



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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
<input checked="" type="checkbox"/> Bumble	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ControlSubmits		No Plan Loaded	OK		BatteryDisplay	OK
Honey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>							

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"]

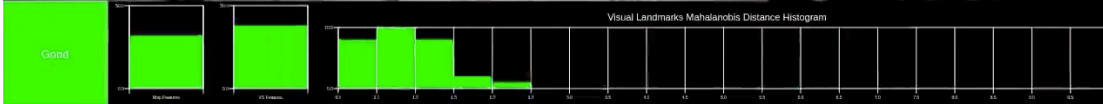
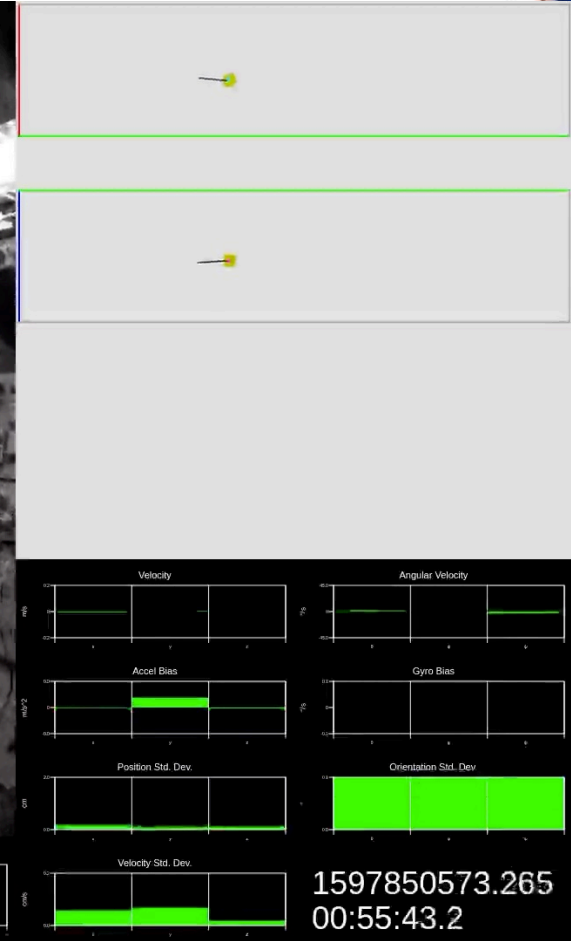
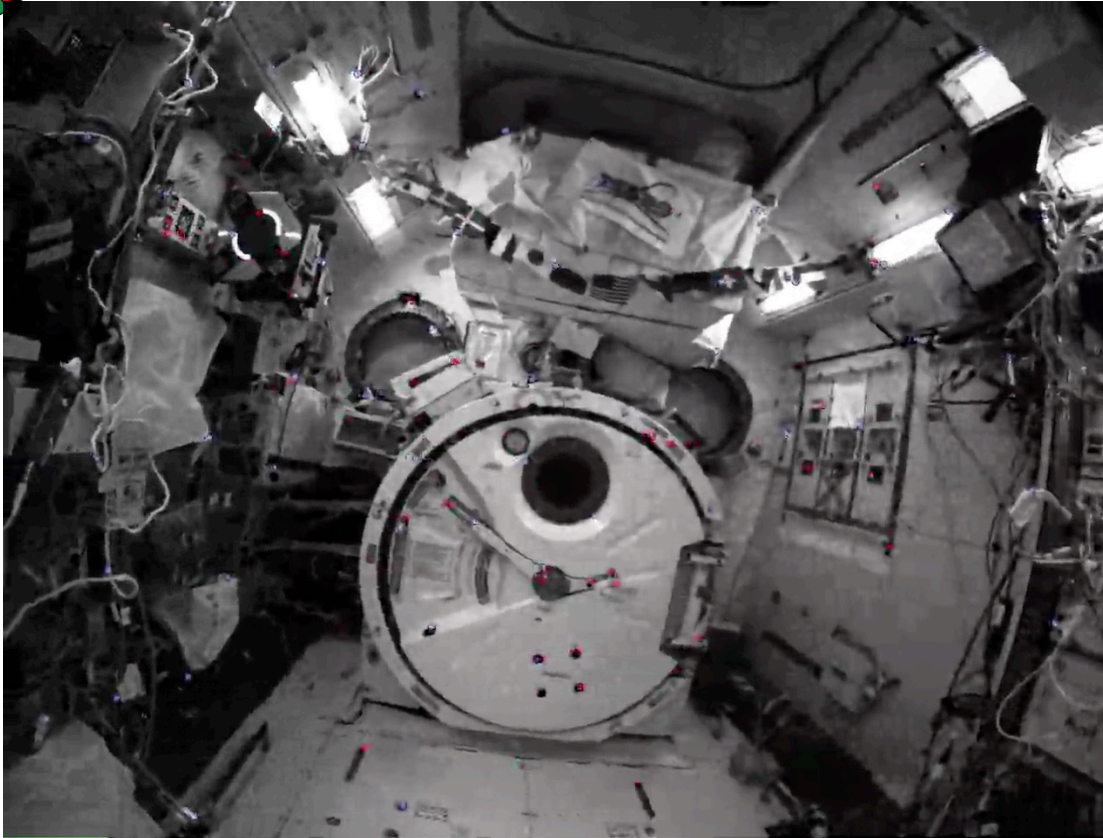
Send Command

