



SOFIA School 2022: Understanding Mid- and Far-IR Data

February 2–4, 2022

Wednesday, February 2 The Landscape of Mid-Far IR: Measuring Flux, SED and Line Brightness		
Time (Pacific)	Speaker (Affiliation)	Presentation Title
8:00–8:30am	Margaret Meixner (SOFIA)	The Landscape of Mid-Far IR Data and Observatories
8:30–9:00am	Luisa Rebull (IPAC)	Quick Look Functionalities Through IRSA
9:00–9:10am	10 minute break	
9:10–9:40am	Emma Beasor (NOIR Lab)	Determining Stellar Parameters with FORCAST
9:40–10:00am	Skarleth Motino-Flores (SOFIA)	Nearby Galaxies Photometry, SED Modeling and Dust Temperature
10:00–10:15am	Dario Fadda (SOFIA)	Telluric Absorption at FIFI-LS Wavelengths
10:15–10:25am	10 minute break	
10:25–10:55am	Jessica Sutter (SOFIA)	Comparing [CII] to Important ISM Indicators
10:55–11:25am	Mélanie Chevance (Heidelberg)	Multi-Phase Structure and Physical Conditions of the Low-Z ISM
Thursday, February 3 Dust: Morphology, Spectroscopy, Polarimetry		
Time (PDT)	Speaker (Affiliation)	Presentation Title
8:30–9:00am	Chick Woodard (U Minn)	Grism Spectroscopy in a Star's Environment, Spectral Fitting and Dust Mineralogy
9:00–9:30am	Matt Hankins (Arkansas Tech)	Large-Scale Imaging of Dust in the Galactic Center, Characterizing Diffuse Morphology
9:30–9:40am	10 minute break	
9:40–10:10am	Sachin Shenoy (SOFIA)	How to Understand HAWC+ Data
10:10–10:40am	Terry Jones (U Minn)	Observing Magnetic Fields with Interstellar Polarization
10:40–10:50am	10 minute break	
10:50–11:20am	Jordan Guerra (Villanova)	What Polarimetric Data Can Tell Us — Magnetized Turbulence
Friday, February 4 Gas in the ISM: Composition and Kinematic Structure		
Time (Pacific)	Speaker (Affiliation)	Presentation Title
8:00–8:30am	Curtis De Witt (SOFIA)	How to Recognize and Calibrate out Artifacts from Terrestrial Contribution
8:30–9:00am	Archana Soam (Indian Institute of Astrophysics) & Janik Karoly (UCL)	A Rotational Ladder in IC63
9:00–9:10am	10 minute break	
9:10–9:40am	David Neufeld & Arshia Jacob (Johns Hopkins)	Determining Column Densities from Absorption Line Spectroscopy
9:40–10:10am	Juan Luis Verbena (University of Cologne)	Understanding GREAT Data Products
10:10–10:20am	10 minute break	
10:20–10:50am	Maitrayee Tiwari (U Maryland)	Kinematics in Massive Star Forming Regions
10:50–11:20am	William Reach (SOFIA)	Velocity-Resolved Spectroscopy of Shocks