

WP7 JRA RINGS

The main objective for RINGS (Radio Interferometry Next Generation Software) is to deliver advanced calibration algorithms for the next generation of radio astronomy facilities, characterized by a high sensitivity, a high bandwidth and long baselines ([RINGS Description](#)).

The RINGS partner: MPG, ASTRON, JIV-ERIC, UMAN, OSO, DIAS

The RINGS tasks:

- WP7.1 Methodology and approach [ASTRON, UMAN OSO, JIV-ERIC, MPG, DIAS]
- WP7.2 Polarimetry Conversion [OSO, DIAS]
- WP7.3: Multiband and Wide Band Fringe Fitting [JIV-ERIC, DIAS, MPG]
- WP7.4: Fringe Fitting with dispersive delays [UMAN, ASTRON, DIAS, MPG]
- Task 7.5: Advanced calibration algorithms for full-polarization interferometry data [OSO, DIAS]

This activity is lead by ASTRON - Leader G. Kruithof.

RINGS Meetings / Teleconferences

- 17-18 January 2017, Alcala/ES - [BRAND EVN Kick off](#)

Deliverables

The following deliverables are scheduled for WP7:

No	Del. Title	Lead beneficairy	Type	Dissem. level	Due date	Subm. date	Document
D6.1	Report on recommendations for individual EVN antennas.	UAH	RE	Public	30.6.2017		
D6.2	Description and evaluation of the analogue part of the prototype (frontend) of the BRAND receiver for one selected antenna	OSO	RE	publica	31.12.2019		
6.3	Description and evaluation of the digital part of the BRAND receiver (backend)	INAF	RE	Public	31.12.2019		
6.4	Description and evaluation of the Control, Recording and Correlation software	ASTRON	RE	Public	31.12.2019		
6.5	Test results of the integrated BRAND receiver	MPG	RE	Public	30.06.2020		

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