



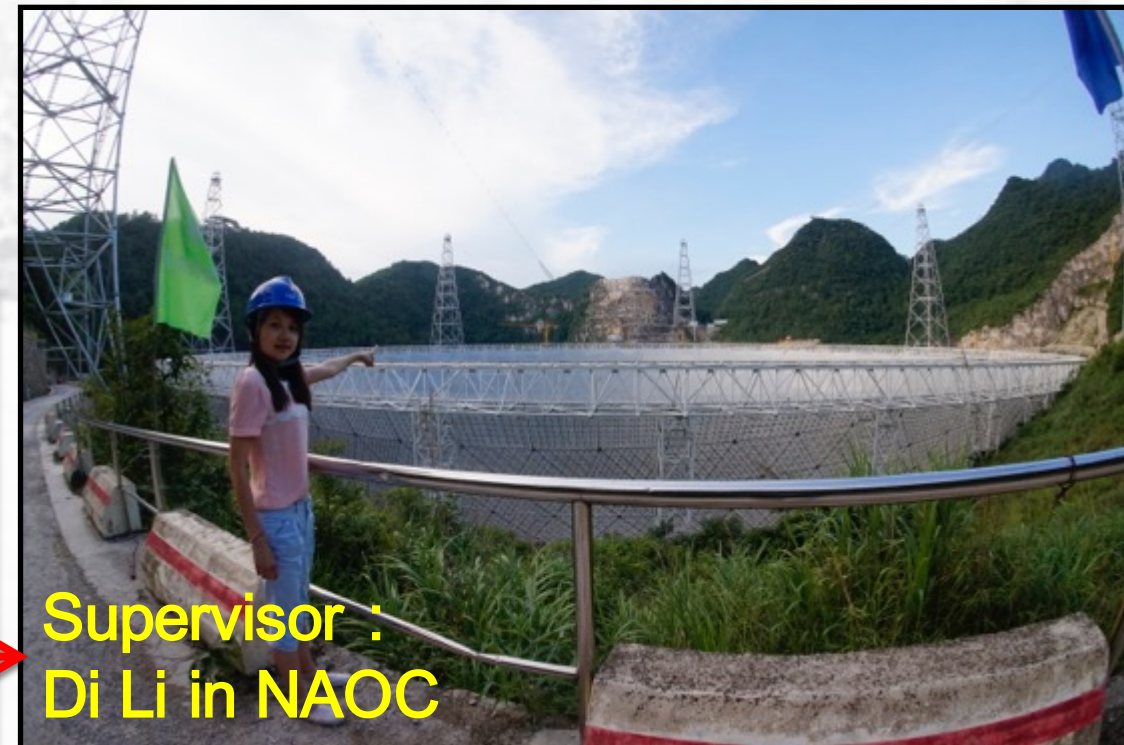
# A Virtual Tour of the FAST Site

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10 May 2018

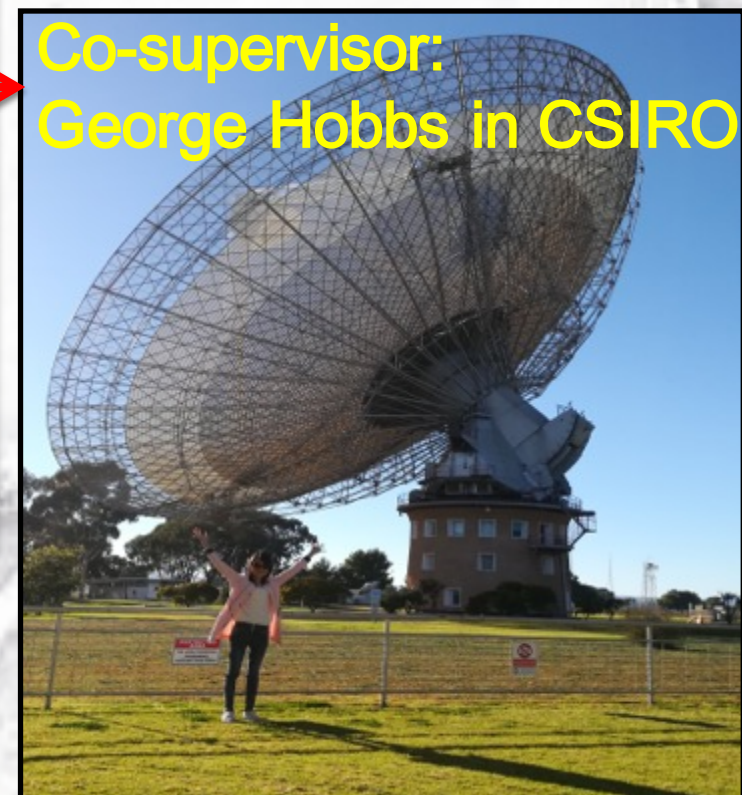


# Introduction

2016-2018: PhD candidate of NAOC,  
FAST pulsar group



Supervisor :  
Di Li in NAOC



Co-supervisor:  
George Hobbs in CSIRO

2018-2020: Joint PhD candidate of  
NAOC-CSIRO, Parkes pulsar group



# Five-hundred-meter Aperture Spherical radio Telescope (FAST)

Prof. R.D,Nan (NAOC) proposed  
the project in 2007.

