







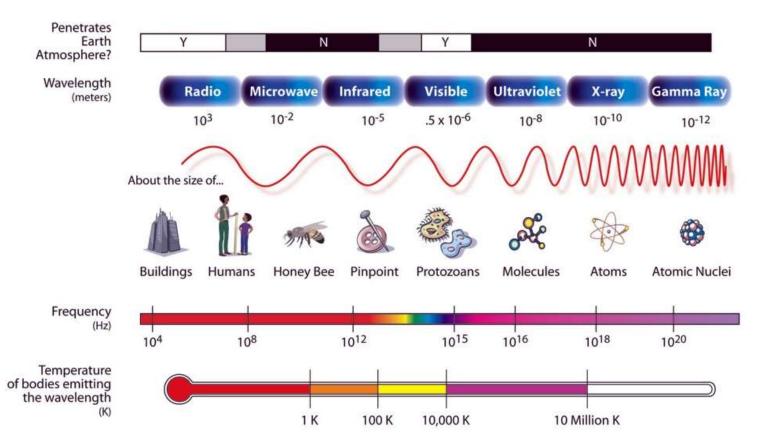
## Earth and Moon in the Sun's reflected light

View from Mercury (MESSENGER) 61 million miles away

#### **Dust obscures light**



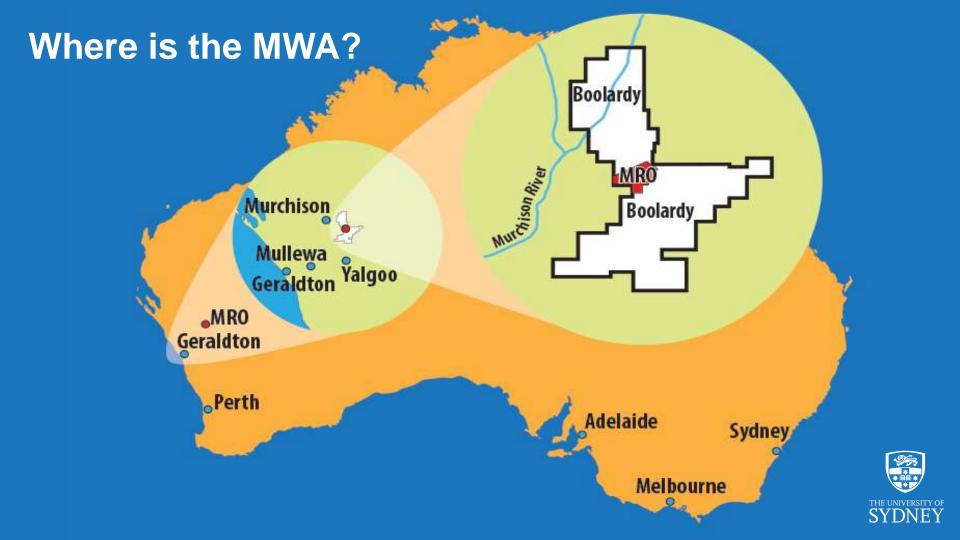
#### Electromagnetic Spectrum











# RADIO QUIET ZONE

You are now entering the Murchison Radio-Astronomy Observatory



Please switch off and do not use your mobile and satellite phones or CB radio while inside the Observatory.

Please only use these devices in case of Emergency.

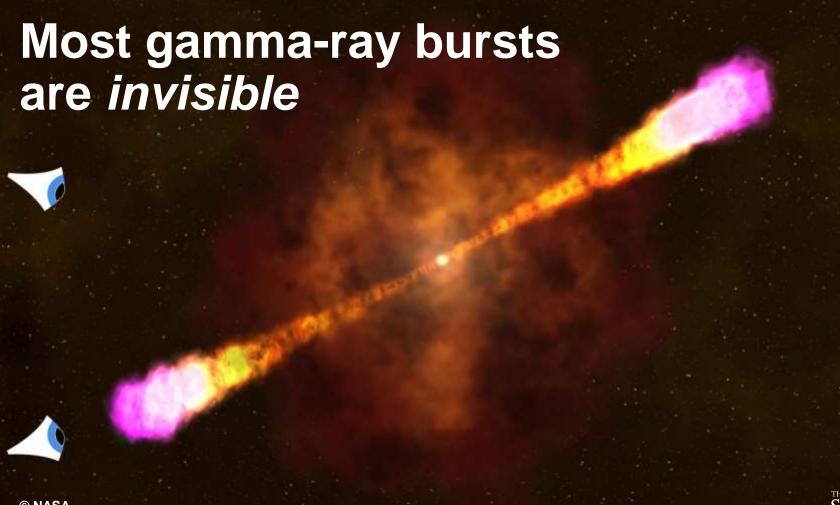
Your co-operation is appreciated



### We are conducting vast surveys of the radio sky







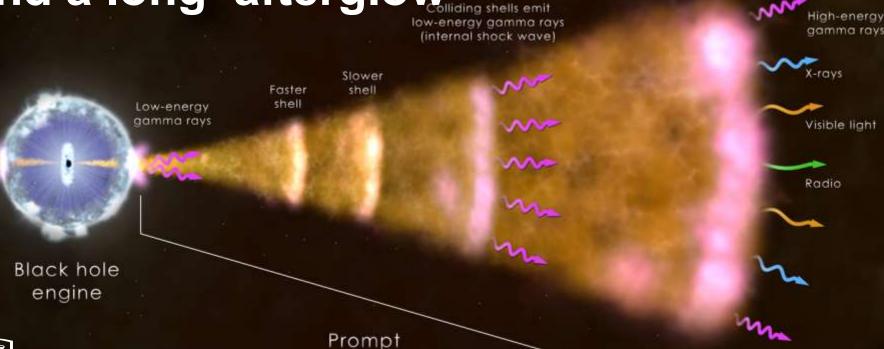


#### **GRBs** have narrow jets and a long 'afterglow'

**SYDNEY** 

low-energy gamma rays

Jet collides with ambient medium (external shock wave)



emission

Afterglow

## We might be able to detect emission from Gravitational Wave events



### (Radio) light reveals the hidden Universe

Want to learn about modern astronomy techniques? http://www.coursera.org/learn/data-driven-astronomy

