



Remote Observer Training With Parkes/Murriyang

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Remote Training

The training of remote observers has evolved since 2012. Initially, all observing was to be done at the SOC, with training undertaken face-to-face with experienced local staff.

Today, training is performed remotely via webex – 2 hours, during business hours.

We don't train observers to do specific observations – pulsars, spectral line, VLBI, BL, etc.

Rather, the training concentrates on familiarizing the observers with the various tools and protocols of remote observing, that is:-

- How to get S&A accounts
- How to use the PORTAL, FROG, DHAGU?
- How to schedule observing runs etc.
- Where to find information
- Responsibilities of the observer



Issues with Remote Training

Difficult to train observers to do their specific observations:-

- Lack of telescope time to do the training (can't take time off current observers)
- The observer's time might be at inconvenient times, say, 3:00 AM (AEST)
- Training multiple observers with different requirements and observing software (pulsars, spectral line, VLBI, BL)
- Difficult to give full attention if there are many observers to be trained.



Training via Webex – 22 August 2022

Webex interface showing participants: John Sarkissian (Inter...), Mengyao (Guest), Xinhui Ren (Guest), Dai Jianpeng (G...), and Jiayi Liang (Guest).

Browser tabs: Parkes Observing PORTAL, FROG. URL: <https://parkes-ops.atnf.csiro.au/FROG/index.jsp>

Time: DOY/UTC: 234/02:11:51, AEST: 12:11:51, LMST: 10:06:25, MJD: 59813

Navigation: Synoptic, TPS, Alarm Status, Help, Logout John

DISH UNDER MCP CONTROL

MCP: MANUAL SERVO: IDLE

13:41:41.91 J2000 -44:06:07.1
Time to set: 08:49:01

AZ	ZE	EL	SECT
336.869	16.443	73.557	N

On-focus	Platform1	Platform2
UWL	UWL	MARS
Translator: TRACK	Y1 (mm) 268.4 R1 (deg) 86.25 Z (mm) 228	Y2 (mm) 0 R2 (deg) 90

On-focus receiver pointing solution.

ERA	EDec	SA0	SZ0	SZ1	MZ1	CH	SZ2	SZ0'	SZ1'
10.61	-2.7	0.6	-157.3	-0.299	0	0	0	113	-2.6

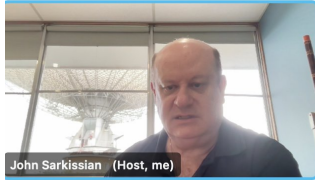
Connected to MoniCA long-polling, 177 points. [Test audio](#)

Wind Average/Peak History

Demanded 64m position separation:
Sun: 74.73° Moon: 125.75°



Training via Webex – 22 August 2022



guo116

cijie zhang

Dai Jianpeng

FangZiyao

Harvey

Jiayi Liang

Jinhuang Cao

li322

libiaopeng

liu235

qing dong

QiuyangFu

Tian jie

Xinhui Ren

Xu,xin

zhangzhen

Zhu Xu

张钧硕

19 observers trained at once!



Project Experts

Reliance on Project Experts to train new observers on the specifics of their project.

The Project Expert can be the PI or another team member who is sufficiently experienced and knowledgeable to be useful.

BUT what if the Project Expert is a novice observer, too?

Clearly, this is inadequate.

Will be instituting a new training regime to specifically train project experts.

(**Jo Dawson**, Vanessa Moss, Jamie Stevens, Stacy Mader, Me)

Details will be released in the near future.

Stay tuned.



Thank you

Space & Astronomy

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<https://www.parkes.atnf.csiro.au/people/sar049/>

