JUD02

A web-tool to browse and access JAXA's science satellite data and more

Ken Ebisawa (ISAS/JAXA)

JUDO2 (2nd generation of JAXA Universe Data Oriented; http://darts.isas.jaxa.jp/astro/judo2) is a Webtool to access not only JAXA's science satellite data but also other satellite and ground-based observation data. We adopt Aladin Lite which allows to access public HiPS (Hierarchical Progressive Survey) data all over the world including Chandra and XMM, and to browse, move, zoom in/out. We produce HiPS data of JAXA's projects, MAXI, Hitomi, Suzaku, ASCA (X-rays) and others. Also, we create HiPS images of Swift BAT and constellations, and HiPS catalogs of MAXI, Swift BAT and Swift XRT. These HiPS data are available at http://darts.isas.jaxa.jp/pub/judo2/HiPS/ which are accessible by Aladin Desktop or Aladin Lite.

Two images can be overlaid each other, while you can control transparency of the top image. Here, Hitomi SXS Perseus cluster image is superposed on Chandra image.

FoV: 9.96*

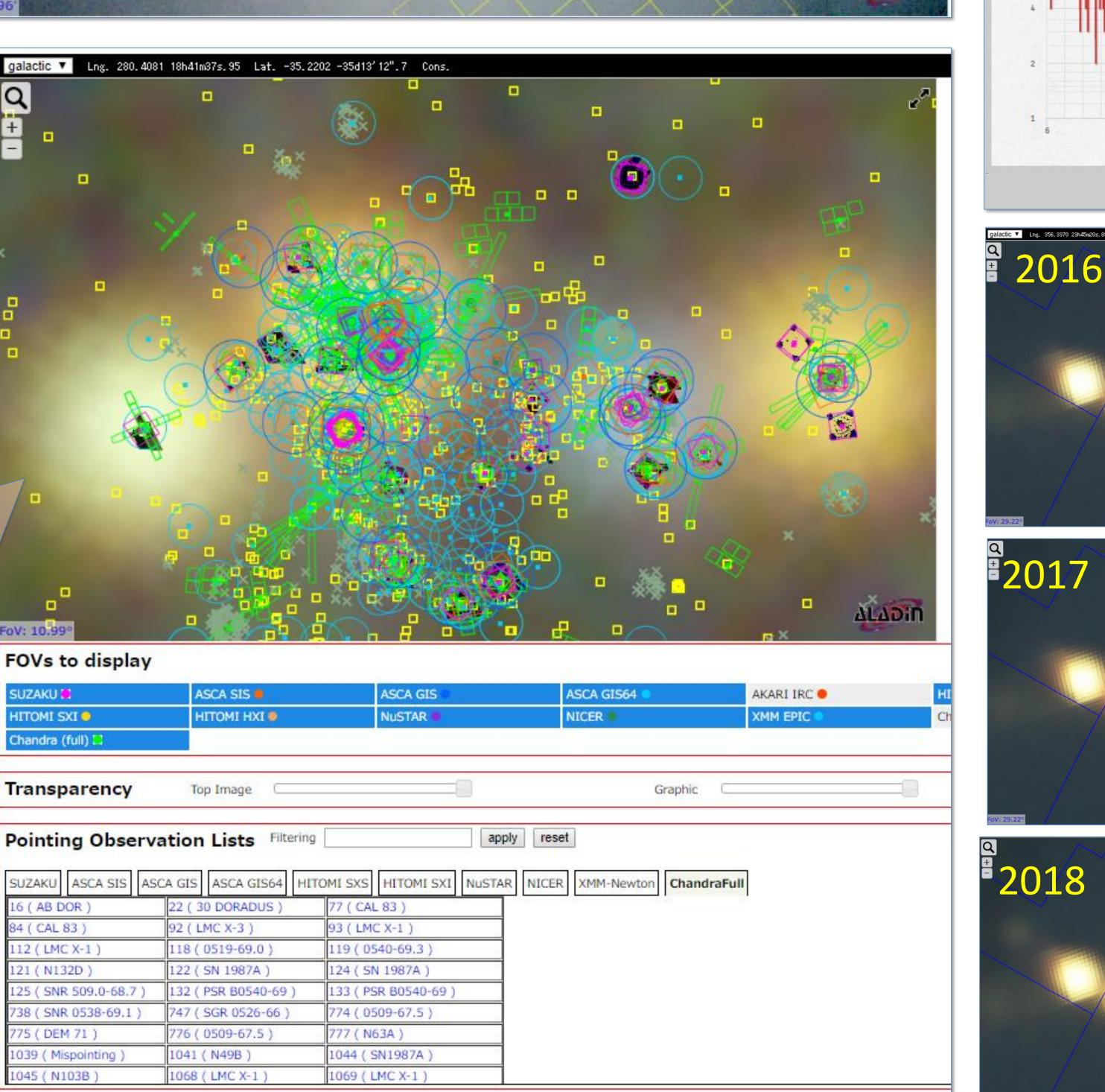
Lng. 200. 4081 18h4in∂7s.55 Lat. -55.202 -55d18*12*.7 Cons.

