

First science harvest from the Gaia Sky

Anthony G.A. Brown¹

¹*Leiden Observatory, Leiden, Netherlands*

Since the publication of the first Gaia data release on September 14 2016 numerous papers (over 70 by early March 2017) have appeared that are based on or make use of the data from Gaia DR1. The topics vary from checks on the quality of the Gaia astrometry to the first steps toward unravelling the formation history of the Milky Way, and include very creative uses of the sky map provided by Gaia DR1. In addition Gaia DR1 is already serving as a standard against which to (re-)calibrate other astrometric and/or photometric sky surveys.

In this contribution I will review some of the highlights of the science that has resulted from the analysis of the Gaia DR1 data.