

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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13 May 2005

TO: Distribution
FROM: Alan Whitney
SUBJECT: 18 April 2005 e-VLBI telecon summary

Attendees:

Steve Bailey, Bill Fink, Lee Foster, Pat Gary, Kevin Kranacs, Paul Lang – GSFC

Tom Lehman – ISI-E

Jerry Sobieski, Chris Tracy – MAX

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 GlowNet, Bossnet, ISI-E, SuperNet, Max and GSFC/HECN.

ACTION ITEMS ARE HIGHLIGHTED IN RED.

Haystack

Kevin D. reported that internal cabling update is almost done. CAT5 and fiber connections have been made from the switch room directly to all the correlator connections. This will allow the consolidation of switching to a single point (NDF room) and eliminate some of the current multi-layer switching configuration.

Chet Ruszczyk will soon be joining Haystack to fill the position vacated by David Lapsley.

DRAGON and EGAE

Still getting pieces in place for DRAGON network control layer. Hope to have everything in place in next week or so.

Next DRAGON meeting is Wednesday, 27 April.

DRAGON/Haystack meeting was held 4 April to discuss the EGAE/DRAGON interface. In attendance were Jerry Sobieski, Chris Tracy, Chet Ruszczyk, Kevin Dudevoir, Jason Soohoo and David Lapsley.

Chris has gotten copy of EGAE code from Jason and is studying it. Trying to define XML interface between DRAGON and EGAE daemon; plan to test locally at MAX before deploying on network.`

Raptor

Bob Yates of Raptor met with DRAGON folks. Price of Raptor box is attractive. MAX has two 10Gig Raptor switches. Jerry and crew will try some tests – performance, buffering, etc. Will try to carry RAS through Movaz 10Gig transponders – important to test whether RAS capability will work over wide area.

Network diagrams

e-VLBI diagrams are getting out-of-date. **Alan will update e-VLBI network diagrams.**

GSFC

Bill reported change in configuration at GSFC with 10Gig now going to GGAO from the Force10 E600. Planning in progress for 10Gig link to NLR at Ft. Meade.

Planning to test the Raptors between GSFC and College Park.

Pat reported that NTSC people are very interested in SAN over a wide-area network and are simulating with a delay simulator; delay simulator may be applicable to testing long-distance e-VLBI path.

Kokee-Wettzell e-VLBI experiments

The connection to Kokee has been discontinued; NASA is being asked to join the Hawaii Intranet Consortium at a cost of ~\$30K per year; Bill Wildes is working on the problem.

Kevin reported that regular transfers from Wettzell will begin soon. Haystack is preparing a server to send down to ISI-E, which will write disks that will be transported via sneaker-net to USNO.

Japanese e-VLBI transfers

Jason reported that e-VLBI transfers from Tsukuba and Kashima have been going fairly smoothly with transfer rates of ~240Mbps to Kashima, slower to Tsukuba. These transfers are, in part, preparation for the CONT05 experiment in 12-27 Sep 2005 which requires a daily transfer from Tsukuba of ~2TB for 15 contiguous days.

Need to have network to Haystack in working order ~10-27 Sep 2005; **Tom will enter this into the network schedule.**

Next telecon is scheduled for Monday, 16 May 2005 at 2pm EST.

cc:	Steve Bernstein, LL	Paul Lang, GSFC	Kevin Dudevoir,
	Jim Calvin, LL	Aruna Muppalla,	Haystack
	Rick Larkin, LL	GSFC	Hans Hinteregger,
	Lorraine Prior, LL	Mary Shugrue,	Haystack
	Peter Schulz, LL	GSFC/ADNET	Arthur Niell, Haystack
	Leslie Weiner, LL	Bill Wildes, GSFC	Joe Salah, Haystack
	Herbert Durbeck,	Steve Bailey, GSFC	
	GSFC	Dan Magorian, UMCP	
	Bill Fink, GSFC	Tom Lehman, ISI-E	
	Lee Foster, GSFC	Jerry Sobieski, MAX	
	Pat Gary, GSFC	Chris Tracy, MAX	
	Andy Germain, GSFC	Guy Almes, Internet2	
	Chuck Kodak, GSFC	Charles Yun, Internet2	
	Kevin Kranacs, GSFC	Richard Crowley,	
		Haystack	