

VISTA NB118 narrow-band observations: first results

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Abstract

VISTA has observed 1.8 square degrees of the COSMOS field in four broad band filters (YJHKs) and in a narrow-band filter at 1.19 micron (NB118). The data come from the ongoing UltraVISTA survey and from our GTO programme. The NB118 filter corresponds to Lyman alpha at $z=8.8$, although such galaxies are only expected to be detected in the full 8 year UltraVISTA data. The filter also selects Halpha at $z=0.8$, [OIII] and Hbeta at $z=1.4$, and [OII] at $z=2.2$, and the current dataset contains several thousands of such emitters. I will report the first results on these narrow band selected emission line galaxies.