

McIDAS Users' Group MUG Update

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2013 MUG Meeting – Madison WI – Sept 9-10



MUG Update

- What's New in 2013
- MUG Personnel
- McIDAS-V
- McIDAS Support



What's New in 2013 – New MUG Members

- Federal Aviation Administration
(Aviation Research Division)
 - Atlantic City, New Jersey
- NCEP Central Operations
 - College Park, Maryland
- Green Power Labs
 - Dartmouth, Nova Scotia

The total number of MUG Sites has stayed at
~40 sites for ~15 years.



What's New in 2013 – OS Support for -X

Vendor	Operating System	Compilers Supported
Apple - Mac Intel	OS X 10.7.5	gfortran 4.7.1 gcc 4.2.1 (packaged with Xcode)
	OS X 10.8.2	gfortran 4.6 gcc 4.2.1 (packaged with Xcode)

We will evaluate Mac OS X 10.9 (Mavericks) when it's supported at the University of Wisconsin SSEC.



What's New in 2013 – OS Support for -X

Vendor	Status
HP	Support Sunset Date - January 1, 2013

Support for McIDAS-X on HP-UX was originally sunset with the 2006 upgrade, but was extended through 2012 by funding from the Australian BoM and Cape Canaveral Range Operations.



What's New in– OS Support for -X

Vendor	Operating System	Compilers Supported
Microsoft	Windows XP Professional SP3 & SFU 3.5	Support Sunset Date – January 1, 2013
	Windows 7 Enterprise with SUA	g77 3.3 gcc 3.3 (packaged with SUA)



What's New in 2013 – OS Support for -X

Vendor	Operating System	Compilers Supported
Red Hat	Enterprise Linux WS	
	5.7 Intel	gfortran 4.1.2 gcc 4.1.2
	6.1 Intel	gfortran 4.4.5 gcc 4.4.5

We will evaluate 7.0 when it's supported at the University of Wisconsin SSEC.



What's New in 2013 – OS Support for -X

Vendor	Operating System	Compilers Supported
Red Hat	Enterprise Linux WS	
	5.2 PPC	gfortran 4.1.2 gcc 4.1.2
	ESPC funded the additional hardware needed for PPC support.	



What's New in 2013 – OS Support for -X

Vendor	Operating System	Compilers Supported
SUN	Solaris 10 OS SPARC	Sun Studio 11 Fortran & C -or- g77 3.4.6 & gcc 3.4.6
	Solaris 10 OS x86	g77 3.4.6 gcc 3.4.6

The Solaris operating system is now maintained by Oracle. SSEC tests on Sun Solaris 10, which was purchased before Oracle acquired Sun Microsystems.



What's New in 2013 – 2014 MUG Fees Announced

2014 MUG Fees

McIDAS (increased 5% over 2013)

SX (1-2 workstations) \$ 8,520

DX (3-5 workstations) \$17,040

MX (6+ workstations) \$34,080

XCD (increased 5% over 2013) \$12,300

SDI (remained the same as 2013) \$ 8,340



MUG Personnel - New Team Members

Zach Murphy (new in October 2012)

- Junior majoring in Atmospheric & Oceanic Science
- Testing McIDAS-X and McIDAS-V



MUG Personnel – Current MUG Staff

Kevin Baggett: -XCD programming

Jon Beavers: -V programming

Bob Carp: Help Desk, testing, and documentation

Jay Heinzelman: Help Desk and testing

Rick Kohrs: Help Desk and programming

Zach Murphy (student): Testing

Dave Parker: Systems programming

Barry Roth: Help Desk and documentation



MUG Personnel – Programmers

McIDAS-X

- Russ Dengel
- Dan Forrest
- Kevin Hallock
- Tommy Jasmin
- Scott Lindstrom
- Dave Santek
- Tom Yoksas (Unidata)



MUG Personnel – Programmers

McIDAS-V and VisAD contributors

- Mike Hiley
- Tommy Jasmin
- Tom Rink
- Tom Whittaker
- Julien Chastang (Unidata)
- Don Murray (NOAA)
- Curtis Rueden (UW)



