



Contribution ID: 41

Type: **not specified**

Correcting the impact of stellar spots on ARIEL transmission spectra

Wednesday, 6 May 2020 15:50 (15 minutes)

In my study, I analyze the impact of stellar spots on ARIEL observations and their effects on the extraction of the planetary signal from primary transit observations. I develop a method to determine the size and temperature of the spots by using the out-of-transit observations and I define a procedure to reliably extract the planetary spectrum in the presence of spots.

Presenter: CRACCHIOLO, Gianluca

Session Classification: Additional works