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### Temperature and velocity structure of an active region plage: observations from MAST

We analyse chromospheric observations of NOAA AR 12765, which were acquired using a narrow-band imaging spectrometer installed with the 50-cm MAST at the Udaipur Solar Observatory. The active region included a large plage region in the vicinity of a sunspot, and we employed the NICOLE inversion code to determine 2D maps of temperature and velocity as a function of height. Photospheric vector magnetograms from SDO/HMI were used to ascertain the underlying magnetic field configuration. We will present preliminary results from our study in this talk.

#### Contribution Type

#### Theme

Solar Magnetism in High-Resolution

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