

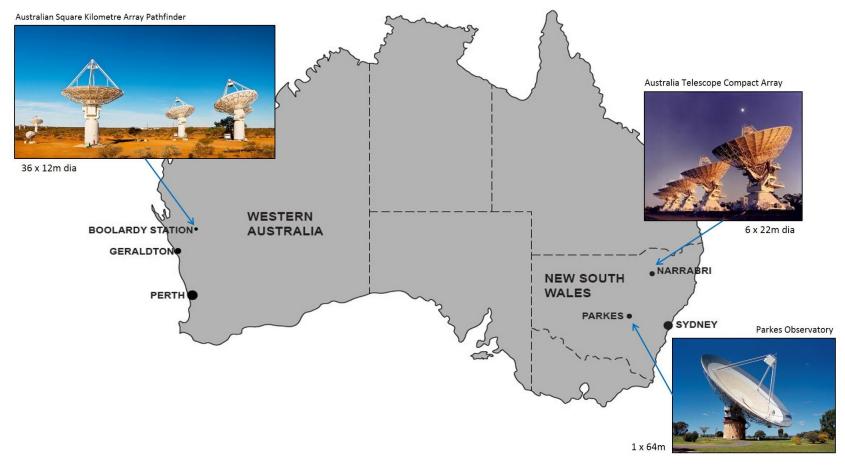
#### Timing Systems for ATNF Telescopes

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WEM301



### Australia Telescope National Facility sites:





# ICALEPCS 2015

International Conference on Accelerator & Large Experimental Physics Control Systems

## Application of timing and synchronisation:

- Timestamp observation data:
  - In digitised streams from each antenna
  - In correlated data written to disk
- Antenna pointing
- Common timing cycles:
  - Integration cycle
  - Calibration cycle
- Lock phase of local oscillators to a common reference



### **Basic architecture:**

