Current Status of SMOKA

2017 Jan. 10

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SMOKA ver 3.7

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, and the 150cm KANATA telescope of Hiroshima University. Everyone can get the data for the purposes of astronomical research or education. SMOKA is developed and operated by the Astronomy Data Center of National Astronomical Observatory of Japan.



http://smoka.nao.ac.jp/

Pasources	Remarks
Resources	2015/12/25
SMOKA Web Index	Some duplicate frames in SMOKA
	were found. We have not opened
SMOKA Overview and How To Search and Request Data	the frames in order to avoid
	trouble. Click <u>here</u> for details.
Online Help	2014/12/25
How to use SMOKA for a detail, and descriptions of reduction method.	There was duplication of the
	header keywords in data
User Registration	requested from Apr.2013 to Dec.
You need to register if you wish to retrieve FITS data.	2014 due to the HeaderReplacer

arch is available(Apr. 04 2016

inquiry about SMOKA and User regist

m December 29 to January 3 (JST)

IOKA will be down on Feb. 2, 2017 (JST

sorry for the inconvenience (Nov. 8, 2016

ciate your cooperation (Dec. 15, 20

SMOKA Staff Members

Current Status of SMOKA (Ver. 3.7)

Development Status (in the past year)

(2016 Jan. 08) MITSuME data include our astrometric calibration

(2016 Feb 19) SHOT mode of the output format for Hyper Suprime-Cam (HSC) is supported

(2016 Apr. 04) MITSuME pin-point Search is available

(2016 Jun. 14) Minor Bodies Search is available (MITSuME/Akeno)

(2016 Jul. 11) All Keywords Search is available (Kiso/KWFC)

(2016 Jul. 27) Minor Bodies Search is available (MITSuME/Okayama) (2016 Nov. 26) Requested Data Cleanup Service is available

SHOT mode for Hyper Suprime-Cam (HSC) data

The "SHOT mode" is available in "Advanced Search" of SMOKA. You can select "FRAME" or "SHOT" in the form of search system (see left panel). A shot means a group of the multiple frames which had been observed by a same exposure. The result is displayed in a shot-by-shot basis by row (see right panel). Therefore, when you use SHOT mode, you can easily get all frames in a same exposure.



Results <u>Click here</u> to know how to look search results 10094 shots were found. However, over 5000 shots are ignored The results are summarized below nstrument Number of shots f you want to retrieve astrometric calibrated data, and/or flat fielded data of Suprime-Cam (SUP) data please use SUP Search A link of "No." column will lead you to the detailed information of corresponding frame. can see the quicklook image, the header information, and the ASCII table extension, if exist age of the guery results, select the range of numbers from the list box located at the bottom of the table

No.	Doubt	Raw	FRAMEID	DATE_OBS	FITS_SIZE	OBS_MODE	DATA_TYPE	OBJECT	FILTER	WVLEN	DISPERSER
		<u>Data</u>									
1			HSCA00051[0,1]XX	2014-03-	17	IMAG	OBJECT	TEST	HSC-Y	933.0	
				26 <u>weather</u>						1020.0	
2			HSCA00051[2,3]XX	2014-03-	17	IMAG	OBJECT	TEST	HSC-Y	933.0	
				26 <u>weather</u>						1020.0	
3			HSCA00052[8,9]XX	2014-03-	17	IMAG	OBJECT	TEST	HSC-Y	933.0	
				26 <u>weather</u>						1020.0	



Archived Data

At present, 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.



MITSuME/OAO (3074346 frames)		
TSuME/Akeno (4179112 frames)		
K iso/1kCCD (30280 frames)		***
Kiso/2kCCD (117879 frames)		xeexee
Kiso/KWFC (485204 frames)		
HASC/HOWPol (332044 frames)		
HASC/HONIR (34367 frames)		
kayama/SNG (10490 frames)	av tille seles ether like sinderet in -a) - statter av f	8
ayama/OASIS (6843 frames)		
oyama/HIDES		-
yama/KOOLS		<u> </u>
k ayama/ISLE (114413 frames)		(# 1)0(#) 100

<u>Status</u>								
	Frames	(TB)	Occupation	Since				
Subaru	4,257,912	61.5	18 months	1999~				
Okayama	545,497	5.2	2 years	1991~				
Kiso	1,016,192	7.3	1 year	1993~				
MITSuME	8,608,312	17.7	1 year	2007~				
Higashi- Hiroshima	425,379	3.5	18 months	2010~				
Total	14,853,292	95.2						
2017 Jan. 01								
Tatal and and af your datas OFTD								

Iotal amount of raw data: 951B

Increased size over the past year: 25TB **Users** (current fiscal year):

220 (2016.04.01 - 2017.01.04)

Data Request (/month): 10,000-100,000 frames (100-1,000 GB)





Future Works

Shortly (a half to one year)

Provide data applied astrometric calibration: Subaru/Suprime-Cam, Kiso/KWFC...



- Provide images applied astrometric calibration: SkyMoniter Imaging Data Service System (Okayama, Akeno, Higashi-Hiroshima)

- Provide known Supernova Search System

Future Works

- Provide data of the new

observational instruments: Kiso/Tomo-e Gozen

- Query using indices of quality assessment