

Originator	Cognizant Engineer	Ext./Phone#	Project	Account Number
Luke Williams	Luke Williams	352-392-4947 OR 352-328-6473	ELIGO IO FI STAINLESS FASTENERS BAKE	

Dwg/Part Number	Rev	Part Description / Material	Serial Number	Qty
94355A192		18-8 SS Flat Point Socket Set Screw 8-32 Thread, 3/8" Length		25
95412A881		18-8 Stainless Steel Fully Threaded Stud 8-32 Thread, 2" Length		20
92196A565		18-8 Stainless Steel Socket Head Cap Screw 1/4"-20 Thread, 6" Length		6
92196A537		18-8 Stainless Steel Socket Head Cap Screw 1/4"-20 Thread, 1/2" Length		100
92196A540		18-8 Stainless Steel Socket Head Cap Screw 1/4"-20 Thread, 3/4" Length		100
92196A541		18-8 Stainless Steel Socket Head Cap Screw 1/4"-20 Thread, 7/8" Length		100
92196A546		18-8 Stainless Steel Socket Head Cap Screw 1/4"-20 Thread, 1-1/2" Length		25

Used In (next higher assembly):	ELIGO IO FARADAY ISOLATOR
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Vendor Name	PO/Contract Number
McMaster-Carr	

Data Package, Receiving/Inspection Remarks:

Inspection Required Y/N	Visual Damage Y/N	Comments	Name/ Initials	Date Comp.

N.B.: A copy of this traveller must be submitted to the DCC each time the original is shipped with the associated part(s) and when the traveller has been completed.

	DCC Number: E 070254-00-D
	Date Prepared: 10-26-07

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Process Flow:

#	Operation	Start Date	Work Area	Instructions	Name/ Initials	Date Comp.
1	Clean			Per E960022-B, Class A		
2	Vacuum Bake			Per E960022-B, Class A, 200C for 48 hours		
3	Control Point			Review/Approve RGA scan C11507_LW		
4	Wrap & Tag vacuum clean parts			Wrap (UHV foil) and place in ameristat bags.		
5	Ship and Deliver/File paperwork			Please send with Fed Ex Overnight to: Kate Dooley LIGO Livingston Laboratory 19100 LIGO Lane Livingston, LA 70754 USA File one copy of traveler with the DCC. Note: Ship original traveler with these parts.		

END: Go to Traveler or procedure associated with next higher assembly processing

Special Instructions (Handling/Packaging Constraints, Remarks, etc.) or Notes:

<p>Hi Bob, these parts were scheduled to be class A clean and baked at LLO, but the schedule was interrupted when the oven went down. We are hoping to start using these parts on Nov. 1st, so anything that can be done to get these parts processed and shipped back to LLO as quickly as possible will be greatly appreciated. If there are any problems, please call me at 352-328-6473. Thanks, Luke</p> <p>Please do not assemble any parts after cleaning.</p>

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Pressure Contribution from Flag Hydrocarbons

40M Lab RGA Scan Results

Job# C11507_LW

Description: ELIGO IO FI SS FASTENERS

Date: 11/5/2007

Oven Used: C

AMU 41	1.00E-14	amps	from RGA scan listing
AMU 43	1.20E-14	amps	from RGA scan listing
AMU 53	1.50E-15	amps	from RGA scan listing
AMU 55	1.20E-15	amps	from RGA scan listing
AMU 57	1.00E-15	amps	from RGA scan listing

Sum Flag H/C AMUs 2.57E-14 amps

Calib leak rate 2.36E-10 torr l/s (Argon)

AMU 40 (w/leak open) 1.00E-13 amps

AMU 40 (background) 6.00E-15 amps

Calib leak contributes 9.40E-14 amps = (w/leak open) - (background)

Flag H/C Outgassing 6.452E-11 torr l/s = (Sum Flag H/C AMUs) x (Calib leak rate)/(Calib leak contrib.)

