

Key events in the history of astronomy

Fall term 2020/21 (13 Nov 2020 – 5 Feb 2021)

Digital/online or in seminar room Schillergäßchen 2, AIU (*)

Module „Historische Astronomie“, 4 ECTS, every second week

Lecture fridays 14:00h s.t. – 15:30h

Seminar fridays 15:30h – 17:00h
(examples, exercises, seminar talks from students)

Useful for students of all faculties

Chair: Prof. Dr. Ralph Neuhäuser

Topics:

Fri, 13 Nov: The Almagest, Ptolemy's astronomy text book (2nd cent.)

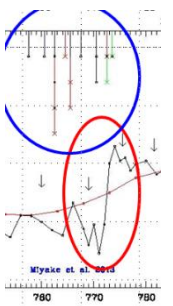
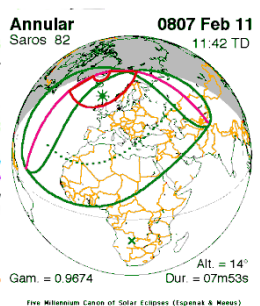
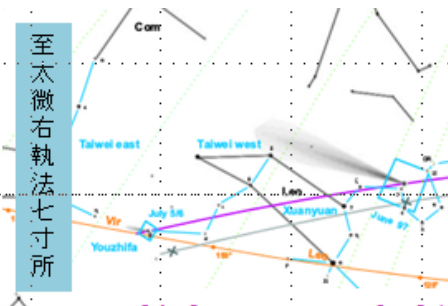
Fri, 27 Nov: Introduction to traditional Chinese astronomy

Fri, 11 Dec: Carolingian Renaissance of astronomy (AD 760-845)

Fri, 8 Jan: What happened in AD 775? Strong radiocarbon variation –
solar flare, supernova, gamma-ray burst ... ?

Fri, 22 Jan: The Galactic supernovae in AD 1006 and 1054

Fri, 5 Feb: A long way to the heliocentric world view (Aristarchos, Macrobius,
Abū Ma'shar, Copernicus, Brahe, Marius, Galileo, Kepler, Newton)



(*) probably digital/online, but maybe in in-person mode, depending on the number of students and only, if all students agree. Lecture and seminar will be given once every two weeks in English; if requested, it will also be given once every other second week in German.