

HCI Master Class, Agenda v4

November 20 1-5pm

@STSci <https://outerspace.stsci.edu/display/MCG/Workshop+Schedule>

1:00 - 1:30 GENERAL HCI PRESENTATION + questions (20+5min) Julien Girard

- Rational, Science cases, HCI Modes vs use case(s) / parameter space
- Roadmap walk through: one single roadmap for HCI

1:25 - 5:00 HANDS ON SESSION

1:25 - 1:45 Common HCI Exercise (20 min) Julien Girard

- Reference star selection examples
 - Exercise: find a brighter star within 1° using SearchCal and/or Simbad

1:45 - 2:45 NIRISS AMI (1h) Deepashri Thatte

- AMI specifics (15 min)
- ETC Exercises (20 min)
- APT Exercises (15 min)

2:45-3:15 COFFEE BREAK / REFRESHMENTS (30 min)

3:15 - 4:30 Coronagraphy Hands-On Part 1 (1h15) Julien Girard / Tony Roman / Beth Perriello

- CVT + 1 exercise: find right timing constraints (15 min)
- ETC + exercises on HR8799bcde, starting from workbook (40 min)
- APT + smart accounting (20 min)

4:30-4:35 SHORT BREAK (5 min)

4:35 - 5:00 Limitations & high(er) fidelity calculations (25 min) Julien Girard / Bryony Nickson

- PanCAKE Presentation & Demo (20 min)
- Discussion / questions / Adjourn (10 min)