

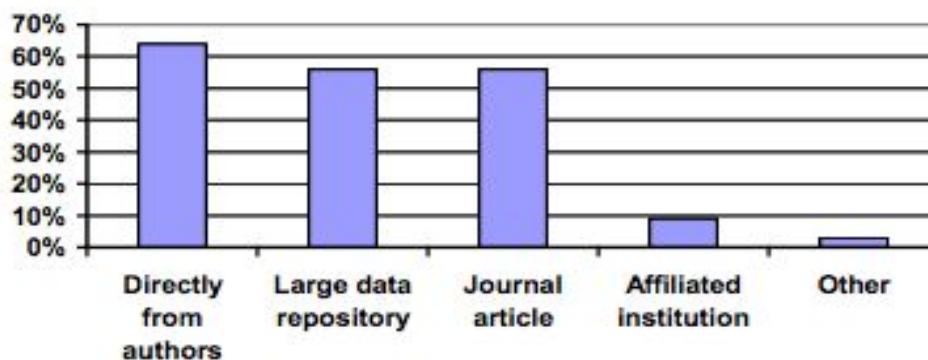
The screenshot shows a web browser displaying a scientific article from The Astrophysical Journal Supplement Series. The article is titled "Hubble Space Telescope Proper Motions and Stellar Dynamics in the Core of the Globular Cluster 47 Tucanae". The left sidebar contains a navigation menu with sections like "Journal Homepage", "Online Material", "Article Comments", "1 INTRODUCTION", "2 HST ASTROMETRY AND PHOTOMETRY", "3 VELOCITY SAMPLES", "4 SPATIAL STRUCTURE AND A MODEL", "5 THE REVERSED PROJECTION-METHOD", "6 VELOCITY DISTRIBUTION", "7 SUMMARY", "APPENDIX A", "APPENDIX B", and "REFERENCES". The main text area includes a "Received 2006 February 9; accepted 2009 May 5" note and an "ABSTRACT" section. To the right of the abstract, a large blue box highlights the "Online Material" available for download:

- Online Material**
- FITS file**
- Master frame reference image**
- Machine-readable table**
- Table 4**
- Tar file**
- Proper-motion catalog**

At the bottom of the page, there is a note: "1. Based on observations made with the NASA/ESA Hubble Space Telescope, obtained at the Space Telescope Science Institute, which is operated by the Association of Universities for Research in Astronomy (AURA), Inc., under NASA contract NAS 5-26555."

AAS Journals are evolving how we encourage data sharing and enable data linking to author datasets;

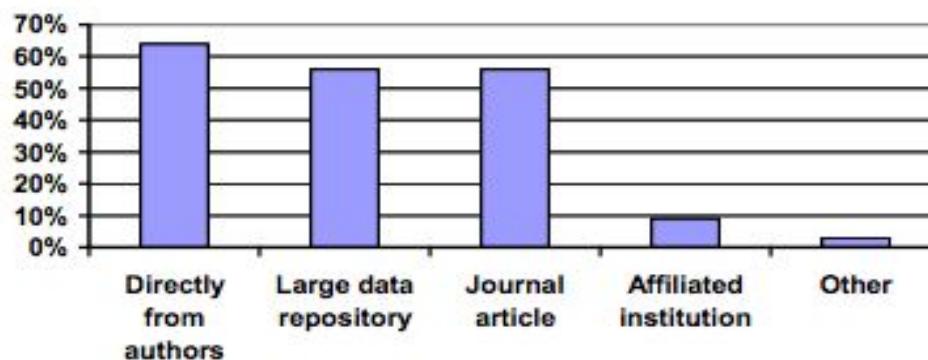
In 2013	Number of datasets	Total number of figures and tables	Number of articles
<i>Astronomical Journal</i>	179	4950	330
<i>Astrophysical Journal</i>	376	38832	3558
<i>Astrophysical Journal Supplement</i>	157	3307	173
<i>Physics of Plasmas</i>	10	8967	1135



~20% of 2013 AAS
Journal articles
contain datasets

Studied “Data Accessibility in Physics and Astronomy”, a
NSF funded AAS+AIP survey (2012-2014) AST-1250572;

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contain datasets

Result of Society Journal Services: *Data Review, Data behind Figures, Partnerships with Astronomy databases;*

This version of the Portal is for the creation of DOIs. To download data, use the [Discovery Portal](#).

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Object name or position M42 r=0.5d Search

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Displaying 114 of 6647 Total Rows MESSIER 042, radius: 0.5000° Footprints: Selected

Filters Clear Filters Edit Filters... Help...

