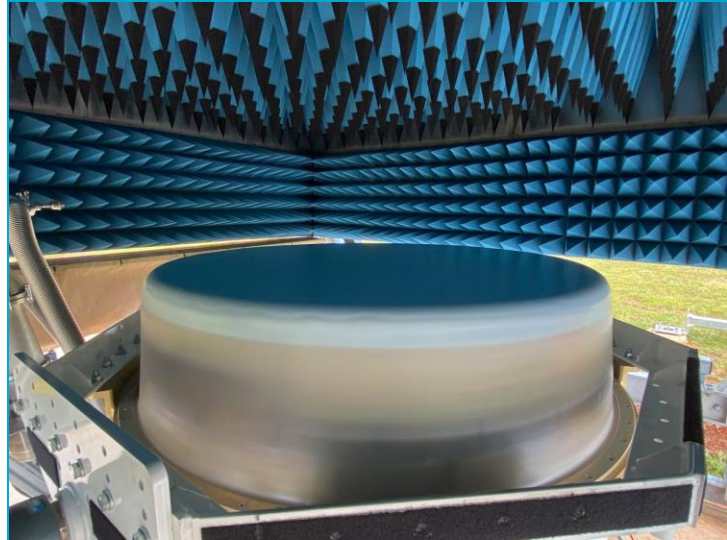




ATUC Update *Murriyang / Parkes*

Stacy Mader | 9th November 2022





Summary of Latest Developments

Staggered release in Observing Schedule

- Two-day shutdown in late November for computing upgrades.
- Aiming for January–April release in mid-November.

Next Semester

- CryoPAF re-installed after Easter.
- VLBI scheduling with CryoPAF installed still under discussion.

Observing

- DFB4 remains offline.
- New web interface for CryoPAF: "Gariwang": Wiradjuri for a cold East wind (Boreas: Ancient Greek personification of the North wind.)
- Parkes User's Guide: Legacy receivers Galileo/SX/[LSCX]-BAND removed.

Reconciliation Action Plan

- Planning VC3D shows to be prefaced by a Welcome to Country video with Wiradjuri Elder(s).



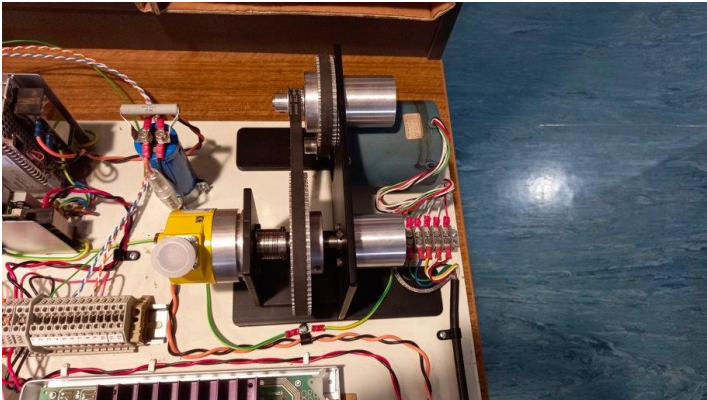
Summary of Latest Developments... cont

New ME controller under development

- Galil DMC-4020 dual-axis.
- Will replace existing PDP11 Falcon 11/21+ and circuitry.

Regional Tourism Activation Fund

- Works commenced last week on an all-inclusive "space" themed playground near the Dish Cafe.
- 2023APRS works may generate RFI; affected projects will be informed.





Murriyang

64m Parkes Radio Telescope

In the Wiradjuri Dreaming, Biyaami (Baiaame) is a prominent creator spirit and is represented in the sky by the stars which also portray the Orion constellation. Murriyang represents the 'Skyworld' where Biyaami lives.



Giyalung Guluman

18m decommissioned antenna

Meaning 'Smart Dish' this antenna had the ability to move along a railway track while observing, and when linked to the main 64-metre antenna became pivotal in early work that determined the size and brightness of radio sources in the sky. The antenna was originally assembled at the CSIRO Fleurs Radio Telescope site, Penrith NSW in 1960, was transported to Parkes in 1963 and became operational in 1965.



Giyalung Miil

12m ASKAP testing antenna

Meaning 'Smart Eye' this telescope was commissioned in 2008 as a testbed for a special new type of receiver technology (phased array feed, PAF) used on CSIRO's Australian Square Kilometre Array Pathfinder (ASKAP) antennas. The PAF is able see different parts of the sky simultaneously making it a 'smart eye'.



We acknowledge the Wiradjuri as the Traditional Owners of the land Murriyang is built.

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