

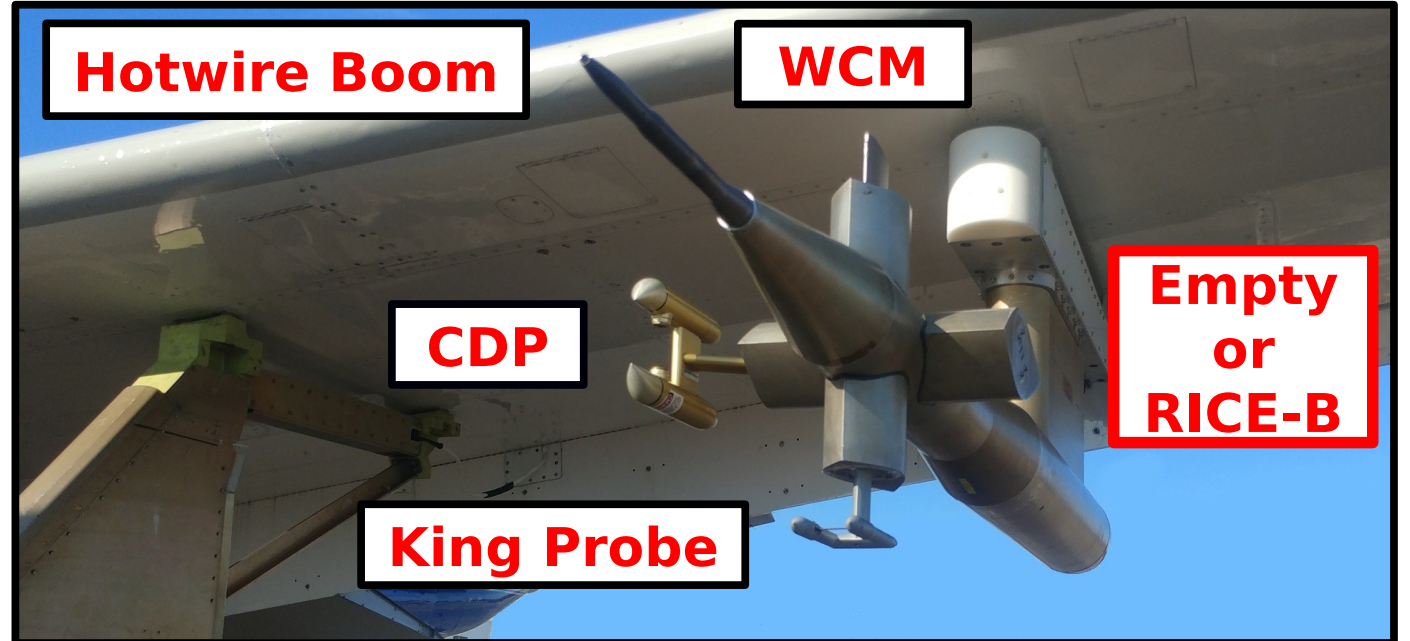
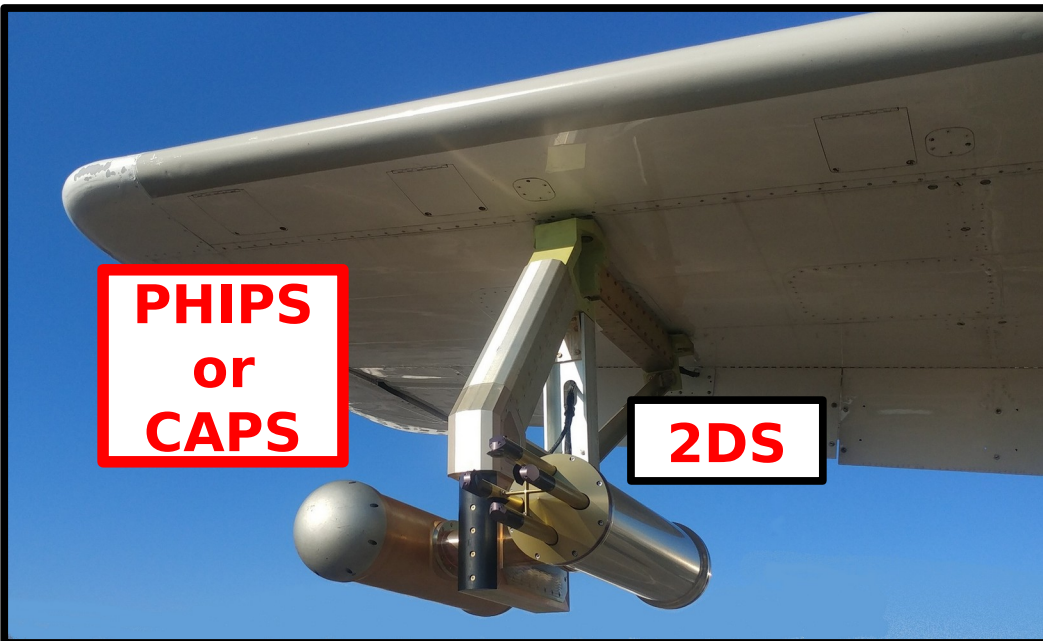
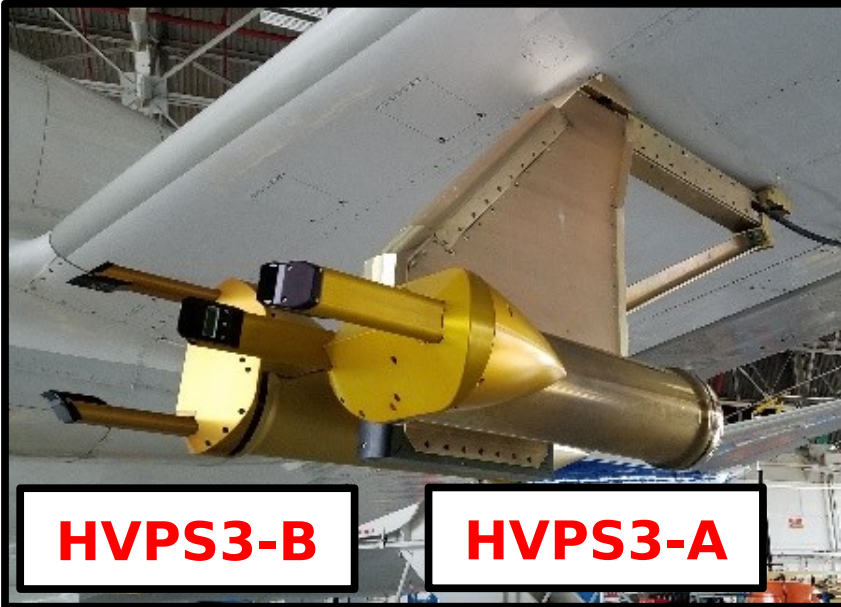
# IMPACTS 2023 Cloud Probes Status and Updates

