ATCA Training Current status and possibilities for the future



Vanessa Moss

CSIRO Space & Astronomy

ATCA IS LOCATED ON THE LAND OF THE GOMEROI PEOPLE. WE ACKNOWLEDGE THE GOMEROI PEOPLE AS TRADITIONAL OWNERS OF THE OBSERVATORY SITE.



A brief history*

- **1990s to 2010s:** observers, duty astronomers and site staff in situ at Narrabri, trained on site upon arrival and via radio schools
- **2010-2015:** rise of remote observing, less observers/DAs on site, significant budget cuts



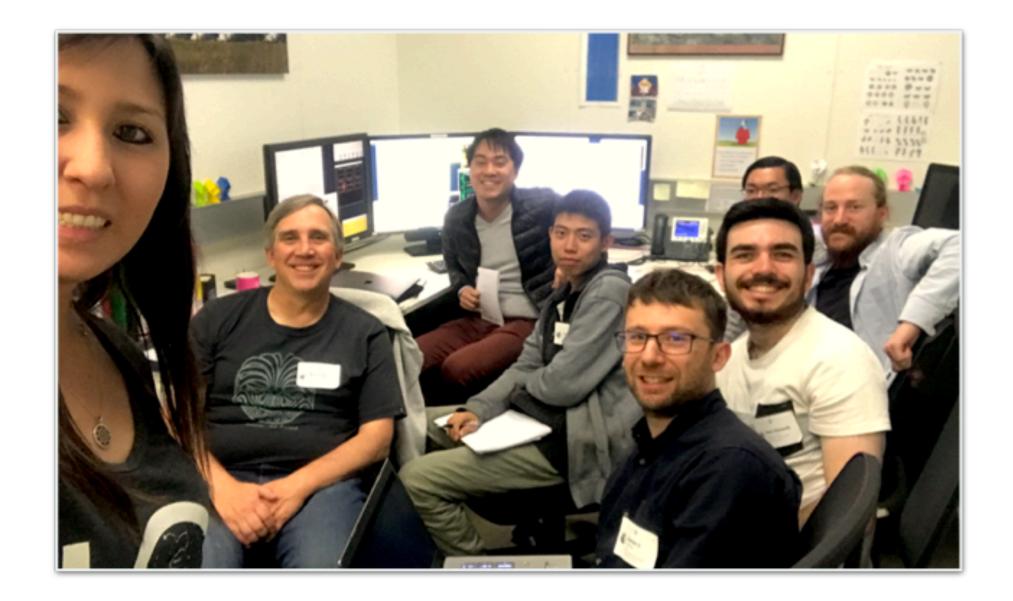


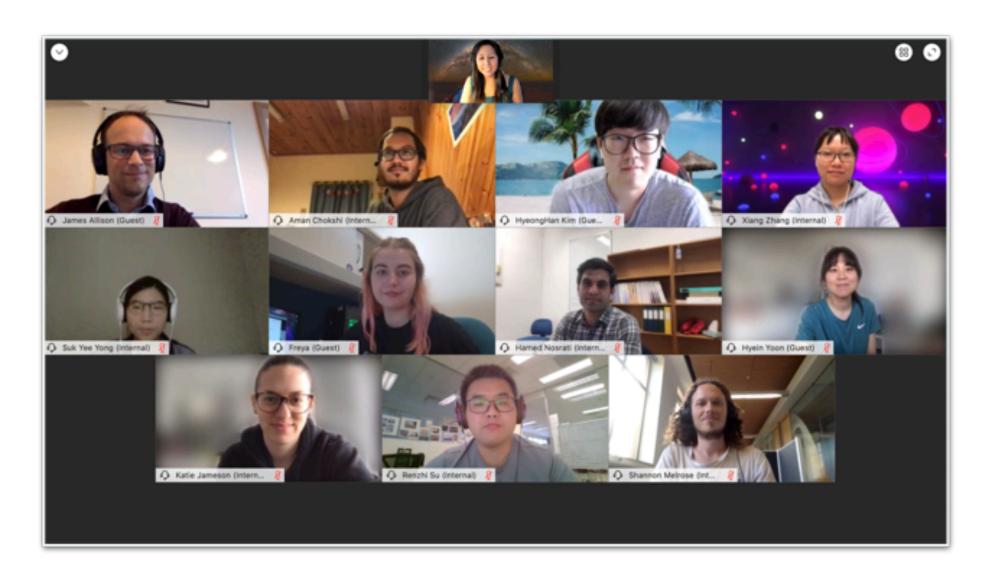


A brief history*

- **1990s to 2010s:** observers, duty astronomers and site staff in situ at Narrabri, trained on site upon arrival and via radio schools
- **2010-2015:** rise of remote observing, less observers/DAs on site, significant budget cuts
- **2015-2020:** shift to majority remote observing, legacy teams, focus on Marsfield for new DAs and observers, rise of Kensington, examples of group training, consideration of sustainability
