

COSMOGLOBE III. New constraints on the Anomalous Microwave Emission from *Planck LFI* and *WMAP*

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ABSTRACT

We present new constraints on the diffuse anomalous microwave emission (AME) above 23 GHz using *Planck LFI* and *WMAP* data. We find that a single-parameter exponential SED characterizes the AME emission at least as well as the standard log-normal parameterization and the physical spinning dust model prediction.

Key words. ISM: general – Cosmology: observations, polarization, cosmic microwave background, diffuse radiation – Galaxy: general

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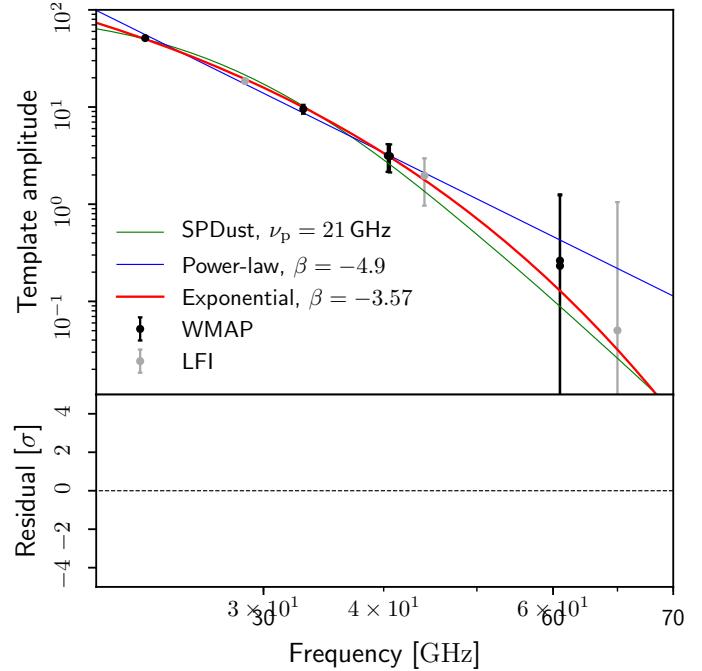
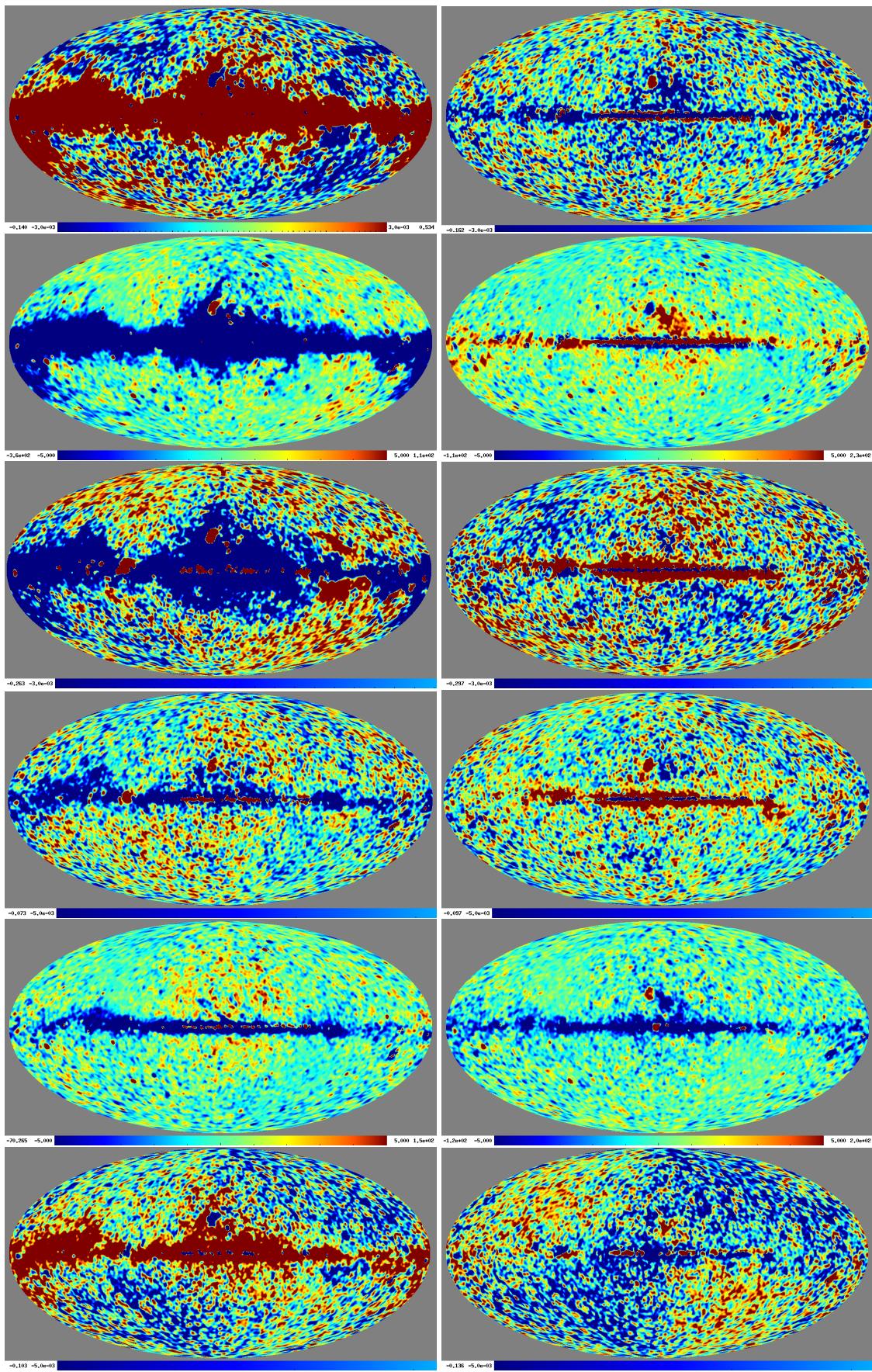


Fig. 1. Template fit

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**Fig. 2.** Residuals