, if known (hrs). List any known commensal proposals:

List of frequencies requested in this proposal:

List of observing modes requested in this proposal (including the spectral and temporal resolution of the correlator output required, use of Voltage Capture System etc, chosen from the options available in the second AO document and the addendum to the second AO document):

Is this a continuation of a previous proposal (if so, list project #)?:

Abstract (maximum 300 words):

### **Part B – Project Description**

Provide a description of the project (maximum of 3 pages, including figures and references). Please include:

- A scientific justification for the project;
- Information demonstrating feasibility against the MWA capabilities, in particular describing why the MWA capabilities are essential for the science proposed;
- If this is a continuation of a previous proposal, include progress report (maximum 300 words).

## **Part C – Technical requirements and data management**

Provide a description of the technical requirements for this project (maximum of 2 pages, including figures and references). Please include:

- A statement of the observing time required, broken down against observing mode (drift scan or pointed and tracked, spectral and temporal resolution of correlator output, Voltage Capture System observations), observing frequencies, time of day, time of year, hour angle limits, coordinates or any other relevant parameters;
- A description of any plans your team have to release data or data products into the public domain (particularly for projects requesting in excess of 100 hours of observation time);
- A description of your plans for processing data resulting from this proposal (particularly for projects requesting in excess of 100 hours of observation time).
- If you are submitting a continuation of a previous proposal, provide a detailed description of the results and status of prior efforts.