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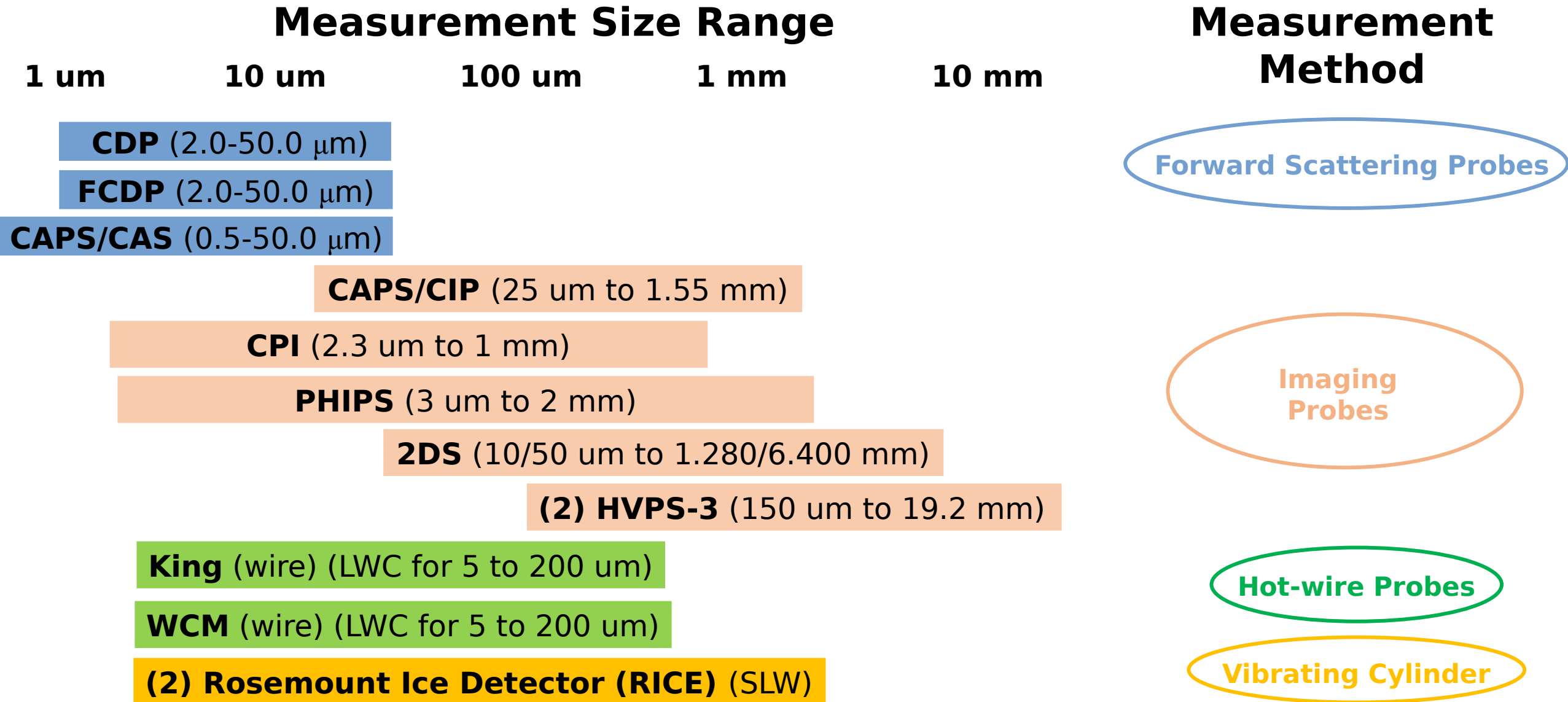




