

aLIGO Integration status

23 May 2012

Communication

- New email list created for aLIGO integration & commissioning:

aligo_ifo@ligo.org

Sign up: <https://grouper.ligo.org/selfmanage/aligoIFO>

- Biweekly commissioning meetings at LHO:
Mon & Thur, 8.45 am local
- Weekly commissioning meetings at LLO:
Mon afternoon

Integration status at LHO: Buildup to H2OAT

- ITMY chamber (BSC8): everything installed and closed up
 - Pumping began last week; minimum of 2 weeks before opening GV to tube
 - ISI controls commissioning in progress
- ETMY chamber (BSC6): still open
 - Final suspension measurements & alignment tweaks
 - Expect to close up next week
 - 2 week minimum pumpdown
- Start of H2OAT, as marked by sending light down the arm, looks like mid-June

Integration status at LLO: Buildup to Input Mode Cleaner

- HAM3 chamber: everything installed
 - HEPI mechanics installed, but not connected
 - ISI controls: transfer functions being measured
- HAM2 chamber:
 - ISI installed
 - Nothing on table yet; should start soon
- PSL/IO table
 - PSL is ready
 - IO almost finished; need to route beam into HAM2 (periscope mirrors, tubes, viewports)
- In-vacuum IMC locking could start around end-July


Integration Issue Tracking

- Bugzilla installation for issue tracking (J Hanks)

<https://services.ligo-wa.caltech.edu/integrationissues/>

aLIGO Integration Issue Tracker

Welcome to Bugzilla



The image shows a screenshot of the Bugzilla web interface. At the top, it says 'aLIGO Integration Issue Tracker' and 'Welcome to Bugzilla'. There are three main buttons: a green button with a bug icon labeled 'File a Bug', an orange button with a magnifying glass icon labeled 'Search', and a blue button with a person icon labeled 'User Preferences'. At the bottom, there is a search bar with the text 'Enter a bug # or some search terms' and a 'Quick Search' button. Below the search bar, there are links for 'Quick Search help', 'Install the Quick Search plugin', 'Bugzilla User's Guide', and 'Release Notes'. A watermark 'G1200588-v1' is visible in the center of the page.

[File a Bug](#) [Search](#)

[User Preferences](#)

Enter a bug # or some search terms [Quick Search](#)

[Quick Search help](#) | [Install the Quick Search plugin](#)
G1200588-v1
[Bugzilla User's Guide](#) | [Release Notes](#)

What to put in the issue tracker?

- Things that are broken and don't get fixed right away
- Hardware modifications that need to get propagated to all instances
- Problems that may be neglected if they are only noted in the alog
- New feature requests
- Not for software bugs – use CDS bugzilla for that
- Other suggestions for how to use it are welcome

Entering Issues

Bugzilla calls them **Products**, for us they're the **subsystems**

aLIGO Integration Issue Tracker

First, you must pick a product on which to enter a bug:

- AOS**: aLIGO AOS
- COC**: Core Optics Components
- DAQ**: Data Acquisition
- FMP**: Facilities
- IO**: Input Optics
- ISC**: Interferometer Sensing & Control
- PEM**: Physical Environment Monitoring
- PSL**: Pre-Stabilized Laser
- SCM**: State Control and Monitoring
- SEI**: Seismic Isolation
- SUS**: Suspensions
- SYS**: Systems Engineering
- TCS**: Thermal Compensation System

Will expand AOS to:
Stray Light Control
Optical Levers
Photon Calibrator
Transmission Monitor

Entering issues, cont'd

aLIGO Integration Issue Tracker

Before reporting a bug, please read the [bug writing guidelines](#), please look at the list of [most frequently reported bugs](#), and please [search](#) for the bug.

[Show Advanced Fields](#) (* = Required Field)

Product: ISC **Reporter:** peter.fritschel@LIGO.ORG

* **Component:**
H1
I1
L1
Component Description
Select a component to read its description.

Version: **Severity:**

Hardware: **OS:**

We've made a guess at your operating system and platform. Please check them and make any corrections if necessary.

* **Summary:**

Description:

Attachment:

You must enter a **Component**

- **aLIGO:** issue applies to all interferometers
- **H1:** issue applies to H1 only
- **L1:** issue applies to L1 only
- **I1:** issues applies to I1 only

Other fields are designed for software bug tracking, and can be ignored

Assignees & Status

- Each component, for each product (subsystem), has default assignee names – i.e., email addresses for notification
 - Propose that the default assignee, for all components of a subsystem, be the subsystem lead
 - Default CC list: subsystem co-lead
- Status starts out as ‘NEW’; can be changed to:
 - ‘ASSIGNED’ (use to indicate issue is being worked)
 - ‘RESOLVED’

Current issues in the system

aLIGO Integration Issue Tracker

Tue May 22 2012 11:34:14 PDT

[Bugzilla would like to put a random quip here, but no one has entered any.](#)

Status: NEW, ASSIGNED, REOPENED

ID ▲	Sev	Pri ▲	OS	Assignee ▲	Status ▲	Resolution	Summary
1	maj	Hig	Othe	daniel.sigg@LIGO.ORG	NEW	---	TMSY IR QPD2 should be replaced
2	maj	Hig	Othe	daniel.sigg@LIGO.ORG	NEW	---	One reed switch on TMSY beam diverter is stuck
3	nor	Hig	Othe	peter.fritschel@LIGO.ORG	NEW	---	Unintentional ground connection at GS-13 pods

3 bugs found.

[CSV](#) | [Feed](#) | [iCalendar](#) | as

[Change Columns](#) | [Edit Search](#)

[Change Several Bugs at Once](#) |

[Send Mail to Bug Assignees](#) |

Note that search result list does not indicate subsystem (product)
Could add the subsystems as choices for the **OS** field - ?