

Space Climate School 30.3.-3.4. 2016

Day 1. - Wednesday 30.3.

08:30-09:00	Welcome, Introduction, Overview of school, practicalities etc. <i>Ilya Usoskin, Kalevi Mursula</i>
09:00-10:30	Solar observations <i>Aimee Norton</i>
10:30-11:00	Coffee break
11:00-12:00	Climate data <i>Ari Laaksonen</i>
12:00-15:00	Lunch and Hands/feet on snow (Free time, outdoor activities)
15:00-16:30	Solar databases <i>Alexei Pevtsov</i>
16:30-17:00	Coffee break
17:00-19:00	Hands-on session with solar & heliospheric databases <i>A. Pevtsov, David Perez-Suarez (Helio, Solar Monitor, Helioviewer..),..</i>
19:00->	Evening activities

Day 2. - Thursday 31.3.

08:30-10:00	Historical solar observations <i>Rainer Arlt</i>
10:00-10:30	Coffee break
10:30-12:00	Big data in solar observations <i>Ilaria Ermolli</i>
12:00-15:00	Lunch and Hands/feet on snow (Free time, outdoor activities)
16:00-16:30	Coffee break
16:30-17:30	Geomagnetic observations (instrumentation, calibration, data processing) <i>Kari Pajunpää</i>
17:30-19:30	Climate data, methods and science <i>Achim Drebs</i>
19:30->	Evening activities

Day 3. – Friday 1.4.

09:00-10:30	Statistical error estimation <i>Harry Lehto</i>
10:30-11:00	Coffee break
11:00-12:00	TSI/SSI Observations <i>Greg Kopp</i>
12:00-15:00	Lunch and Hands/feet on snow (Free time, outdoor activities)
15:00-16:00	Cosmic rays and cosmogenic isotopes <i>Ken McCracken</i>
16:00-17:30	Space databases (Incl. real-time databases) <i>David Berghmans</i>
17:30-18:00	Coffee break
18:00-19:30	Hands on session with space environment data <i>David Berghmans, Ilpo Virtanen,...</i>
19:30->	Evening activities

Day 4. - Saturday 2.4.

08:00-10:00	Models of solar irradiance <i>Natalie Krivova</i>
10:00-10:30	Coffee break
10:30-12:00	Statistics and clustering of extreme space climate events <i>Alexander Ruzmaikin</i>
12:00-15:30	Lunch and Hands/feet on snow (Free time, outdoor activities)
15:30-17:00	Time series prediction <i>Jaakko Hollmen</i>
17:00-17:30	Coffee break
17:30-19:00	Hands-on practice session with statistical methods <i>Jaakko Hollmen, Lauri Holappa, Nigul Olsper,...</i>
19:30->	School dinner

Day 5. - Sunday 3.4.

- 08:30-10:00 Time series analysis methods
Jaan Pelt
- 10:00-10:30 Coffee break
- 10:30-11:30 Long-term homogeneity and inter-calibration of datasets
Timo Asikainen
- 11:30-13:00 Hands-on practice session with geomagnetic data and Substorm Zoo
Eija Tanskanen
- 13:00-13:01 Closing words, end of school
- 13:01-15:00 Lunch