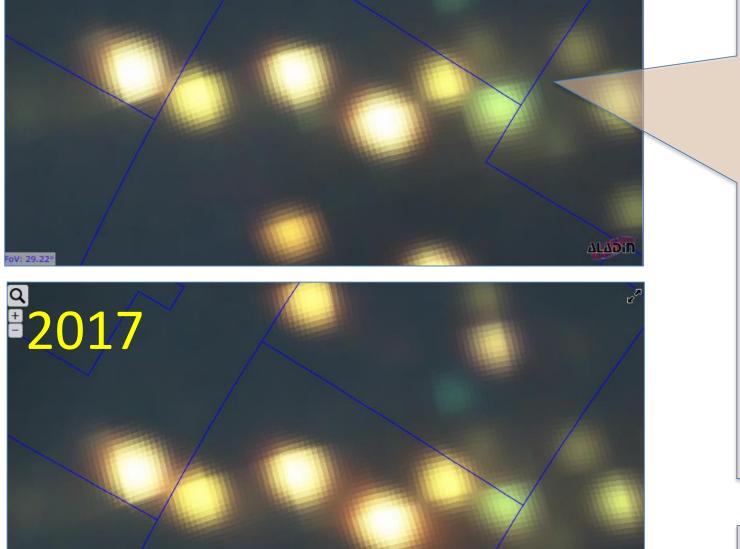
JUDO2 has
direct link to
DARTS's UDON2
(2nd generation
of Universe via
DARTS ON-line),
with which users
can quickly look
at light-curves
and spectra of
particular
sources or
region of the sky.

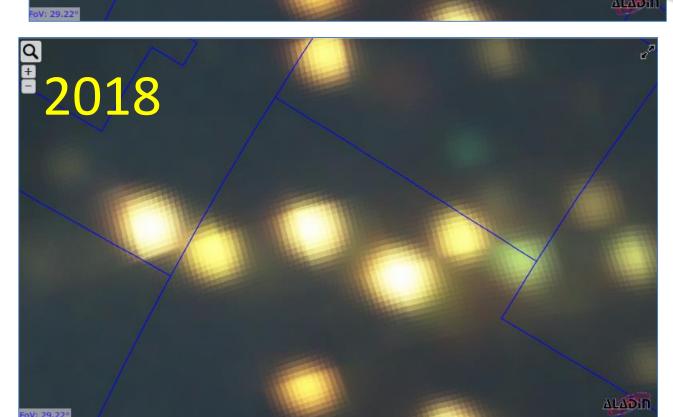
On the LMC
region MAXI and
Suzaku images,
foot-prints of
the following
satellites are
shown Hitomi,
Suzaku, ASCA,
Akari, XMM,
Chandra,
NuSTAR and
NICER, as well
as MAXI, Swift
BAT and XRT
catalogs.

Observation numbers are directly linked the archival data at DARTS, CXC, HEASARC, and ESAC.

MAXI images of the Virgo and Coma region, constellation figures, and footprints of Suzaku, Chandra and XMM are indicated.

