

**REM**

RAPID EYE MOUNT

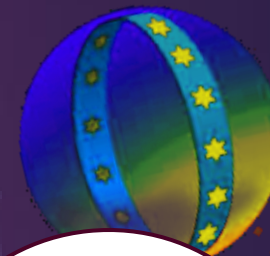


**INAF**  
ISTITUTO NAZIONALE  
DI ASTROFISICA

**NOTRE DOME DE LA SILLA**

**REM - INAF**

*decades playing with OPTICON/ORP*



TDF - CRETE (REM-OTE...) 04.OCT.2024

# Just one picture, well two

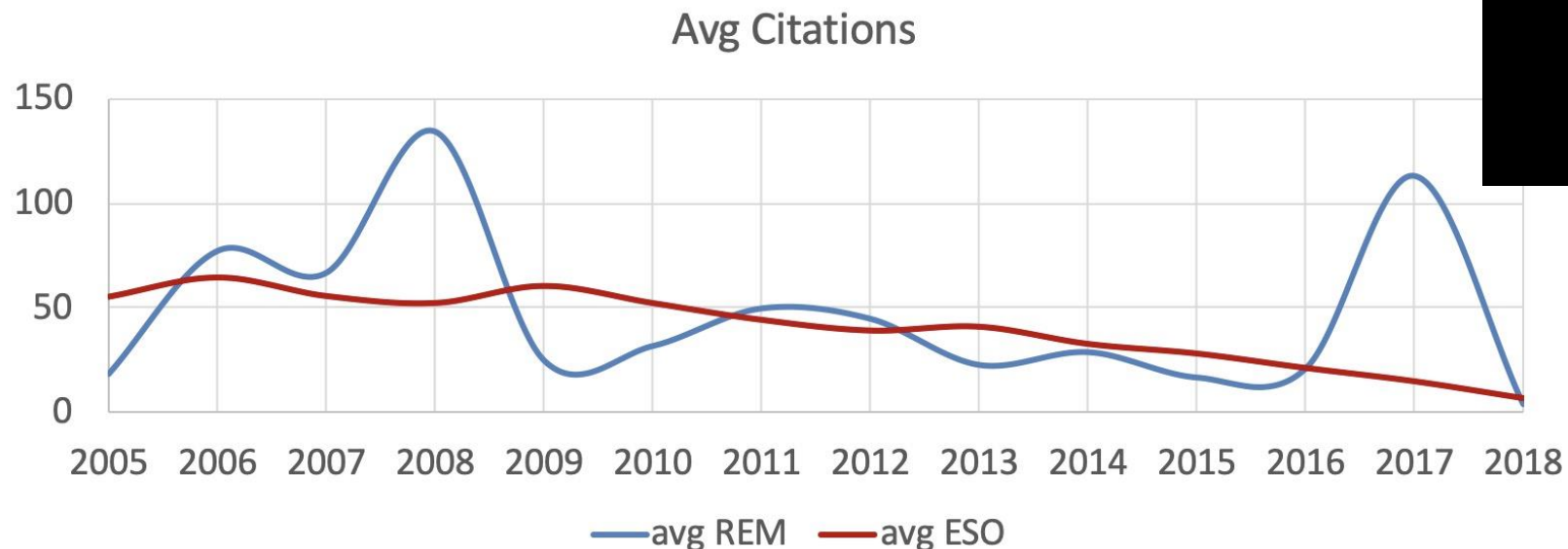
- ▶ 4\*VIS+1\*NIR, dichroics
- ▶ 9'x9' FoV
- ▶ IR dither, no autoguide
- ▶ 20 years operating in La Silla, +3M-imgs so far



