

# Half-module 10, test 1

Half-module ID: 10  
Test number: 1

## Test results

| Parameter   | Value |
|-------------|-------|
| ICAL        |       |
| ISHA        |       |
| VFP         |       |
| VFS         |       |
| Temperature |       |

Test data: [http://slac.stanford.edu/~meeg/SVT\\_production/half\\_module/10/1/data](http://slac.stanford.edu/~meeg/SVT_production/half_module/10/1/data)  
Test results (images and numerical values): [http://slac.stanford.edu/~meeg/SVT\\_production/half\\_module/10/1/plots](http://slac.stanford.edu/~meeg/SVT_production/half_module/10/1/plots)

### Baseline run

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Pedestal and noise (black markers are for all samples together, colored markers are individual samples)

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Sample-to-sample shift

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Noise correlations

Physical channel ordering:

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PDF:

- [http://slac.stanford.edu/~meeg/SVT\\_production/half\\_module/10/1/plots/hmodule10\\_pos\\_corr.pdf](http://slac.stanford.edu/~meeg/SVT_production/half_module/10/1/plots/hmodule10_pos_corr.pdf)
- [http://slac.stanford.edu/~meeg/SVT\\_production/half\\_module/10/1/plots/hmodule10\\_neg\\_corr.pdf](http://slac.stanford.edu/~meeg/SVT_production/half_module/10/1/plots/hmodule10_neg_corr.pdf)

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Readout channel ordering:

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PDF:

- [http://slac.stanford.edu/~meeg/SVT\\_production/half\\_module/10/1/plots/hmodule10\\_mux\\_pos\\_corr.pdf](http://slac.stanford.edu/~meeg/SVT_production/half_module/10/1/plots/hmodule10_mux_pos_corr.pdf)
- [http://slac.stanford.edu/~meeg/SVT\\_production/half\\_module/10/1/plots/hmodule10\\_mux\\_neg\\_corr.pdf](http://slac.stanford.edu/~meeg/SVT_production/half_module/10/1/plots/hmodule10_mux_neg_corr.pdf)

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### Timing calibration runs, aggregate shaping curve fits

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Fit parameters (colors identify calibration groups)

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### Timing calibration runs, hit-by-hit fits

Linearity of fitted T0 (ideal CR-RC fit on left, spline fit on right)

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Goodness of fit (ideal CR-RC fit on left, spline fit on right)

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Time resolution at each calibration delay (ideal CR-RC fit - stars mark error reported by fitter, dots mark spread in distribution of fitted values)

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