

McIDAS Users' Group MUG Update

Becky Schaffer
Program Manager
McIDAS User Services



2012 MUG Meeting – Madison WI – May 7-8



MUG Update

- What's New in 2012
- MUG Personnel
- McIDAS-V
- McIDAS Support



What's New in 2012 – New MUG Members

- Energia Logistics Ltd.
 - Long Beach, California
- Masdar Institute of Science and Technology
 - Abu Dhabi, United Arab Emirates
- Northrop Grumman Information Systems
 - McLean, Virginia
- Weathernews America, Inc.
 - Norman, Oklahoma

There are currently 41 total MUG sites,
which has stayed at ~40 sites for 10+ years.



What's New in 2012 – OS Support for -X

Vendor	Operating System	Compilers Supported
Apple - Mac Intel	OS X 10.6.8	gfortran 4.6 gcc 4.2.1 (packaged with Xcode)

We will evaluate Mac OS X 10.7 (Lion) when it's supported at the University of Wisconsin SSEC.



What's New in 2012 – OS Support for -X

Vendor	Operating System	Compilers Supported
HP	HP-UX 11.11	HP Fortran 90 3.1 HP C/ANSI C 11.11.16

Support for McIDAS-X on HP-UX was originally sunset with the 2006 upgrade, but was extended through 2009 due to the Australian BoM agreeing to pay the support costs for three additional years and purchasing a new HP workstation for the MUG. **Australia and Cape Canaveral have shared the support costs for 2010 – 2012. Thank you!**



What's New in 2012 – OS Support for -X

Vendor	Operating System	Compilers Supported
IBM	2011.1 was the final version supported. As of 30 April 2012, AIX 5.3.x will no longer be supported by IBM (EOL), and McIDAS-X is no longer supported on AIX.	



What's New in 2012 – OS Support for -X

Vendor	Operating System	Compilers Supported
Microsoft	Windows XP Professional SP3 & SFU 3.5	g77 3.3 gcc 3.3 (packaged with SFU 3.5)
	Windows 7 Enterprise with SUA	g77 3.3 gcc 3.3 (packaged with SUA)

January 2013 -- Sunset Windows XP support (approximately one year after support of Windows 7 was added in McIDAS-X 2011.1).



What's New in 2012 – 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 2012 – 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 2012 – 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



What's New in 2012 – 2013 MUG Fees Announced

2013 MUG Fees

McIDAS (increased 5% over 2012)

SX (1-2 workstations) \$ 8,100

DX (3-5 workstations) \$16,200

MX (6+ workstations) \$32,400

XCD (increased 5% over 2012) \$11,700

SDI (remained the same as 2012) \$ 8,340



MUG Personnel - New Team Members

Bob Carp (new in November 2010)

- Meteorology degree from Millersville University
- Testing, documentation, training and help desk, mainly in McIDAS-V

Mike Hiley (new in January 2012)

- Part-time student programmer this semester
- Full-time employee after graduation
- Master's degree in Atmospheric Science
- First task – scripting tools in 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

Mike Hiley (student): -V programming

Rick Kohrs: Help Desk and programming

Dave Parker: Systems programming

Barry Roth: Help Desk and documentation



MUG Personnel – Programmers

- McIDAS-X
 - Russ Dengel
 - Scott Lindstrom
 - Dave Santek

- McIDAS-V and VisAD contributors
 - Nick Bearson
 - Tommy Jasmin
 - Tom Rink
 - Curtis Rueden
 - Tom Whittaker
 - NOAA's Don Murray



McIDAS-V – Release History

Version Release Dates

- Beta1 – 2009 AMS Meeting (January 2009)
- 1.0 – 2010 EUMETSAT Meteorological Satellite Conference (September 2010)
- 1.01 – 2011 NOAA Satellite Direct Readout Conference (April 2011)
- 1.2 – 2012 McIDAS Users' Group (May 2012)



McIDAS-V – Usage & Download Statistics

Usage (non-SSEC IP addresses)

- 2009 – 2,000 / month
- 2010 – 4,600 / month
- 2011 – 8,300 / month

Percent Usage by Platform (2011)

- 39% - Windows 7
- 23% - Windows XP
- 15% - Mac OS X
- 14% - Linux
- 9% - Windows Vista
- ~0% - Solaris

In 2011, 1,819 unique IP addresses from 90 countries downloaded McIDAS-V



McIDAS-V – Training and Outreach

Demonstrations in 2011

- AMS Meeting
Seattle WA (January)
- Satellite Direct Readout Conference
Miami FL (April)
- GOES-R AWG Annual Meeting
Fort Collins CO (June)
- EUMETSAT Meteorological Satellite
Conference
Oslo, Norway (September)
- AGU Conference
San Francisco CA (December)



McIDAS-V – Training and Outreach

Training Workshops

- China Meteorological Administration
Beijing, China (June 2011 and June 2012)
- Attended by 50 scientists from 15 countries
- Mexico National Water Commission
Mexico City, Mexico
(-X and -V Training: conducted at SSEC - October)

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



McIDAS-V – Unidata Collaboration

Working Together on visAD, IDV, -V

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



McIDAS-V – Main Funding Sources

GOES-R

- Continued development of HYDRA & scripting tools
- Development of tools to evaluate Operational Algorithms and Risk Reduction projects

Suomi NPP / JPSS

- Development of polar data acquisition and analysis
- VIIRS and CrIS in McIDAS-V

EUMETSAT

- Development of MSG HRIT & compressed file readers

McIDAS Users' Group

- Supporting the transition from -X to -V
- Providing user support
- User interface & data access (e.g. servers, new formats)



McIDAS Support – McIDAS-V Support Forums

- Announced in January 2009 with beta1 release
- Currently, we have...
 - 805 members!!!
 - 652 topics
 - 2,335 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>

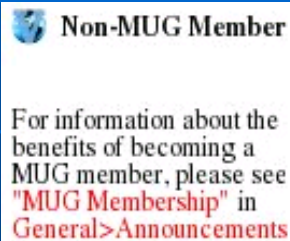


McIDAS Support – McIDAS-V Support Forums



MUG members receive priority support

- Make sure you inform the Help Desk when you join the forum



Non-MUG members receive limited Help Desk support "as time allows"

- Users with multiple requests or who need faster responses to their questions need to join MUG



McIDAS-V Team Members



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 – User Support Requests

	-X Inquiries	-V Inquiries	-V Forum Topics
2007	405	24	n/a
2008	318	246	n/a
2009	236	336	165
2010	245	253	195
2011	221	221	220



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



Looking Ahead to 2013

2013 is the...

40th anniversary of McIDAS

24th anniversary of the MUG

THANK YOU!!!



2012 MUG Meeting – Madison WI – May 7-8

