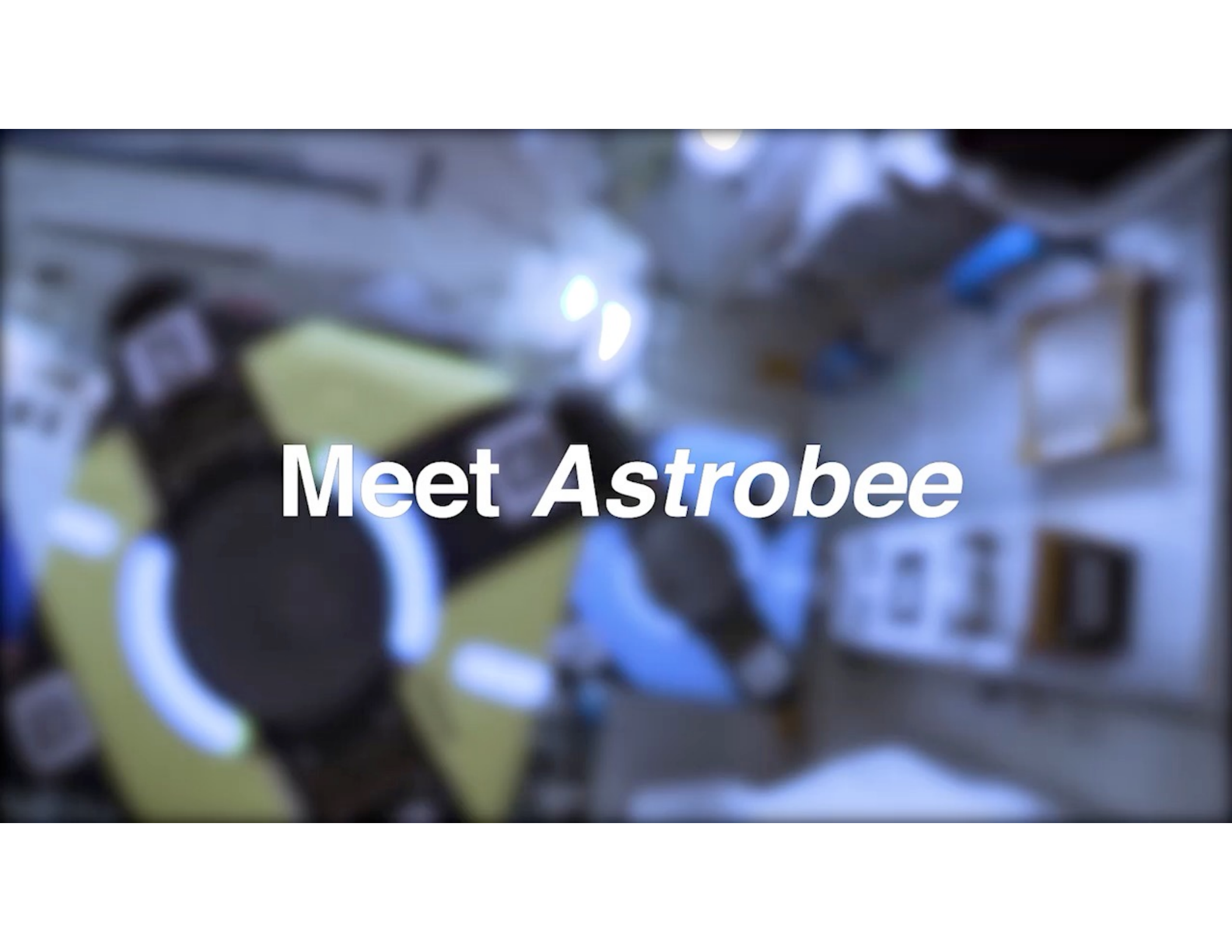




Fun with Robots: Videos

Questions?



Meet *Astrobee*



Simulated Kibo-RPC Trajectory



Astrobee Engineering Workbench

Overview Guest Science Run Plan Teleoperate Advanced Guest Science Engineering Other Debugging Video Plan Editor Modeling

Docking Station ☒ GPS

Astrobee Selection and Status

Name	Comm	Health	Batt	Control	Summary	Plan	Plan Status	Plan Step	APK	APK Status
Bsharp	☒	☒	☐							
☒ Bumble	☒	☒	☒	Station/Bumble		No Plan Loaded	Idle		BatteryDisplay	Idle
Honey	☒	☒	☐							

Health Details

Commanding for Bumble

Grab Control

Plans

Select and Load Plan...

