

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**

**HAYSTACK OBSERVATORY**

*WESTFORD, MASSACHUSETTS 01886*

*Telephone: 978-692-4764*

*Fax: 781-981-0590*

17 Apr 2005

TO: Distribution  
FROM: Alan Whitney  
SUBJECT: 7 March 2005 e-VLBI telecon summary

Attendees:

Lee Foster ,Kevin Kranacs, Aruna Muppalla, Mary Shugrue, Bill Wildes – GSFC

Chris Tracy – ISI-E

Kevin Dudevoir, Hans Hinteregger, Arthur Niell, 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 Gownet, Bossnet, ISI-E, SuperNet, Max and GSFC/HECN.

**ACTION ITEMS ARE HIGHLIGHTED IN RED.**

NASA/GSFC

Kevin reported that Force10 E600 is installed and is being configured. A 10GigE link will be set up between GSFC and Ames (CA) using NLR (through McLean).

Bossnet

Raptor folks are interested in exploring possibility of upgrading Haystack-MAX link to 10Gbps using their ER-1010 switches.

RayExpress Control Plane

Status is uncertain. Haven't been able to contact Russ Roberge; will pursue.

DRAGON

Chris reported on outline of plan to incorporate RayExpress switches into DRAGON control software. Would like by 3 April to have hooks built into DRAGON so RayExpresses can be controlled through a web interface; plan to send proxy PCs to Haystack and GSFC to control the RE switches.

Tentative plans for DRAGON team to visit Haystack 29-30 March to discuss DRAGON interface issues with Haystack team. David Lapsley may be able to join for part of discussion.

Jason has sent down a couple of memos to DRAGON folks explaining EGAE plans for integration of DRAGON capabilities.

#### Haystack

Haystack has selected someone to fill David Lapsley's position, but visa issues have been insurmountable and he has had to withdraw. Haystack will initiate a new search.

#### Mark 5 plans

Mark 5B is being designed to accommodate up to 2048Mbps when an upgraded disk interface card becomes available.

Maximum of 16 Mark5s can connect to Mark 4 correlator; currently the number is dynamically variable from ~4 to 6.

#### e-VLBI from Hawaii and Germany

Still testing transfers. Hope to have PC down at ISI-E within couple of weeks to capture Hawaii and Germany data, which will then be hand carried to USNO for processing.

**Next telecon is scheduled for Monday, 28 March 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

Dan Magorian, UMCP  
Tom Lehman, ISI-E  
Jerry Sobieski, MAX  
Chris Tracy, MAX  
Guy Almes, Internet2  
Charles Yun, Internet2  
Richard Crowley, Haystack  
Kevin Dudevoir, Haystack  
Hans Hinteregger, Haystack  
Arthur Niell, Haystack  
Joe Salah, Haystack