

# SAAC NOTAM

SAAC  
Spring 2023

THE OFFICIAL STUDENT PUBLICATION OF THE  
JOHN D. ODEGARD SCHOOL OF AEROSPACE SCIENCES

**Skies Without Limits**  
*Passion Creating Leaders*

**Leaders in ATC**  
*CNN Visits UND To Get  
New Perspective on  
Runway Incursions*

**Women in Aviation**  
*WAI UND Chapter Goes  
to Long Beach*

**New Archers on the Line**  
*Insights on Aircraft Demand*





# SAAC NOTAM

THE OFFICIAL STUDENT PUBLICATION OF THE  
JOHN D. ODEGARD SCHOOL OF AEROSPACE  
SCIENCES

## *In This Issue:*

Skies Without Limits 3  
By Trece Hopp

CNN Comes to UND Aerospace 5  
By Mario Arocho

WAI Goes to KLGB 6  
By Julianne Lore

New Archers 7  
By Carson Calhoun

# Skies Without Limits

By Trece Hopp

Atmospheric Sciences U.G.

Hello! My name is Trece Hopp, and I am a current senior studying Atmospheric Sciences. Hard to believe that my time at UND is almost over. I grew up in Wisconsin and Minnesota so was constantly surrounded by interesting weather and hoped to go somewhere warm for college. Clearly, that didn't work out, but I am extremely happy with my choice to be here at UND.

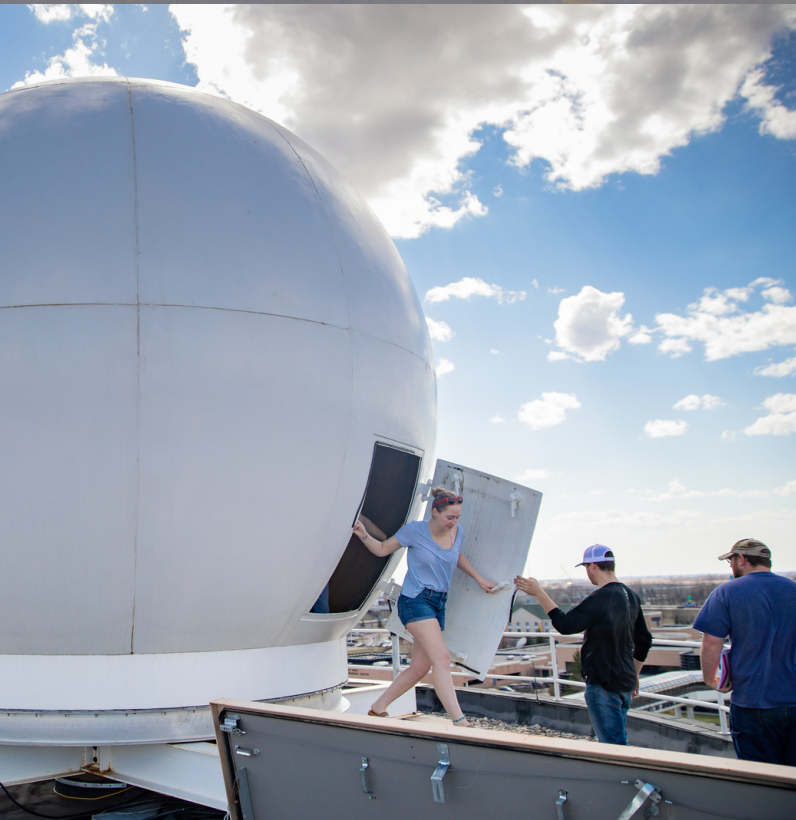
At UND, I have had the honor of participating in our student chapter of the American Meteorological Society (AMS) which provides a ton of great resources to our students. In addition to our small chapter, I have attended the National Student Conference of AMS three times, presenting research in person two of those times. AMS as a national organization is committed to advancing the sciences and communication of weather, water, and climate. The AMS Graduate Fellowship offers financial support to graduate students that are committed to these same goals and values. It is an honor to receive this fellowship. Without this support, I would not have been able to attend graduate school this upcoming fall.

With the opportunity to attend graduate school at the University of Michigan School for Environment and Sustainability, I will continue to advocate for environmentally vulnerable communities. I am going to concentrate my studies in Environmental Policy and Planning to further understand the





politics that go into environmental issues. I also have the pleasure of working with Dr. Drew Gronewold in his hydrology lab looking at Great Lakes water levels and forecasting for these variabilities. If the sciences were steppingstones, the first rock would be the intricate dynamics of the world, and I've been introduced to this as an undergraduate. The second is the application of those dynamics into the world through modeling and application. This will be where my research is focused. The third stone is the community impacts of all this work and application. If we, as a society, can't understand and act based on the data and facts around us, the scientists cannot do their job, and the world changes. I will be receiving education in this third area. With a piece of each stone, I hope to help communities and decision-makers understand the full picture of the environment around them, to make the best sound decisions, and stand by the side of those whose voice may be lessened.



I have had many mentors over the past years. From those who understood my passion from the start to those who are just getting on board, the support is needed and appreciated. UND Aerospace and the Department of Atmospheric Sciences have offered so many opportunities that have developed me as an academic scholar, a scientist, and a person. Thank you to everyone who has supported me along the way.