La Silla, ESO, Chile *since 2003*

# we can do **TDA** very well

- ▶ super **cited** papers with REM data
- ▶ the one and only ***Knova***



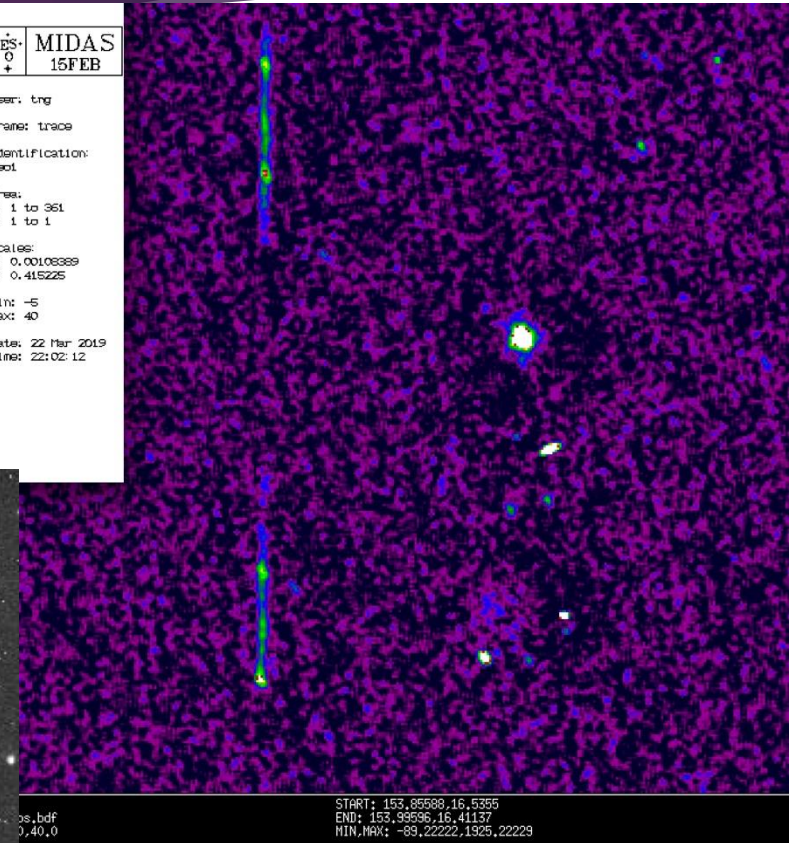
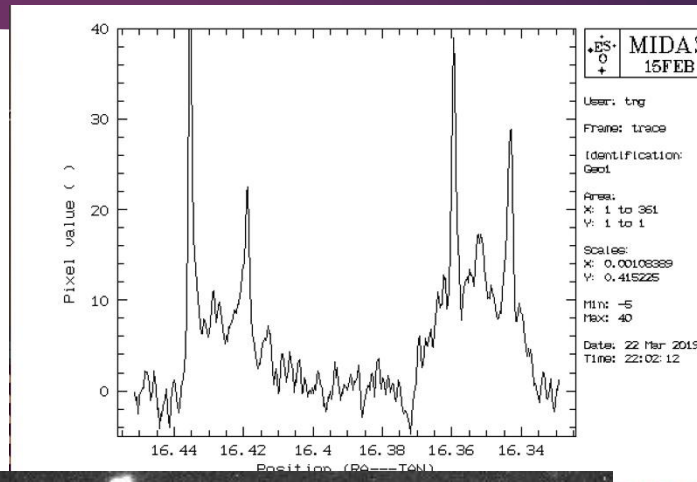
AT2017gfo (GW170817 counterpart)





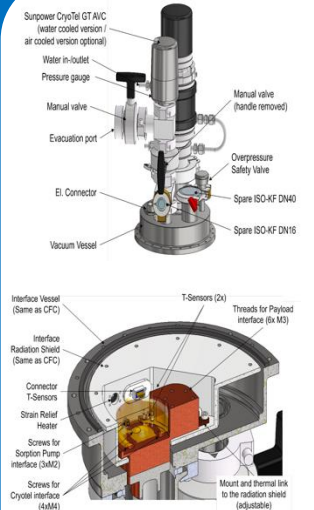
# we can point **WHEN** you need

- ▶ we are **SSA ready**, users can send an e-mail and prebook the observation with high priority at the **given time**
- ▶ integrated with **BHTOM**
- ▶ 27-Sep 2024\_OM1  
NEO(**ORP**)

