

SQUID Tuning Summary

HWMap Name: PB2 HWM

HWMap /home/polarbear/hardware_maps/polarbear/PB2b/commissioning/202305_crate_test/crate_hwm_202310_shift_disable_bad_sq_v2.y
Pa

Date: Fri Jun 21 03:23:57 2024

121 squids successfully tuned, 19 squids failed to tune

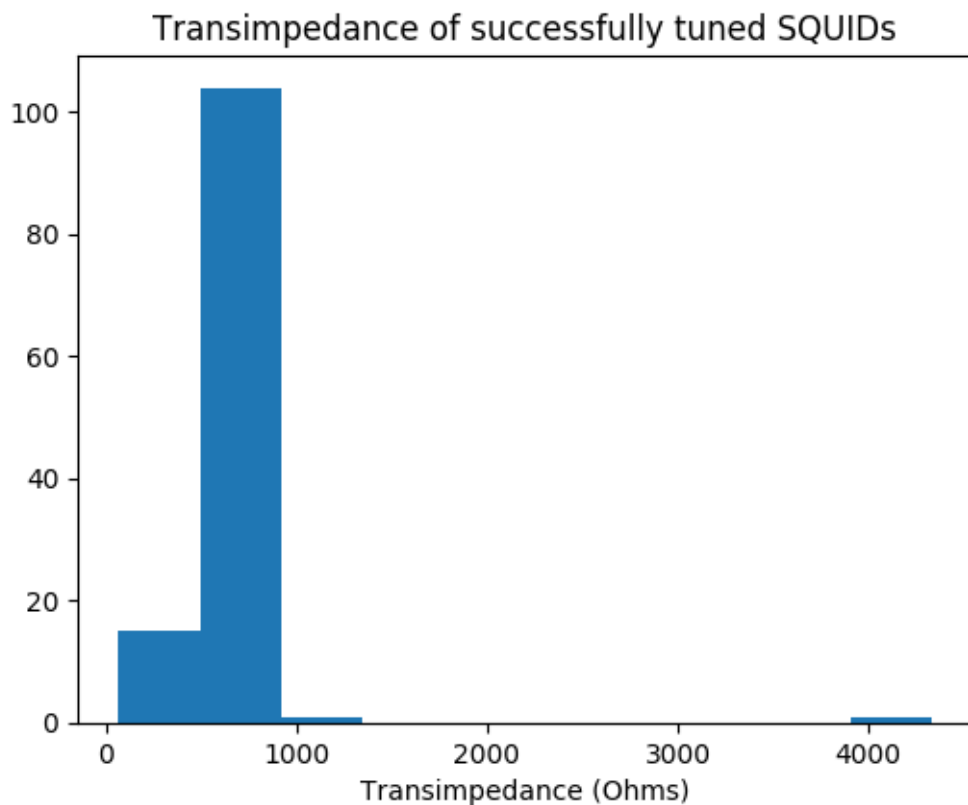
Successful Tunings

SqID	Current Bias (V_DAC)	Current Bias (uA)	Achieved Vpp (V_DAC)	Vpp (mV)	Measured Z_sq (Ohms)
Correct.1	0.88	42.79	0.37	4.94	723
Correct.2	0.88	42.58	0.37	4.86	729
Correct.3	0.88	43.08	0.36	4.76	733
Correct.4	0.87	42.19	0.35	4.62	733
Correct.5	0.92	45.98	0.34	4.45	663
Correct.6	0.88	43.21	0.35	4.58	729
Correct.7	0.87	42.53	0.33	4.39	713
Correct.8	0.90	44.31	0.33	4.43	684
Correct.2	0.86	41.33	0.35	4.70	752
Correct.3	0.89	43.61	0.36	4.78	785
Correct.4	0.88	43.07	0.37	4.93	801
Correct.1	0.91	45.34	0.34	4.52	64
Correct.2	0.92	45.98	0.34	4.45	628
Correct.3	0.92	46.47	0.36	4.76	4333
Correct.4	0.91	45.74	0.34	4.51	643
Correct.5	0.88	43.31	0.34	4.45	697
Correct.6	0.91	45.05	0.34	4.54	640
Correct.7	0.92	45.99	0.33	4.43	660
Correct.8	0.88	42.89	0.33	4.37	735
Correct.1	0.87	41.97	0.34	4.51	677
Correct.2	0.87	42.50	0.40	5.25	815
Correct.3	0.89	43.81	0.36	4.77	716
Correct.4	0.92	45.80	0.34	4.55	649
Correct.5	0.92	46.12	0.35	4.59	647
Correct.6	0.92	46.29	0.35	4.61	682
Correct.7	0.92	46.08	0.34	4.54	656

