advancedligo

DCC Number: E070273-00-D
Date Prepared: 11/5/07

Originator	Cognizant Engineer	Ext./Phone#	Project	Account Number
Stephany Foley	Ken Mason	617-324-5250	ELIGO HAM	

Dwg/Part Number	Rev	Part Description / Material		Qty
Accuglass PN 600200		3ft twisted pair with one 25 pin male subD and two 9 pin female subD		4
Accuglass PN 600334		13 ft twisted pair with 40 AWG shield and outer braid of PEEK; 25 pin PEEK female subD at both ends		4
Accuglass PN 600202		13 ft twisted pair with 40 AWG shield and outer braid of PEEK; 3 pin PEEK female subD at both ends		6

Used In (next higher assembly):	

Vendor Name	PO/Contract Number
accuglass	

Data Package, Receiving/Inspection Remarks:

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

Process Flow:

#	Operation	Start Date	Work Area	Instructions	Name/ Initials	Date Comp.
1	Clean		Caltech	per E960022: Ultrasonic clean in methanol for 10 minutes.		
2	Vacuum Bake			per E960022: Bake in vacuum at 120°C for 48 hours		
3	Control Point			Review/Approve RGA scan	Dennis Coyne Digitally signed by Dennis Coyne DN: cn=Dennis Coyne, c=US, o=Caltech, ou=LIGO, email=coyne@ligo.caltech.edu Reason: I am approving this document Date: 2007.12.04 17:06:09 -08'00'	
4	Wrap & Tag vacuum clean parts					

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.