Construction between 2011-2016  
Total cost: ¥ ~1.15 Billion



(Feb, 1945~Sep, 2017)



2011



2014



2016



**How many people here already  
want to go to the FAST site?**





# How to go to the FAST site?

## MAP OF THE WORLD

### Normal Path:

1. Sydney to Beijing (plane: 11.5hrs)
2. Beijing to Guiyang (plane: 3hrs or high speed train: 8hrs)
3. Guiyang to FAST site (shuttle bus: 2.5hrs every Mon and Fri morning)





# Outline: FAST Site Travel Guide

Station1: FAST Observation House



Station2: FAST Telescope



Station3: Astronomy Town





# Station1: FAST Observation House





# 1. Control Room





## 2. Office



← Staff Office

Visitor Office →





# 3. Canteen





**Breakfast 8:00-8:30**

**Only 20 RMB/day !!!**

**Lunch 11:40-12:10**

**Dinner 17:40-18:10**





# Special Meals

- Every Monday Dinner
- Some Holidays
- Someone be on TV





# 4. Gym: A





# 4. Gym: B





# 5. Accommodation



**Staff Room**



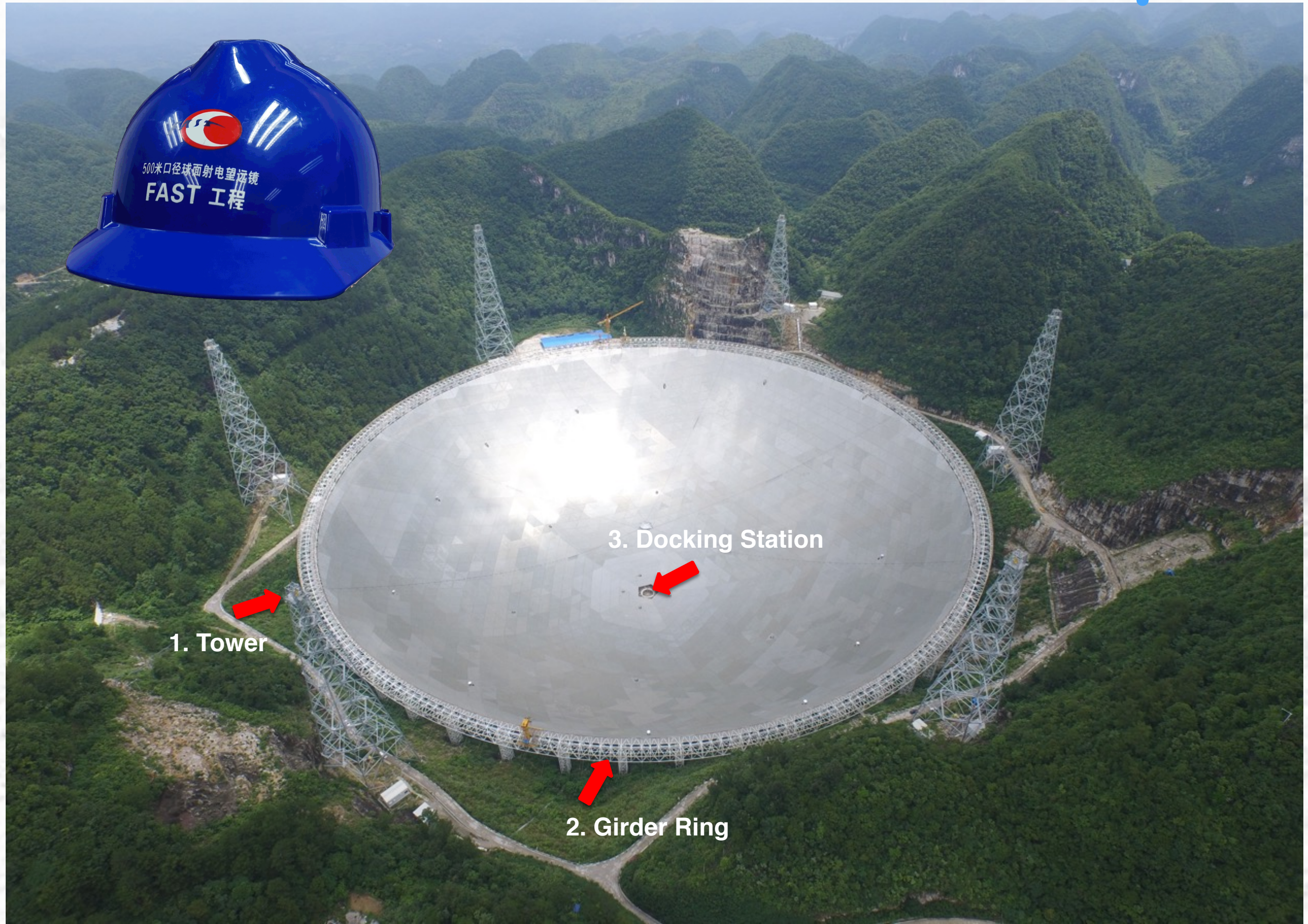
**Guest Room**



**VIP Room**



# Station2: FAST Telescope



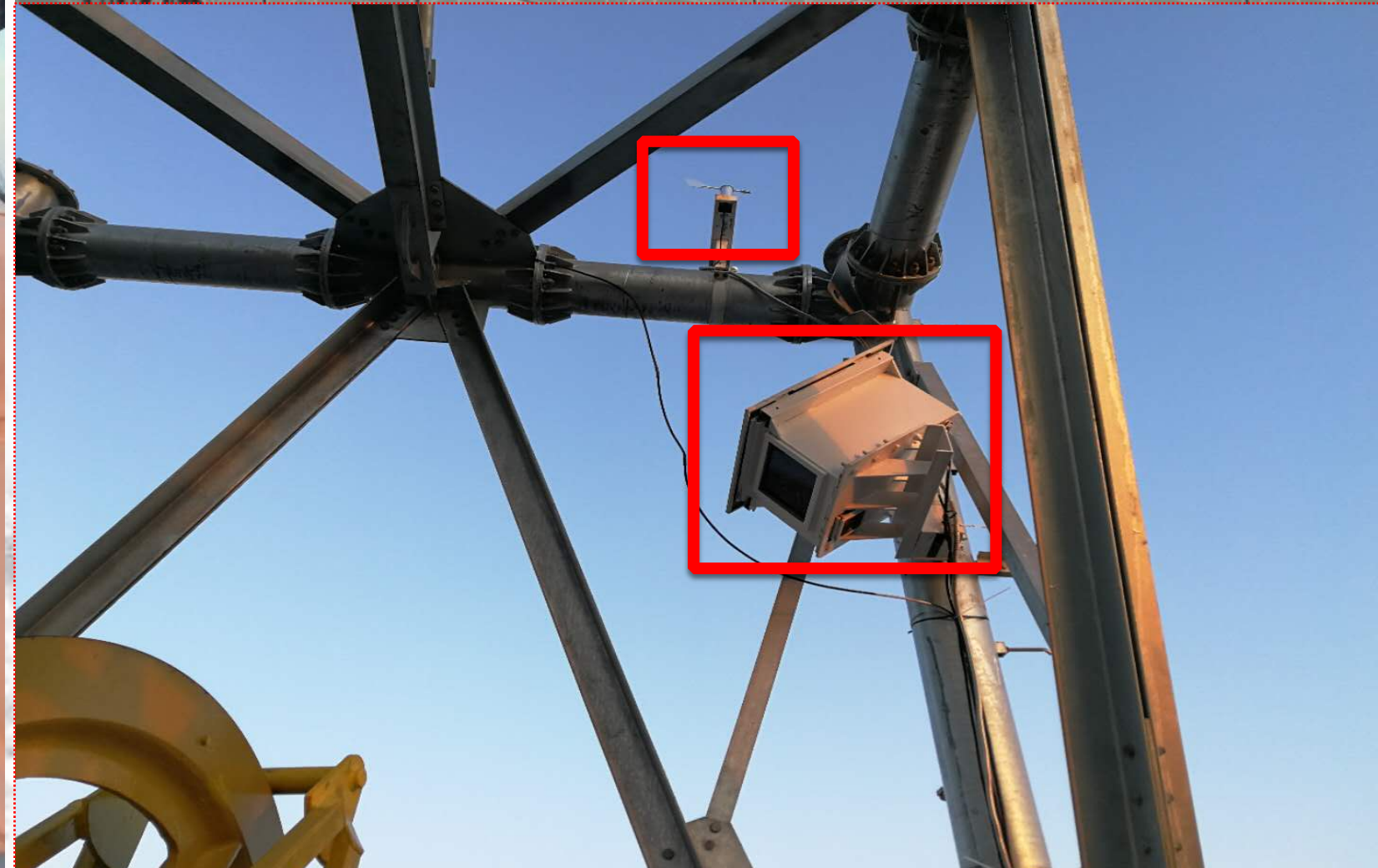
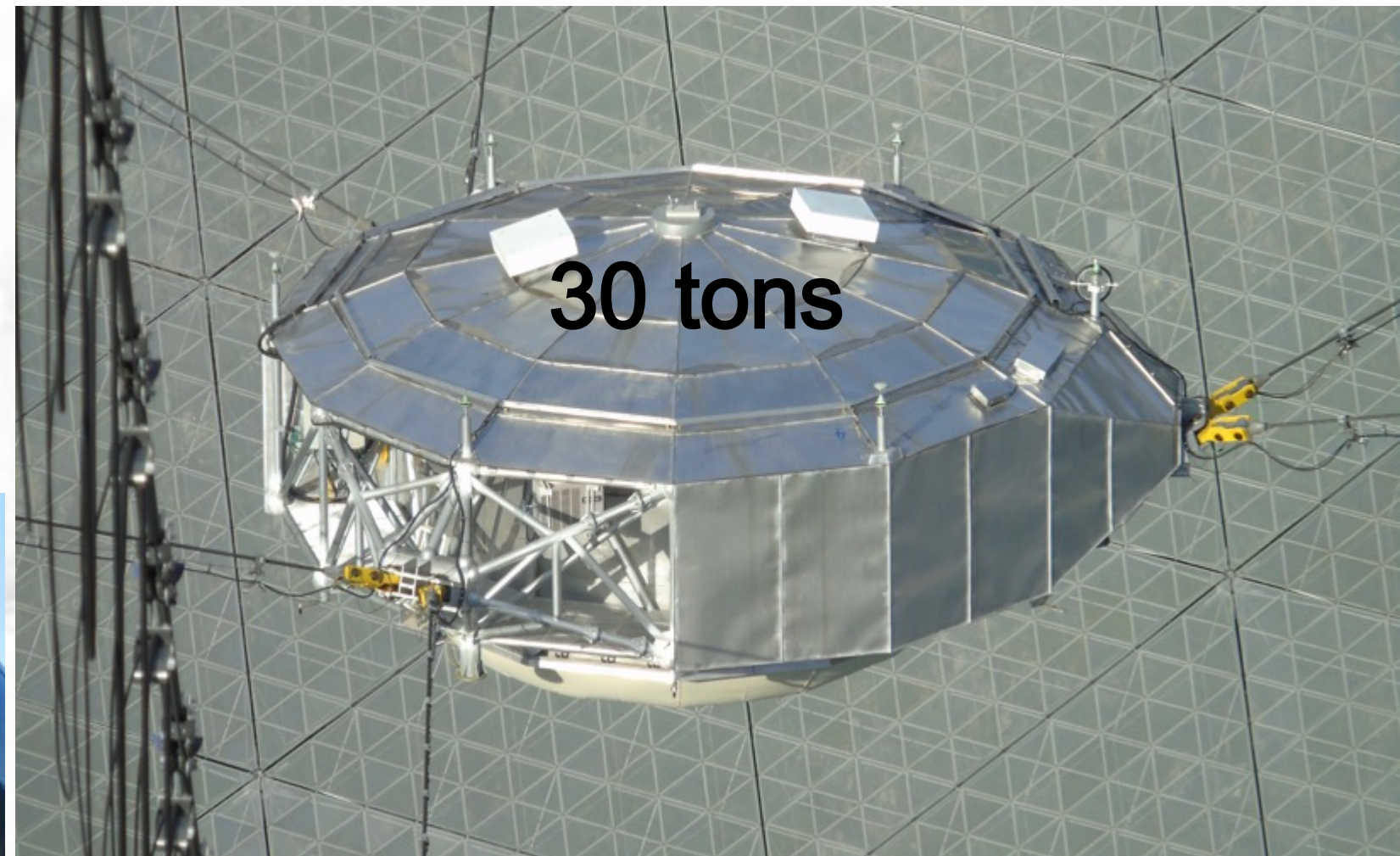


