#### 2022 CEDAR STUDENT POSTER CONTEST

### Poster Awards

### Participation

Tuesday (MLT): 39 posters

Wednesday (IT): 34 posters

### Acknowledgments

<b>MLT</b> Juc	dges (Ji	a Yue, Li	indsay (	Goodwin)
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IT Judges (Matt Zettergren, Endawoke Yizengaw)

Reza Janalizadeh Mack Jones

Chris Heale Seebany Datta-Barua

Jack Wang Erin Lay

Min-Yang Chou Nick Pedatella

Kim Nielsen Titus Yuan

Corwin Wright Chih-Ting Hsu

Liying Qian Devin Huyghebaert

Chihoko Cullens

Bruce Fritz

Paul Inchin

Meghan Burleigh

Yen-Jung Wu

Romina Nikoukar

Leslie Lamarche

Jeff Klenzing

Qingyu Zhu

Sukanta Sau

Deepak Karan

Qian Wu

Jonathan Makela

!Thanks to Astrid Maute for helping us organize and stay on track!

#### Evaluations

#### CEDAR Workshop Student Poster Competition: 1st Round Score Sheet

Judges grade the poster in 6 weighted categories from 1 (low) to 5 (high)

Student's Last Name	First Name	Institution	Poster #	

Below Average 1	Average 2 3	4	Above Average 5	Weight	Points
1. Is the title well-chosen an	d informative? (max 25 points)			1	
The title is not clearly relevant to the content.	The title mostly conveys the content of the poster.		The title is clearly worded, succinct, and informative.	5	
2. Are the problem and object	ectives clearly stated, emphasizing the	ne new	or original aspects of the work?	? (max 75 <sub> </sub>	points)
The problem and motivations of the study are not clearly stated.	The problem and motivations are mostly conveyed, connections to prior work and implications for the science / community are mentioned.		The problem and motivations are clearly stated, with impressive connections to prior work and implications for the science / community.	15	
3. Are the methodology and	results clearly presented, including	clear f	figures, graphs, etc., as required?	? (max 125	points
Methodology and results are vague or absent; figures, graphs, etc., are not clear.	Methodology and results are		Methodology and results are comprehensively and clearly demonstrated, using figures, graphs, etc., beneficially.	25	

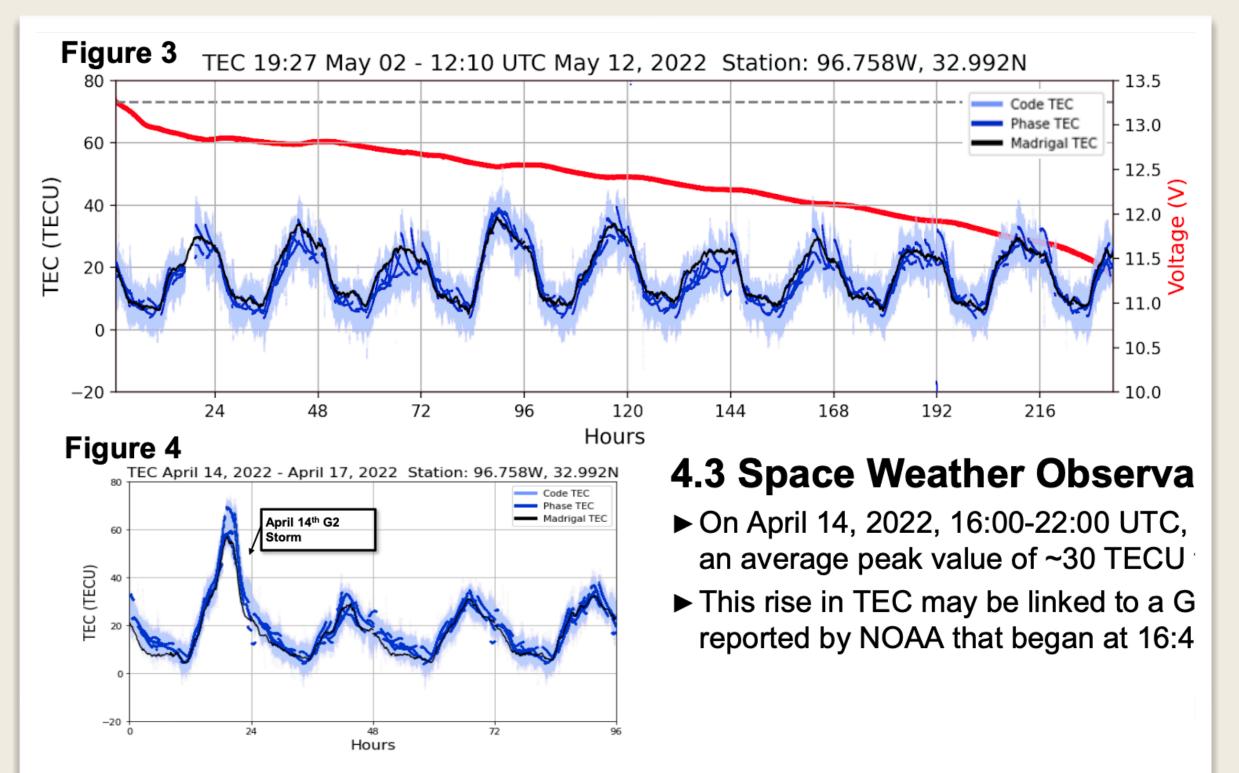
Each question ranked 1-5; then a weight applied

