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Title	LIGO/Virgo S200208q : upper limits from AGILE/GRID observations
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TITLE: GCN CIRCULAR NUMBER: 27021 SUBJECT: LIGO/Virgo S200208q : upper limits from AGILE/GRID observations DATE: 20/02/08 17:52:26 GMT FROM: Francesco Longo at U of Trieste, INFN Trieste <franzlongo1969@gmail.com> M. Cardillo (INAF/IAPS), F. Longo (Univ. Trieste, and INFN Trieste), M. Tavani (INAF/IAPS, and Univ. Roma Tor Vergata), C. Casentini, G. Piano, A. Ursi (INAF/IAPS), F. Lucarelli, C. Pittori, F. Verrecchia (SSDC, and INAF/OAR), A. Bulgarelli, V. Fioretti, N. Parmiggiani (INAF/OAS-Bologna), M. Pilia (INAF/OA-Cagliari), report on behalf of the AGILE Team: In response to the LIGO-Virgo GW event S200208g at T0 = 2020-02-08 13:01:17.991 (UTC) a preliminary analysis of the AGILE exposure at TO shows that the Gamma-Ray Imaging Detector (GRID) exposure covered the 37% of the 90% c.l. localization region (LR). We performed an analysis of the GRID data in the energy range 50 MeV 10 GeV on TO, where good exposure of the S200208g 90% c.l. LR was available. No candidate gamma-ray transient was detected. The following preliminary GRID values of 3-sigma upper limit (UL) are obtained: from 7.0e-08 to 7.4e-06 erg cm² s⁻¹, with exposure of about 72% of the LR over the time interval (TOs ; TO + 100s); These measurements were obtained with AGILE observing a large portion of the sky in spinning mode. Additional analysis of AGILE data is in

progress.