



Hartebeesthoek
8000 km

ASKAP

Yarragadee

Katherine

Ceduna

ATCA

Mopra

Parkes

Tidbinbilla

Hobart

Warkw

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

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Farewell to CUPPA

- Curtin University Parallel Processor for Astronomy
 - Curtin VLBI Correlator Facility
 - Primary VLBI correlator for Australian astronomy and geodesy since 2008
 - Processed 6 PB of data
 - 120 days = 2 PB in last year
 - Legacy 10 TB permanent data archive
 - More than 50 publications
 - ~ \$1.5 m in external funding
 - Contributed numerous CPU cycles to other CIRA projects



LBA Correlator Facility

Operations back at CSIRO

- **Future plans**

- Pawsey Centre for SKA Supercomputing

- Now operational in WA
- 300,000 CPU hours secured through merit allocation
- slurm control

- Bowen Cluster (CSIRO)

- standard Dell 100-node cluster
- slurm control

- e-transfer only!

- Espresso now has Slurm (generic batch) support



```
#!/bin/bash -l
#SBATCH --job-name={JOBNAME}
#####SBATCH --ntasks=20
#####SBATCH --ntasks-per-node=1
#SBATCH --nodes=20
#SBATCH --cpus-per-task=16
#SBATCH --time=00:03:00

export OMP_NUM_THREADS=16

aprun -B $DIFXROOT/bin/mpifxcorr {JOBNAME}.input
```