

**Dish Array CoDR**

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# **Addressing SKA requirements with offset Gregorian optics**

**Presenter:** TDP

Contribution ID: 1

Type: **not specified**

# **Addressing SKA requirements with axi-symmetric optics**

**Presenter:** TDP

Contribution ID: 2

Type: **not specified**

## **Description of the DVA1 concept and how it addresses SKA requirements**

**Presenter:** DRAO/TDP

Contribution ID: 3

Type: **not specified**

## **Addressing SKA requirements with axi-symmetric optics**

*Wednesday, 13 July 2011 11:05 (20 minutes)*

Presenter: J. Pragt (ASTRON)

**Session Classification:** Dish concepts

Contribution ID: 4

Type: **not specified**

## **Addressing SKA requirements with offset Gregorian optics**

*Wednesday, 13 July 2011 11:25 (20 minutes)*

Presenter: L Baker (TDP)

**Session Classification:** Dish concepts

Contribution ID: 5

Type: **not specified**

## **Description of the DVA1 concept and how it addresses SKA requirements**

*Wednesday, 13 July 2011 11:45 (1 hour)*

Presenters: G. Lacy (DRAO) and M. Flemming (TDP)

**Session Classification:** Dish concepts

Contribution ID: 6

Type: **not specified**

## **DVA1 dish concept logistical engineering**

*Wednesday, 13 July 2011 13:30 (15 minutes)*

Presenter: G. Lacy (DRAO)

**Session Classification:** Dish concepts (continued)



Contribution ID: 7

Type: **not specified**

## **DVA1 dish concept risks and their mitigation**

*Wednesday, 13 July 2011 13:45 (15 minutes)*

Presenter: G. Hovey (DRAO)

**Session Classification:** Dish concepts (continued)

Contribution ID: 8

Type: **not specified**

## **DVA1 dish concept cost estimates and plans to proceed in the PEP phase**

*Wednesday, 13 July 2011 14:00 (15 minutes)*

Presenter: G. Hovey (DRAO)

**Session Classification:** Dish concepts (continued)

Contribution ID: 9

Type: **not specified**

## **Description of the NRF dish concept and how it addresses SKA requirements**

*Wednesday, 13 July 2011 14:15 (1 hour)*

Presenter: L.J. du Toit (EMSS/NRF)

**Session Classification:** Dish concepts (continued)

Contribution ID: **10**

Type: **not specified**

## **NRF dish concept logistical engineering**

*Wednesday, 13 July 2011 15:35 (15 minutes)*

Presenter: A. Loots (NRF)

**Session Classification:** Dish concepts (continued)

Contribution ID: **11**

Type: **not specified**

## **NRF dish concept risks and their mitigation**

*Wednesday, 13 July 2011 15:50 (15 minutes)*

Presenter: A. Loots (NRF)

**Session Classification:** Dish concepts (continued)

Contribution ID: 12

Type: **not specified**

## **NRF dish concept cost estimates and plans to proceed in the PEP phase**

*Wednesday, 13 July 2011 16:05 (15 minutes)*

Presenter: A. Loots (NRF)

**Session Classification:** Dish concepts (continued)

Contribution ID: 13

Type: **not specified**

## Introduction to single pixel feed payloads

**Presenter:** SPDO

Contribution ID: 14

Type: **not specified**

## **Description of corrugated conical horn feed and OMT concepts and how they address SKA requirements**

**Presenter:** TDP



Contribution ID: 15

Type: **not specified**

## **Description of wide band feed concepts and how they address SKA requirements**

**Presenter:** TDP

Contribution ID: 16

Type: **not specified**

## **LNA options and how they address SKA requirements**

**Presenter:** TDP

Contribution ID: 17

Type: **not specified**

## Introduction to single pixel feed payloads

*Thursday, 14 July 2011 09:05 (10 minutes)*

Presenter: P. Dewdney (SPDO) (for N. Roddis SPDO))

**Session Classification:** Single pixel feed payloads concepts

Contribution ID: **18**

Type: **not specified**

## **Description of corrugated conical horn feed and OMT concepts and how they address SKA requirements**

*Thursday, 14 July 2011 09:15 (20 minutes)*

Presenter: B. Imbriale (TDP)

**Session Classification:** Single pixel feed payloads concepts

Contribution ID: 19

Type: **not specified**

## **Description of wide band feed concepts and how they address SKA requirements**

*Thursday, 14 July 2011 09:35 (30 minutes)*

Presenter: B. Imbriale (TDP) (Material included in presentation above)

**Session Classification:** Single pixel feed payloads concepts

Contribution ID: 20

Type: **not specified**

## **LNA options and how they address SKA requirements (Cancelled)**

*Thursday, 14 July 2011 10:05 (15 minutes)*

Presenter: L. Baker (TDP)

**Session Classification:** Single pixel feed payloads concepts

Contribution ID: **21**

Type: **not specified**

## **Dewar and cryogenics concepts (inc. reliability and maintenance)**

Presenter: P. Dewdney (SPDO) (for N. Roddis SPDO))