Run Plan Station Keep Bee

APKs

Checkout Start APK Stop APK

Manual Commanding

APK Template

Checkout 13: demo_without_KOZ

Command

("name": "13: demo_without_KOZ")

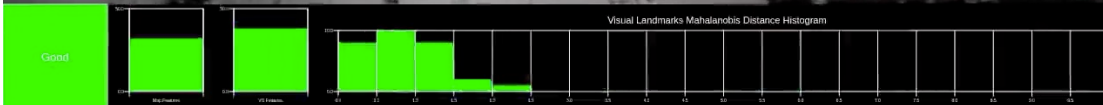
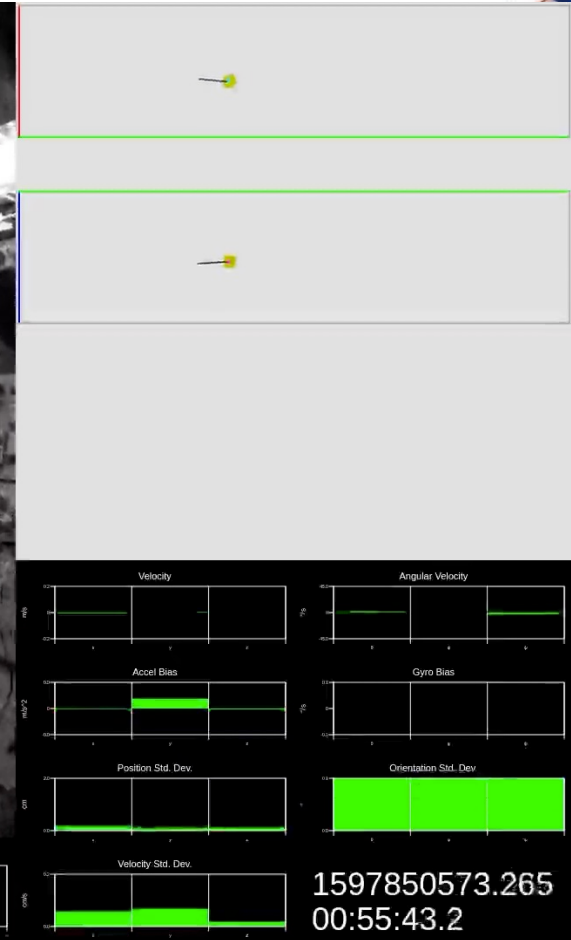
Send Command

Live Telemetry Live Images Live Video Guest Science Telemetry Guest Science Data

10:32:00 - Bumble: 1.5 Translate: 11.1, -7.99, 5.4; Rotate: -0.5, -0.5, -0.5 Pending



