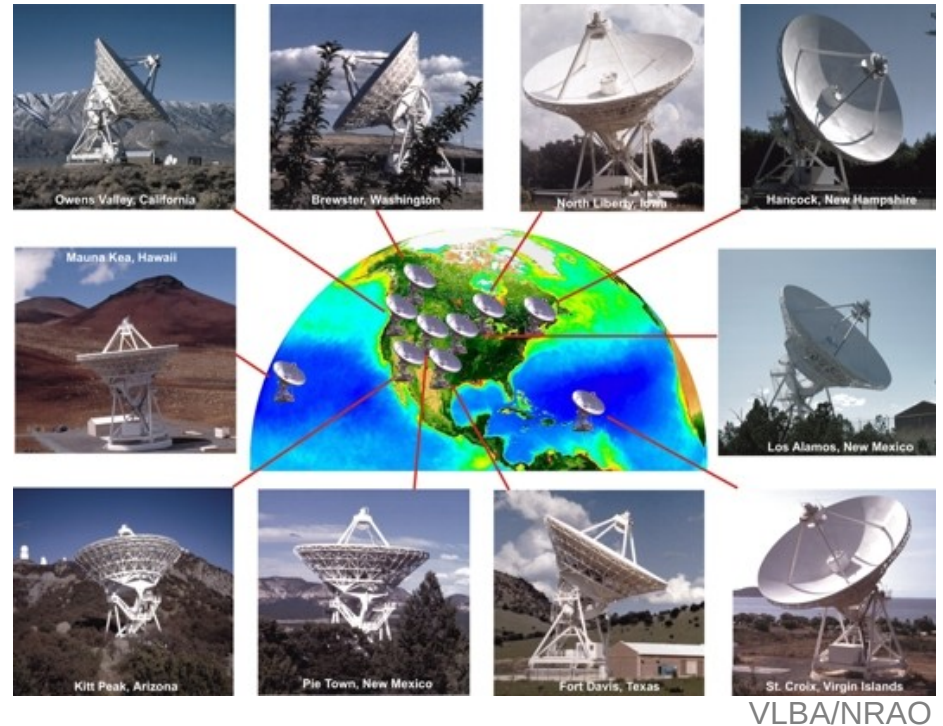


# NRAO Summer Student Orientation



Socorro students 2018



# Some People to Know

→ **Your research mentor:** primary point of contact for your research project & computing support

→ **Jim Braatz:** the overall NRAO Student Program coordinator (based in Charlottesville/CV; [jbraatz@nrao.edu](mailto:jbraatz@nrao.edu))



→ **Anna Kapinska:** the Socorro local Student Program coordinator ([akapinska@nrao.edu](mailto:akapinska@nrao.edu))



→ **JJ Utley:** administrative and logistical support (based in CV; [juttley@nrao.edu](mailto:juttley@nrao.edu))

→ **Lyndele von Shill:** NAC program coordinator, diversity and inclusion point of contact (based in CV; [lvonschi@nrao.edu](mailto:lvonschi@nrao.edu))



# Logistics

We will often communicate by **email**



... but you can also find me in my office (**208A**) or call x-**7155**.

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**Calendar** → calendar of events (lectures, training, talks, etc)

→ please check regularly!



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→ please check regularly!



**Paycheck** → managed by JJ via Charlottesville



→ *message from CV*: if you turned in your DD form, your first paycheck should have been deposited by now, if you haven't received it please contact JJ

# Workplace expectations

- **Work hours** → The summer student program is a *full time job* for the summer (8hr/day, 40hr/week). You should agree with your mentor on specific hours.
- **Absences** → Please contact your mentor & Anna if you need to be away for any reason
- **Dress code** → Casual, workplace appropriate is OK. Please wear shoes.

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- **Dress code** → Casual, workplace appropriate is OK. Please wear shoes.
- **Coffee/tea & food** → Coffee/tea are free in the kitchenette areas. Free food will be advertised via email (e.g. *Tue science tea*: free cookies, *Wed lunch talk*: free pizza, *2<sup>nd</sup> Wed of the month*: free cake to celebrate birthday's that month)



# Workplace expectations

- **Office courtesy** → a lot of people sharing small space, please be considerate:
  - use headphones,
  - use lounge or outside to take long private phone calls,
  - ask Anna if you need to take long phone calls or videocons for work purposes, we may find you a private room for that
- *Pick your computer and please stick to it for the whole duration of summer*



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- *Pick your computer and please stick to it for the whole duration of summer*
- **Bikes & furniture** → you can rent a bike for the duration of summer (first come first served), as well as some home furniture if you need for your room/accommodation

# Computing Security & Expectations

- **Vigilance** → please be aware and vigilant at all times, and verify any requests for sensitive information
- **Illegal stuff**
  - Do not use torrents or P2P on NRAO networks (this also applies to NRAO public wifi)
  - It is *illegal* to violate copyright on our networks. Our IT records all browsing and computer use history (think gov and screening you had to go through!). The RIAA and MPAA will see if there is an illegal copy and will let us know.
  - Please, be responsible.