Keyword/Text Filter Filter All Columns

Product Type Name Quantity
 image (90 of 5494)
 spectrum (24 of 1153)

Mission Name Quantity
 HST (110 of 6000)
 IUE (0 of 643)
 FUSE (4 of 4)

Instrument Name Quantity
 WFCPC2/PC (0 of 1113)
 WFPC2/WFC

List of Observations Edit Columns... Table Display: All

	Actions	Preview	Cutout	Mission	Instrument
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<input checked="" type="checkbox"/> 108				HST	
<input checked="" type="checkbox"/> 109				HST	

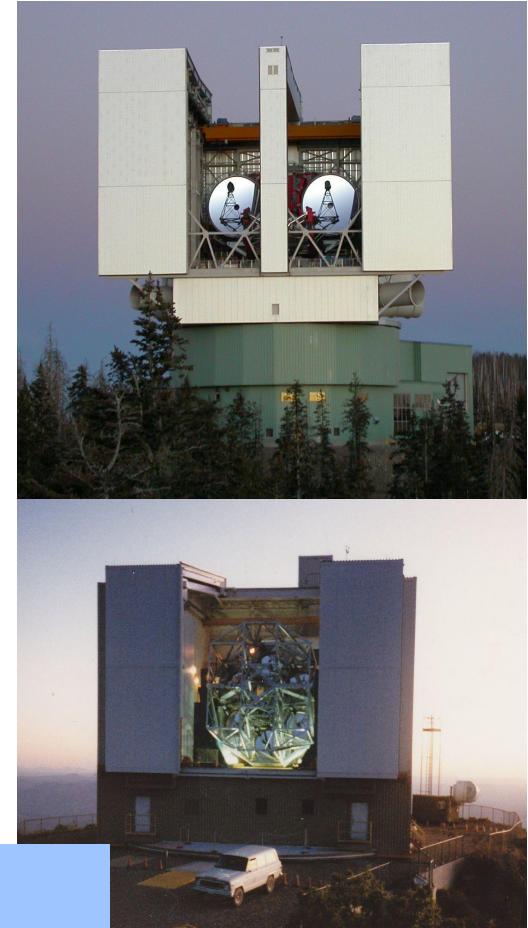
AstroView 05:36:29.775 -05:03:15.07 RA DEC
05:35:16.478 -05:23:22.85 hhmmss/deg

DOI Basket 6 Total Rows 0 Observations Selected

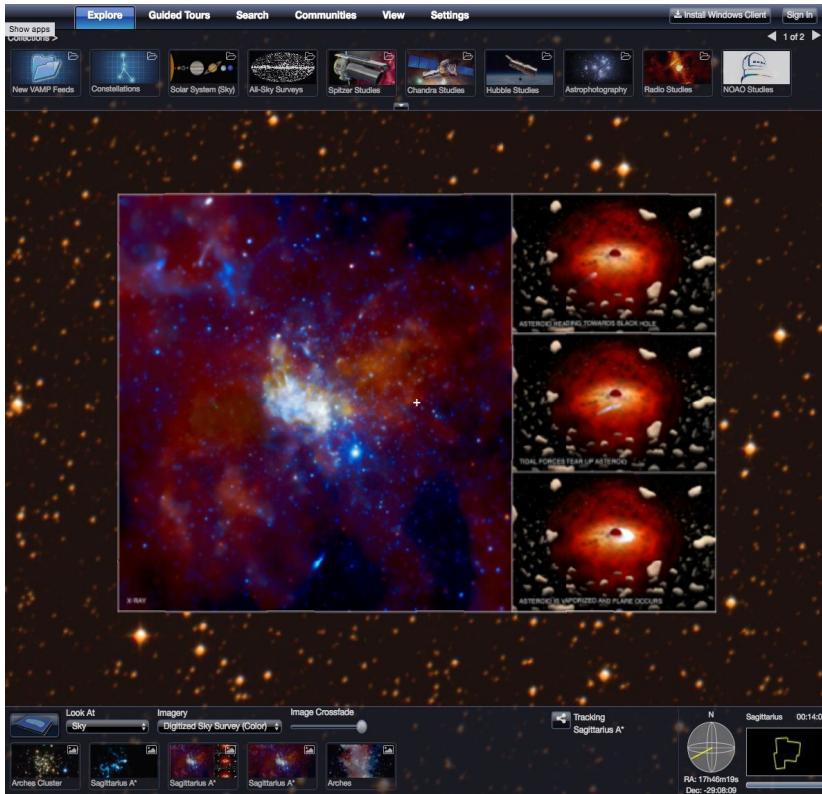
	Mission	Instrument	Observation ID	Filters	Waveband	Proposal ID	Principal Investigator	
<input type="checkbox"/>	1	HST	ACS/HRC	hst_10547_15_acs...	F606W	OPTICAL	10547	Fitzpatrick
<input type="checkbox"/>	2	HST	ACS/HRC	J9FH15041	G800L	OPTICAL	10547	FITZPATRICK
<input type="checkbox"/>	3	HST	ACS/HRC	J9FH15051	G800L	OPTICAL	10547	FITZPATRICK
<input type="checkbox"/>	4	HST	STIS/FUV-MA...	O5EX07020	G140L	UV	8317	CALVET
<input type="checkbox"/>	5	HST	STIS/FUV-MA...	O5EX08020	G140L	UV	8317	CALVET
<input type="checkbox"/>	6	FUSE		b0600901000		UV	8060	FITZPATRICK

