



w theodora.com/man

10 m 100 m 1 km

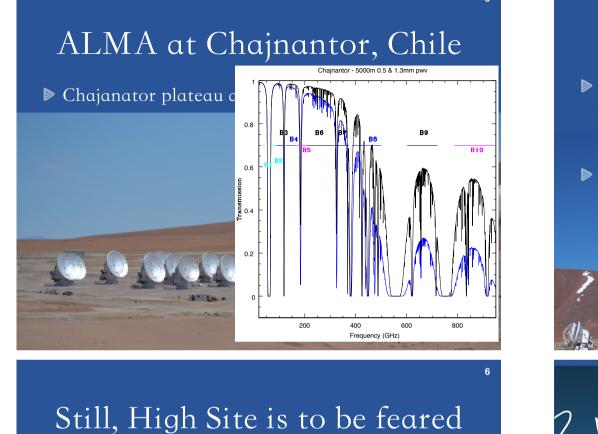
Radio Waves observable

from Earth.

Long-wavelengt

Radio Waves

blocked





Atacama Large Millimeter Array

- International partnership
 - Europe (ESO), North America (NRAO), East Asia (Japan, Taiwan, South Korea), and Chile
 - Cost US \$1.4 billion
- ALMA (66 antennas to be) operating since 2011
 - ▶ 12-m: 50 x 12m
 - ▶ ACA: 12 x 7m + 4 x 12m
 - ▶ 10 receiver bands
 - (30 950 GHz)





How big is a 12-meter?



Even a Song for ALMA~



UCAT Campus Visits



Course Plan

- ▶ Day 1: What is ALMA? Linux?
- ▶ Day 2: What are antennas?
- Day 3: What are arrays? What is CASA?
- Day 4: ALMA data, what next?

CASI

Let's Start the Fun!

More Questions? Ask Sarah! 陳彥華

