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From: Dennis Coyne <coyne@ligo.caltech.edu>

Subject: Correction: minutes: HAM-SAS telecon Wed 8am PT

Cc:

Bcc:

Attached:

Corrections & travel plan updates below

At 10:21 AM 1/3/2007, Dennis Coyne wrote:

minutes of the HAM-SAS telecon Wed, 3-Jan-2007

attending: Riccardo, Dennis, Ben, David S., Dave O., Alberto, Valerio, Virginio, **Youichi**

Travel plans to LASTI in support of HAM-SAS:

If you have questions about when is a good time to support HAM-SAS at LASTI, please contact David Ottaway (LASTI coordinator) for advice. When you know when you plan to travel to LASTI, please inform David.

Ben Abbott

- Jan 22nd thru Jan 26th (complete CDS install & check-out)

Youichi Aso

- **starting early Feb** (support performance testing)

Mark Barton

- Jan. 22nd thru Feb. 9th (migrate triple SUS to LIGO controls & test with SAS)

Valerio Bocchi

- ? (support performance testing)

Rolf Bork

- **Jan 15th thru Jan 19th** (CDS install & check-out)

Richard McCarthy

- Jan 22nd thru Jan 26th (complete CDS install & check-out)

Dennis Coyne

- Jan 12th thru Jan 26th (support installation & check-out)
- tentative: Feb 12th thru Feb 23rd (support performance testing)
- tentative: Mar 12th thru Mar 23rd (support performance testing)

Riccardo DeSalvo

- Jan 8th thru Jan 19th (support installation & check-out)
- TBD (2 week trips, with 1-2 weeks in between) (support performance testing)

Carlo Galli

- Jan 11th thru Jan 15th (courtesy visit)

Jay Heefner

- Jan 15th thru Jan 19th (CDS install & check-out)

Virginio Sanibale

- Jan 7th thru Jan 19th (support installation & check-out)
- TBD (support performance testing)

4th crate expected today at LASTI

a crate with spare parts & hardware and miscellaneous equipment should be received soon
there us also a crate sent to CIT (return of miscellaneous equipment)
the FTIR instrument may not have shipped yet

1) LASTI install & test plan

planned thoroughly for removing optics table & support table through Monday
Will assemble cables to HAM-SAS on Wed (when they arrive)

Virginio will write an initial check-out procedure
Alberto will be the editor for coalescing all procedures

ground noise at LASTI is ~ 10x greater noise floor of geophones

The original seismic isolation requirements ([E990303-03](#)) are not current for the HAM vacuum chamber.
For HAM seismic isolation system requirements, see Lantz's Aug LSC meeting talk (pg 9 of [G060379-00](#))
& Dave O's test plan ([T060213-02](#)).

2) electronics, software & controls

in-vacuum cables to be ready Thu am -- Bob will clean/bake & ship Tue for Wed am delivery at LASTI

Ben has an in-air version of the in-vacuum break-out bd prepared for initial test/check-out support at
LASTI

the in-vacuum unit will be ready sometime next week -- waiting on delivery from the manufacturer (then it

must be cleaned & baked)

Guralp interface bds due in ~ 1 week

2 LVDT drivers under test by Virginio -- will test with longer cables -- will ship bds Friday or Monday waiting for stepper motor interface -- due very soon

assembly next week -- full install when Ben goes to LASTI 1/22 (finished end of week, i.e. ~1/16)

Ric preparing portable/manual stepper motor driver cable interface for stand-alone testing

3) simulation

using tool from U of Milano, Polytechnic, Multi-Body Dynamics ([MBDYN](#)) -- stand-alone, compiled code (i.e. not a Matlab or Maple toolbox) -- seems to work properly -- have an IP model now (includes beams) -
- will now look into translating the model into simulink format & model the vertical stage
model is nonlinear & so can investigate instability ranges, etc.