

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**

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15 August 2005

TO: Distribution  
FROM: Alan Whitney  
SUBJECT: 25 July 2005 e-VLBI telecon summary

Attendees:

Bill Fink, Lee Foster, Ben Kobler, Chuck Kodak, Paul Lang, Mary Shugrue – GSFC

Tom Lehman, Chris Tracy – MAX

Kevin Dudevior, Hans Hinteregger, Arthur Niell, Chet, Ruszczyk, Jason SooHoo, Alan Whitney – Haystack Observatory

This telecon is one of an ongoing series of telecons to prepare for 10 gigabit/sec e-VLBI demonstrations between NASA GSFC and MIT Haystack Observatory using a combination of network facilities including all or part of GlowNet, Bossnet, ISI-E, SuperNet, Max and GSFC/HECN.

**ACTION ITEMS ARE HIGHLIGHTED IN RED.**

Haystack update

No changes.

GSFC update

Chris reported that GSFC should have a clear 10 Gig path to NLR at McLean as soon as the Level3 fiber becomes available, perhaps as early as tomorrow.

DRAGON

Tom reported that current effort is to get the final pieces in place at GSFC, McLean, and ISI. Some more effort needed to get connection from GGAO to Haystack. Hopefully this will all be in place within next week.

Reconfigurable Optical Add/Drop Multiplexers (ROADM) are being installed to allow switching points in the network. One each will be placed at Arlington and Eckington to allow more flexibility in switching paths around as needed.

iGRID preparations

Tom reported that VLSR switches for European locations are being ordered; should be available by end of August.

Chet reported that link to Japan has been identified; he is working with Koyama-san. Will be testing

link across Abilene link very soon. Hope to achieve 512Mbps sustained. Want to also bring this data across HOPI to DRAGON.

Richard Hughes-Jones is arranging for provisioning of European links across UKLight to Starlite.

#### Wetzell e-VLBI transfers

Haystack has sent down an e-VLBI server system that has been installed at ISI-E. About 14 experiments have now been transferred. Kerry will pick up the disks soon and try correlation. A few minor problems, but mostly working fine.

#### Proposed 10GigE upgrade to Haystack

A note was received from Steve Bernstein at Lincoln Lab indicating that the short 15-minute Glownet maintenance shutdown would not be long enough to do any loss and dispersion measurements. Instead, Steve suggested 'just trying it' (i.e. 10Gig). However, this cannot be done because the Cisco 1500 routers in the path will not support 10 Gig. We will consider an alternative arrangement to propose to LL that bypasses the Cisco 1500s.

Chet reported about a Nortel 10Gig electronic dispersion-correction box he has heard about. He is trying to get more information on capabilities and price.

#### Tsukuba e-VLBI transfers

Jason reported that the Tsukuba e-VLBI transfers are going smoothly.

#### Sydney e-VLBI workshop

Chet and Alan attended the Sydney e-VLBI workshop 12-14 July. The workshop presentations are currently available at <http://www.atnf.csiro.au/vlbi/evlbi2005/presentations/>.

#### EGAE progress

Chet reported that he merging the GUI front end EAXP (e-VLBI Access Point) with the actual EGAE daemon. We will be testing both locally and with Japan.

#### Next telecon

Next telecon is scheduled for Monday, 15 August 2005 at 2pm EST.

cc: Steve Bernstein, LL  
Jim Calvin, LL  
Rick Larkin, LL  
Lorraine Prior, LL  
Peter Schulz, LL  
Leslie Weiner, LL  
Herbert Durbeck,  
GSFC  
Bill Fink, GSFC  
Lee Foster, GSFC  
Pat Gary, GSFC  
Andy Germain, GSFC  
Chuck Kodak, GSFC  
Kevin Kranacs, GSFC

Paul Lang, GSFC  
Aruna Muppalla, GSFC  
Mary Shugrue,  
GSFC/ADNET  
Bill Wildes, GSFC  
Steve Bailey, GSFC  
Dan Magorian, UMCP  
Tom Lehman, ISI-E  
Jerry Sobieski, MAX  
Chris Tracy, MAX  
Guy Almes, Internet2  
Charles Yun, Internet2  
Richard Crowley,  
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Hans Hinteregger,  
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Arthur Niell, Haystack  
Joe Salah, Haystack