

Abstract Submitted
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The Earthly Origin of the Penzias-Wilson Microwave Background According to General Relativity DMITRI RABOUNSKI, LARISSA BORISSOVA — According to General Relativity, an observer on board of a satellite fixed to the Earth should register a Doppler-like anisotropy in the field of photons, emitted on the Earth, due to the rotation of the Earth's space and its motion relative to the resting stars (Rabounski, Borissova: Fall 2008 Meeting of the New England Sect. of APS). Thus the Doppler anisotropy of temperature in the Penzias-Wilson microwave background, obtained from photons by the COBE satellite (Rabounski: Fall 2008 Meeting of the Ohio Sect. of APS; Prog. Phys., 2007, v.1, 24), indicates the earthly origin of the background. This is the complete theoretical proof to the experimental analysis by Robitaille (Prog. Phys., 2007, v.1, 3, 19), according to which the Penzias-Wilson microwave background is of the Earth, and is generated by the oceans. The monopole component of the Earth's microwave background decreases with altitude, while its dipole anisotropy remains the same (Rabounski, Borissova: 2008 APS March Meeting; Prog. Phys., 2008, v.2, 3). Thus the PLANCK satellite targeting the monopole at the L2 point (1.5 mln km from the Earth), will give the final answer to the problem.

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