Correct.8	0.92	46.09	0.34	4.54	669
Correct.1	0.87	42.30	0.36	4.72	781
Correct.2	0.89	43.54	0.36	4.80	773
Correct.4	0.88	42.93	0.37	4.85	805
Correct.1	0.87	42.07	0.37	4.90	753
Correct.2	0.88	42.69	0.39	5.16	791
Correct.3	0.87	42.02	0.38	4.97	762
Correct.4	0.86	41.50	0.36	4.83	772
Correct.5	0.87	42.34	0.37	4.85	792
Correct.6	0.87	42.36	0.36	4.78	752
Correct.7	0.88	42.99	0.37	4.88	787
Correct.1	0.81	37.52	0.00	0.07	384
Correct.2	0.92	46.42	0.37	4.83	683
Correct.3	0.91	45.70	0.34	4.50	651
Correct.4	0.92	45.83	0.34	4.47	643
Correct.5	0.90	44.79	0.34	4.52	638
Correct.6	0.91	45.62	0.34	4.54	623
Correct.7	0.87	42.24	0.34	4.55	739
Correct.8	0.89	43.51	0.34	4.49	731
Correct.5	0.87	42.42	0.37	4.88	775
Correct.6	0.82	38.34	0.37	4.86	772
Correct.7	0.87	42.03	0.35	4.64	744
Correct.8	0.82	38.51	0.36	4.73	789
Correct.1	0.88	42.67	0.33	4.41	763
Correct.2	0.87	42.09	0.32	4.29	687
Correct.3	0.90	44.79	0.34	4.45	656
Correct.4	0.88	42.61	0.34	4.49	739
Correct.5	0.91	45.48	0.36	4.77	674
Correct.6	0.87	42.28	0.38	5.06	782
Correct.7	0.89	43.75	0.36	4.78	753
Correct.8	0.89	43.70	0.35	4.67	744
Correct.1	0.91	45.48	0.34	4.52	701
Correct.2	0.91	45.56	0.35	4.60	675
Correct.3	0.86	40.95	0.01	0.09	137
Correct.4	0.90	44.94	0.33	4.41	282
Correct.5	0.91	45.41	0.36	4.73	852
Correct.6	0.90	44.77	0.32	4.21	275
Correct.7	0.91	45.47	0.35	4.61	613
Correct.8	0.88	42.98	0.34	4.53	730

