

AA-low Technical Progress meeting

Date: 22 & 23 October 2012
Venue: Medicina
Attendees: Engineering and Management of AA-low

Subject

Review the engineering progress made on Aperture Arrays during 2012 as a pre-cursor to the AA Consortium formation. Consider the technical way forward.

Agenda

Monday, 22 October

Morning: Travel

Afternoon, 2.00pm

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| 1. Welcome | 14.00 | |
| 2. Minutes of previous AA-low telecom | 14.10 | Jan Geralt |
| 3. AA-low action items (non-agenda items) | 14.15 | All |
| 4. Coffee Break | 15.00 | |
| 5. Progress/status reports: | 15.30 | |
| a. ICRAR | | |
| b. INAF | | |
| c. ASTRON | | |
| d. UK | | |
| 6. AAVSO.5 – description, schedule, motivation | 16.30 | Andy /Mark Waterson |
| 7. End of session | 17.30 | |
| 8. Dinner | 19.00 | |

Tuesday, 23 October

1. AA System configuration options	09.00	Andy
a. AA-low selection criteria		
b. Power consumption		
2. Element measurement reports	9.30	Eloy/Giuseppe/Mark
3. Coffee Break	11.00	
4. Single-Dual element discussion	11.30	Peter H/Kris ZA
5. Pre-industrial Version SKALA/Vivaldi	12.00	Cambridge C. / COSPAL
6. Processing		
a. UNIBOARD implementation	12.30	Laurens
b. Other implementations	12.50	Kris ZA
c. ADC implementation options	13.10	Jan Geralt
7. Lunch	13.30	
8. Calibration issues	14.30	Keith G
9. Analogue chain		
a. LNA implementation	15.00	Nima/Federico
b. RFI evaluation	15.30	Laurens
Small coffee break	16.00	
c. Gain, filters, phase switch, auto	16.30	Jader/Nima
d. RF over Fibre	17.00	Federico
10. Test Plan	17.30	Nima
11. Deployment considerations	18.00	Mark
12. Summary and close	18.30	Jan Geralt