

Ocean Visualization
Thursday, June 2, 2011
9 am Ocean View Conference Room

David Caress, Brett Hobson, Eric Martin

- Camera optics and housings
 - All parts for the camera housing are here.
 - Need to assemble, mount cameras.
 - ET shop is working on the camera connectors
- Power Can
 - Endcap has new penetrations done and is out for anodizing.
 - Duane is working on a power board
 - Turns out that it's hard to make all of the power components fit.
 - Still need to identify the GigE switch to go on this board
 - This board will not be done for the initial tank testing.
 - Will be able to do tank testing with simpler wiring.
 - Don't need 24V in tank because we won't have the Kearfott in the water – move the 24 V converter in the can into a 12V converter.
- Camera calibration
 - Rig will be suspended in tank from crane with guy ropes to the side
 - Camera target will be a sheet of UHMW with a regular pattern of small holes drilled by waterjet. We can then attach washers at the hole pattern to serve as the targets for camera calibration. If UHMW is white, paint the washers black, or vice versa.
 - Camera will get 1900 pixels across a 50° field of view at first, and then 90° later.
 - Have a diver move the target along the bottom
- Schedule
 - Hans at sea June 3-8, 13-16, 20-22, 28-29
 - Eric at sea June 2-6, 13-19, 22-23
 - Caress out June 6-10, on travel June 19-26
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