2020.08.18

Current Status of SMOKA

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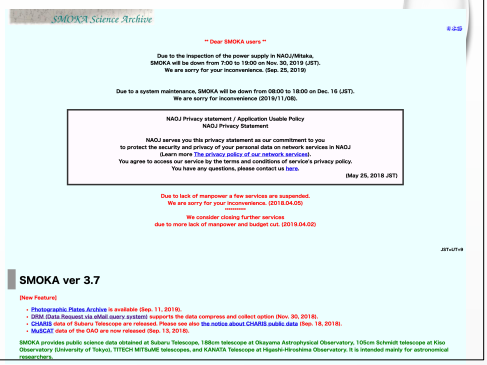
https://smoka.nao.ac.jp/

SMOKA (Subaru-Mitaka-Okayama-Kiso-Archive system)

is the science archive system providing access to public data of the Subaru Telescope, the 188cm telescope at the Okayama Astrophysical Observatory, the 105cm Schmidt telescope at the Kiso Observatory of the University of Tokyo, MITSuME telescopes of Tokyo Institute of Technology, the 150cm KANATA telescope of Hiroshima University, and the 2m Nayuta Telescope of Nishi-Harima Astronomical Observatory. Everyone can obtain the data for the purposes of astronomy and education. SMOKA is developed and operated by the Astronomy Data Center of National Astronomical Observatory of Japan.



Current Status of SMOKA (Ver. 3.7)

32 Instruments

- Subaru : Suprime-Cam (SUP), FOCAS, HDS, OHS/CISCO, IRCS, CIAO, COMICS, CAC, MIRTOS, MOIRCS, Kyoto-3DII, HiCIAO, FMOS, HSC, **CHARIS, IRD, SWIMS, MIMIZUKU**
- Okayama : ISLE, KOOLS, HIDES, OASIS, SNG, **MuSCAT**
- Kiso : 1kCCD, 2kCCD, KWFC, **KISO Schmidt Plates digitized data (2019 Sep. 11)**
- MITSuME : MTA, MTO
- Higashi-Hiroshima : HOWPol, HONIR
- Nishi-Harima: **NIC**
- **Seimei : KOOLS-IFU?**

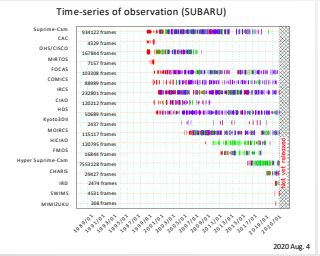
Statistics

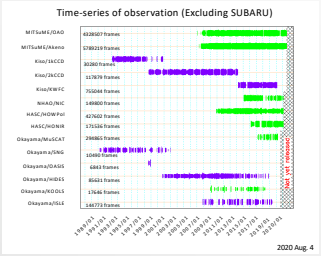
Registered Users
(necessary for data request):
148 (2020.04.01 - 2020.08.06)

Data Request (/month):
100,000-100,0000 frames
(10-100 TB)

Archived Data

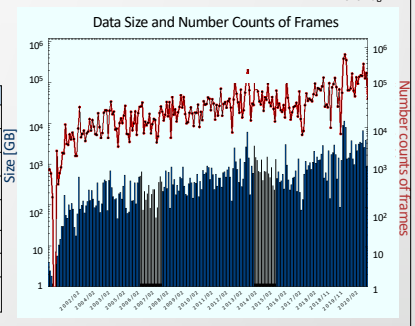
SMOKA mainly provides raw data. Quick look images (QLI) and Weather information (temperature, humidity, images taken by the sky monitor, etc.) are offered as well.





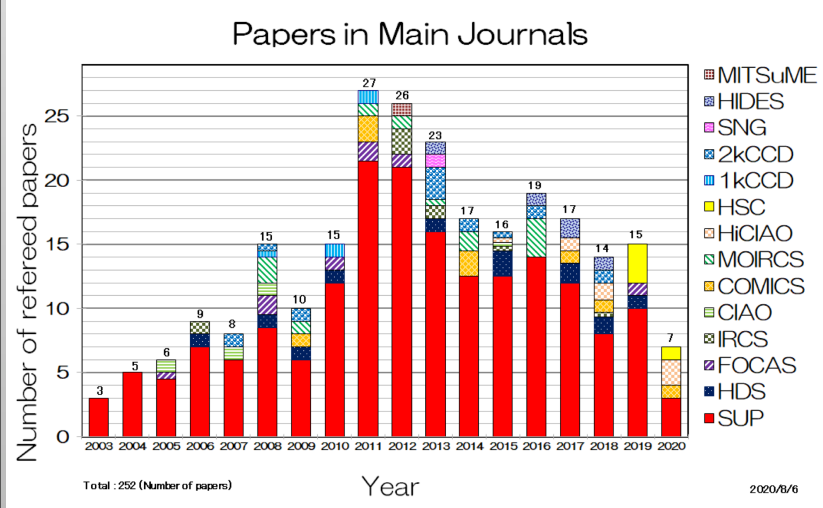
	Frames	(TB)	Occupation	Since
Subaru	11,903,348	190.5	18 months	1999～
Okayama	983,238	6.2	2 years	1991～
Kiso	1,554,928	10.0	1 year	1993～
MITSuME	12,343,806	24.8	1 year	2007～
Higashi-Hiroshima	747,149	6.6	18 months	2010～
Nishi-Harima	185,446	0.7	18 months	2019～
Total	25,804,948	220.9		
				2020 Aug. 6

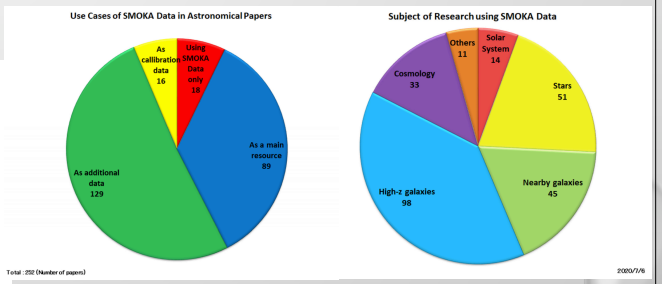
Increased size over the past year: 50 TB



Products of SMOKA

Refereed Papers using SMOKA data
2003-2020: **252** papers (A&A, ApJ, AJ, PASJ, MNRAS, PASP, etc.)





Future Works

- New instruments:
  - Seimei/KOOLS-IFU ?
  - Okayama/HIDES-F ?
  - Kiso/Tomo-e Gozen ?