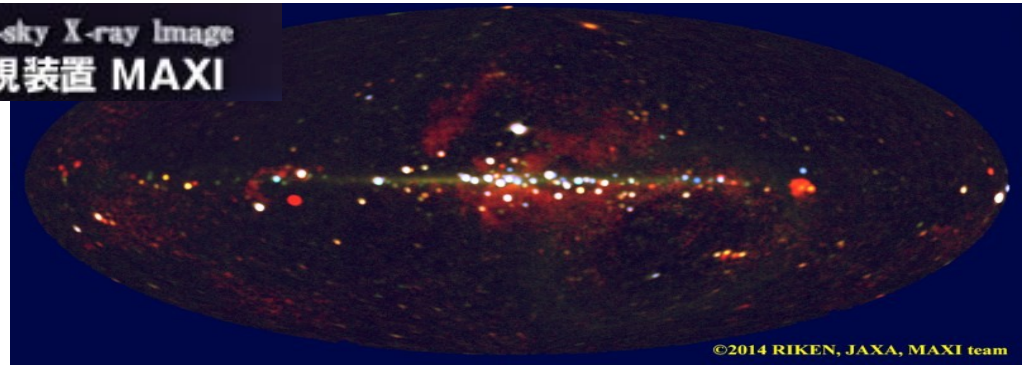




MAXI Monitor of All-sky X-ray Image
 全天X線監視装置 MAXI



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Seminar: MAXI mission: a useful tool for X-ray astronomers
Dr. Tatehiro Mihara (Institute of Physical and Chemical Research, RIKEN, JAPAN)

Monitor of All-sky X-ray Image (MAXI) is an X-ray all-sky monitor on the International Space Station. It has two instruments : Gas Slit Camera (GSC) and Solid-state Slit Camera (SSC). Since August 2009, it has been scanning the whole sky in every 92 minutes with ISS rotation. MAXI nova search program automatically picks up transients and inform them to the MAXI team member. MAXI team issued 164 to Astronomers Telegram and 58 to Gamma-ray burst Coordinated Network so far. The data are processed automatically and distributed through <http://maxi.riken.jp> homepage. The light curves and images are available for 61 sources in every 4 hours and 299 sources daily. Current and daily all-sky maps are also available. The on-demand process offers users to make images, light curves, spectra of GSC and SSC of any part of the sky at any time. There are many transient X-ray sources. MAXI discovered 12 MAXI sources, 6 of which are blackhole binaries. MAXI J0158-744 was a very bright (10^{40} erg/s) and very rapid (< 1 hour) nova, consisting of a unusual pair of binary, a O-Ne-Mg-white dwarf and a Be star. The 37-month catalog contains 500 sources above ~ 0.6 mCrab in 4-10 keV in high Galactic-latitude ($|b| > 10$ deg). Long-term variabilities of Be X-ray binary pulsars (BeXBP) and transient low-mass X-ray binaries (LMXB) are also studied.

Date: 11 December 2014	Time: from 11:30h to 13:00h
Place: Aula 13. Taller de Imagen. Universidad de Alicante (located behind Polytechnic II Building)	
Video-streaming: http://vertice.cpd.ua.es/aula13	Supported by Vicerrectorado de Investigación, Desarrollo e Innovación



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