

## SUMMARY OF STUDENT POSITIONS: ~75!

1. Gallus (ISU)
  - 3 ISU student forecast positions, **FILLED**
  - 1-2 students to assist with forecasts, familiar with models, output, etc.
    - No funding
2. Geerts (UW) and Wang (UW)
  - 2-3 UW students to support UWKA and Tq Raman lidar, **FILLED**
  - 1 observer seat (later in project, or when MARLi not operating?)
3. Parker (NCSU), Schumacher (CSU), Coniglio (NSSL), Biggerstaff (OU), Mansell (NSSL), Schuur (NSSL), Ziegler (NSSL)
  - 15 student positions (18 students from OU, CSU and NCSU), **FILLED**
  - **May need students if not enough undergraduates**
  - SR1 (Scout), SR2 (Scout), NOXP (Scout), NSSL MM, NSSL MGAUS1, NSSL MGAUS2, CSU MGAUS
4. Kosiba and Wurman (CSWR)
  - **10-11 student positions (1 from U of Hawaii), 9-10 NEEDED**
  - DOW6, DOW7, DOW8, MORC, S1, S2, S3
  - 3-6 Observer seats

5. McFarquhar, Rauber and Jewett (UI)

- 1 UI student assisting with analysis of P3 cloud microphysics, **FILLED**
- Have at least 4 students, available the entire time (funding status unknown)

6. Demoz (Howard)

- 2-3 student positions to support radiosonde launches, analysis of ceilometer data, and coordination
  - Need students?
  - Have students?

7. Hanesiak (U Manitoba)

- 1-2 student positions assisting with PISAs, **FILLED**
- **Maybe need 1 student for ~2 weeks, funded**

8. Bell (U Hawaii)

- 1 student with DOW (duration of project)
- 1 student with NOAA-P2 (2 weeks of funding)

9. Klein (OU), Turner (NSSL), Chilson (OU), Shapiro (OU), and Fedorovich (OU)
  - 3-4 OU student positions to operate CLAMP (mobile PISA1), **FILLED**
  - Could use 1-2 (rotating) additional undergraduate students
    - No funding
  
10. Parsons and Bluestein (OU)
  - 5-6 OU students to operate FM-CW, Rax-Pol and T-wolf, **FILLED**
  - 1-2 OU students available to be at the 449 MHz prolifer site or other ISS for data interpretation and timing of sounding launches, **FILLED**
  - 2 graduate students drive the FM-CW and T-wolf lidar, **NEEDED**
  
11. Knupp (UAH)
  - 5-6 UAH students for MAX and MIPS, **FILLED**
  - 3 more students? Funding?
  - 2-3 observer seats
  
12. Brown (EOL, NCAR)
  - Have, 1-2 students, 12 + students for ISS operators, **NEEDED**

## Summary

### Ability for students to rotate through instruments during the project:

UWKA (Seat 4): 1 person (maybe; later in the project)

DOWs and DOW Support (Seats 3): 3-6 people

S-POL: 4 people

MAX/MIPS: 2-3 people

NOAA-P3: 3-4 people (need to complete online training; need to give name to Jorgensen)

OPS Center: ??

### Staffing Needs (funded):

- DOWs and DOW Support: Full-time
  - 9-10 students
  - Comfortable driving large vehicles (license for 25,999 lbs.), basic computer skills
- ISS Sounding Operators: at least 3-week shifts
  - 12 students
  - Basic computer skills
- T-Wolf and FM-CW
  - 2 Students
  - Need a government license

# SUMMARY

## Other (potential) Staffing Needs:

Parker et al. (SR1/SR2/NOXP Support, MM, MGAUS)

Klein et al. (CLAMPS)

Hanesiak (PISA)

Knupp (MAX/MIPS)

## Available Students:

UI: 4 graduate students

- Bethany, PhD: Forecasting
- Dan and Jessie, MS: Rotate through 2 different roles (mobile radar, post processing of P3 data)
- Wang: Ground-based remote sensing

***Orientation and training for student instrument operators: When? 1 week before start?***

***Ops Center Student Staffing?***

## RADAR Staffing:

DOW6: 1 CSWR staff, U Hawaii GS

DOW7: 1 CSWR staff, 1 Student (**needed**)

DOW8: 1 CSWR staff, 1 Student (**needed**)

*MORC: 1 CSWR staff, 1 student (**needed**)*

## MAX (UAH):

SR1: OU UG driver

*SR1 Scout: OU UG driver, OU UG navigator*

SR2: OU GS driver

*SR2 Scout: OU UG driver, OU UG navigator*

NOXP: No student staff

*NOXP Scout: OU UG driver, OU GS navigator*

RAXPOL: OU GS (from Parsons and Bluestein)

SPOL: No student staff

## PISA Staffing:

FP1 (Turner)

FP2 (Clark, Demoz)

FP3 (Parsons): ISS students (**needed**)

FP4 (Weckwerth, NCAR): ISS Students (**needed**)

FP5 (Weckwerth, NCAR): ISS Students (**needed**)

FP6 (Hanesiak, U Manitoba): 1 student

MP1 (CLAMPS, OU): 1 OU GS, 1 OU UG

MP2 (MIPS, UAH): UAH students?

MP3 (SPARC, UW-Madison):

MP4 (MISS): ISS Students (**needed**)

MP5 (ROVER, OU): GS Driver for T-Wolf (**needed**), GS Driver for FM-CW (**needed**)

Mobile Mesonet and Soundings Staff:

CSU MGAUS1: UG CSU driver, GS CSU navigator

NSSL MGAUS2: OU GS driver, NCSU GS navigator

NSSL1: OU UG driver, OU GS navigator

CSWR1: student driver (**needed**), student navigator (**needed**)

CSWR2: student driver (**needed**), student navigator (**needed**)

CSWR3: student driver (**needed**), student navigator (**needed**)



## Aircraft Staffing:

UWKA: 2-3 UW graduate student, Possibly 1 observer position

NOAA-P3: No students positions, 3-4 observer positions (U Hawaii GS)

DC-8: ??

Ops Center Staffing:

Forecasting (ISU): 3 ISU students, 1-2 students

3 + Student Assistants (Radar coordination, Ground Assets, Forecasting, Making sure data are coming into the data catalog)