# CNN Visits UND To Get New Perspective on Runway Incursions

By Mario Arocho  
President, UND SATCA

UND's very own air traffic control professor, Colt Iseminger was featured on a nationally televised news segment talking about the recent runway incursions happening all over the country. Speaking with CNN correspondent Omar Jimenez, the pair discussed some of the reasons that these all too frequent runway incursions may happen. Next, Colt and Omar simulated the runway incursion that happened on January 13th at JFK International Airport showcasing the terminal environment of busy US airports and how these miscommunications can occur. Colt also showed off the capabilities of UND's 360 Tower Simulation. Once the weather changed from simulating clear and sunny conditions to thick fog Omar Jimenez remarked, "oof...okay...now I'm stressed". Overall, this CNN segment was very beneficial to the viewers at home to better understand the inter-working of air traffic control, all thanks to the wonderful help from students and faculty at the University of North Dakota.





# WAI At Long Beach

By Julianne Lore  
UND WAI Officer

At the end of February, the University of North Dakota's Women in Aviation Chapter made the long-haul trip to Long Beach, Southern California to the 34th Annual Women in Aviation International Conference. The WAI conference is a three-day extensive event where aviators from all around the world meet to connect and experience career-changing advancements. The conference guides towards the empowerment of not just women in the industry, but everyone who shares a common passion for aviation. The UND chapter had over 15 members attend the conference. The chapter was able to experience speeches from inspiring keynote speakers, attend educational seminars, explore and meet with over 100 different companies at the exhibit hall, as well as many of our members receiving scholarships at the award ceremonies, and much more! Not only was this event inspirational and educational, but it was also a pleasure for the UND chapter to bond and experience the event together. We are thankful for the generous donors that make this experience possible for our members. We look forward to traveling to Orlando, Florida for the 35th Annual Conference in March of next year



# New Archers on the Line

By Carson Calhoun  
SAAC Council Member



The aviation industry is experiencing a period of substantial growth, resulting in a demand for more pilots, maintenance personnel, and aircraft. Operating the largest civilian flight training fleet in the country, the aviation department at UND is constantly receiving new aircraft to keep up. So far this year, UND has taken delivery of 5 new Piper Archer TXs and doesn't plan on stopping there. UND will continue to replace aging aircraft with new Archers. To achieve a constant flow and maintain a new top-of-the-line fleet, a total of 14 Piper Archer TXs and 2 Piper Seminoles are expected throughout the entirety of 2023. To learn a little bit more about how Piper Aircraft is working to keep up with industry and flight training demands, I reached out to UND Alum ('21), and Piper Aircraft employee, Carly Shukiar.



Carly insisted that the pilot and aircraft demand, especially in the training sector, is well-known at their manufacturing plant in Vero Beach, Florida. "Piper takes pride in providing flight schools across the nation with safe and technologically advanced aircraft to help train the pilots of tomorrow," said Carly. "That being said, we, along with many other OEMs (Original Equipment Manufacturers), are experiencing longer lead times as the demand for pilots has increased. Typically, when the industry needs more pilots, they need more airplanes, too. However, we are constantly looking at ways we can expand efficiency and production capacity on our production line.

As a result, last year, we had a 15% increase in aircraft deliveries over 2021, with plans to deliver even more aircraft this year and beyond. We're also hiring more and more skilled labor here in Florida, and now with over 1100 employees, we're proud to be the largest public employer in Indian River County." I was thankful for the opportunity to gain insight on aircraft production for UND's flight line and those of similar schools. It is clear that cooperation between companies like Piper and flight schools like UND is not only of mutual benefit for both parties involved, it is beneficial to the aviation industry as a whole.

# Updates from SAAC

## Aerospace Mentorship Program

From all of us at SAAC, we would like to thank all of our Aerospace Mentors for their hard work over the past year as we launched the revamped Aerospace Mentorship Program. The impact they have made on our first-year students is remarkable.

In partnership with the Aerospace Alumni Advisory Board, we have created the **Industry Mentorship Program** which will allow upperclassmen to be paired up with a mentor from the industry who will guide them throughout their academic career and beyond. More information can be found at this link:

<https://undaaabmentor.my.site.com/students/s/>

In order to distinguish the two programs, the mentorship program for first-year students will now be called the "**Collegiate Mentorship Program**".

**We are opening up applications for new mentors for the Collegiate Mentorship Program** for SY 23-24. Interested students are required to be an Aerospace Major and complete at least 3 semesters at JDOSAS. The application can be found on our website at: <https://saac.aero.und.edu/mentorship-program>

## Graduating Seniors:

Congratulations! From everyone on SAAC, we wish you the absolute best in all your future endeavors. You have worked so hard over the last few years and your dedication doesn't go unnoticed. Through hard classes, tough instructors, and everything in between you persevered and made it to the end. Whether Grand Forks is home for you or you are moving across the world, remember that your UND family is so proud of you and always wishes you clear skies!

We also say goodbye to members Ryan Peene, Elizabeth Mislán and Cassidy Holth who will be graduating from the council this semester. We thank you for your service to the students of the Aerospace College!

## Contact SAAC:

### Website:

[saac.aero.und.edu](http://saac.aero.und.edu)

### Email:

[saacskyward@gmail.com](mailto:saacskyward@gmail.com)

### Facebook:

[Facebook.com/saacund](https://www.facebook.com/saacund)

### Instagram:

[saac.aero.und](https://www.instagram.com/saac.aero.und)

### Suggestion Box:

Odegard 101

### Meetings:

Sundays at 4:00PM Robin 136