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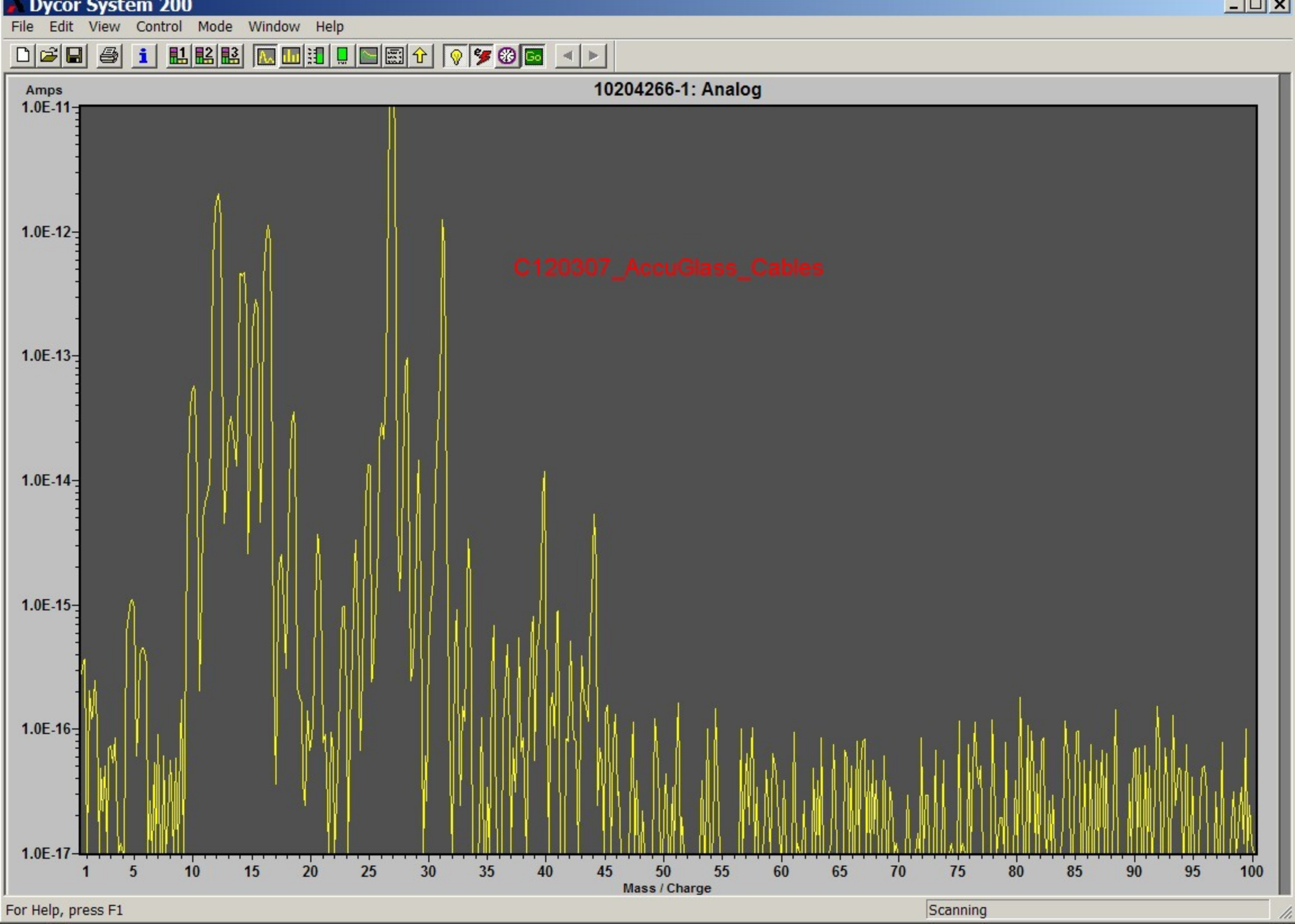
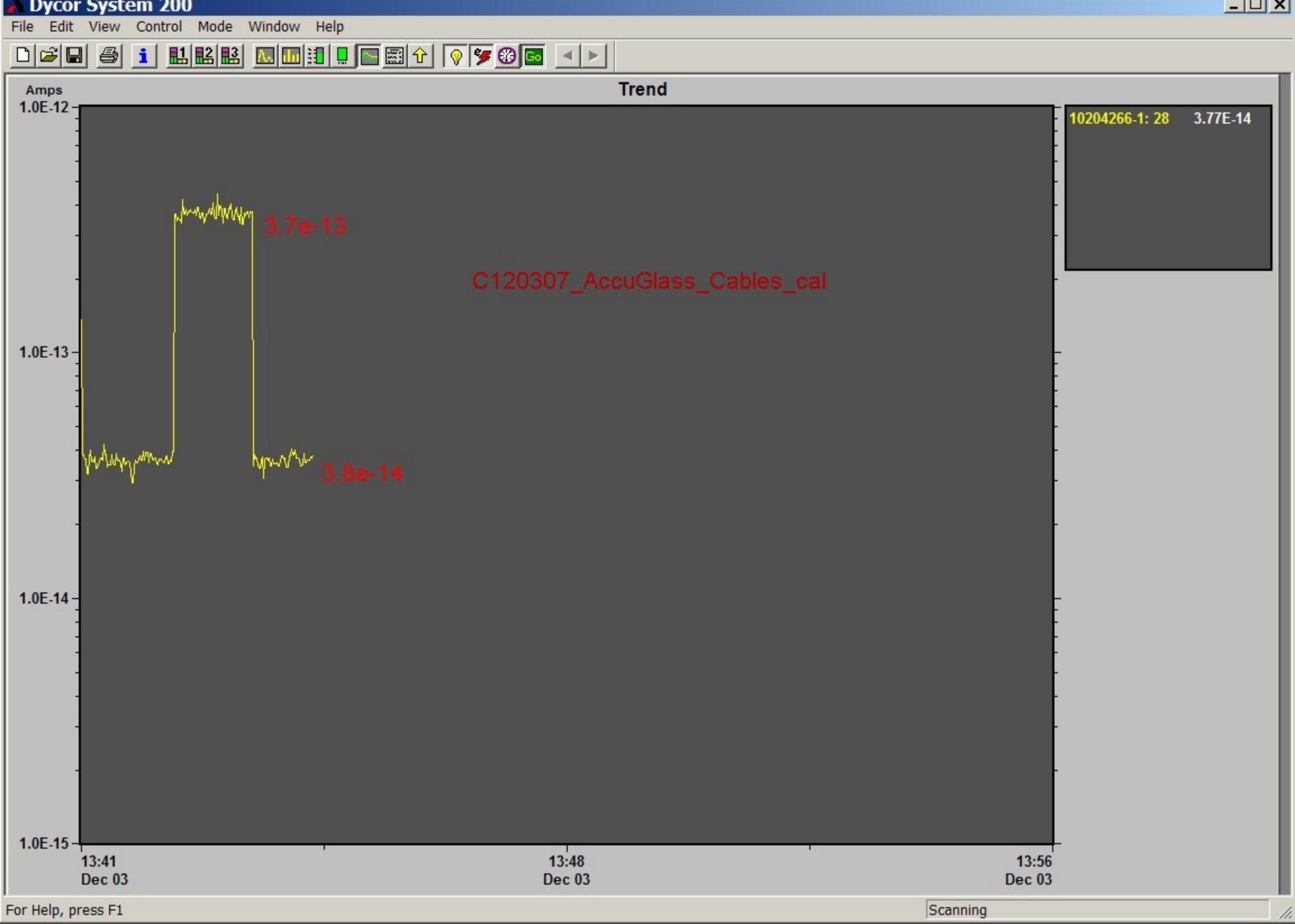
#	Operation	Start Date	Work Area	Instructions	Name/ Initials	Date Comp.
5	Ship and Deliver/File paperwork			Please send to: LLO c/o Ken Mason File one copy of traveler with the DCC. **Note: Ship original traveler with these parts.**		
END: Go to Traveler or procedure associated with next higher assembly processing						