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

03:12:00 Bumble: 1.5.5 Translate: 11.1, 7.99, 5.4; Rotate: -0.5, 0.5, -0.5, 0.5 Pending



Example Localization Performance





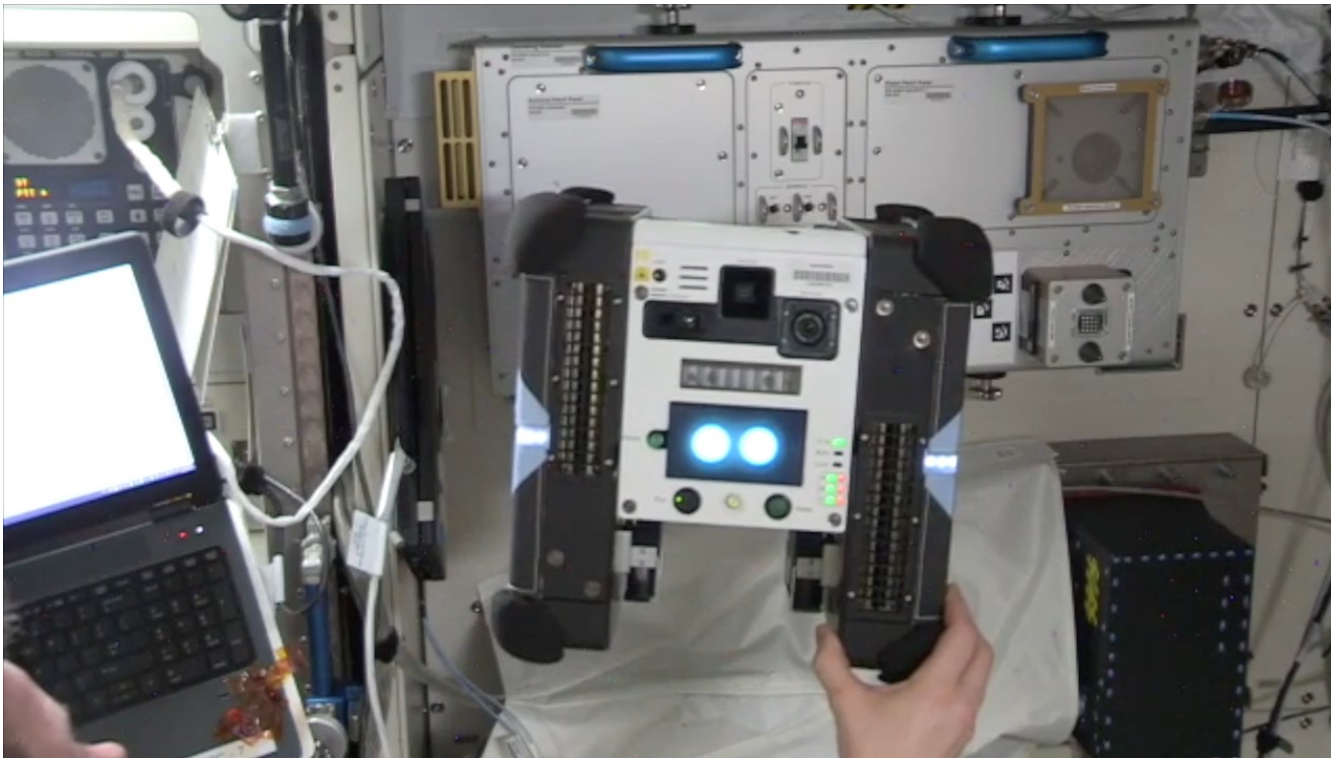
Kibo-RPC Finals



