McIDAS Users' Group MUG Update

Becky Schaffer

Program Manager

McIDAS User Services

MUG Update

- What's New in 2015
- MUG Personnel
- McIDAS-V
- McIDAS Support

What's New in 2015 – Happy Anniversary!

2013 was the 40th anniversary of McIDAS

2014 was the 25th anniversary of the McIDAS Users' Group

2015 is the 50th anniversary of SSEC!!!

What's New in 2015 – New MUG Members

- GeoModel Solar
  - Bratislava, Slovakia

- Iteris, Inc.
  - Grand Forks, North Dakota

- Malaysian Meteorological Department
  - Petaling Jaya, Malaysia

- NOAA STAR
  - College Park, Maryland

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

What's New in 2015 – Upcoming –X Releases

2015.1 - June 2015
- Includes only Himawari updates
- Required to view local & remote Himawari data

2015.2 – late summer 2015
- Full release
- Includes GOES-R updates
- INSAT-3D will be released when we receive corrected calibration equations from India.
- XCD will include a beta release of the new XCD

What's New in 2015 – OS Support for –X

-X Version	Vendor	Operating Systems	Compilers Supported
2015.1	Apple - Mac Intel	OS X 10.7.5 OS X 10.8.5	gfortran 4.7.1 gcc 4.2.1 (with Xcode 4)
2015.2	OS X 10.8 (Mountain Lion), 10.9 (Mavericks), and 10.10 (Yosemite)		
beyond	We'll evaluate 10.11 when it's supported at the University of Wisconsin SSEC, and then support only 10.10 and 10.11.		

What's New in 2015 – OS Support for -X

Vendor	Operating System	Compilers Supported
Microsoft	Windows 7 Enterprise with SUA	g77 3.3 gcc 3.3 (packaged with SUA)

We'll evaluate Windows 8 and beyond when they're supported at the University of Wisconsin SSEC.

What's New in 2015 – 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 2015 – 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 2015 – 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 2015 – 2016 MUG Fees Announced

2016 MUG Fees

McIDAS (increased 5% over 2015)

SX (1-2 workstations)	$ 9,360
DX (3-5 workstations)	$18,720
MX (6+ workstations)	$37,440

XCD (increased 5% over 2015) $13,620

SDI (remained the same as 2015) $ 8,340

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	McIDAS-V and VisAD
Russ Dengel Dan Forrest Kevin Hallock Tommy Jasmin Scott Lindstrom Dave Santek Tom Yoksas (Unidata)	Mike Hiley Tommy Jasmin Tom Rink Julien Chastang (Unidata) Yuan Ho (Unidata)

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

- AMS Annual Meeting
  Atlanta GA (2014) & Phoenix AZ (2015)

- NOAA Satellite Science Week
  Madison WI (2014) & Boulder CO (2015)

- EUMETSAT Meteorological Satellite Conference
  Vienna (2013) & Geneva (2014)

- AGU Conference
  San Francisco CA (2014 & 2015)

McIDAS-V –
Training and Outreach

McIDAS-V is now used in...

- – numerous research projects
- – the NOAA Environmental Visualization Lab
- – Satellite Meteorology classes
  (Miss State, Texas A&M, Wisconsin)
- – EUMETSAT/CIMSS *International Summer School*
- - visualizing data from the EUMETCast datastream

McIDAS-V – Usage Statistics

2014 Usage

- ~3,000 interactive GUI sessions and ~25,000 scripts run /month
- ~1,000 users registered for the User Support Forums

	2011	2012	2013	2014
Windows7	39%	45%	51%	61%
Linux	14%	10%	41%	31%
Mac OS X	15%	29%	5%	3%
Windows XP	23%	13%	2%	1%
Other	9%	3%	1%	4%

McIDAS Support – McIDAS-V Support Forums

- Announced in January 2009 with beta1 release
- Currently, we have…
  - 1,007 members!!!
  - 1,101 topics
  - 4,731 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 – 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 updates are needed in the documentation?
    - What features should be in new versions?
    - What data types do you need to read/write?
    - Do you anticipate switching to –V? If so, when?
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 → still our #1 Priority

- McIDAS-X will be fully supported through the GOES-R Program

- If –X works for you, then stay with –X. When new features or data types are added in –V, then do your new development in –V.

- McIDAS-V downloads and forum membership growing every day

We need input from you to
make all of McIDAS better
for everyone!

THANK YOU!!!