McIDAS-V – Unidata Collaboration

Working Together on VisAD, IDV, -V

- Combined –V / IDV Developers Meeting in Madison, November 2011
- Monthly Teleconferences
- Merged our developer tools (git, redmine)
- MUG testers helping to test new functionality coming from IDV



McIDAS-V – Training and Outreach

Demonstrations in 2012

- AMS Annual Meeting
New Orleans LA (January)
- NOAA Satellite Science Week
Kansas City MO (May)
- McIDAS Users' Group Meeting (May)
- EUMETSAT Meteorological Satellite Conference
Sopot, Poland (September)
- NWA Annual Meeting, Madison WI (October)
- AGU Conference
San Francisco CA (December)



McIDAS-V – Training and Outreach

Training Workshops

McIDAS-V: Beijing, China (June)
China Meteorological Administration
- Attended by 48 scientists from 15 countries

McIDAS-X and –XCD: SSEC (September)
- Users from Cape Canaveral Forecast Facility

...plus countless demonstrations, talks, and training sessions conducted at SSEC, at conferences, and at other research institutions



McIDAS-V – Training and Outreach

McIDAS-V is now used...

- in numerous research projects
- in the NOAA Environmental Visualization Lab
- in Satellite Meteorology classes
 - Mississippi State
 - Texas A&M
 - University of Wisconsin
- in international workshops on multi-spectral data
 - EUMETSAT *International Summer School* - Bracciano, Italy (June)
 - WMO "*International Training Course on Applications in Satellite Meteorology*" – Beijing, China (June)



McIDAS-V – Usage Statistics

Users

In 2012, there were users of McIDAS-V from 8,001 unique IP addresses in 109 countries.

Percent Usage by Platform

	2011	2012
Windows7	39%	45%
Mac OS X	15%	29%
Windows XP	23%	13%
Linux	14%	10%
Windows Vista	9%	3%



McIDAS Support – McIDAS-V Support Forums

- Announced in January 2009 with beta1 release
- Currently, we have...
 - 904 members!!!
 - 851 topics
 - 3,399 posts
- Users of McIDAS-V are encouraged to answer the forum questions of other users and to share their knowledge and expertise.

<http://www.ssec.wisc.edu/mcidas/forums>



McIDAS Support – User Support Requests

With so many new non-paying users, how do we prioritize our support?

1. McIDAS-X, –XCD and SDI questions from MUG members
2. McIDAS-V questions from MUG members
3. McIDAS-V questions from non-MUG users

ALL bug reports are put into the
McIDAS Inquiry System



McIDAS Support – How long will –X be supported?

- Plan to continue to release –X as needed for bugs & data/satellite changes (1 or 2 times per year)
- Plan to support –X through the current GVAR program, which looks like it will be about 2020
- No immediate plans for support fee structure changes
 - MUG members will continue to receive priority support for –X and –V
 - Until –V can fully function as a replacement for -X, which will be years down the road, not much will change.
- New development likely done in –V rather than –X



McIDAS Support – Your Transition from –X to -V

McIDAS-X will be supported through the current GVAR program, which looks like it will be about 2020.

New feature development will likely be done in –V rather than in –X, but –X is still being supported.

- We're still updating for OS upgrades.
- We're still creating servers for new satellites.
- If –X works for you, then stay with –X. When new features or data types come along in –V, then do your new development in –V.
- If you need help with the new development, contact the McIDAS Help Desk.



McIDAS Support – Looking for more user input!

1. Use the McIDAS-V Support Forums
2. Join the McIDAS Advisory Committee
3. Fill out the Site Survey at the end of the meeting on Tuesday
 - What features should be in version 2.0?
 - Interested in nightly builds?
 - Your estimated timeline for beginning your switch from -X to -V
4. If you have specific development needs, contact me about helping to fund development



In Summary...

McIDAS Users' Group is still going strong!

- MUG Membership staying steady for -X, -XCD, and SDI
- -X, -XCD, and SDI Support still our #1 Priority
- Despite budget cuts, we're still receiving financial support of McIDAS-V from research groups
- McIDAS-V downloads and forum membership growing every day
- We need more input from you to make all of McIDAS better for everyone
- And one more thing....





2013 is the...

40th anniversary of McIDAS

24th anniversary of MUG: Jan 1, 1989



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THANK YOU!!!



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