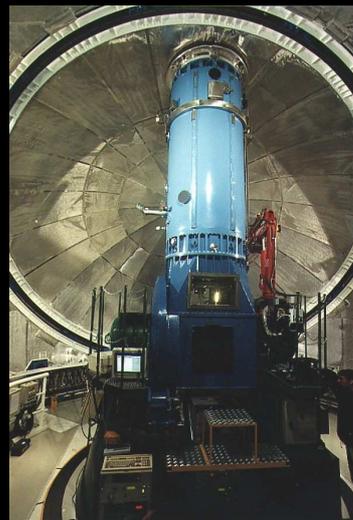
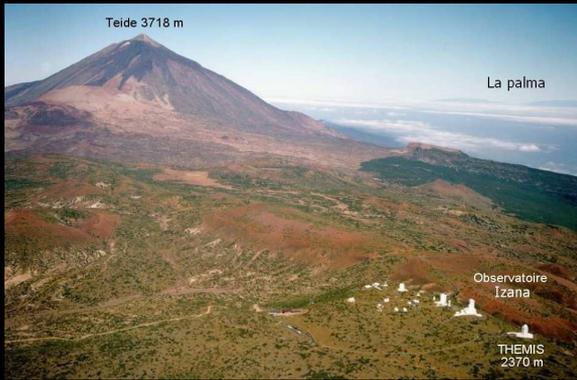
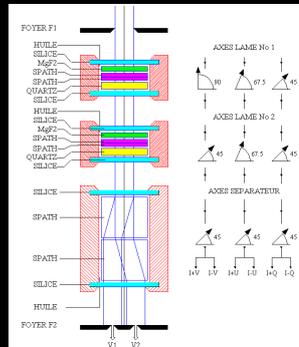


THEMIS solar telescope, Teide Observatory (2370 m), Tenerife, Canary Islands

France (CNRS/INSU), Italy (CNR), Spain (IAC)

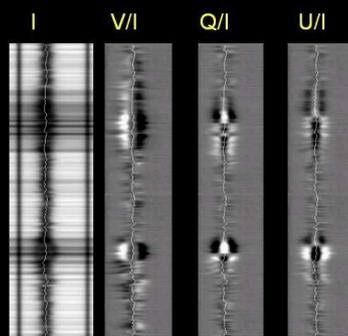


The 90 cm Ritchey Chrétien Telescope

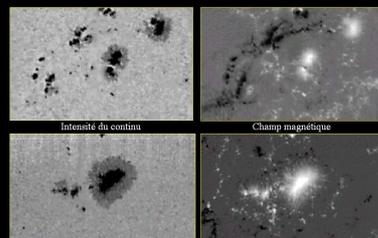


The Full Stokes polarization analyser →

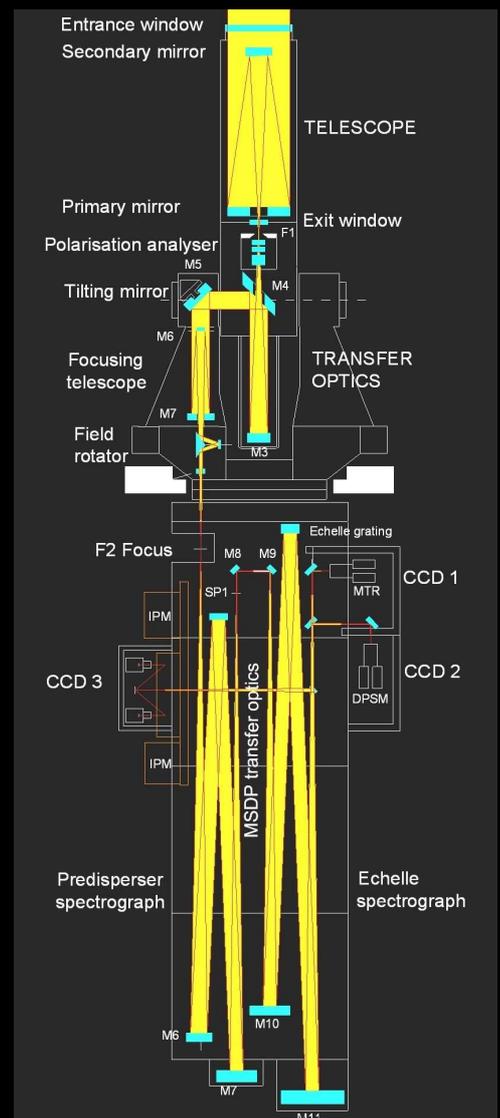
- 2 achromatic quarter waveplates
- Spath polarizing beam splitter



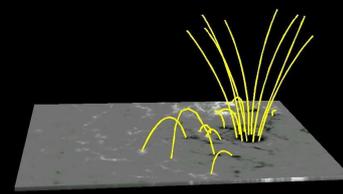
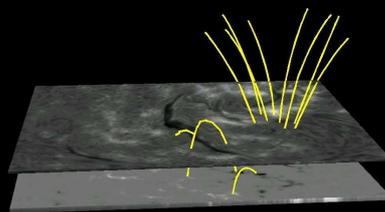
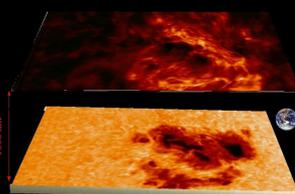
Full Stokes spectropolarimetry of an Active region in Fe I 630.25 nm



Magnetic fields of active regions



The telescope ($f/D=17$), transfer optics ($f/D=60$), and the two spectrographs operating in Single Pass (MTR mode) or in Multichannel Subtractive Double Pass (MSDP mode)



THEMIS allows to determine the vector magnetic fields at different altitudes in the solar photosphere and chromosphere from multi line spectropolarimetry