

status of MACRO PMT pressure tests at SAB



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overview

- 150 waterproof MACRO EMI PMT assemblies need to be pressure tested at the SAB. They have already passed performance tests at DGUT.
- We test about 10 PMTs per week (mid-August to December).
- For more information, see [doc 5373](#).

As of September 16, we have passed 39 of 40 tested PMTs.



pressure test results

11 PMTs were tested during the past week (September 9 - September 15).

SN	Mass (g)	Pressure (psig)	Test time (h:m)	Status
7945	620.5!	12.2	14:46	*
7379	541!	6.3	08:35	**
8356	523!	6.3	15:17	*
7520	589.0!	12.1	08:11	*
7343	600	12.2	15:22	FAIL. LEAK into acrylic cap (see photo)
8756	590.5	12.1	23:08	* {added mastic tape at base}
7692	562	12.1	08:17	*
8870	587.5	12.1	15:39	A hole on the cable jacket. Fixed with mastic tape And shrink tubing. Will be tested again.
8901	606	12.1	07:42	*
6659	630	12.3	14:30	*
6432	603	12	08:33	*

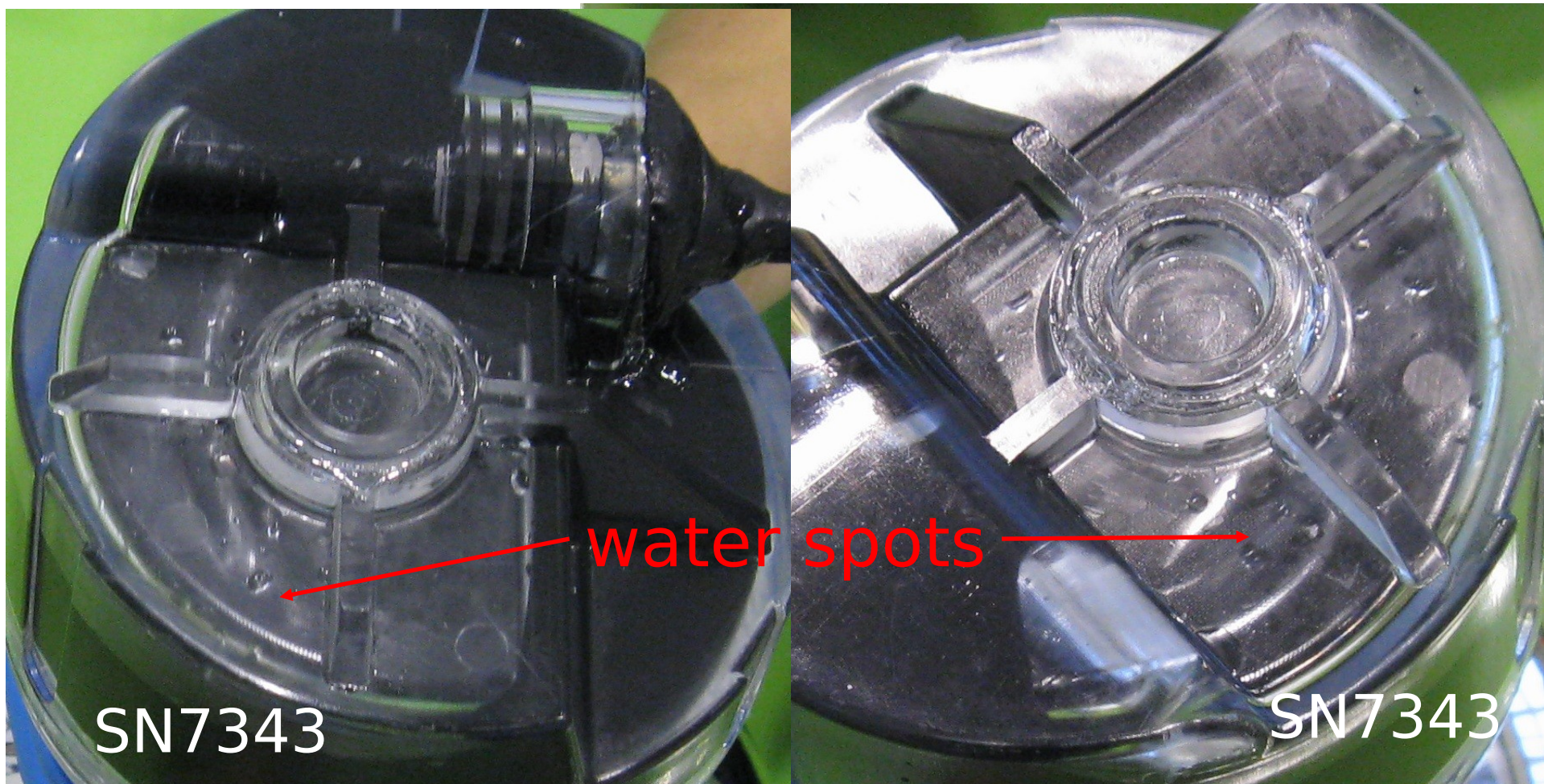
* PASS. Cable dry. No leaks or cracks.

** * + Some water penetrated the mastic tape seal of the cable strain relief plug, but did not penetrate the UW cable plug.

! recorded in the spreadsheet(doc4617) but not on the PMT boxes.

photos

water in acrylic shell cap



signal test results

- This week the oscilloscope was taken away for electronics tests. We will resume signal tests once the oscilloscope is available.