

## **Planck Cold Cores: follow-up studies with IRAM-30m and JCMT telescopes**

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Among the one hundred Planck cold cores from the early compact source catalogue which have been selected for Herschel follow-up, a subset of 22 objects has been kept for follow-up molecular studies with the IRAM 30-m telescope. Observations have been started as early as October 2010 but the bulk of the data has been obtained in January this year and completion reached this April. For each source, based on Herschel maps, I have mapped one or several pieces of dust emission, finding a whole set of different conditions, with narrow lines and wide lines. Analysis is still on-going. Preliminary results will be presented. Two objects have been also further studied for their dust emission by comparing the Herschel data to submm ground-based observations. These objects, V4.1\_06515 and L183 will be presented in more detail.