



# ***WEATHER REPORTING IN THE NAS: CURRENT AND FUTURE NEEDS***

**PANEL 3, PRESENTATION 4**

**JUSTIN HILLIARD / UPSFF**

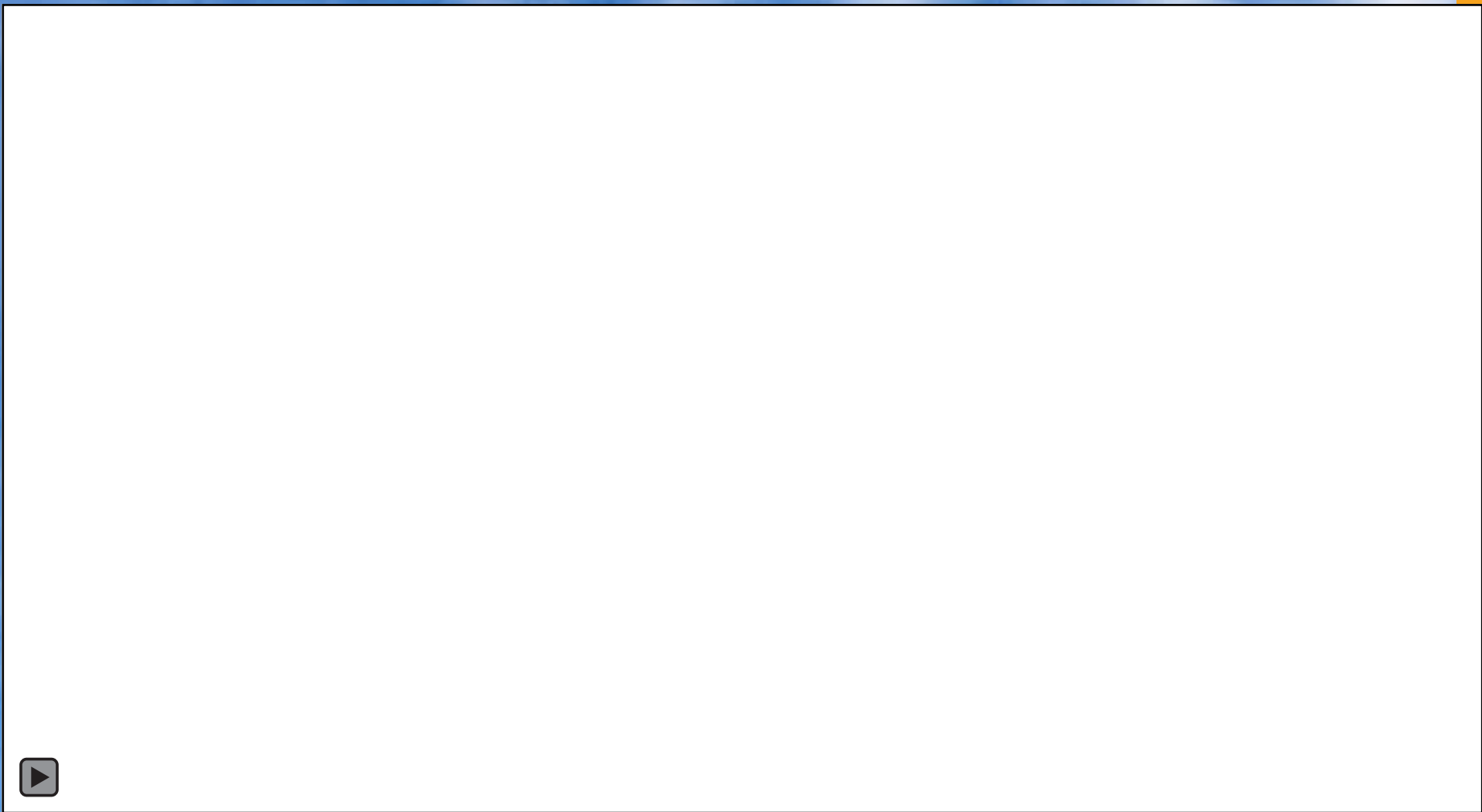
# UPS FLIGHT FORWARD FPAW 2020

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Operations Manager and Chief Meteorologist

## UPS FLIGHT FORWARD – MEDICAL TRANSPORT

- Normal drone operations fall under Part 107 regulations. UPS is the first fully certified Part 135 drone airline
  - Allows flight over people and moving vehicles
  - Allows flight beyond visual line of sight
  - Allows package transport for hire
- Takeoff from hospital location where medical specimens are taken
- Deliver specimens to lab for testing
- Lab efficiency increased; patient test results turned around in fraction of the time
- Carbon footprint reduced by not using ground courier







A white UPS drone is shown in flight, positioned centrally in the frame. It has four rotors and a black battery pack with the UPS logo on the bottom. The drone is flying in front of a modern building with large glass windows. A semi-transparent white rectangular box with an orange border is overlaid on the center of the image, containing the title text.

# UPSFF AND WEATHER

How will we acquire accurate/certified/acceptable weather briefings?

## THE CHALLENGE

- UAS launch points, by nature, are being kept away from airports
- As operations safety numbers increase, proximity to airports will increase
- Until then, most ongoing and “new idea/proposal” operations will remain outside controlled airspace (at least 5 mi from airports)
- Current AWOS/ASOS observations are not technically valid or accurate for urban sites outside the terminal area (5mi radius)