- **2020-now**: impact of pandemic, shift to remote training (including observers), evolution of NF model, rise of automation, shift in community?

ATUC Open Session (V. Moss)





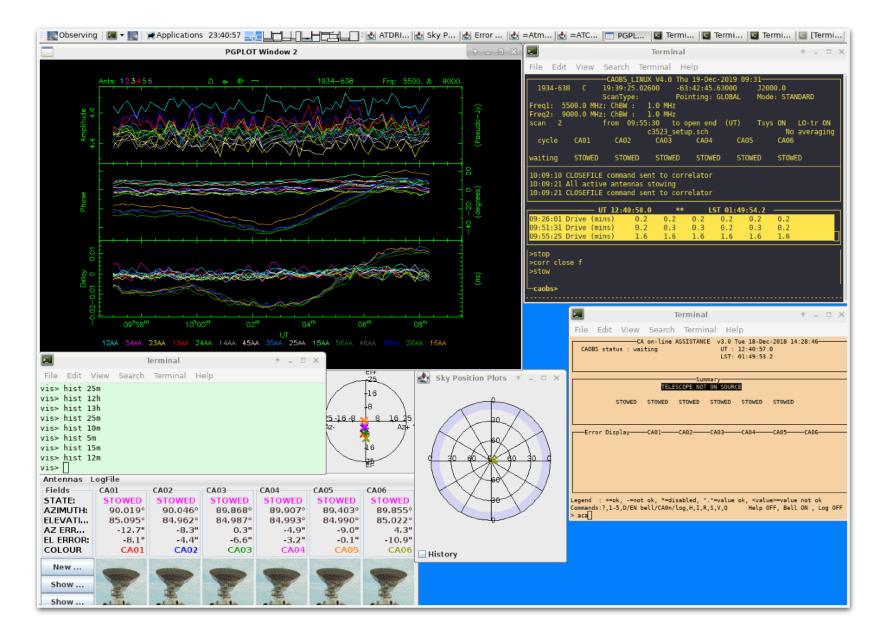
MARSFIELD, 2019 AND WEBEX, 2020



Overview of current training

- Pandemic: a **trigger** to step back from standard practice and reassess what might work best
- Official DA duty is to train **new observers**, but this has not often been true in practice
- **Group online trainings** carried out regularly since late 2020: 13 x 2 hr training sessions, 138 registered attendees across various time zones
- Started in WebEx, shifted to using **ATNF Gather** (most recently, the ATCA space)
- Training focuses on introduction to observing and interactive live demonstrations of setup

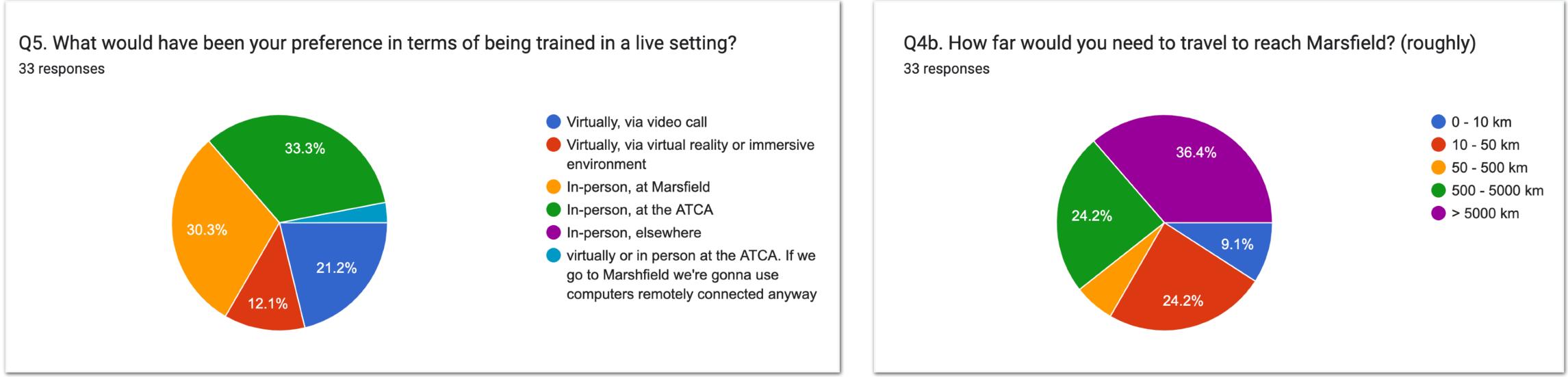
ATUC Open Session (V. Moss)