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



Bumble Checkout





IMU Calibration



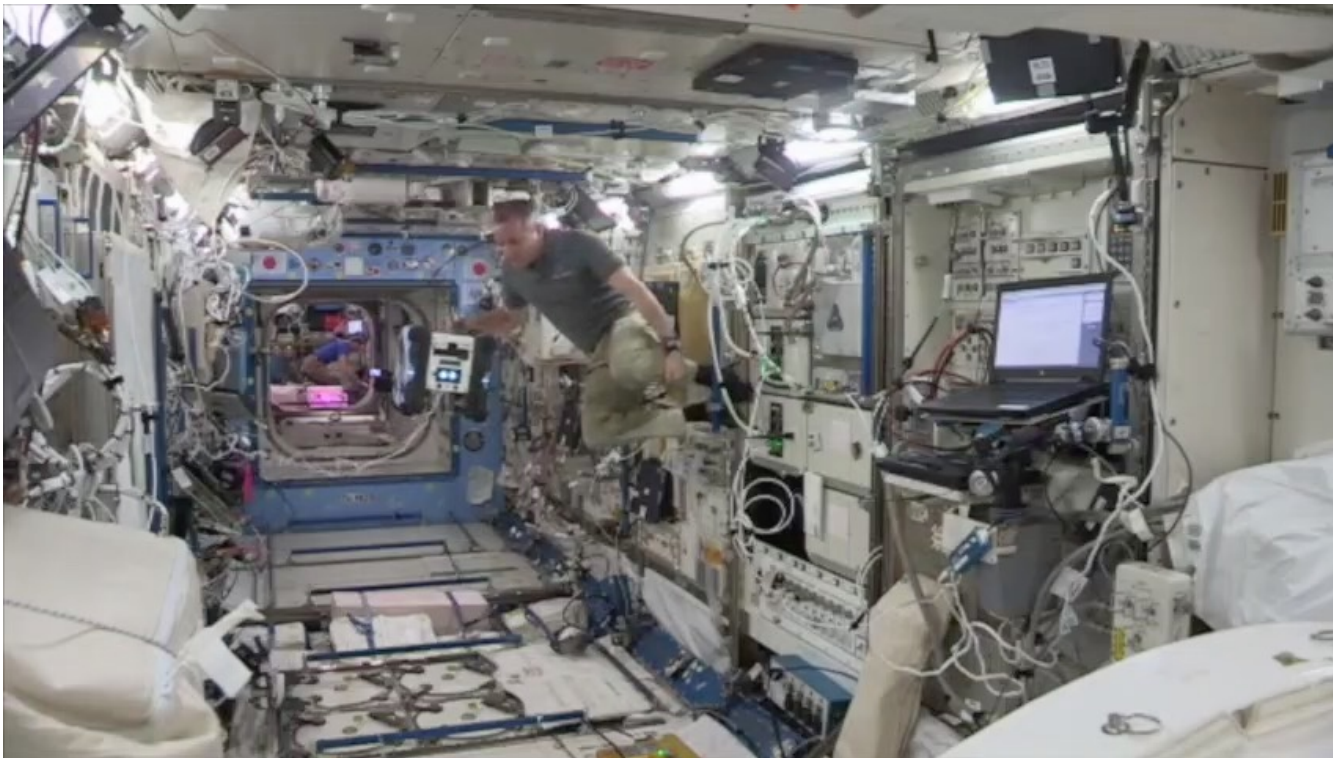


1st Flight





Stopping Ability





1st Autonomous Undocking





1st Autonomous Docking





Fun with Robots



Questions?