# **Diversity & Inclusion**

## **NRAO Diversity Strategic Vision**

*To enable diversity to thrive in all areas of the Observatory in a seamless manner, wherein diversity becomes a natural part of the way we think about work, in the decisions we make, and in our behaviour towards others.*

## **NRAO Diversity Policy Statement**

*Our employees, essential to our success, are to be valued, treated with respect, and have opportunities to work in an inclusive, multi-cultural and gender diverse environment.*

# Diversity & Inclusion

*Simply, respect others!*

Lyndele von Schill's email about Code of Conduct and Anti-harassment training

# Diversity & Inclusion

***Simply, respect others!***

Lyndele von Schill's email about Code of Conduct and Anti-harassment training

***But it goes both ways, of course..***

You have the right to be treated with respect, irrespectively of your background, culture, gender, age, lifestyle, sexual orientation, anything really.

Please, ***let Anna, your mentor, or Lyndele, know*** if there is anything/anyone that makes you uncomfortable, or there are any signs or episodes of disrespectful behaviour, bullying or harassment. This will be treated confidentially.

# Summer program!

*Green Bank Bootcamp*

*Lecture series*

*Computing introductory lectures/sessions*

*VLA Tours*

*VLA/VLBA observing project(s)*

*Your research project: presentations & reports*

*Holidays!*

*Remember  
to check the  
calendar!*



# Summer program!

## *Green Bank Bootcamp*

Introductory radio astronomy summer school at Green Bank, WV (June 4–8) with lectures, single-dish observing, hands-on exercises and professional development talks.

Five of you are going: Montana, Dilys, *Roxana*, *Justin*, *BrianM*. You will also meet summer students based in CV and GB.





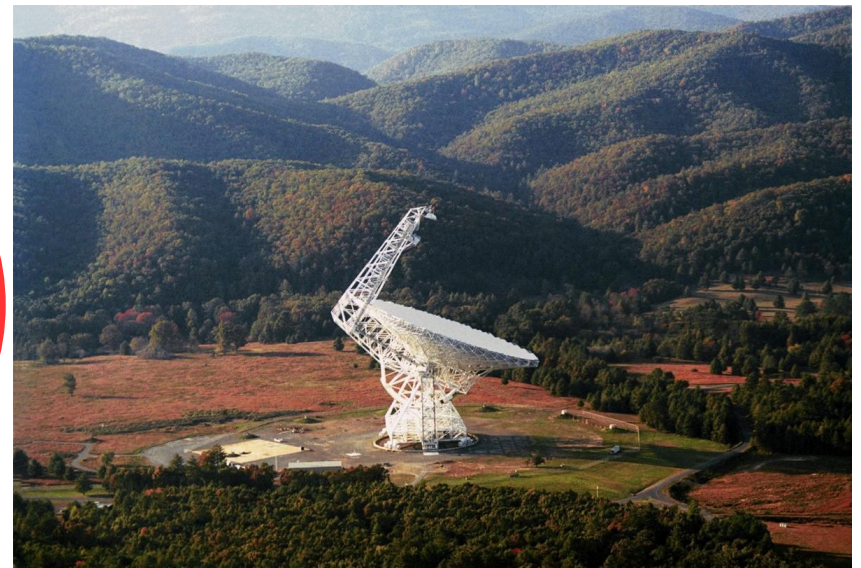
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- no Wifi or cell phone service in GB
- no electronics, including phones, allowed by the telescopes (RFI!)
- GBT tour: need close-toed shoes, no loose clothing or jewelry (heights issues?)



# Summer program!

## *Lecture series*

Lectures covering fundamentals (introductory) and diverse science done at NRAO (review).

*Tuesdays 12:00 – 13:00, from June 12 to July 31.*

## *Computing introductory lectures/sessions*

Three intro sessions to tool you will most likely need in your astronomy work (computing survey)

*Fridays 13:00 – 14:00*

- June 15: Python & astropy
- June 22: Intro to Unix system & basic scripting
- July 06: CASA scripting

# Summer program!

## *VLA Tours*

As part of your summer program you are required to do weekend VLA telescope tours. You will get thorough training (Judy), then you will pair up and give the tours to public. Great fun! :)

*Safety induction (Aspen):* **Friday, June 1 @ 2pm in R.280**

*VLA tour training (Judy):* **Thursday, June 14 at VLA**

Attendance required

*VLA tours start on June 16.*

# Summer program!

## *VLA/VLBA observing project(s)*

We will do a small observing project with VLA and/or VLBA during your summer. This is separate to your summer project, and you will work together. We will come up with ideas, propose, observe and reduce data.

More details in June!

# Summer program!

## *Your research project*

Project itself: between you & your mentor

But feel free to come over to me, email or call me if you have any questions (science or logistics), complaints or just want advice (science, logistics, anything..)

## *→ presentations*

*Each of you will give a Wed lunchtime talk (10-15 min).  
You are scheduled for your last week of the internship*

## *→ reports*

Required by NSF for your summer funding (1-2 pages).  
Due by the end of August.

# Summer program!

## *Holidays!*

May 28, Monday (Memorial Day)

July 4, Wednesday (Independence Day)

# Dates to remember today

*Safety induction (Aspen): Friday, June 1 @ 2pm in R.280*

*GB Bootcamp: Monday, June 4 - Friday, June 8 at GB*

*Lecture series start: Tuesday, June 12*

*VLA tour training (Judy): Thursday, June 14 at VLA*

**Link to calendar in your email!**

