

The Transient Universe with JWST: Schedule

Tuesday Jan. 17

9:00 - 10:00: Registration + coffee.

10:00 - 10:10: Charles Alcock: opening remarks.

10:10 - 10:20: Or Graur: introduction and logistical remarks.

Session 1 - STScI JWST talks

10:20 - 10:50: Lou Strolger: Cycle 1 and DD-ERS.

10:50 - 11:20: Tea Temim: MIRI.

11:20 - 11:30: Quick break.

11:30 - 12:00: Armin Rest: Near-IR instruments.

12:00 - 12:30: Amber Armstrong: APT demonstration.

12:30 - 13:30: Lunch (served in Phillips).

Session 2 - Brainstorming 1: Science questions

This session will be devoted to identifying scientific questions that can be addressed with JWST in three broad subfields: (1) supernova cosmology and high-redshift surveys; (2) nova and supernova physics and progenitors; (3) GRB, superluminous supernovae, TDEs, and GW followup. Each group will present its findings in brief, 15+10-minute presentations.

Things to keep in mind: (1) JWST's unique capabilities (e.g., mid-IR, IFU, resolution); (2) focus on the first few years of JWST (i.e., not questions that would require a decade of observations); (3) JWST's role vis a vis followup vs. discovery; (4) JWST in the era of LSST, ZTF, etc.

13:30 - 15:00: Group discussion.

15:00 - 15:20: Break.

15:20 - 16:00: Group wrap-up and presentation preparation.

16:00 - 17:30: Group reports and discussion.

17:30 - 18:00: Discussion of what's gone missing.

18:30 or 19:00: Workshop Dinner.

Wednesday Jan. 18

8:00 - 9:00: Coffee.

Session 3 - Brainstorming 2: Cycle 1 proposals

Which of the science questions from yesterday's brainstorming session could be addressed by JWST during the mission's first years (i.e., Cycle 1-2 programs)? The same groups will discuss: (1) general ideas for JWST programs (with emphasis on Cycle 1); (2) ways in which transient science can be piggybacked on to broader observational programs (e.g., the HST Frontier Fields).

9:00 - 10:30: Group discussion.

10:30 - 10:50: Coffee Break.

10:50 - 11:15: Group wrap-up and presentation preparation.

11:15 - 12:30: Group reports and discussion.

12:30 - 13:30: Lunch (served in Phillips)

Session 4 - Brainstorming 3: DD-ERS proposals

In the same groups, we will discuss: (1) Is DD-ERS a viable option for transient science, or should we concentrate on Cycle 1? (2) Should we, as a community, concentrate on 1-2 DD-ERS programs? If so, centered on which questions? (3) Would we be better served by coming up with transient-centered proposals or by piggybacking onto other programs? (4) Are there ways in which such proposal(s) could serve multiple science goals within transients (or beyond).

13:30 - 14:30: Group discussions.

14:30 - 15:15: Open discussion.

15:15 - 15:30: Or Graur: workshop summary.

15:30: Workshop adjourns.