

3rd SUIIT Science Meeting

October 17-19th, 2023

October 17, 2023

- 14:30 – 14:35 – Welcome and the start of the meeting – [Durgesh Tripathi](#)
14:35 – 14:40 – Remarks by Director – [R. Srianand](#)
14:40 – 14:45 – Remarks by the Instrument PI and payload manager – [A N Ramaprakash](#)
14:45 – 15:00 – Remarks by SSMP members
15:00 – 15:20 – Presentation by Project Scientist – [P. Sreejith](#)
– Top-level science Overall design, configuration, possible modes etc.
15:20 – 15:40 – In-lab Optical Performance of the instrument – [Janmejoy Sarkar](#)

15:40 – 16:10 – Break

- 16:10 – 16:30 – Forward modelling of SUIIT observations using MuRAM and IRIS – [Soumya Roy](#)
16:30 – 16:50 – Update on the data pipeline development – [Rahul, G., Nived, V N, and Rushikesh D.](#)
16:50 – 17:10 – Magnetic field diagnostics to provide context to SUIIT observations – [Dibyendu Nandi](#)
17:10 – 17:30 – Waves and oscillations in sunspots with SUIIT – [Girjesh Gupta/Aishawnniya Sharma](#)

October 18th, 2023

- 14:30 – 14:50 – Evolution of Spatially Resolved Solar Spectral Irradiance with SUIIT – [Natalie Krivova](#)
14:50 – 15:10 – Evolution of Mg II core and wing (including Mg II index) in different features in the solar atmosphere and Comparison of Mg II and Ca II using near-simultaneous observations from SUIIT in different features – [Megha Anand](#)
15:10 – 15:30 – Simultaneous observations between SUIIT and MAST Ca II data along with Fe I – [Shibu Mathew](#)
15:30 – 15:50 – Evolution of f-modes using SUIIT data – [Nishant Singh](#)

15:50 – 16:20 – Break

- 16:20 – 16:40 – Solar Flare Dynamics: spectral energy distribution in NUV during solar flares – [Soumya Roy](#)
16:40 – 17:00 – Condensations in Solar Flares – [K. Sankarasubramanian](#)
17:00 – 17:20 – Formation and evolution of Sunspots in different layers of the Solar Atmosphere – [P. Sreejith](#)
17:20 – 17:40 – Filaments dynamics such as oscillations and instability – [Nandita Srivastava](#)

October 19th, 2023

- 14:30 – 14:50 – Long-Term Dynamical evolution of filaments – [Dipankar Banerjee](#)
14:50 – 15:10 – Dynamics of chromospheric bright points and jets - combined with Magnetic Field – [Abhishek Srivastava](#)
15:10 – 15:30 – Thermodynamics of Network and Plages – [Theo Chatzistergos](#)
15:30 – 15:50 – Studies of Coronal Rain using SUIIT – [Vaibhav Pant](#)

15:50 – 16:20 – Break

- 16:20 – 16:40 – Propagation and shocking of the magneto-acoustic waves in different structures in the solar atmosphere – [Nived, V. N.](#)

16:40 – 17:00 – Discussion and summary