Correct.1	0.86	41.16	0.36	4.73	679
Correct.2	0.87	42.52	0.40	5.27	877
Correct.3	0.90	44.29	0.38	5.09	788
Correct.4	0.89	43.88	0.37	4.90	807
Correct.5	0.81	37.37	0.01	0.12	155
Correct.6	0.88	43.35	0.37	4.95	800
Correct.7	0.87	42.23	0.35	4.63	722
Correct.8	0.88	42.81	0.36	4.72	814
Correct.1	0.91	45.16	0.34	4.50	647
Correct.2	0.91	45.46	0.34	4.51	640
Correct.3	0.81	37.11	0.01	0.12	255
Correct.4	0.92	45.99	0.33	4.41	665
Correct.5	0.91	45.63	0.33	4.43	664
Correct.6	0.91	45.02	0.34	4.46	625
Correct.7	0.76	32.98	0.01	0.08	172
Correct.8	0.91	45.00	0.33	4.37	654
Correct.1	0.88	43.21	0.38	4.98	845
Correct.2	0.87	42.24	0.36	4.76	730
Correct.3	0.86	41.48	0.35	4.62	692
Correct.4	0.87	42.25	0.35	4.69	765
Correct.1	0.78	34.57	0.01	0.15	180
Correct.2	0.87	42.55	0.29	3.86	675
Correct.3	0.81	37.15	0.04	0.52	242
Correct.4	0.91	45.18	0.27	3.63	600
Correct.5	0.87	42.56	0.26	3.44	1002
Correct.6	0.88	43.03	0.26	3.41	635
Correct.7	0.86	41.69	0.17	2.27	360
Correct.8	0.90	44.93	0.23	3.06	491
Correct.1	0.88	42.98	0.34	4.49	778
Correct.2	0.87	42.10	0.32	4.22	633
Correct.3	0.81	37.39	0.02	0.20	258
Correct.4	0.81	37.25	0.02	0.24	138
Correct.1	0.92	46.12	0.37	4.86	741
Correct.2	0.89	43.57	0.37	4.92	757
Correct.3	0.87	42.48	0.37	4.90	824
Correct.4	0.91	45.26	0.36	4.78	775
Correct.5	0.87	42.55	0.37	4.92	766
Correct.6	0.87	42.41	0.36	4.83	812
Correct.7	0.87	42.02	0.36	4.73	812

Correct.8	0.88	42.76	0.34	4.53	674
Correct.1	0.87	42.30	0.37	4.83	801
Correct.2	0.89	43.82	0.36	4.70	737
Correct.3	0.85	40.64	0.34	4.47	755
Correct.4	0.87	42.23	0.35	4.69	731
Correct.5	0.84	39.87	0.25	3.36	639
Correct.6	0.86	41.74	0.25	3.29	485
Correct.7	0.82	38.45	0.28	3.68	417
Correct.8	0.82	38.51	0.36	4.71	851
Correct.1	0.87	42.09	0.35	4.69	725
Correct.2	0.87	41.88	0.35	4.57	669
Correct.3	0.86	41.42	0.35	4.59	685
Correct.4	0.90	44.23	0.35	4.70	687
Correct.5	0.88	43.00	0.35	4.67	784
Correct.6	0.92	45.89	0.36	4.73	758
Correct.7	0.83	38.92	0.39	5.10	828
Correct.8	0.88	42.82	0.38	4.97	846



Failed Tunings

SqlID	Failure reason
Correct.1	The max peak to peak was less than 0.005. Squid may have trapped flux or not be functioning properly.
Correct.5	The temperature reading was invalid - is the squid controller plugged in?
Correct.6	The temperature reading was invalid - is the squid controller plugged in?
Correct.7	The temperature reading was invalid - is the squid controller plugged in?
Correct.8	The temperature reading was invalid - is the squid controller plugged in?
Correct.3	The max peak to peak was less than 0.005. Squid may have trapped flux or not be functioning properly.
Correct.8	The max peak to peak was less than 0.005. Squid may have trapped flux or not be functioning properly.
Correct.1	The temperature reading was invalid - is the squid controller plugged in?
Correct.2	The temperature reading was invalid - is the squid controller plugged in?
Correct.3	The temperature reading was invalid - is the squid controller plugged in?
Correct.4	The temperature reading was invalid - is the squid controller plugged in?
Correct.5	The temperature reading was invalid - is the squid controller plugged in?
Correct.6	The temperature reading was invalid - is the squid controller plugged in?
Correct.7	The temperature reading was invalid - is the squid controller plugged in?
Correct.8	The temperature reading was invalid - is the squid controller plugged in?
Correct.5	The temperature reading was invalid - is the squid controller plugged in?
Correct.6	The temperature reading was invalid - is the squid controller plugged in?
Correct.7	The temperature reading was invalid - is the squid controller plugged in?
Correct.8	The temperature reading was invalid - is the squid controller plugged in?