Example Localization Performance





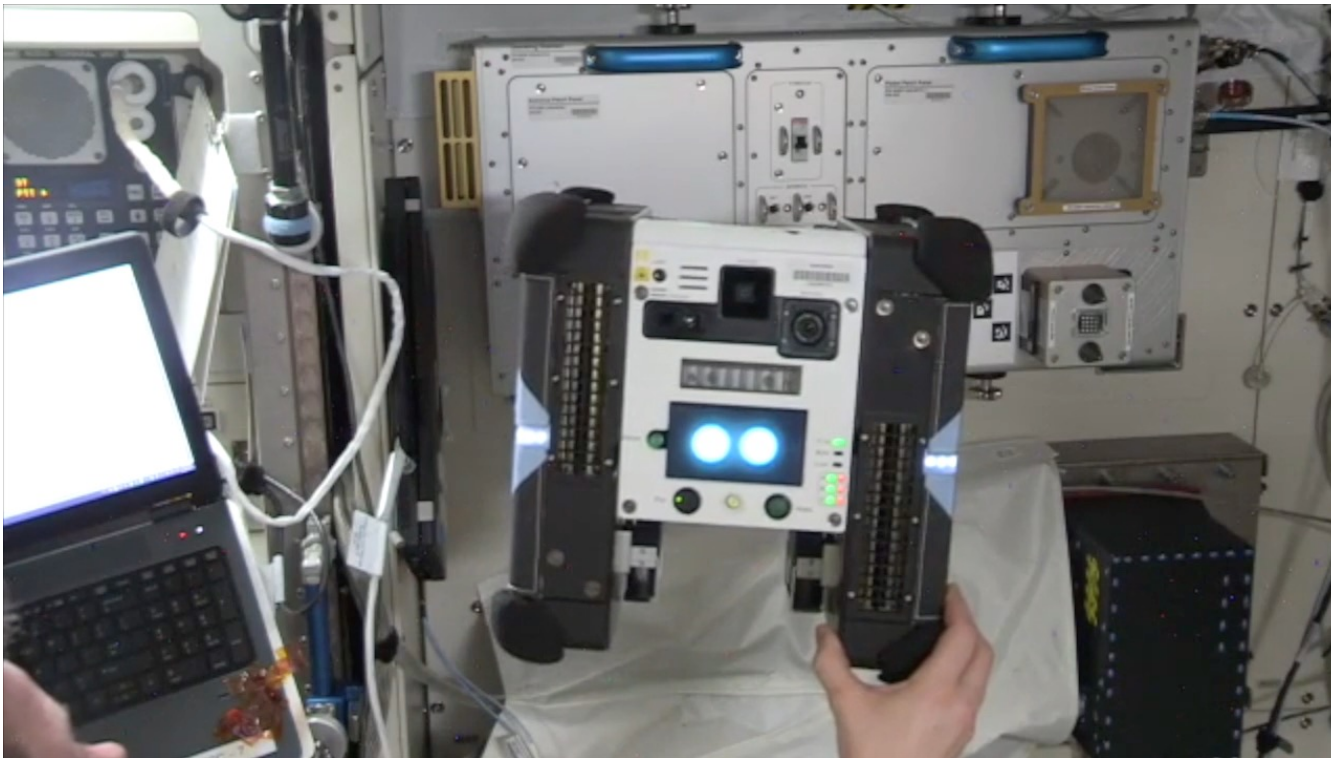
Kibo-RPC Finals



- https://youtu.be/UhTz_ukm1cE (2hr)
- <https://youtu.be/B0-ZJaAdNDw> (2 min trailer)
- October 8th 2020



Bumble Checkout





IMU Calibration



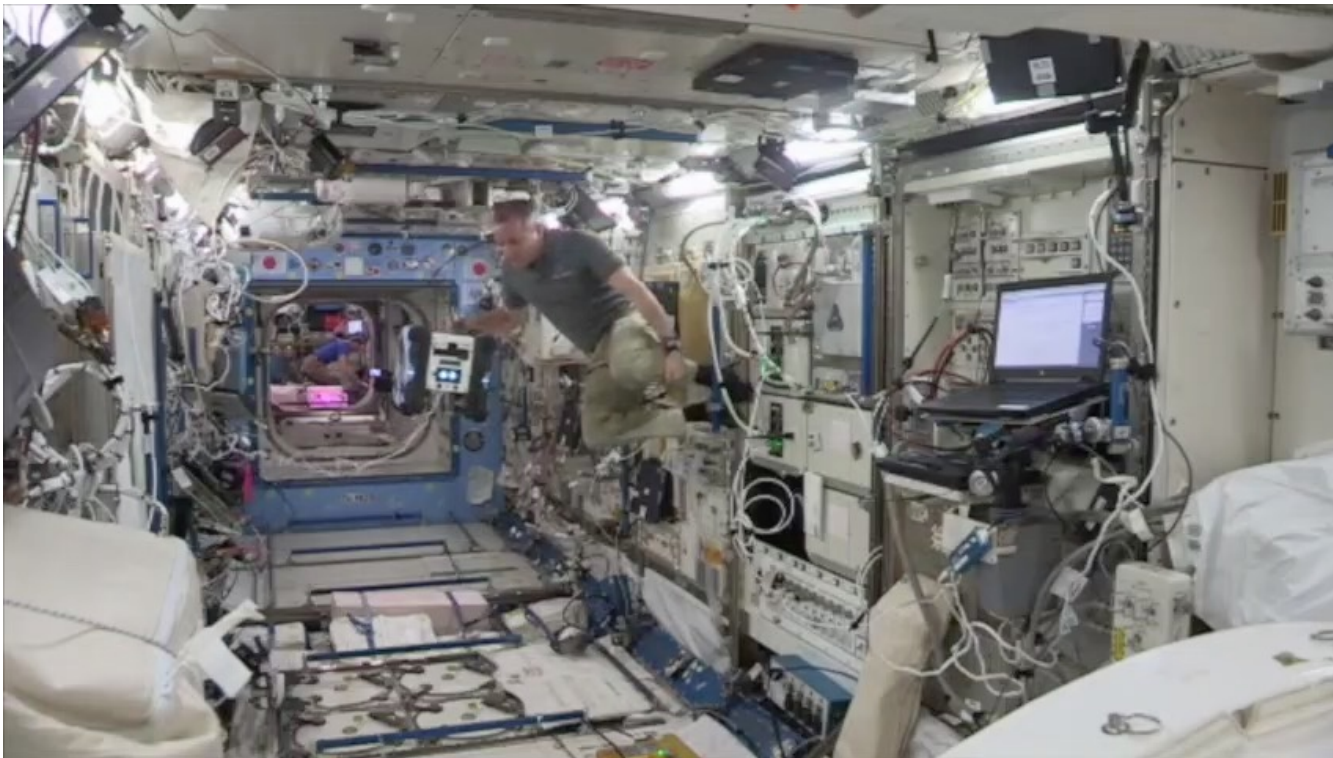


1st Flight





Stopping Ability





1st Autonomous Undocking





1st Autonomous Docking





Fun with Robots



Questions?