

The GRB-Cosmology Data Base of observed and calculated parameters for applications in cosmological tests

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We present a GRB-Cosmology Data Base of gamma, optical and radio catalogs including SAO RAS observations with main observed and calculated parameters, which can be used for number of cosmological tests of the local and high redshift Universe. The name, instrument, coordinates, fluence, photon index, duration, redshift, energy frame, spectral parameters, bolometric values, isotropic equivalent energy and luminosity, and other key parameters, including known corrections for different biases and selection effects, SN Ia calibration of Amati and Yonetoku relations also are included. The data base catalogs can be used for such cosmological tests as Hubble diagram construction, spatial large scale GRB distributions, spatial distribution of galaxies and galaxy clusters indicated by GRB's line-of-sight, photometric and spectroscopic distances of galaxies in the deep GRB fields.