Document Revision Record

Rev	Date	ECO#	Pages Affected	Description
-	12/13/97	-	all	new procedure

Equipment:

Rev B SQUID Flux Lock Electronics
SQUID Acceptance Probe
SQUID Acceptance Dewar
HP 54601A Oscilloscope
Fluke 77 Ohmmeter
Keithley 580 Mirco-ohmmeter

SQUID Carrier #_____
SQUID Package #_____
Date:_____

Note: SQUID is ESD/EOS sensitive. Use appropriate precautions.

Authorized Personnel:

B. Muhlfelder
M. Luo

Procedure:

1. Measure room temperature resistances of SQUID carrier. Record in Table 1.

Table 1

	Resistance (before shake)	Resistance (after shake)	Acceptable Range
Bias			300-600 ohms
Mod			4-10 kohms
Signal			1-3 ohms
Feedback			2-5 kohms

Oscilloscope S/N:
Database Ref #
Cal. Date

Micro Ohmmeter S/N:
Database Ref #
Cal. Date

Fluke Ohmmeter S/N:
Database Ref #
Cal. Date

Rev B SQUID Electronics S/N:
Database Ref #
Cal. Date

2. Install carrier into SQUID package and cool SQUID to 4.2 K

3. Connect SQUID electronics. Verify flux locking capability using feedback to the input circuit_____.

4. Warm SQUID to room temperature and remove from probe.

5. Shake SQUID at qual levels per Interdepartmental Communication GPB-100362. Verify adequacy of shaker and calibration of accelerometers. The acceleration levels are provided in Table 2 for reference:

Table 2

Frequency (hz)	g^2/hz
10	0.01
20	0.01
50	0.1
300	0.1
2000	0.002
Composite (grms)	7.14

6. Measure resistances of SQUID carrier. Record values in Table 1.

7. Install carrier into SQUID package and cool SQUID to 4.2 K

8. Connect SQUID electronics. Verify flux locking capability using feedback to the input circuit_____.

Note: Successful flux locking in this step is the success criteria for this procedure.

9. Warm SQUID to room temperature and remove from probe.

10. Procedure complete.

QA Rep._____
MIP signoff_____
RE signoff_____
date_____

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