Written comments are included at the end of the score sheet

Two rounds of scoring:
one without student
present, one with...
followed by lots of
deliberation:)

# Please pick up your evaluations at the registration desk!

### MLT Awards (Tues.)



#### 4.4 Communication / Remote Operation

- ► On average, device transfers 7.4 MB per day (222 MB per month) of data. A 500 MB monthly plan costs ~US\$9.00 USD.
- ► Currently, we are working on near real-time visualization of GNSS information for educational purposes, Fig 5.

#### Undergraduate Award

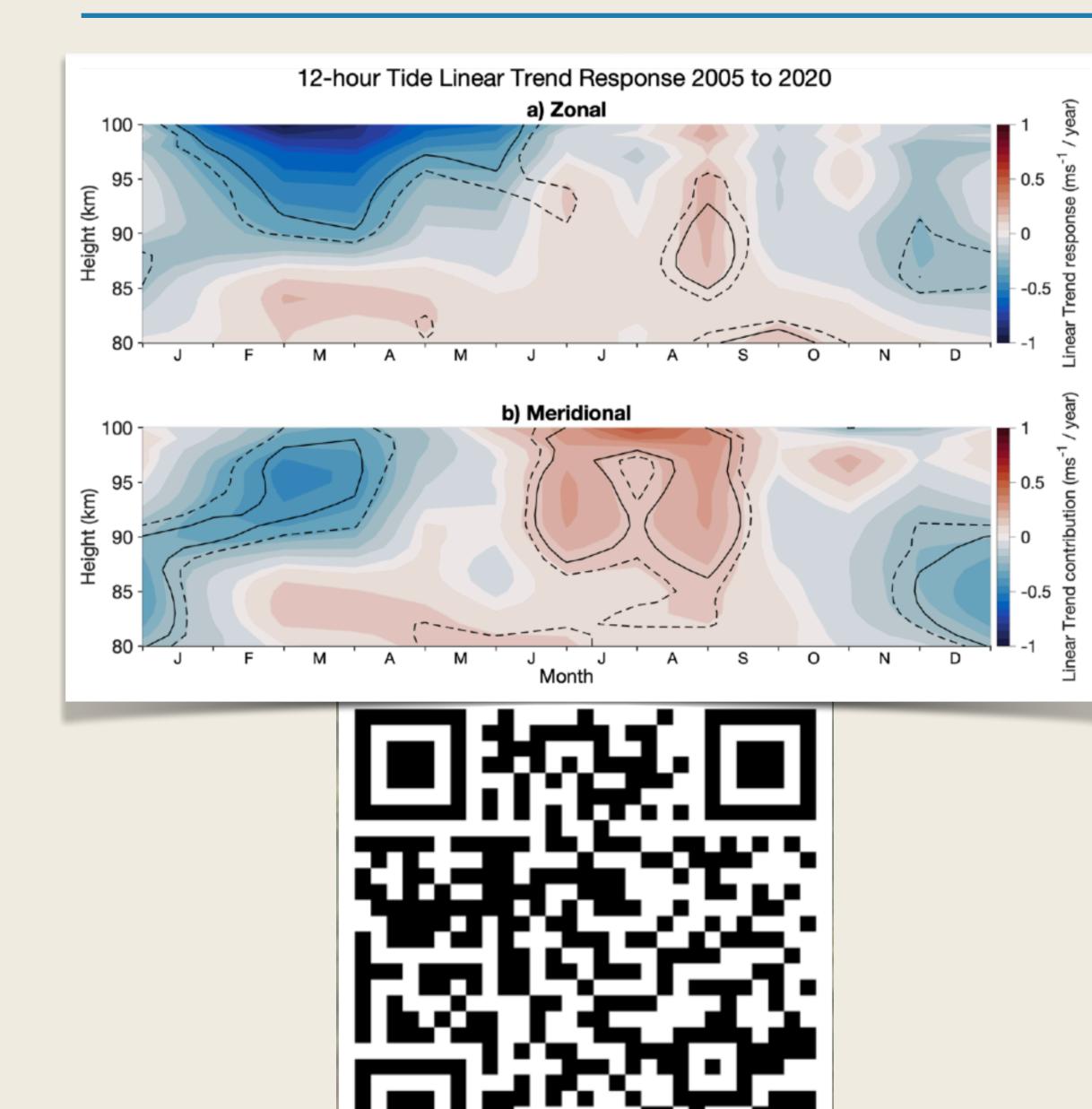
**Author: Ishita Solanki** 

Title: Autonomous Platform for Distributed Ionospheric Studies and Citizen Science Initiatives

Institution: UT Dallas

Poster: EDU-03





#### Honorable Mention

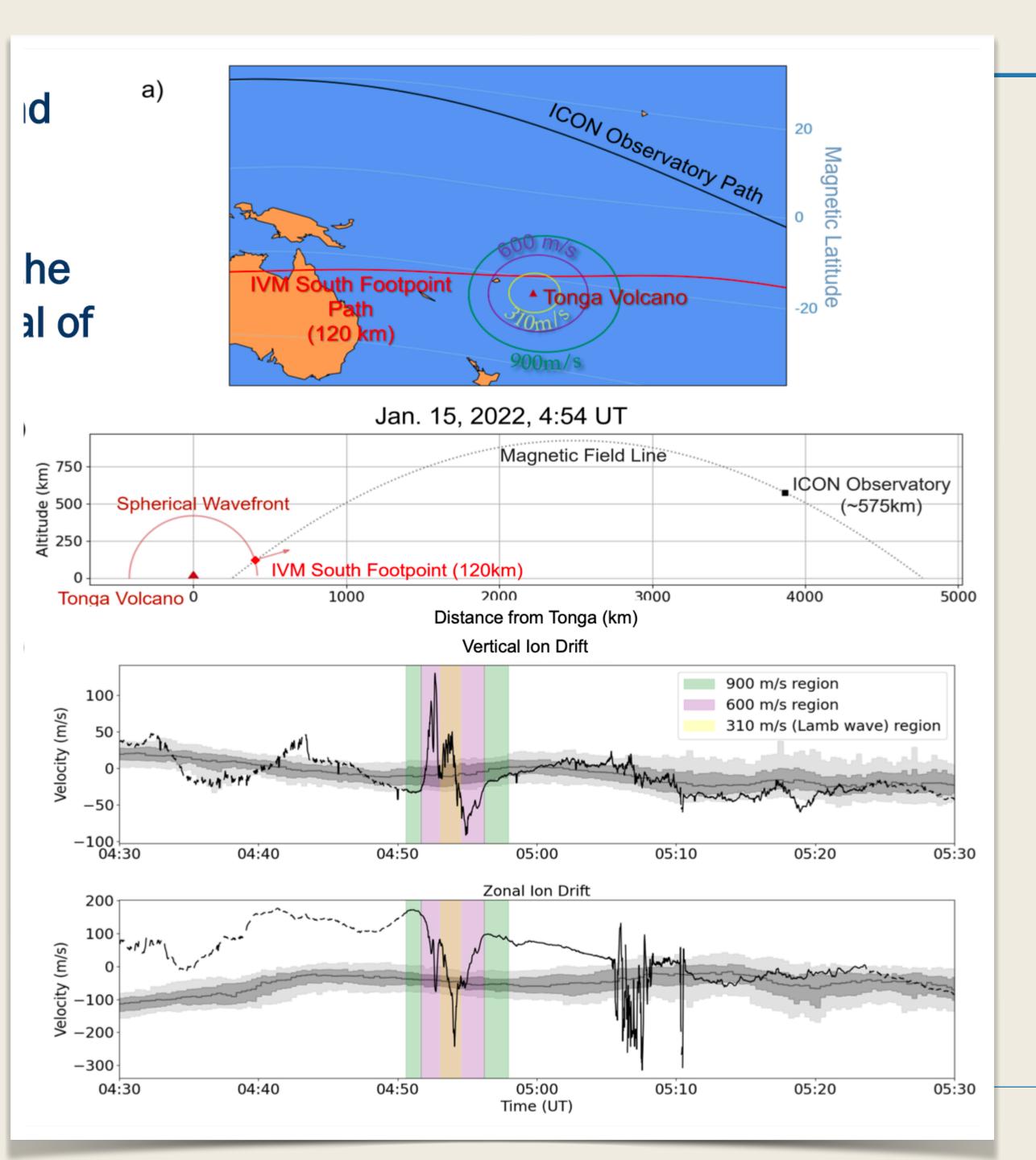
**Author: Shaun Dempsey** 

Title: Interannual variability of the 12-hour tide in the mesosphere and lower thermosphere in 15 years of meteor-radar observations above Rothera

