McIDAS Users' Group MUG Update

Becky Schaffer

Program Manager

McIDAS User Services

MUG Update

- What's New in 2010
- MUG Personnel
- McIDAS-V
- McIDAS Help Desk

What's New in 2010 – New MUG Members

1. BMKG (Bandan Meteorologi Klimatologi Dan Geofisika) - Indonesia

2. Clean Power Research LLC – Napa, California

3. Environment Canada, Cloud Physics Research Division ARMP (Atmospheric Research Meteorological Processes) – Downsview, Ontario

4. Harris Corporation – Melbourne, Florida

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

What's New in 2010 – OS Support for -X

Vendor	Operating System	Compilers Supported
Apple - Mac Intel	OS X 10.6	gfortran 4.3 gcc 4.0.1 (packaged with Xcode 3.1)
OS X 10.5 was supported through 2010.1, but 2010.2 will support only 10.6.		

What's New in 2010 –
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 2010 – OS Support for -X

Vendor	Operating System	Compilers Supported
IBM	AIX 5L 5.3.3	XLF 8.1.0 -or- g77 3.4.4 XLC 6.0 -or- gcc 3.4.4

What's New in 2010 – 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 Plans

SSEC is currently switching support from XP to Windows 7. Preliminary tests show that we will be able to support Windows 7 by the end of this year. We will announce our plans for XP support once we receive feedback from our current Windows users on the Site Survey at the end of the MUG Meeting.

What's New in 2010 – OS Support for -X

Vendor	Operating System	Compilers Supported
Red Hat	Enterprise Linux WS	
	4.0 Intel	g77 3.4.6 gcc 3.4.6
	5.3 Intel	gfortran 4.1.2 gcc 4.1.2

What's New in 2010 – 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. ■Once 6.0 is released, we will be sunsetting 4.0 support and supporting only 5.0+ and 6.0+.	

What's New in 2010 – OS Support for -X

Vendor	Operating System	Compilers Supported
SGI		2010.1 was the final version supported. University support for SGI has been sunsetted. The last IRIX release was in late 2006 and no hardware or software updates are planned by SGI.

What's New in 2010 – 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 2010 – 2011 MUG Fees Announced

2011 MUG Fees

McIDAS (increased 5% over 2010)

SX (1-2 workstations)	$ 7,320
DX (3-5 workstations)	$14,640
MX (6+ workstations)	$29,280
XCD (increased 10% over 2010)	$10,140
SDI (remained the same as 2010)	$ 8,340

MUG Personnel - Staff Changes

Jessica Staude left SSEC for Washington, DC
- Worked for SSEC for 9 years
  - First as a student, and then as a full-time employee
- Now working on McIDAS-X at the World Weather Building

Bob Carp joining our team in November
- Recent graduate of Millersville University
- Experience with IDV and GARP
- Should be a great addition to our team!

MUG Personnel – Current MUG Staff

Kevin Baggett: -XCD programming

Jon Beavers: -V programming

Jay Heinzelman: Help Desk and testing

Rick Kohrs: Help Desk and programming

Dave Parker: Systems programming

Barry Roth: Help Desk and documentation

Bob Carp: -V Help Desk and testing

Jon, Jess, and Bob were originally hired for McIDAS-V, but everyone else in the MUG team has been transitioning more to McIDAS-V: programmers, testers, Help Desk, and documentation.

MUG Personnel – Other McIDAS Programmers

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

- McIDAS-V and VisAD cvs contributors
  - Nick Bearson
  - Gail Dengel
  - Bruce Flynn
  - Tommy Jasmin
  - Tom Rink
  - Tom Whittaker
  - IDV's Don Murray & Jeff McWhirter

McIDAS-V – Beta Versions

- Beta1 First Released at 2009 AMS Meeting
  - Meeting presentations
  - Demonstrations at the SSEC booth
- 3461 individual IP addresses from 76 countries downloaded a beta version of -V

407	Linux 32 bit	232	Linux 64 bit
39	Mac PPC	312	Mac x86
24	Solaris SPARC	31	Solaris x86
107	Unix (no Java)	158	Source code
1,824	Windows	327	Windows 64 bit

McIDAS-V –
Official Release of version 1.0

- Announced at 2010 EUMETSAT Meteorological Satellite Conference (September 2010)
- New McIDAS-V website design with movie tutorials
- 362 individual IP addresses from 19 countries downloaded version 1.0 (in one month)

42	Linux 32 bit	42	Linux 64 bit
n/a	Mac PPC	55	Mac x86
8	Solaris SPARC	9	Solaris x86
22	Unix (no Java)	22	Source code
101	Windows	61	Windows 64 bit

McIDAS-V –
OS Support for -V

Operating System	Tested at SSEC
Linux	Red Hat Enterprise Linux WS 4.0 (32 bit) & WS 5.0 (64 bit)
Mac OS X	Mac OS X 10.5 & 10.6 (Intel only)
Solaris	Solaris 10 OS x86 & SPARC
Windows	Windows XP, Vista, and 7

The local ADDE servers are distributed as binaries and may not work on other OS versions.

McIDAS-V –
Main Funding Sources

GOES-R
- Continued development of HYDRA
- Adding more data types
- Development of tools to evaluate Operational Algorithms and Risk Reduction projects
- AWG baseline products are created in the GOES-R framework with output displays in McIDAS-V.

NPP/JPSS
- Development of polar data acquisition and analysis
- MODIS, AIRS and IASI data are being used to develop analysis capabilities for VIIRS and CrIS in McIDAS-V.

EUMETSAT
- Supporting projects like MSG HRIT data display & analysis

McIDAS Users' Group
- Supporting the transition from –X to –V
- Providing user support

McIDAS-V –
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 switching from –X to –V
4. If you have specific development needs, contact me about helping to fund –V development

McIDAS Help Desk – McIDAS-V Support Forums

- Announced in January 2009 with beta1 release
- Currently, we have...
  - 625 members
  - 299 topics
  - 1015 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 Help Desk – 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 Help Desk – 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 Help Desk – User Support Requests

	-X Inquiries	-V Inquiries	-V Forum Topics
2006	423	13	n/a
2007	405	24	n/a
2008	318	246	n/a
2009	236	336	165
2010 (Jan-Oct)	215	152 (bugs /dev only)	134

McIDAS Help Desk –
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

In Summary…

McIDAS Users' Group is still going strong!

- MUG Membership staying steady for –X, -XCD, and SDI
- Financial support of McIDAS-V from research groups is increasing
- McIDAS-V downloads and forum membership growing every day

THANK YOU!!!