

# ATNF Operations

ATUC November 2020

John Reynolds



- **ATNF Ops Staff changes**
- **Status & COVID-19 update**
- **Highlights**
- **KPIs**
- **ASKAP & ASKAP-X status**
- **Narrabri Lodge open!**

# Vale Graeme Sunderland



Passed away suddenly in August.  
“Sundo” worked for 33 years at ATCA.

Made contributions to many aspects of  
ATCA construction, maintenance.

Unforgettable character & sorely missed.





# Other Staff Changes

## Welcome!

Matt Asefighamari (Elec Engineer, Geraldton) →

Randika Hewage (DevOps, Marsfield)

Minh Vuong (SDP, Marsfield)

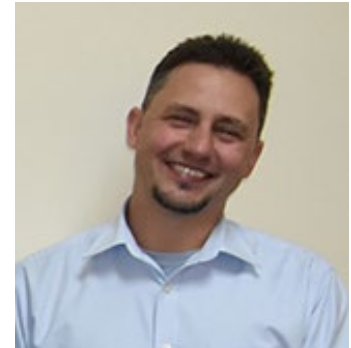
Gordon German (AusSRC s/w, Perth)

Austin Shen (AusSRC s/w, Perth)



## Welcome Back!

Xinyu Wu (s/w team, Marsfield) →



## Farewell and Thanks

Mikey George (Elec Engineer, Narrabri) →

Bernadette McCormack (Geraldton)

Kyasha Palmer (Parkes)

# Current status of facilities

- Parkes, ATCA, ASKAP telescopes continue to operate normally with precautions including social distancing.
- Parkes and ATCA Visitors Centres re-opened on 4 July after ~3-month closure
- CSIRO visitors are again welcome, subject to Covid restrictions including social distancing. Electronic registration or paper declarations required. Check with your ATNF contact.

# Visitors Centres at Parkes, ATCA are open

VCs and Dish Café reopened on 4 July after 3 month closure for COVID. Risk management plan in place

Coming:

ATCA: refurbished signage

Parkes: updated 3-D show



# ATNF Media Releases

Parkes 64-metre added to National Heritage Register →

and takes indigenous name → →



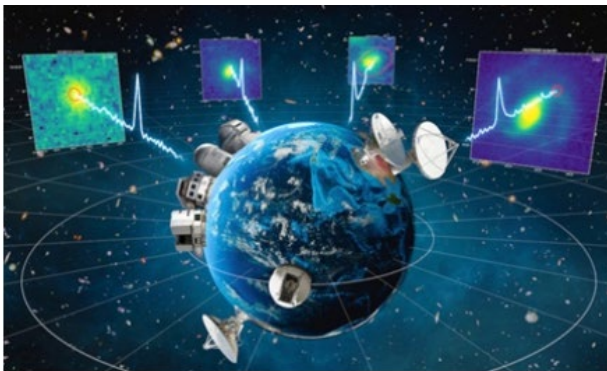
10 Aug 2020

CSIRO Parkes radio telescope added to National Heritage List



09 Nov 2020

CSIRO's iconic Parkes radio telescope given Indigenous name



02 Jun 2020

Zooming in on the origins of fast radio bursts



28 May 2020

Cosmic bursts unveil Universe's missing matter

ASKAP & ATCA  
← ← localise four FRBs  
  
and use FRBs to  
← probe missing matter

# KPIs: Telescope usage

Period: 2019Apr+2019Oct	Parkes	ATCA	ASKAP*
Successful observing time	78.6 %	75.2 %	<b>35%</b> (>30%)
Maintenance time	14.2 %	15.9 %	
Time lost to equipment failure	3.4 %	1.2 %	<b>&lt; 2.6%</b>
Time lost to weather	3.2 %	0.7 %	
Idle time	0.6 %	7.0 %	



**\*ASKAP figures for FY 2019-2020 .**



# ASKAP Timetable

- Aug 2020: Community workshop to plan pilot survey phase II
- Nov 2020: Revised Pilot-II strategy document distributed
- Oct-Nov 2020: New Pawsey ingest commissioned
- **Q1 2021: Pilot surveys phase II commence**
- Feb 2021: RASSP draft terms of reference distributed for comment
- Mar 2021: Call for revised SSP project plans issued, deadline Jun 2021
- May 2021: New Pawsey computer installed
- Jul 2021: RASSP panel meets
- Q4 2021: transition to new Pawsey computer complete
- **Q4 2021: Full surveys commence**



RASSP = Review of ASKAP Survey Science Projects

# ASKAP-X Project & Pawsey

- ASKAP-X project formally closed
  - Backlog items, bug fixes and enhancements now managed under “BAU” model within ASKAP operations (see Aidan’s talk)
  - Larger developments e.g. CRACO to be managed as separate projects
- ASKAP Split-band mode:
  - Deferred until after Pilot-II surveys
  - Determine if it can be done inside a 2 month window, as a “Tiger Team”
- Pawsey Upgrades
  - Ingest node upgrade underway
  - Phase-I of new Pawsey computer available in mid-2021 (~2.5pFLOPs)
  - Phase-2 in 2022 (50 pFLOPs)

# Narrabri Lodge is open

Narrabri Lodge is open again for visitors!

Social distancing in force – limits on numbers.

Qualified observers welcome!

Catered or self-catered options.

Contact: [accommodation@atnf.csiro.au](mailto:accommodation@atnf.csiro.au)



*We acknowledge the Wajarri Yamatji people as the traditional owners of the Murchison Radio-astronomy Observatory site*

**CSIRO Astronomy and Space Science**

John Reynolds

Program Director – ATNF Operations

**t** +61 2 9372 4165

**e** [john.reynolds@csiro.au](mailto:john.reynolds@csiro.au)

**w** [www.atnf.csiro.au](http://www.atnf.csiro.au)

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