Institution: U Bath/British Anarctic

Survey

Poster: MLTS-04



#### Second Place

Author: Claire Gasque

Title: Volcanic Disruption of the Equatorial Ionosphere: ICON Observations of the Tonga Eruption

Institution: UC Berkeley/SSL

Poster: COUP-03



# (a) Q6DW in V (b) Diurnal Tide Amplitude in V (c) Q6DW in U Wavelet spectrum ₽ 8 8 (d) Diurnal Tide Amplitude in U (e) Q6DW in T (f) GW $v^2$ wind variance

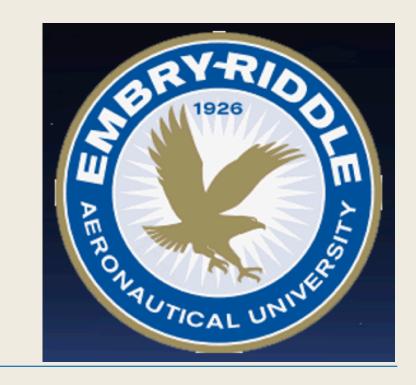
#### First Place

Author: Zishun Qiao

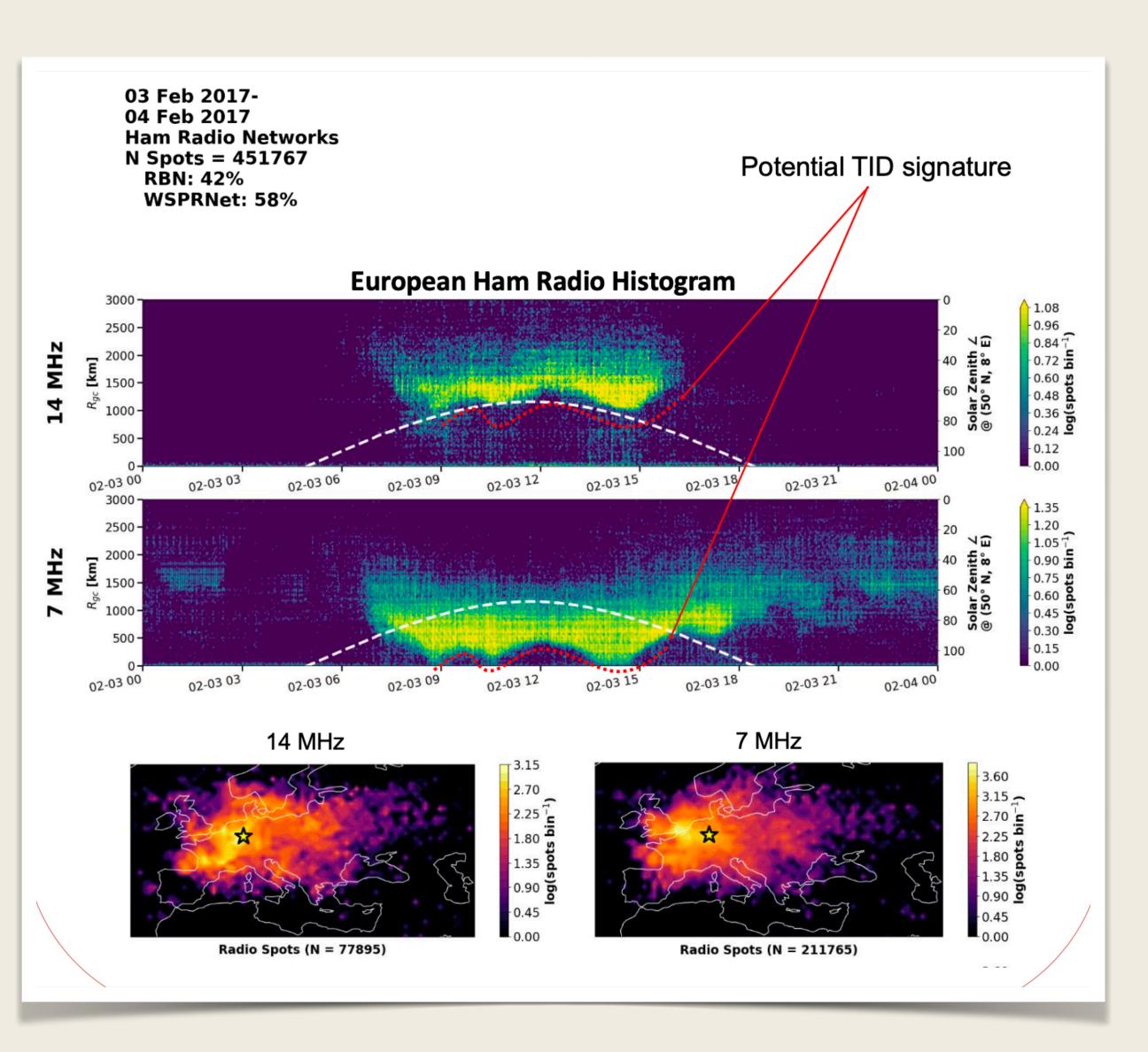
Title: Southern Hemisphere (SH)
Midlatitude MLT response to the
2019 SH SSW, revealed by two
meteor radar observations and SDWACCM-X simulations