Test item surf area ? cm²

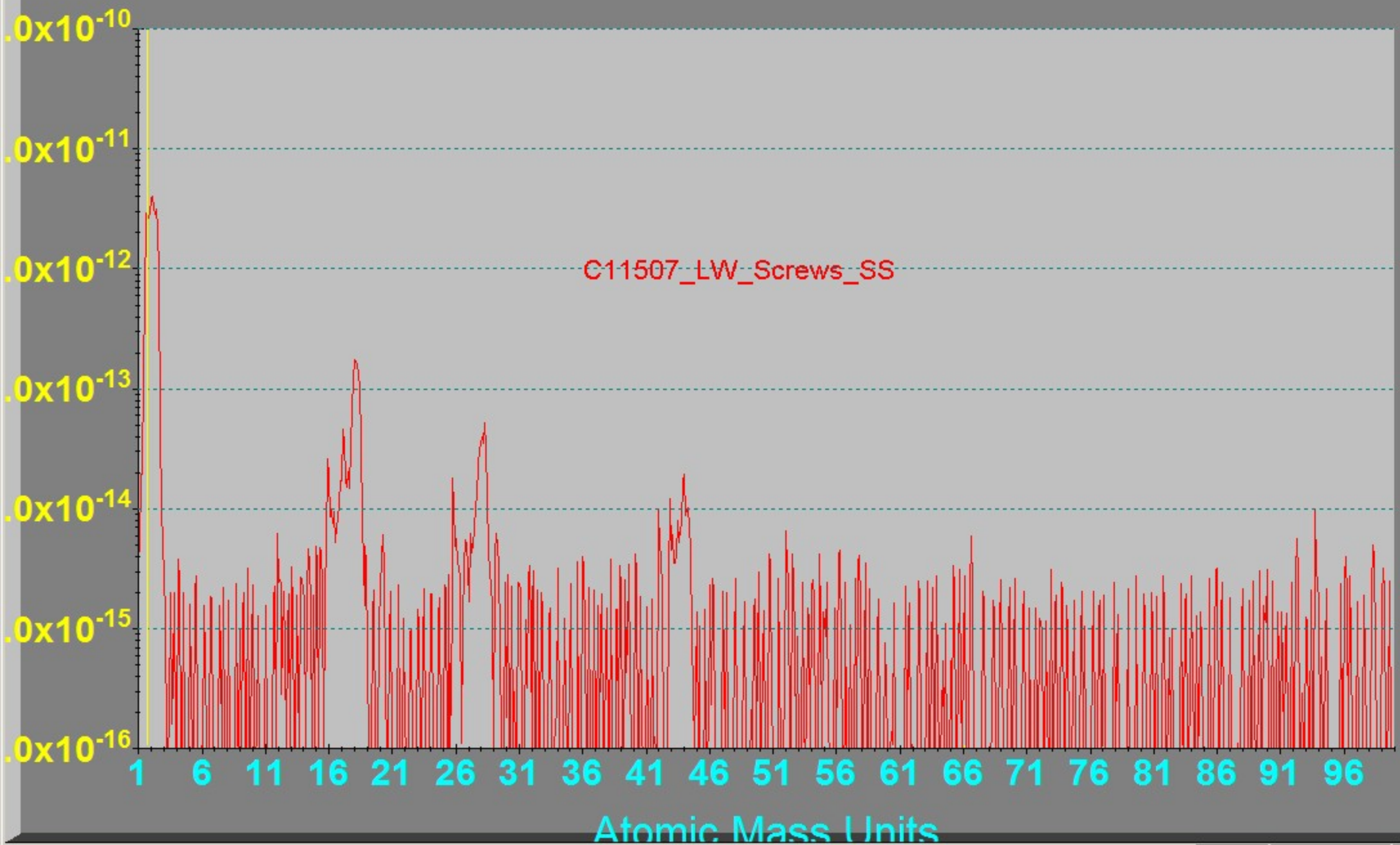
Normalized outgassing #VALUE! torr l/s-cm² = Flag H/C Outgassing/Test item surf area

