

Transiting exoplanets from the *CoRoT* space mission Resolving the nature of transit candidates for the LRA03 and SRa03 fields

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Abstract *CoRoT* is a space telescope which aims at studying internal structure of stars and detecting extrasolar planets. We present here a list of transits detected in the light curves of stars observed by *CoRoT* in two fields in the anti-center direction: the LRA03 one observed during 148 days from 3 October 2009 to 1 March 2010 followed by

the SRa03 one from the 5 March 2010 to the 29 March 2010 during 25 days. 5329 light curves for the LRA03 field and 4169 for the SRa03 field were analyzed by the detection team of *CoRoT*. Then some of the selected exoplanetary candidates have been followed up from the ground. In the LRA03 field, 19 exoplanet candidates have been found,

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