# 1. Tower



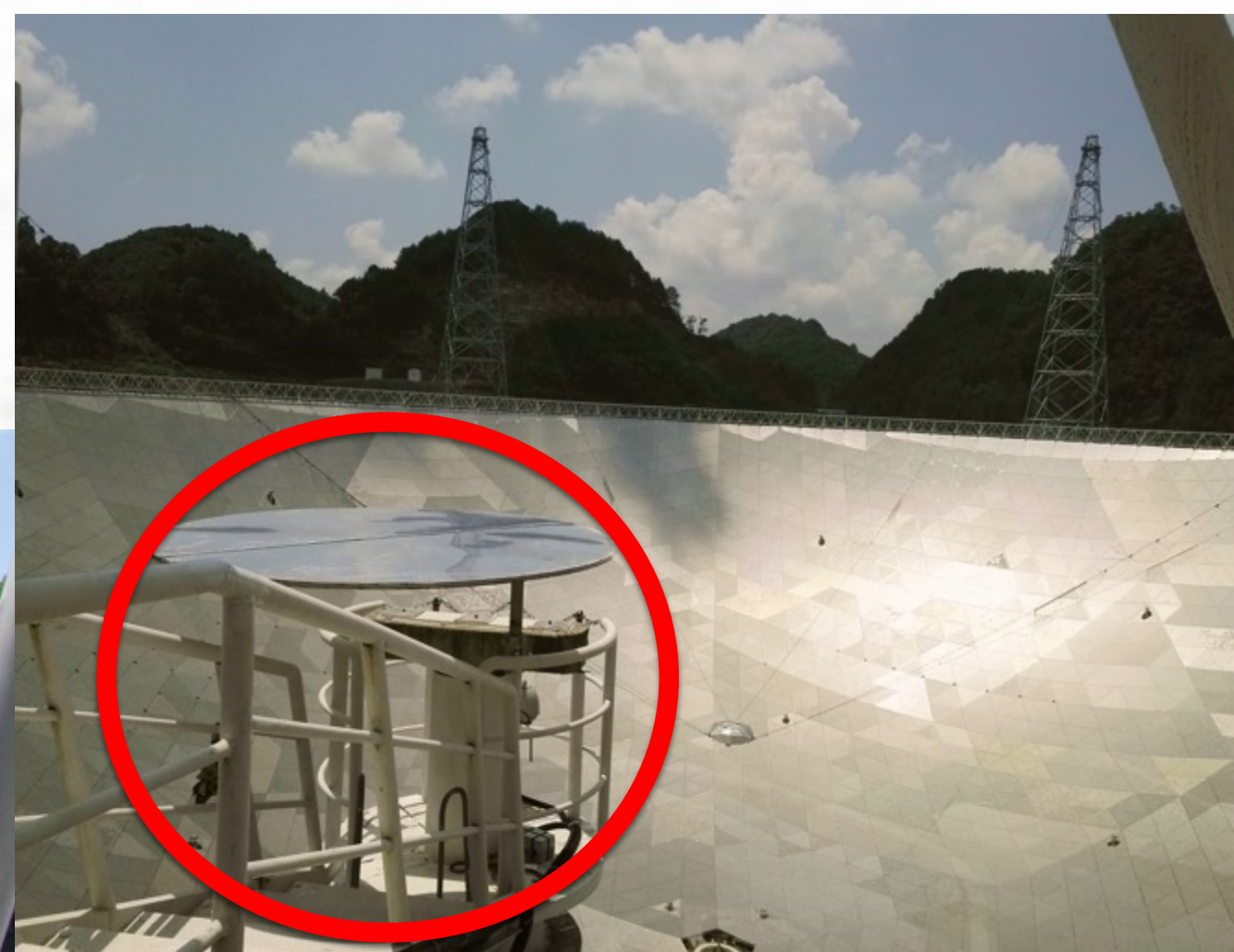


# View in the top of tower





## 2. Girder Ring





# 