

LIGO tasks from the FDR:

April 9, 2007

**Brian O'Reilly**

1. Mu metal shield inside of the GS-13 cans? LIGO will measure the sensitivity of the GS-13 to stray fields.
2. LIGO will provide GS-13's (at least 2) plus four more GS-13 pods will dummy masses inside for the dirty test assembly.

**Mike Zucker:**

3. Negotiate with Dennis and Mike on the lubrication and vacuum requirements of the spring compressor screw, nut, thrust bearing, rod ends, etc. Use Ball moly lube process? Allow lubrication with Krytox?
4. LIGO will review the spec (Ken and Mike and Dennis) on the table top flatness: part spec, system requirement, whatever, since it potentially has a large impact on cost.

**Dennis Coyne:**

5. LIGO /Dennis will check the 78 cm table height requirement.

**Ken Mason:**

6. Gull wing structure integrity to be reviewed by LIGO.
7. Cabling issues to be discussed by Ken.
8. LIGO will get back to HPD on the tightening/lubrication issues for the bolted connections
9. LIGO will try and get 1 operator from each site to help with dirty assembly at HPD, and probably support the testing, and help with disassembly and shipping.
10. LIGO will provide the assembly stand for the dirty testing at HPD?

**Brian Lantz:**

11. Can the locker/locators be rotated by 15 degrees (to 45 degrees) to protect the vertical forcers better? – Done: 7.5 degrees more (to 37.5 degrees)
12. Brian Lantz and Jonas will review the locker/locator rotational position to optimize for travel while protecting the actuators and displacement sensors.
13. Resolve the sensor target flatness requirement.
14. LIGO will calculate a tolerance for the vertical actuator mounting
15. LIGO / Brian to write a test plan for the testing at HPD.