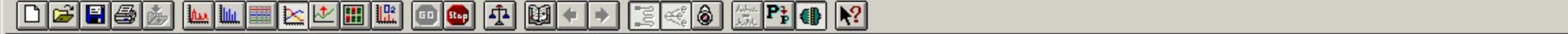
Full description: See Traveler

Pre-scan bake: 200C for 48Hrs

Amps

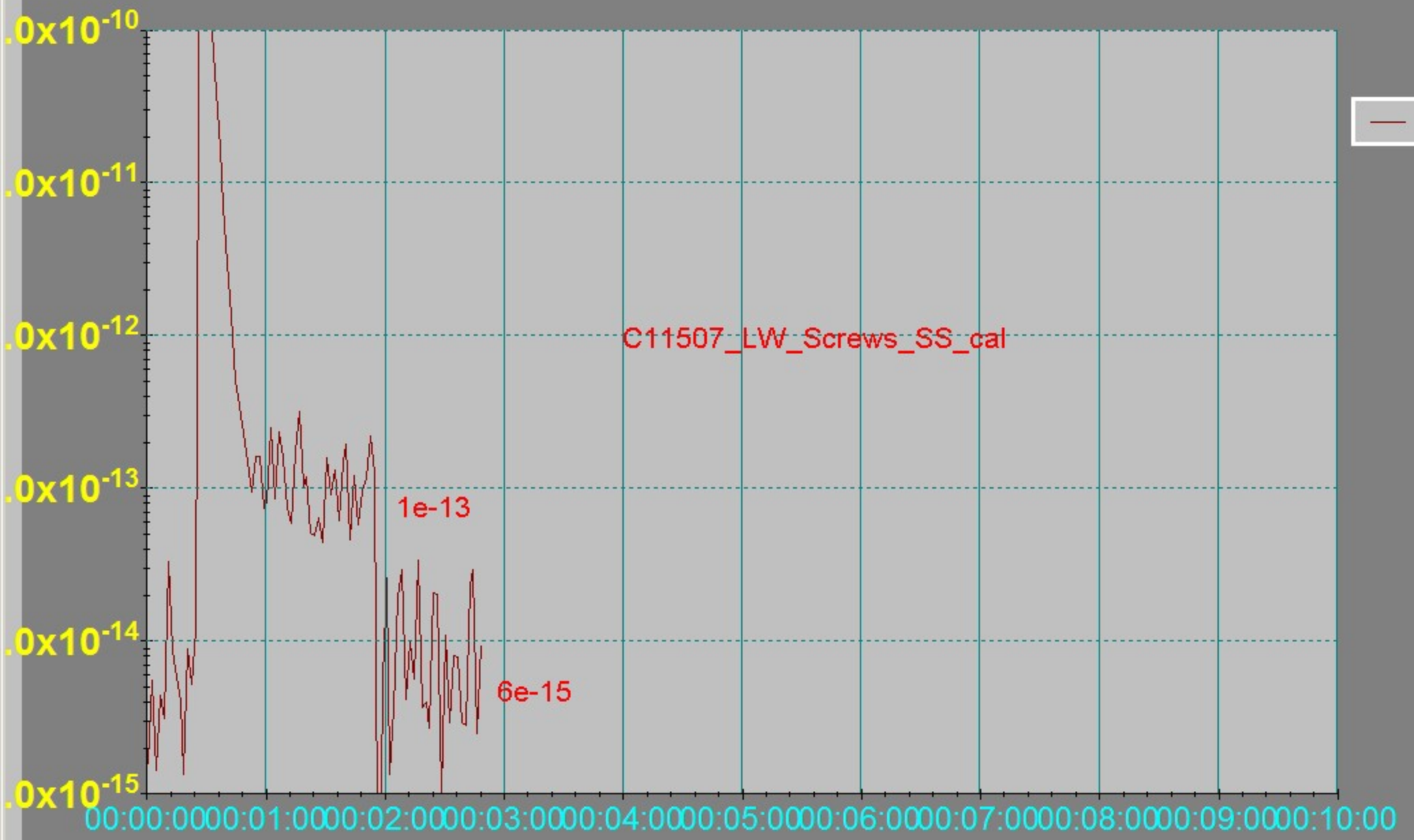
RGA Analog Scan





Amps

RGA P vs T Scan



Time (hh:mm:ss)