Institution: ERAU

Poster: COUP-09



## IT Awards (Wed.)



#### Undergraduate Award

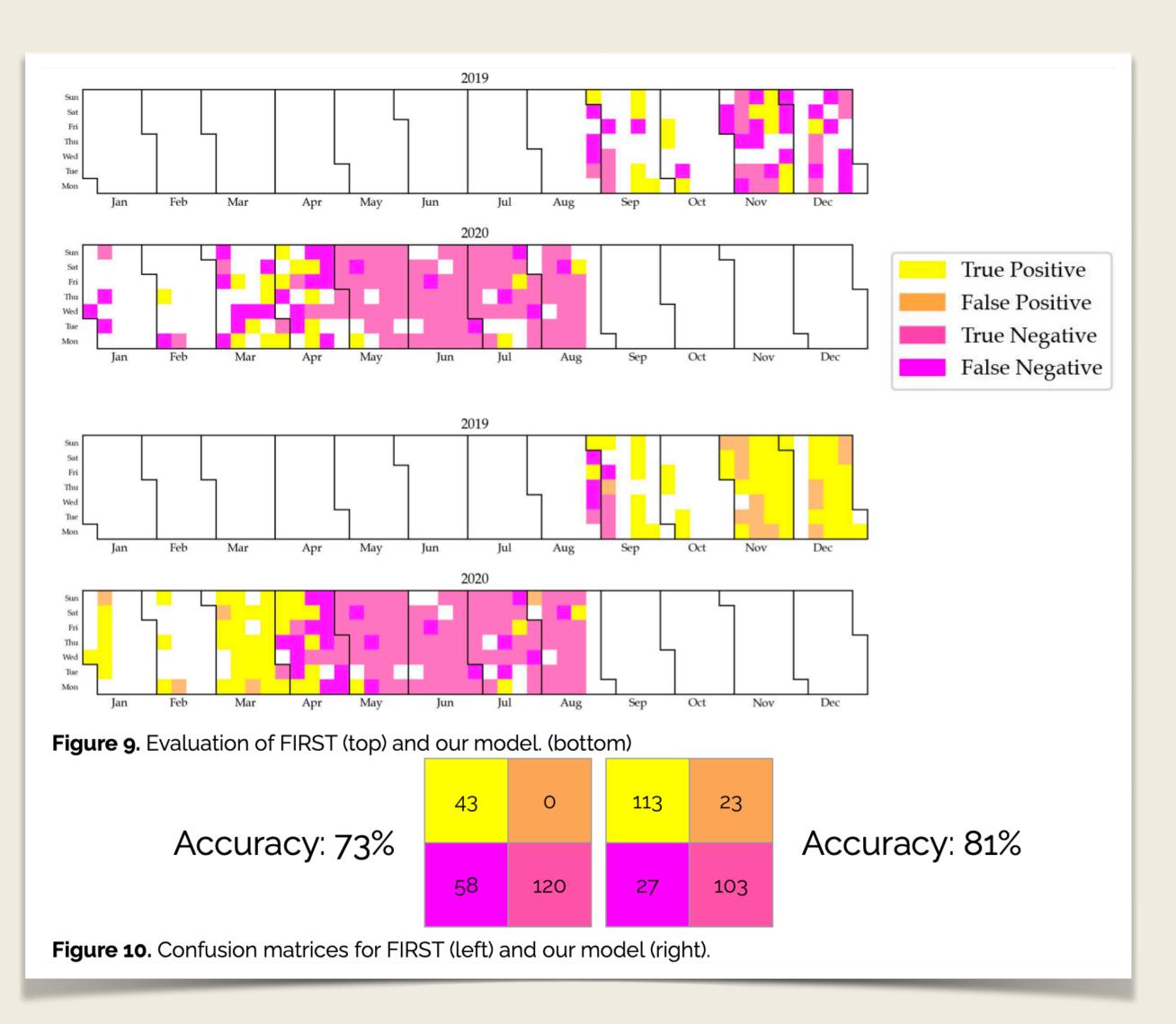
**Author: Diego Sanchez** 

Title: An Investigation of Traveling Ionospheric Disturbances Detected with Ham Radio Transmissions