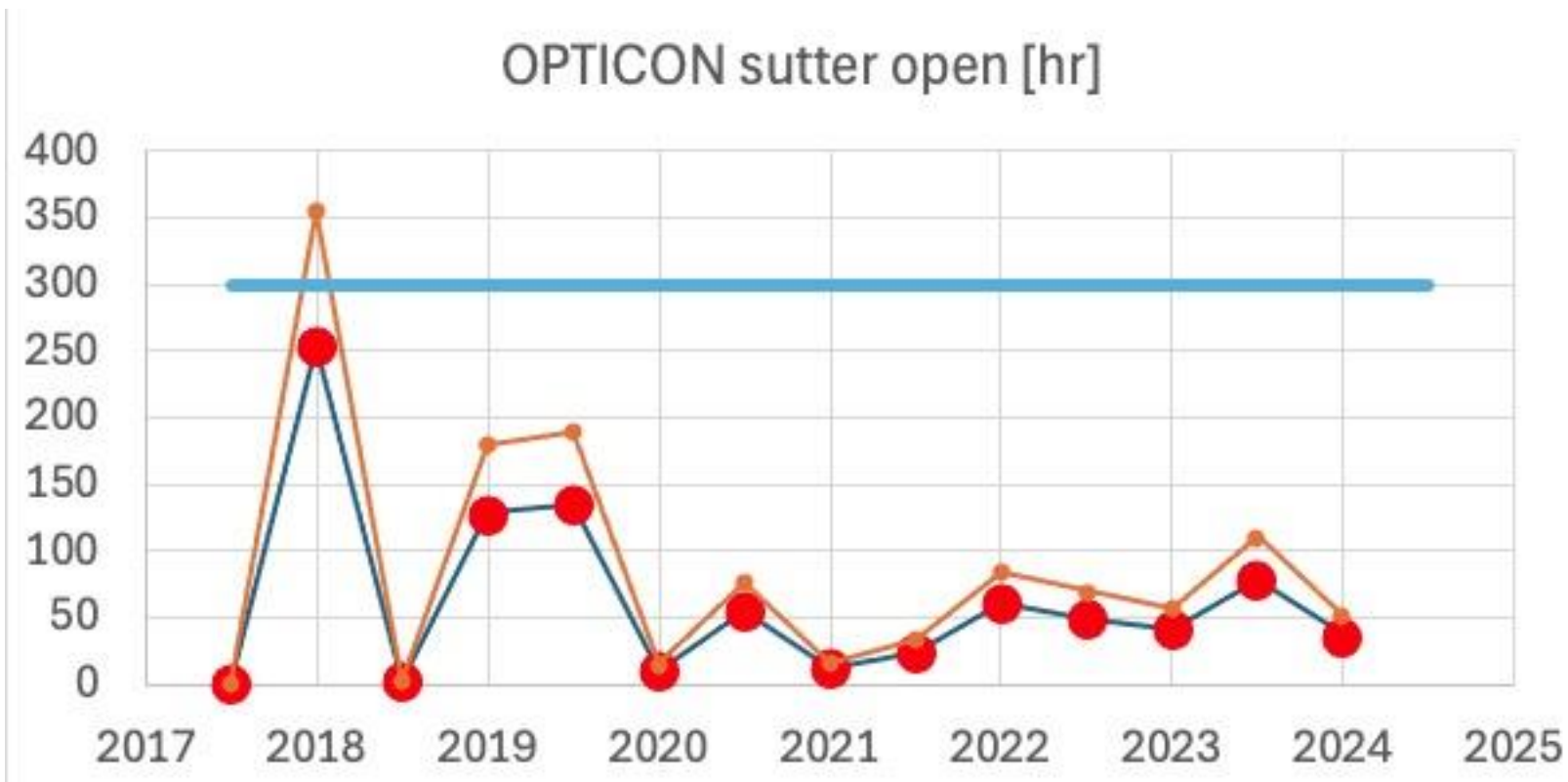


# we collaborate for R&D (*el Cryo*)

- ▶ a recent collaboration with ESO to put in **production** a new **cryocooler** which will substitute all (small) ones in La Silla instrument. It is working perfectly since May 2024 and closed loop on detector since September 2024.