3. Docking Station



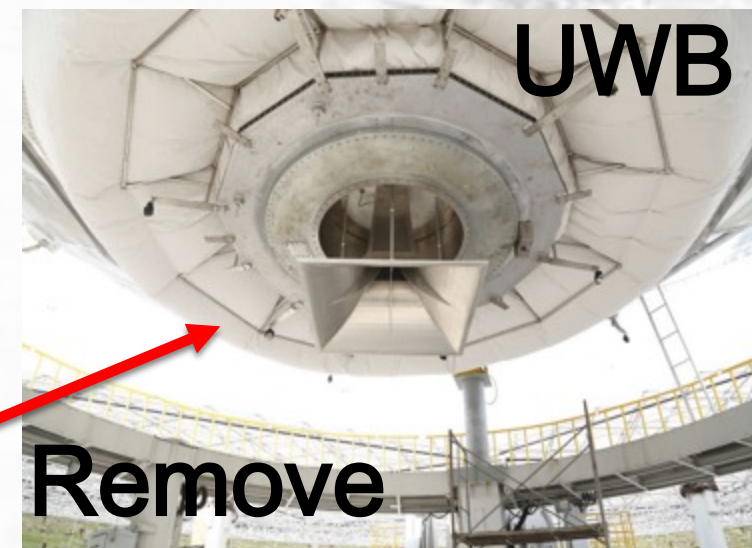
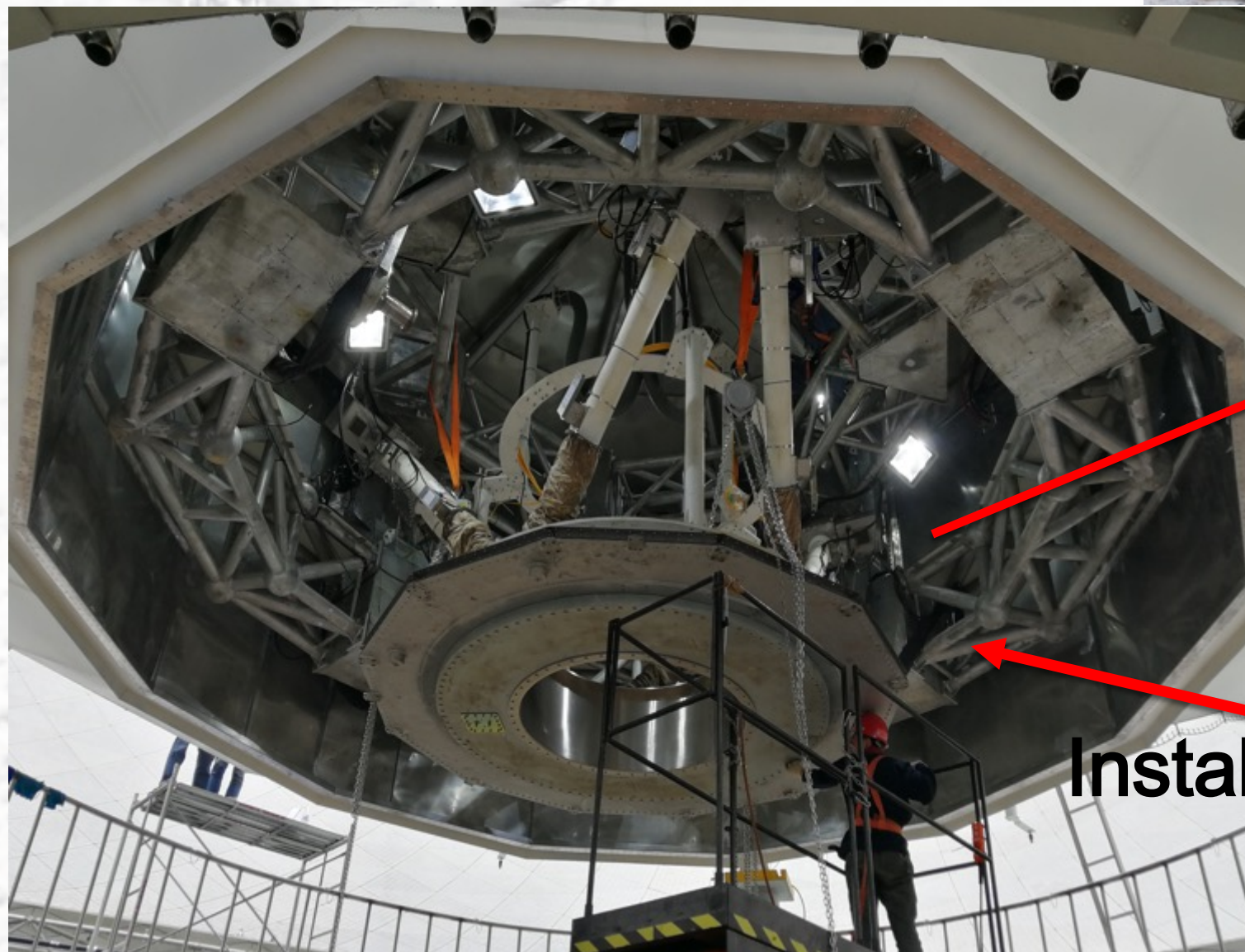
← Drive the buggy