Currently working with [Mikulski Archive for Space Telescopes](#) (archive.stsci.edu) to mint data collection DOIs at submission;

- Accelerate for Success Partnership with Arizona School of Information, Department of Astronomy/ Steward Obs., CyVerse Collaborative, UofA Library, AAS Journals;
- Prevalence of orphaned “Historic” data in the literature;
- Obtain community buy-in and manage expectations;
- Explore the landscape of custom cloud-based scientific analysis platforms or ready-made ones (e.g., Dataverse) for a particular requirement.



Building requirements for an “Arizona” Astronomy DataHub;



THE ASTROPHYSICAL JOURNAL LETTERS

RADIO CONTINUUM OBSERVATIONS OF THE GALACTIC CENTER: PHOTOVAPORATIVE PROPLYD-LIKE OBJECTS NEAR SGR A*

F. Yusef-Zadeh¹, D. A. Roberts², M. Wardle², W. Cotton³, R. Schödel⁴, and M. J. Royster¹
Published 2015 March 11 • © 2015. The American Astronomical Society. All rights reserved.
The Astrophysical Journal Letters, Volume 801, Number 2

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Abstract

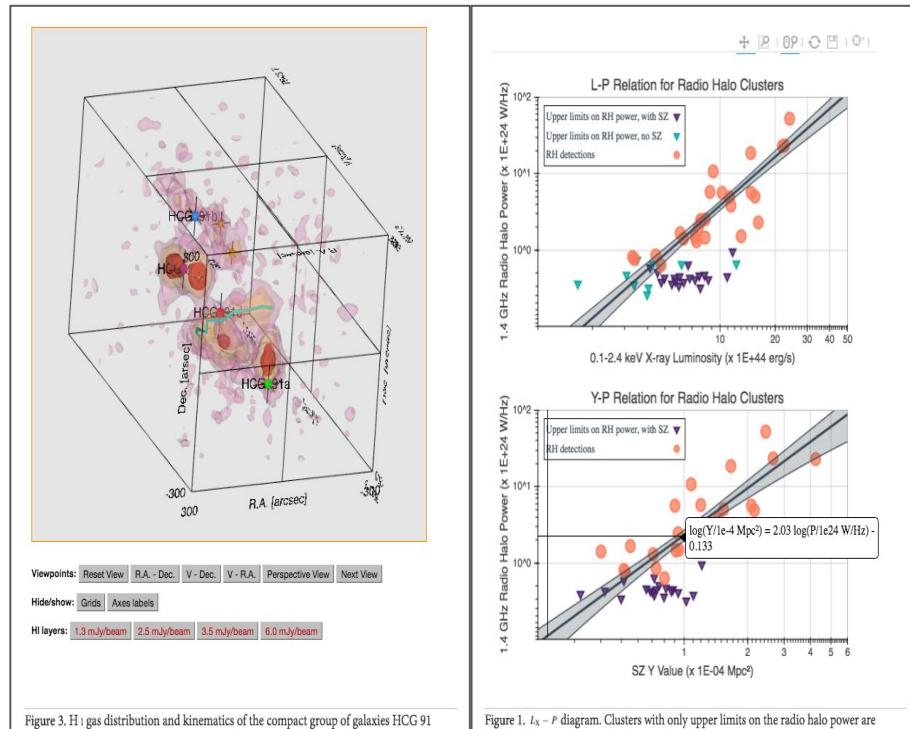
We present radio images within 30'' of Sgr A* based on recent VLA observations at 34 GHz with 7.8 μ Jy sensitivity and resolution of $\sim 88 \times 46$ mas. We report 44 partially resolved compact sources clustered in two regions in the E arm of ionized gas that

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- The “X3D” Pathway, Vogt et al. 2015, ApJ
doi:[10.3847/0004-637X/818/2/115](https://doi.org/10.3847/0004-637X/818/2/115)
<http://fpavogt.github.io/x3d-pathway/>
- Ogrean et al. 2016, ApJ
doi:[10.3847/0004-637X/819/2/113](https://doi.org/10.3847/0004-637X/819/2/113)
<https://github.com/gogrean/InteractiveFigs>

Continuing community oriented data/software publishing:
Unified Astronomy Thesaurus, User-built Interactive Figures.