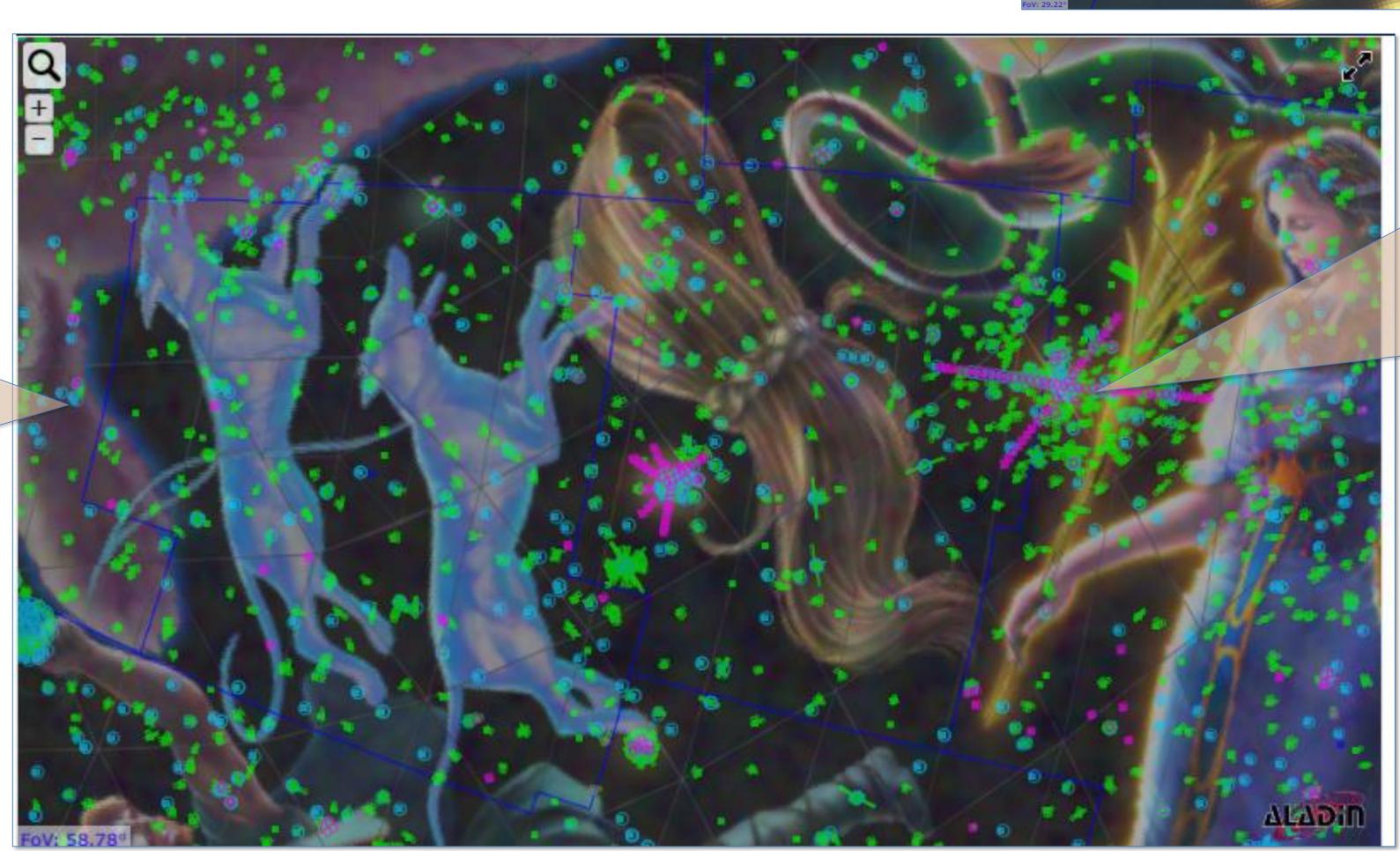






Time-series of MAXI images are available, so that users can display yearly, monthly, weekly and daily all sky MAXI images.

Left-hand side is yearly image the GC region by MAXI GSC in 2016, 2017 and 2018.



Suzaku (shown with pink)
carried out many
pointings across several
clusters of galaxies to
measure temperature
variations.
You can easily tell, which
is the Virgo cluster and
which is Coma (hair)
cluster!