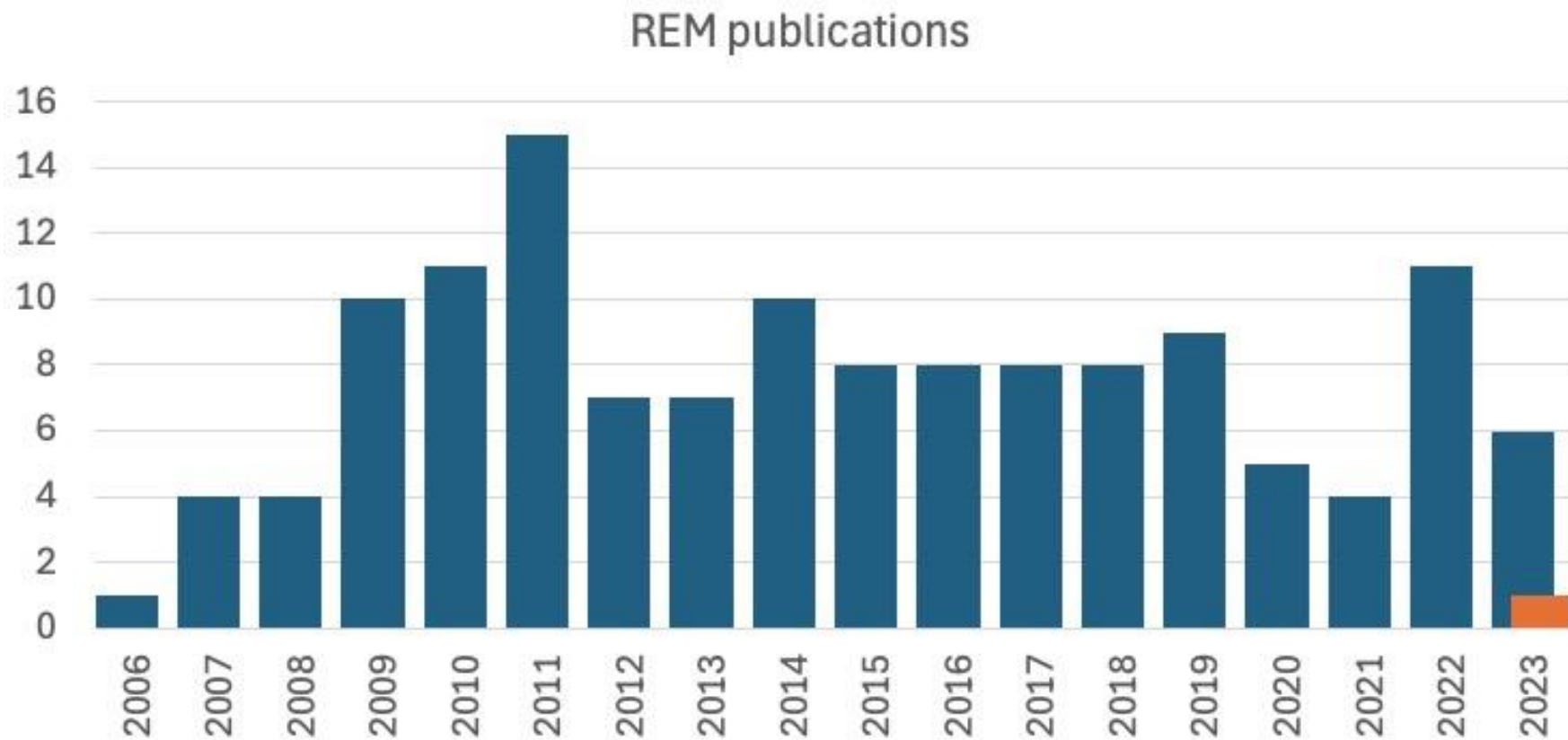
# Happy to serve **EU**, but few users



but a good number of proposal recently :- )

And one MF to look at Venus.

# And small production !



after ORP

► so, will REM be **available** for a non funded call?

yes







how is that?

- ▶ REM funds are **NOT** guaranteed, every year we ask for some.
- ▶ But until now there are no sign of underfunding this small ( $\sim 100\text{k}/\text{yr}$ ) observatory.
- ▶ We are **open-sky**, and we love the **Union**.

## archive **and** pipeline

- ▶ we **always** had a public archive (see [www.rem.imaf.it](http://www.rem.imaf.it)) where frames are stored just after observations.
- ▶ we finally have a small grant to prepare a data reduction **pipeline**, we understand that REM data are not easy crunching...

## future change in REM offer?

- ▶ **NO, but** we are planning to refurbish the TCS and we can hope to make a new visible camera. And we are looking for a spare Hawaiil (1024x1024) spare chip.  
*Given the money...*
- ▶ Big risk: the **d'REM TEAM** is ageing... !

# the **future** allied telescopes

- ▶ the scenario Gerry depicted gives less hopes to believe in an **infinite OPTICON**-like funding scheme
- ▶ can we together lobby for an **identity** of astronomy in the EU ?
- ▶ if so, **we are IN**
- ▶ Feb25 meeting? ok, we are **ready**, we are **IR**, we are training **CNN**

*... all these years ...*

► thanks **A LOT** for being together !