Contribution ID: 22

Type: **not specified**

## **SPF payload risks and their mitigation**

*Thursday, 14 July 2011 10:40 (25 minutes)*

Presenter: P. Dewdney (SPDO) (for N. Roddis SPDO))

**Session Classification:** Single pixel feed payloads concepts (continued)



Contribution ID: 23

Type: **not specified**

## **Initial SPF payload cost estimates and plans for the next phase (Cancelled)**

*Thursday, 14 July 2011 11:05 (15 minutes)*

Presenter: L. Baker (TDP)

**Session Classification:** Single pixel feed payloads concepts (continued)

Contribution ID: 24

Type: **not specified**

## **Description of the Chinese dish concepts and how they address SKA requirements**

*Friday, 15 July 2011 09:00 (1 hour)*

Presenter: Dr. Biao Du (NAOC)

**Session Classification:** Dish concepts (continued)

Contribution ID: 25

Type: **not specified**

## Chinese dish concepts logistical engineering

*Friday, 15 July 2011 10:00 (15 minutes)*

Presenter: Dr. Biao Du (NAOC)

**Session Classification:** Dish concepts (continued)

Contribution ID: 26

Type: **not specified**

## **Chinese dish concepts: risks and their mitigation**

*Friday, 15 July 2011 10:35 (15 minutes)*

Presenter: Dr. Biao Du (NAOC)

**Session Classification:** Dish concepts (continued)

Contribution ID: 27

Type: **not specified**

## **Chinese dish concepts: cost estimates and plans to proceed to the PEP phase**

*Friday, 15 July 2011 10:50 (30 minutes)*

Presenter: Dr. Biao Du (NAOC)

**Session Classification:** Dish concepts (continued)

Contribution ID: 28

Type: **not specified**

## SPF Receiver requirements

*Thursday, 14 July 2011 11:05 (20 minutes)*

Presenter: M. Bowen (CSIRO)

**Session Classification:** SPF Receiver concepts

Contribution ID: 29

Type: **not specified**

## **Description of PAF concepts and how they address SKA requirements**

*Thursday, 14 July 2011 11:25 (15 minutes)*

Presenter: C. Jackson (CSIRO)

**Session Classification:** Phased Array Feed concepts

Contribution ID: 30

Type: **not specified**

## Description of feed array concepts

*Thursday, 14 July 2011 11:40 (45 minutes)*

Presenter: S. Hay (CSIRO)

**Session Classification:** Phased Array Feed concepts



Contribution ID: 31

Type: **not specified**

## Description of PAF receiver and backend concepts

*Thursday, 14 July 2011 13:30 (45 minutes)*

Presenters: R. Gough (CSIRO) and G. Hampson (CSIRO)

**Session Classification:** Phased Array Feed concepts (continued)

Contribution ID: 32

Type: **not specified**

## **PAF logistical engineering (and risks)**

*Thursday, 14 July 2011 14:15 (15 minutes)*

Presenter: M. Bowen (CSIRO)

**Session Classification:** Phased Array Feed concepts (continued)

Contribution ID: 33

Type: **not specified**

## PAF costs and plans for the next phase

*Thursday, 14 July 2011 14:30 (15 minutes)*

Presenter: C. Jackson (CSIRO)

**Session Classification:** Phased Array Feed concepts (continued)

Contribution ID: 34

Type: **not specified**

## **Description of the thermoplastic axi-symmetric dish concept and how it addresses SKA requirements**

*Thursday, 14 July 2011 14:45 (1 hour)*

Presenter: R. van den Brink (ASTRON)

**Session Classification:** Dish concepts (continued)

Contribution ID: 35

Type: **not specified**

## **Thermoplastic axi-symmetric dish concept logistical engineering**

*Thursday, 14 July 2011 16:00 (15 minutes)*

Presenters: J. Pragt (ASTRON) and R. van den Brink (ASTRON)  
(Material included in presentation above)

**Session Classification:** Dish concepts (continued)

Contribution ID: 36

Type: **not specified**

## **Thermoplastic axi-symmetric dish concept risks and their mitigation**

*Thursday, 14 July 2011 16:15 (15 minutes)*

Presenters: J. Pragt (ASTRON) and R. van den Brink (ASTRON)  
(Material included in presentation above)

**Session Classification:** Dish concepts (continued)

Contribution ID: 37

Type: **not specified**

## **Thermoplastic axi-symmetric dish concept cost estimates and plans to proceed in the PEP phase**

*Thursday, 14 July 2011 16:30 (15 minutes)*

Presenters: J. Pragt (ASTRON) and R. van den Brink (ASTRON)  
(Material included in presentation above)

**Session Classification:** Dish concepts (continued)

Contribution ID: 38

Type: **not specified**

## **Dewar and cryogenics concepts (inc. reliability and maintenance)**

*Thursday, 14 July 2011 10:05 (15 minutes)*

Presenter: P. Dewdney (SPDO) (for N. Roddis SPDO))

**Session Classification:** Single pixel feed payloads concepts