# IMPACTS Cloud Probes



# IMPACTS 2022 Cloud Probes



# Instrument Status

- Quality assurance is being completed for 2022.
- CDP and 2D-S (including leak) have been repaired.
- All probes have been checked and calibrated.
- WCM and CDP have been tested in the University of North Dakota lab.
- The review of the 2D-S and HVPS3 is pending.
- New UPS has been installed in cloud probe instrument rack.

# 2022 Deployment Science Flights

	1/14	1/17	1/19	1/28	1/29	2/3	2/4	2/8	2/13	2/17	2/19	2/25
<b>CDP</b>	Failed	NA	NA				PA					
<b>WCM</b>							PA	NA				
<b>King</b>							PA					
<b>RICE</b>							PA					
<b>Hawkeye</b>												
<b>2D-S</b>	NA	NA	NA	Failed	NA	NA	NA					
<b>HVPS-3A</b>		NA	NA									
<b>HVPS-3B</b>												

## Notes:

NA - Not Available

PA - Partially Available

1/14 - CDP Failed Upon Take-off

1/29 - 2D-S Failed

2/4 - M300 Data System Failed Mid-flight

2/8 – 2/25 – 2D-S Leak Issue

# 2023 Upload

- Reasonable to plan for **three weeks** as all past uploads required this much time.
- We required sufficient time to have any issues resolved and possible repair completed before December test flights.
- University of North Dakota personnel are available October 3 – 21.
- Populated racks and all probes will be sent to arrival 1 week before upload.