Institution: NJIT

Poster: MITC-17





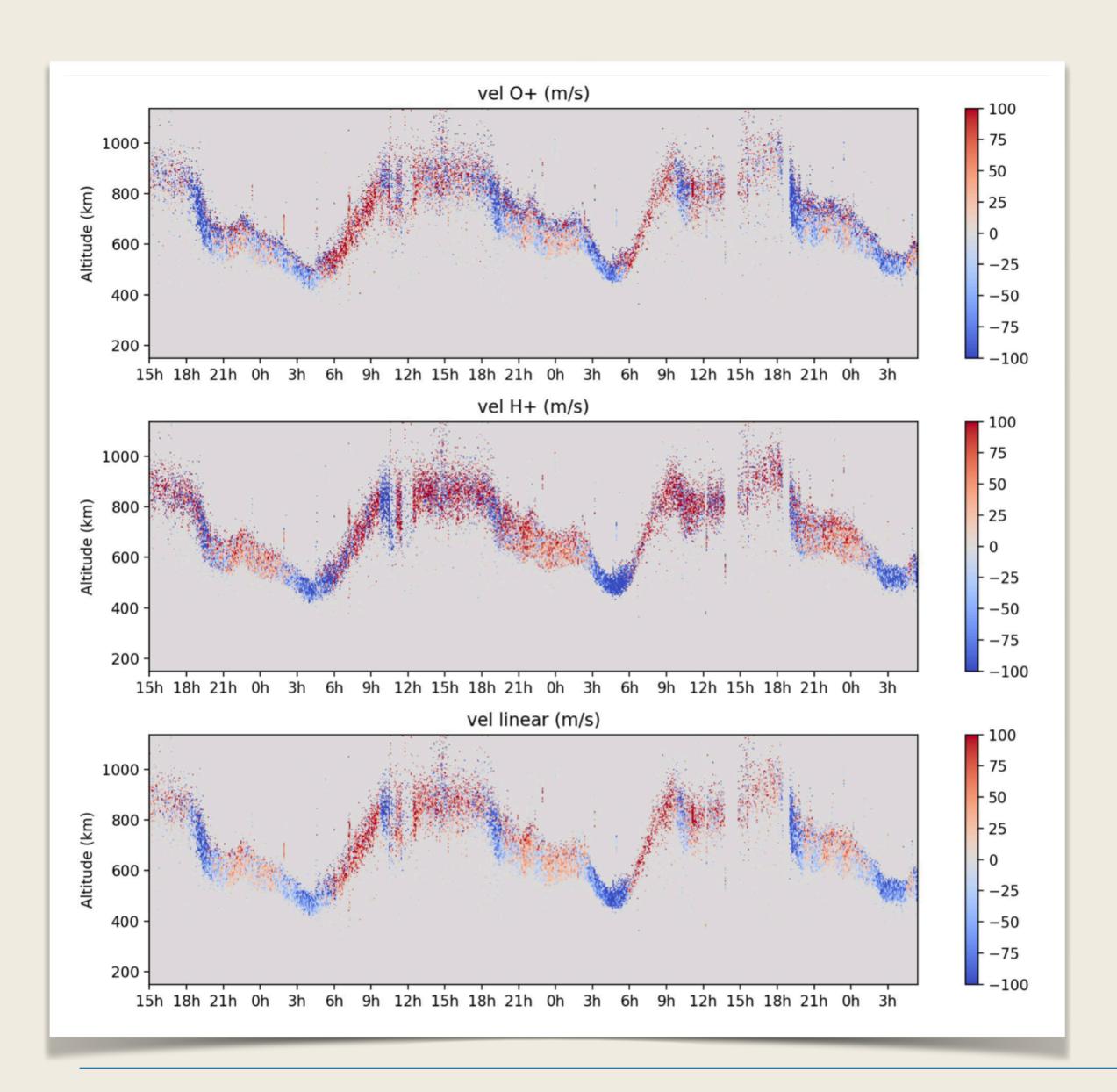
#### Undergraduate Award

**Author: Ronaldo Rojas** 

Title: Forecasting Spread F at Jicamarca

Institution: Universidad de Ingeniería y Tecnología

