



LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY
ADVANCED LIGO PARTICULATE SPECIMEN RECORD

Instructions:

- 1) If not already familiar with sample collection procedures, read the following before proceeding:
 - [LIGO-E1201096](#): Contamination Sample Handling – How to receive, use, send, and store samples
 - [LIGO-T1300014](#): Aligo, BSC Flooring + HAM ISI, Witness Sample Placement Guidelines
- 2) If needed, obtain a particulate sampling kit from Calum Torrie or purchase the supplies outlined in E1201096. It is helpful to have a variety of Class B tweezers and picks on hand for in-vacuum collection.
- 3) Reserve a new document number (T-type) from the [LIGO Document Control Center](#). Each sample must have a unique DCC number.
- 4) Add the DCC number to the list of related documents for one of the three groupings listed below. This is done by changing the metadata. Do not create a new revision.
 - [LIGO-T1300196](#): Grouping of 4” Wafer Specimens
 - [LIGO-T1300197](#): Grouping of 1” Optic Specimens
 - [LIGO-T1300198](#): Grouping of “FBI” Carbon Adhesive Tab Specimens
- 5) Complete this form for **ALL** specimens, regardless of the collection method. Provide as much information as possible. There should be one record per specimen. Do not include data for multiple specimens in one record.
- 6) File the completed form on the DCC under the reserved number as v1.
- 7) Ship a printed copy of the completed form(s) with the particulate sample(s) to Calum Torrie at Caltech.
- 8) Send Calum Torrie an e-mail notification when a particulate sample package is in route. Include the relevant DCC numbers, and indicate whether or not testing results are urgent.
- 9) Analysis of the collected samples will be posted as v2 for each DCC record.

To avoid destroying samples and/or harming the person opening the packages, please ensure the samples are properly packaged per [LIGO-E1201096](#).



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Only one sample per record

DCC number: (e.g. LIGO-T13xxxxx-v1)	
Date collected:	
Collected by:	
E-mail address:	
Phone number:	
Site:	<input type="checkbox"/> Hanford <input type="checkbox"/> Livingston
Collection method:	<input type="checkbox"/> 1" Optics <input type="checkbox"/> Carbon Tabs (FBI Kit) <input type="checkbox"/> Silicon Wafers
Specimen location:	
Particulate material: (Best guess)	
History: (Length of time in chamber, purges, etc.)	
Notes:	
Photographs: (Before, during, and after)	