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

These cables go to the Livingston site when cleaned.

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.


Dycor System 200
File Edit View Control Mode Window Help
10204266-1: Analog
Amps
1.0E-11
1.0E-12
1.0E-13
1.0E-14
1.0E-15
1.0E-16
1.0E-17
C120307_AccuGlass_Cables
1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
Mass / Charge
For Help, press F1
Scanning


Dycor System 200
File Edit View Control Mode Window Help
Trend
Amps
1.0E-12
1.0E-13
1.0E-14
1.0E-15
10204266-1: 28 3.77E-14
3.7e-13
3.8e-14
C120307_AccuGlass_Cables_cal
13:41
Dec 03
13:48
Dec 03
13:56
Dec 03
For Help, press F1
Scanning

Pressure Contribution from Flag Hydrocarbons

40M Lab RGA Scan Results

Job# C12307 | Description: AccuGlass Cables | Date: 12/3/2007

Oven Used: C

AMU 41	1.20E-15	amps	from RGA scan listing
AMU 43	4.50E-16	amps	from RGA scan listing
AMU 53	2.50E-17	amps	from RGA scan listing
AMU 55	0.00E+00	amps	from RGA scan listing
AMU 57	6.00E-17	amps	from RGA scan listing
Sum Flag H/C AMUs	1.74E-15	amps	
Calib leak rate	2.36E-10	torr l/s	(Argon)
AMU 40 (w/leak open)	3.70E-13	amps	
AMU 40 (background)	3.80E-14	amps	
Calib leak contributes	3.32E-13	amps	= (w/leak open) - (background)
Flag H/C Outgassing	1.233E-12	torr l/s	= (Sum Flag H/C AMUs) x (Calib leak rate)/(Calib leak contrib.)
Test item surf area		cm2	10 AccuGlass Cables
Normalized outgassing	#DIV/0!	torr l/s-cm2	= Flag H/C Outgassing/Test item surf area

Full description: 10 AccuGlass Cables with PEEK brading & Connectors

Pre-scan bake: 120C for 48 Hrs.