Poster: IRRI-05



#### Honorable Mention

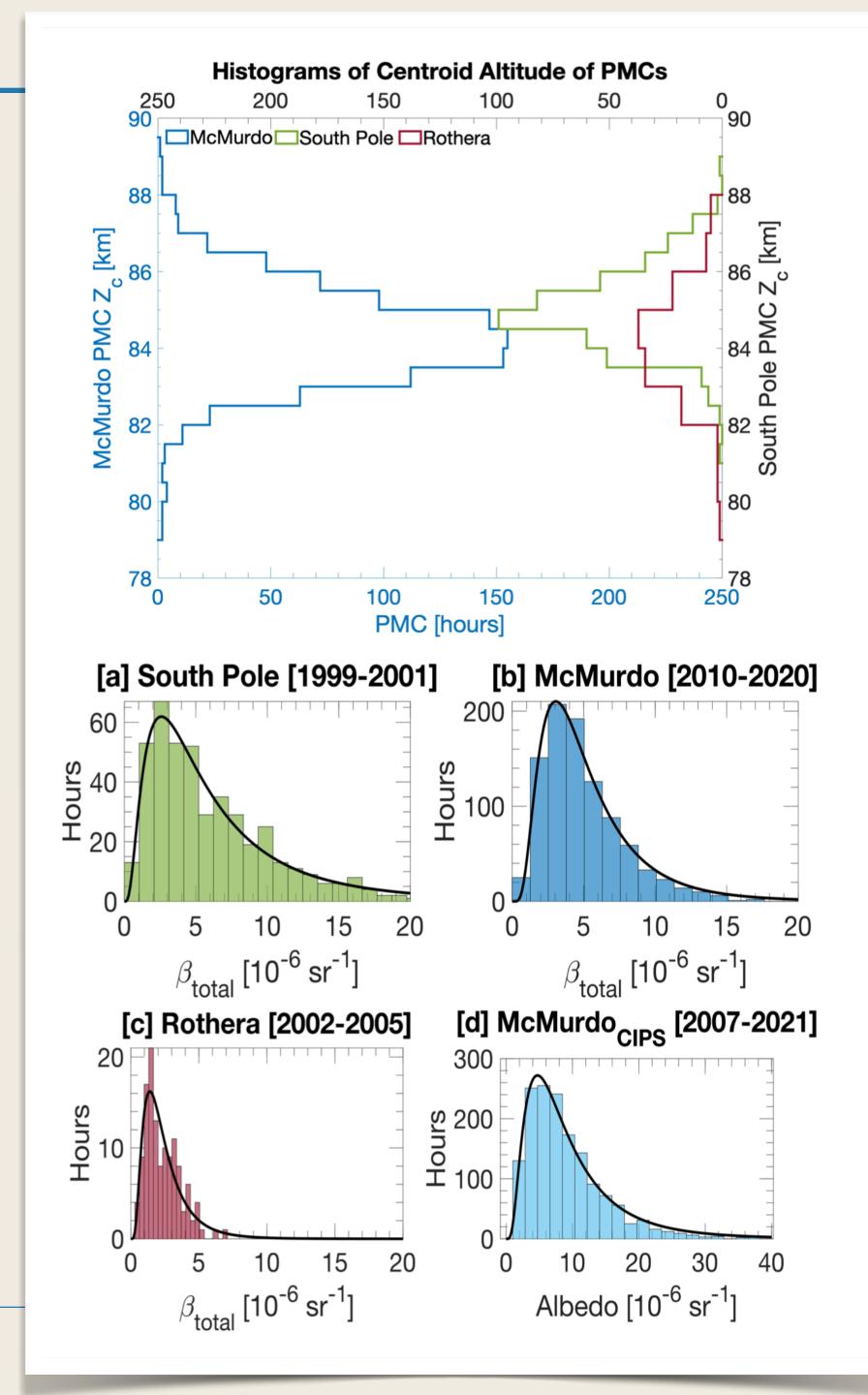
Author: Binghui Wang

Title: Topside F-region O+ and H+ drifts inferred from Arecibo ISR long pulse echoes