Push the buggy →





# View around the Docking Station



Install



# Station3: Astronomy Town

2. Walk around the Town

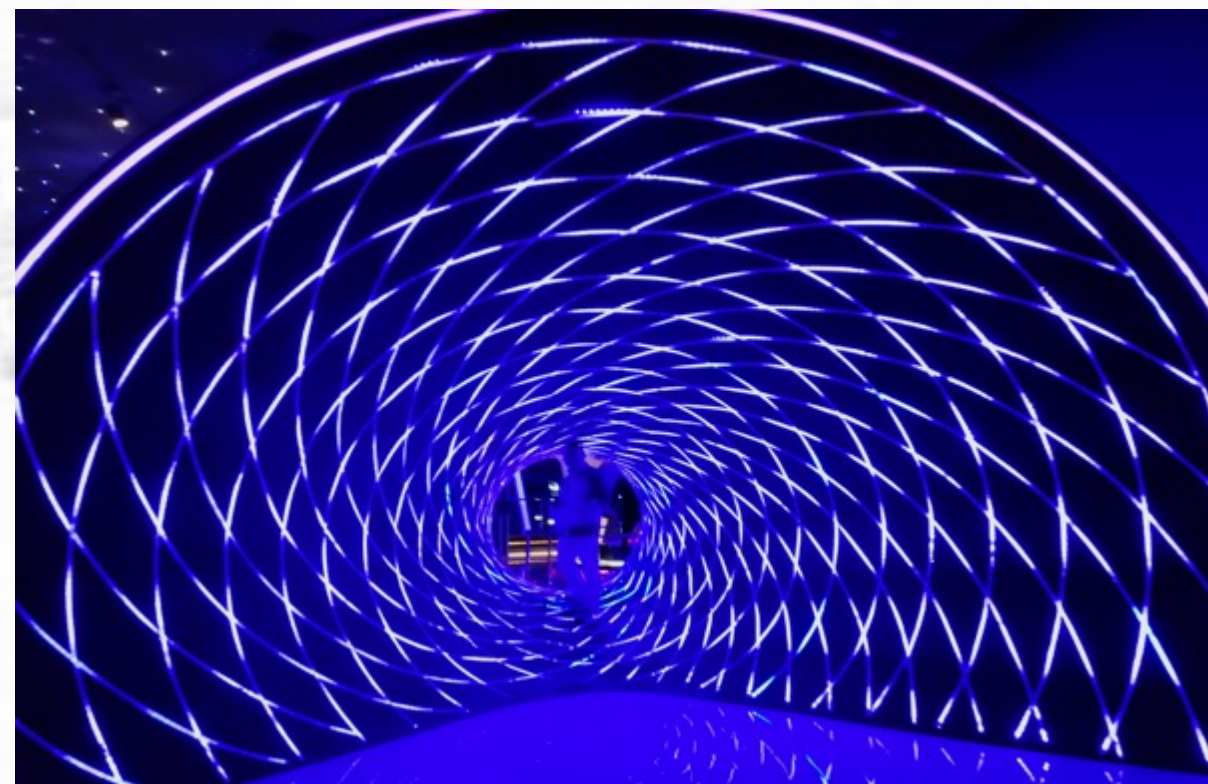


1. Astr Museum





# 1. Astronomy Museum





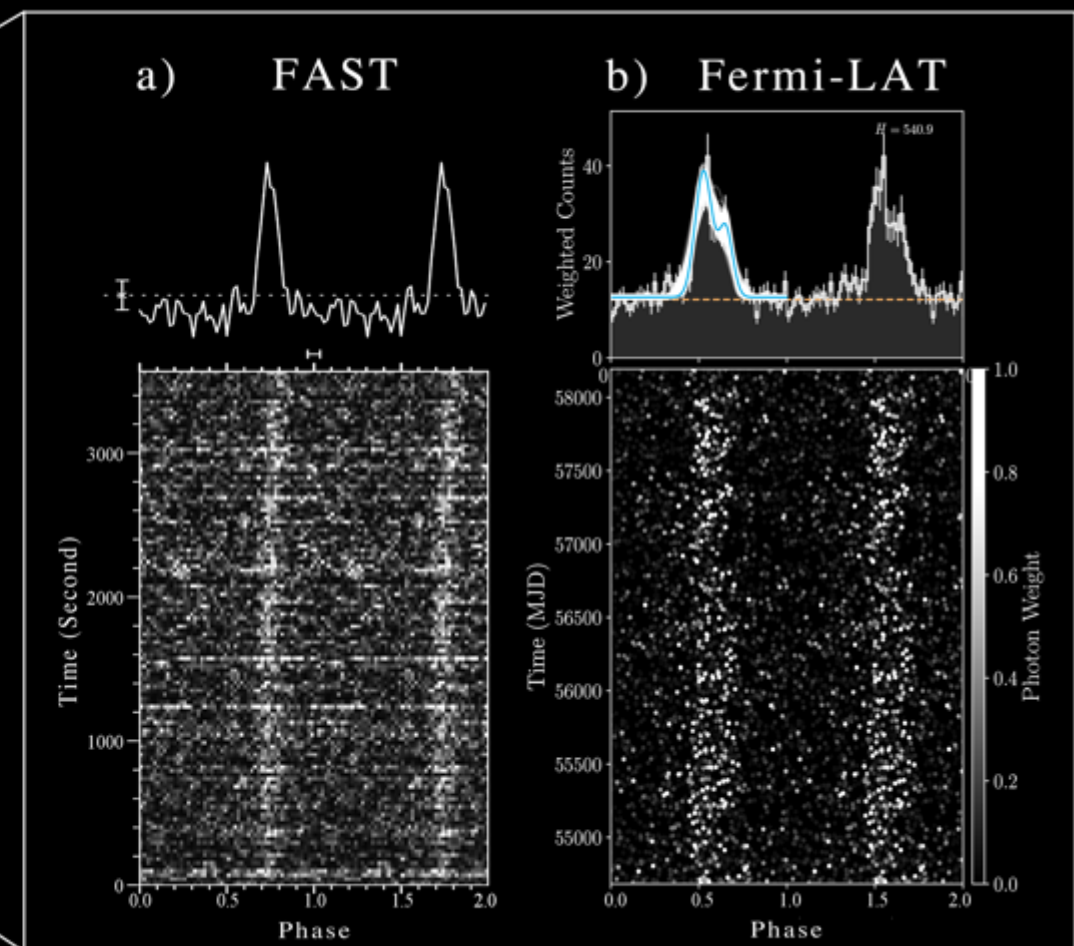
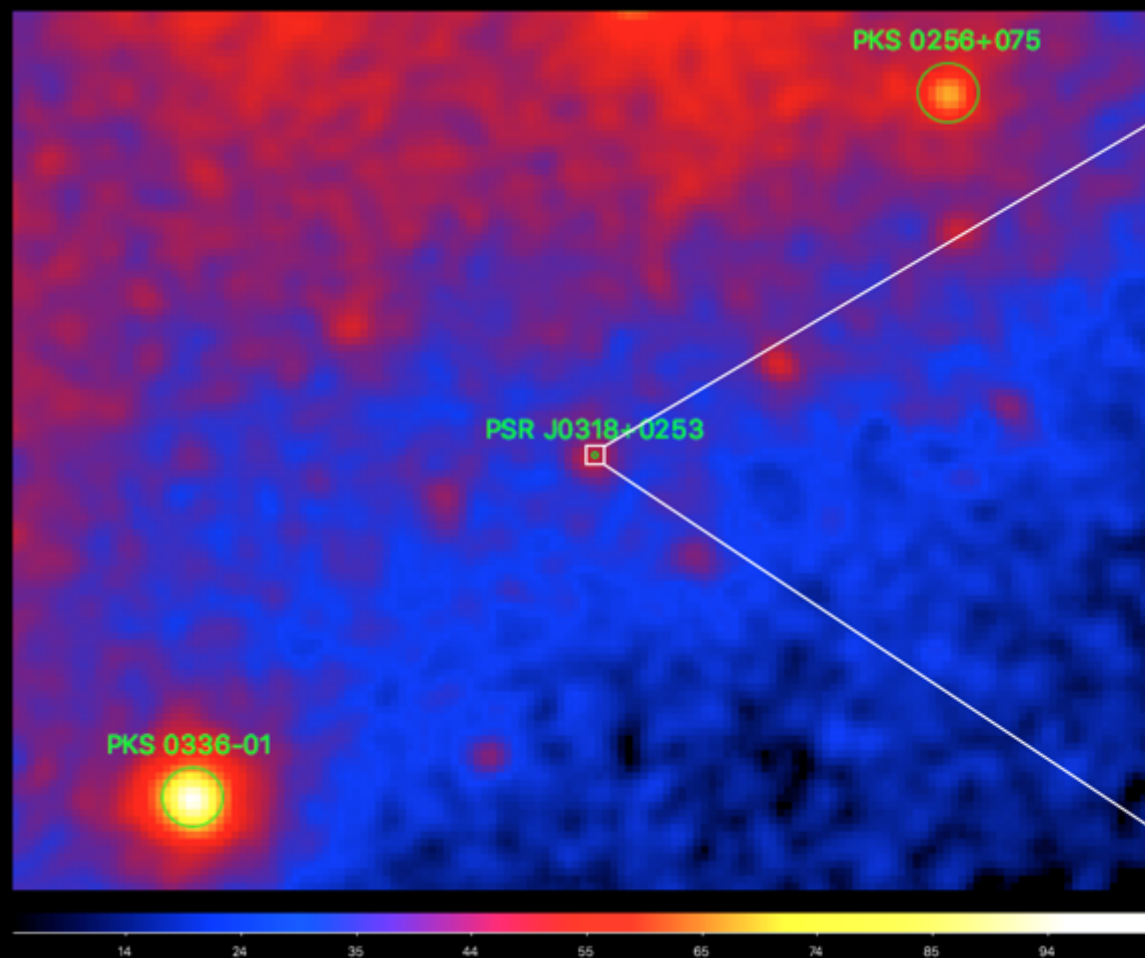
## 2. Walk around the Town





# The Commensal Radio Astronomy FAST Survey

Up to now, more than **50** good pulsar candidates are found from FAST, **15** pulsars are confirmed, **10** pulsars are confirmed by Parkes, **1** the weakest radio MSP with gamma ray radiation is confirmed by the Fermi-LAT team.





# How many people here now want to go to the FAST site?



## Welcome to real FAST site 😊