

MSU Solar Physics 2015 REU Final Presentation

August 5, Wednesday, EPS-258

9:00 – 9:15 Zachary Werginz (Munoz and Longcope)

"Tracking Magnetic Regions on the Sun"

9:15 – 9:30 Matthew Thornton (Longcope)

"Simulating Shocks in Solar Flares"

9:30 - 9:45 Josiah Lapolla (Unverferth and Longcope)

"Modeling the Effects of Magnetic Field Variation on Solar Flares"

9:45 - 10:00 Marika McCarthy (McKenzie)

"Measurements of Magnetic Reconnection to/from Emerging Active Regions"

10:00 - 10:15 Jon Slater (Shaw)

"Optical Instruments for Solar Eclipse Measurements: Spectro-Polarimeter"

10:15 - 10:30 Gillis Kendra (Shaw)

"Multi-wavelength Aurora Detector"

10:30 – 10:45 Logan Carpenter (Shaw)

"Development and Calibration of a Solar Radiometer"

10:45 – 11:00 Reyann Joiner (Klumpar)

"Pitch Angle Distribution and 3D Rigid Body Rotation Analysis of FIREBIRD-II"

11:00 – 11:15 Tyler Croteau (Klumpar)

"Space Weather and Radiation Multi-point Magnetometry (SWaRMM): Cube Satellite Mission Design Study"