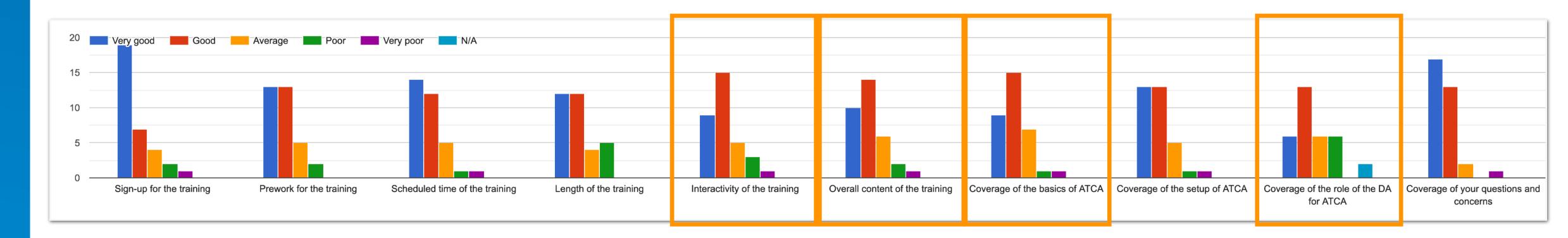




ATCA VNC, GATHER SCREENSHOT

Insights from training feedback





ATUC Open Session (V. Moss)

INSIGHTS FROM ATCA ONLINE TRAINING RESPONSES

Insights from the DA handovers



ATUC Open Session (V. Moss)

What assistance did you need to provide?

INSIGHTS FROM ATCA DA HANDOVER RESPONSES

40

-38 (34.2%)

<u>41 (36.9%)</u>

60

-65 (58.6%)

80

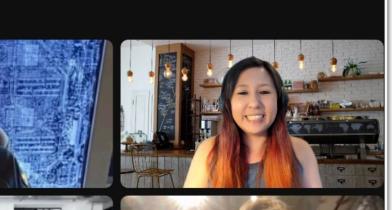


The future of training?





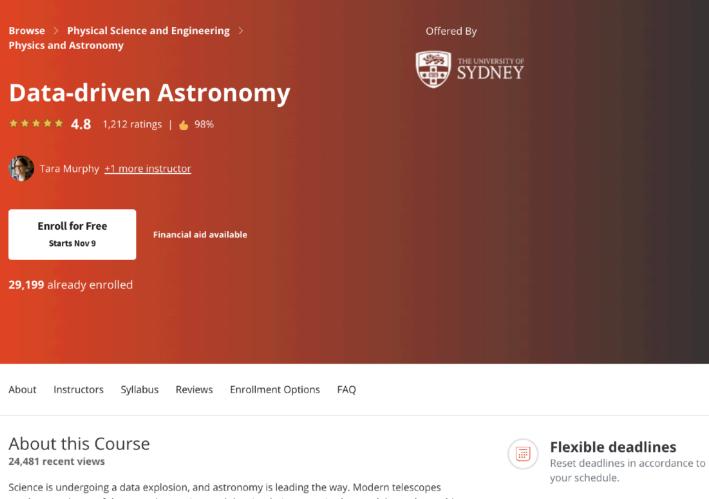
ATUC Open Session (V. Moss)



Aravind



 \equiv



coursera

produce terabytes of data per observation, and the simulations required to model our observable Universe push supercomputers to their limits. To analyse this data scientists need to be able to nally to solve problems. In this course you will investigate the challenges of

datasets: how to implement algorithms that work; how to use databases to

ILL GAIN





IMAGE CREDIT: UQ BBC/GATHER/ATNF/USYD/GLUE/SAURON



completion

100% online