

Facility Identifiers - How they are (or aren't) used

Christopher Erdmann & Uta Grothkopf

European Southern Observatory Library



Background

 ESO Library tracks papers that use data from ESO facilities and compiles this further into statistics that can be used to gauge our productivity and effectiveness within the astronomy community



The Problem

- What is the problem?
 - Tracking papers that use facilities is troublesome
- Why is this happening?
 - Varying degrees of facility information provided
- Why is this a problem?
 - More time spent tracking and tagging papers





Acknowledgement Example

The GOODS Web site²² provides further details of the project and access to the GOODS data. Support for the GOODS HST Treasury Program was provided by NASA through grants HST-GO09425.01-A and HST-GO-09583.01. Additional support for this work, which is also part of the SIRTF Legacy Science Program, was provided by NASA through contract 1224666 issued by the Jet Propulsion Laboratory, California Institute of Technology, under NASA contract 1407. P. M. acknowledges support from NASA through grant NAG5-11513.

Footnote Example

- * Based on observations collected at the La Silla Parana Observatory, ESO (Chile) with the UVES spectrograph at the 8.2-m Kueyen telescope, under programs 079.C-0131 and 66.D-0457.
- ¹ For a recent general review of the properties of the known exoplanets see Udry & Santos (2007).

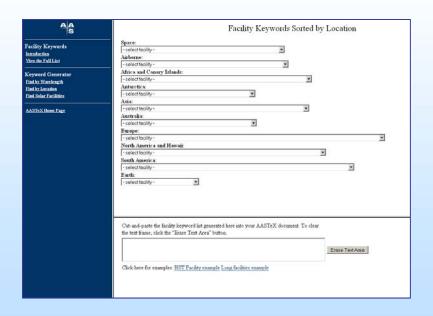


First Steps Toward a Solution

Common facility list (AAS)







AAS Find Facility by Location Tool

Cut-and-paste the facility keyword list generated here into your AASTeX document. To clear the text frame, click the "Erase Text Area" button.	
{\it Facilities:} \facility{HST ()}, \facility{VLT:Antu ()}	Erase Text Area
Click here for examples: HST Facility example Long facilities example	

First Steps Toward a Solution

Common facility list (AAS)

Facilities/Programs section in papers



Facilities Example

Facilities: HST (ACS), Magellan:Baade (IMACS), XMM, VLA, MMT (Hectospec).

2. DATA AND SAMPLE

COSMOS (Scoville et al. 2007a), a *Hubble Space Telescope* Treasury project, includes coverage of a 2 deg² field from X-ray wavelengths to UV, optical, IR, and radio. The cornerstone data set, which we use for the bulk of our analysis, consists of 583 orbits taken with Hubble's Advanced Camera for Surveys (ACS) with the F814W filter (see Koekemoer et al. 2007 for a complete description). Ancillary observations include *XMM-Newton* X-ray imaging (Hasinger et al. 2007) VLA radio maps (Schinnerer et al. 2007), and VLT/VIMOS Lilly et al. 2007) and Magellan/IMACS optical spectroscopy (Trump et al. 2007, 2008, in preparation).

Our sample selection focuses on AGN candidates in the COSMOS field with spectroscopic redshifts. An object is identified as an AGN candidate through detection as an X-ray point source above the $\sim 10^{-15}$ erg cm⁻² s⁻¹ flux limit in the 0.5–2 keV or 2–10 keV flux bands (Cappelluti et al. 2007; Brusa et al. 2007), or a radio source above the 0.1 mJy flux limit at 1.4 GHz (Schinnerer et al. 2007). Optical counterparts to these candidates with I_{AB} in the Magellan/IMACS spectroscopic success whose mass as on of



AASTeX Facilities Example

From the AAS sample.tex

{\it Facilities:} \facility{Nickel}, \facility{HST (STIS)}, \facility{CXO (ASIS)}.

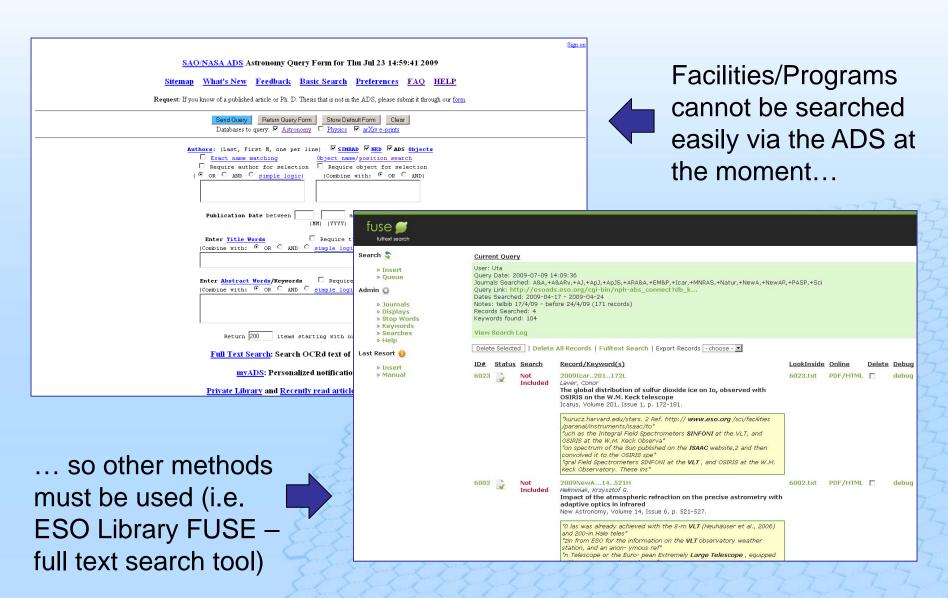
Even better...

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{\it Facilities:} \facility{VLT: (UVES)}
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{\it Programs:} \program{ESO (079.C-0131)}, \program{ESO (66.D-0457)}



Retrieval



Looking Forward

- Establish a more complete facility list
- Motivate publishers to include facilities/programs sections
- Encourage authors to use facilities/programs sections
- Modify institutional policies
- Request the ADS to index these sections and add search
- Spark interest among proposal committees to convince authors