Institution: UIUC

Poster: ITIT-23





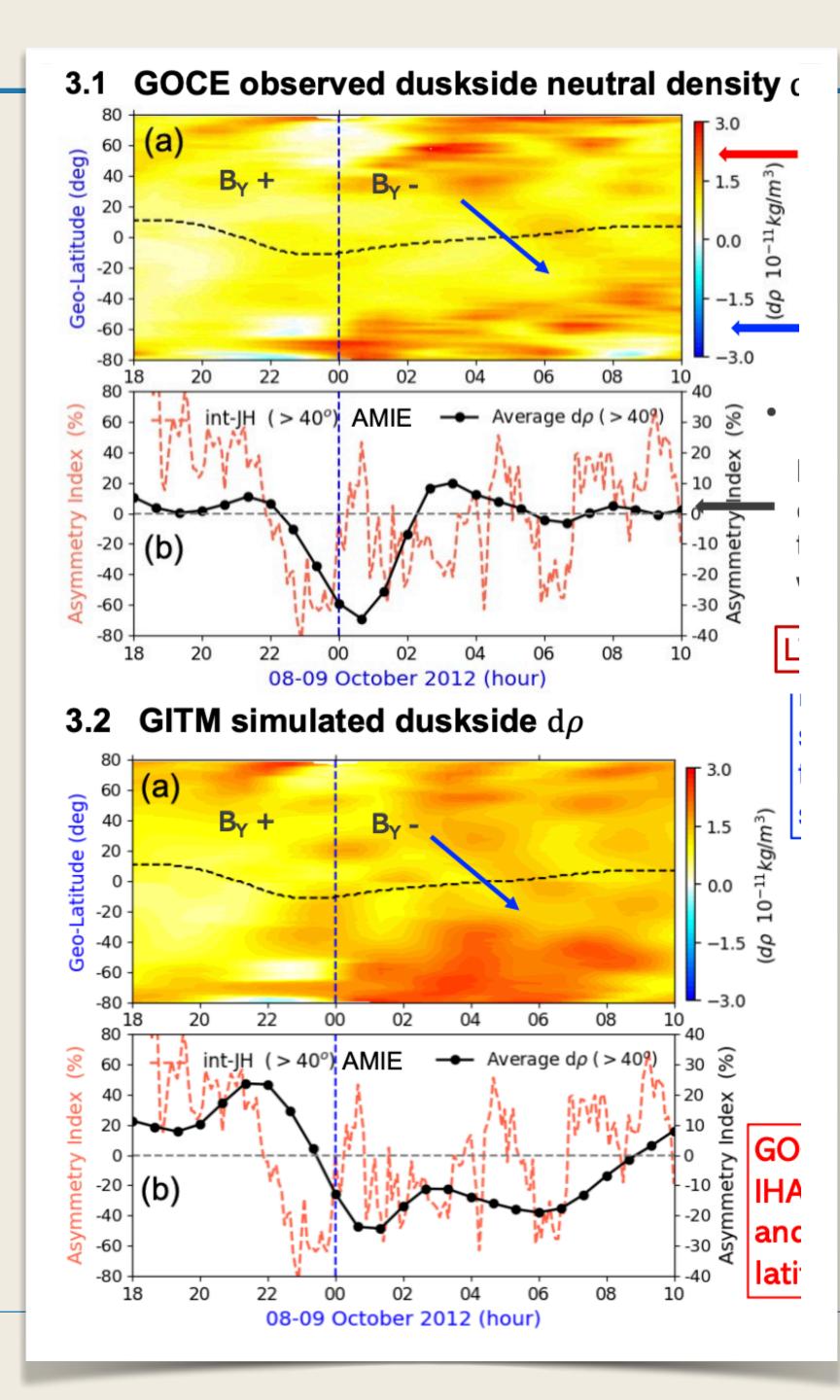
#### Second Place

**Author: Arunima Prakash** 

Title: Interannual and Diurnal Variability of PMCs Using 10 years of Lidar and 14 years of CIPS Observations at McMurdo, Antarctica

Institution: CU Boulder

Poster: POLA-01



#### First Place

**Author: Yu Hong** 

Title: Inter-hemispheric asymmetry of the ion-convection boundary expansion during the 8-10 October 2012 storm

Institution: UT Arlington

Poster: MITC-07



#### Student Poster Awards

Tuesday (MLT)

Wednesday (IT)

Zishun Qiao

Claire Gasque

Shaun Dempsey

Ishita Solanki

Yu Hong

Arunima Prakash

Binghui Wang

Diego Sanchez

Ronaldo Rojas