

channel #	response to 10 kel calibration input				thresholds set (V)			
	QWAD01	QWAD02	QWAD03	QWAD04	QWAD01	QWAD02	QWAD03	QWAD04
1	-0.112	-0.114	-0.113	-0.114	-0.0392	-0.0400	-0.0397	-0.0400
2	-0.108	-0.101	-0.108	-0.108	-0.0378	-0.0354	-0.0377	-0.0379
3	-0.098	-0.104	-0.103	-0.105	-0.0343	-0.0363	-0.0361	-0.0368
4	-0.101	-0.102	-0.100	-0.098	-0.0354	-0.0358	-0.0351	-0.0343
5	-0.092	-0.093	-0.092	-0.093	-0.0322	-0.0325	-0.0322	-0.0325
6	-0.090	-0.096	-0.090	-0.095	-0.0315	-0.0337	-0.0315	-0.0333
7	-0.115	-0.115	-0.121	-0.117	-0.0403	-0.0404	-0.0423	-0.0410
8	-0.112	-0.114	-0.116	-0.115	-0.0392	-0.0401	-0.0405	-0.0402
9	-0.104	-0.108	-0.109	-0.109	-0.0364	-0.0377	-0.0381	-0.0381
10	-0.109	-0.107	-0.107	-0.105	-0.0382	-0.0374	-0.0374	-0.0368
11	-0.100	-0.098	-0.097	-0.100	-0.0350	-0.0342	-0.0339	-0.0350
12	-0.091	-0.096	-0.096	-0.094	-0.0319	-0.0336	-0.0337	-0.0330
13	-0.123	-0.123	-0.124	-0.120	-0.0431	-0.0431	-0.0433	-0.0421
14	-0.121	-0.118	-0.124	-0.119	-0.0424	-0.0412	-0.0434	-0.0415
15	-0.111	-0.112	-0.111	-0.111	-0.0389	-0.0393	-0.0390	-0.0390
16	-0.112	-0.108	-0.112	-0.107	-0.0392	-0.0378	-0.0393	-0.0374
17	-0.103	-0.104	-0.103	-0.097	-0.0361	-0.0364	-0.0362	-0.0341
18	-0.096	-0.101	-0.099	-0.098	-0.0336	-0.0352	-0.0348	-0.0341
19	-0.130	-0.128	-0.129	-0.128	-0.0455	-0.0446	-0.0451	-0.0447
20	-0.123	-0.127	-0.131	-0.126	-0.0431	-0.0446	-0.0459	-0.0439
21	-0.112	-0.111	-0.112	-0.112	-0.0392	-0.0388	-0.0392	-0.0393
22	-0.112	-0.112	-0.114	-0.113	-0.0392	-0.0391	-0.0399	-0.0397
23	-0.101	-0.105	-0.105	-0.105	-0.0354	-0.0367	-0.0366	-0.0368
24	-0.100	-0.102	-0.102	-0.098	-0.0350	-0.0358	-0.0358	-0.0343
25	-0.121	-0.128	-0.127	-0.129	-0.0424	-0.0448	-0.0443	-0.0451
26	-0.124	-0.124	-0.123	-0.120	-0.0434	-0.0434	-0.0429	-0.0421
27	-0.100	-0.112	-0.114	-0.113	-0.0350	-0.0394	-0.0399	-0.0394
28	-0.104	-0.111	-0.108	-0.112	-0.0364	-0.0387	-0.0379	-0.0391
29	-0.100	-0.114	-0.103	-0.101	-0.0350	-0.0399	-0.0362	-0.0352
30	-0.100	-0.098	-0.102	-0.100	-0.0350	-0.0342	-0.0356	-0.0349
31	-0.119	-0.125	-0.122	-0.116	-0.0417	-0.0439	-0.0429	-0.0406
32	-0.119	-0.115	-0.117	-0.112	-0.0417	-0.0402	-0.0408	-0.0392
33	-0.104	-0.107	-0.108	-0.108	-0.0364	-0.0374	-0.0377	-0.0379
34	-0.104	-0.108	-0.109	-0.106	-0.0364	-0.0377	-0.0382	-0.0371
35	-0.100	-0.095	-0.099	-0.102	-0.0350	-0.0333	-0.0345	-0.0357
36	-0.095	-0.097	-0.096	-0.097	-0.0333	-0.0340	-0.0336	-0.0340
37	-0.113	-0.114	-0.117	-0.116	-0.0396	-0.0398	-0.0410	-0.0407
38	-0.113	-0.108	-0.108	-0.109	-0.0396	-0.0378	-0.0378	-0.0381
39	-0.100	-0.103	-0.101	-0.100	-0.0350	-0.0359	-0.0355	-0.0350
40	-0.099	-0.101	-0.104	-0.102	-0.0347	-0.0354	-0.0364	-0.0357
41	-0.094	-0.095	-0.095	-0.091	-0.0329	-0.0332	-0.0331	-0.0319
42	-0.100	-0.092	-0.093	-0.094	-0.0350	-0.0322	-0.0327	-0.0330
43	-0.111	-0.121	-0.108	-0.113	-0.0389	-0.0422	-0.0379	-0.0396
44	-0.112	-0.112	-0.111	-0.110	-0.0392	-0.0392	-0.0390	-0.0384
45	-0.107	-0.105	-0.112	-0.107	-0.0375	-0.0366	-0.0391	-0.0375
46	-0.109	-0.110	-0.108	-0.108	-0.0382	-0.0386	-0.0378	-0.0378
47					-0.0400	-0.0400	-0.0400	-0.0400
48					-0.0400	-0.0400	-0.0400	-0.0400

channel #	response to 10 kel calibration input				thresholds set			
	QWAD05	QWAD06	QWAD07	QWAD08	QWAD05	QWAD06	QWAD07	QWAD08
1	-0.105	-0.131	-0.114	-0.112	-0.037	-0.046	-0.040	-0.039
2	-0.108	-0.079	-0.109	-0.109	-0.038	-0.028	-0.038	-0.038
3	-0.101	-0.118	-0.104	-0.104	-0.035	-0.041	-0.036	-0.036
4	-0.099	-0.121	-0.105	-0.105	-0.035	-0.042	-0.037	-0.037
5	-0.089	-0.113	-0.095	-0.095	-0.031	-0.040	-0.033	-0.033
6	-0.091	-0.111	-0.093	-0.093	-0.032	-0.039	-0.033	-0.033
7	-0.115	-0.137	-0.119	-0.119	-0.040	-0.048	-0.042	-0.042
8	-0.113	-0.135	-0.115	-0.115	-0.040	-0.047	-0.040	-0.040
9	-0.101	-0.128	-0.109	-0.109	-0.035	-0.045	-0.038	-0.038
10	-0.103	-0.124	-0.103	-0.103	-0.036	-0.043	-0.036	-0.036
11	-0.097	-0.121	-0.099	-0.099	-0.034	-0.042	-0.035	-0.035
12	-0.097	-0.111	-0.099	-0.099	-0.034	-0.039	-0.035	-0.035
13	-0.117	-0.146	-0.126	-0.126	-0.041	-0.051	-0.044	-0.044
14	-0.119	-0.142	-0.123	-0.123	-0.042	-0.050	-0.043	-0.043
15	-0.107	-0.132	-0.114	-0.114	-0.037	-0.046	-0.040	-0.040
16	-0.111	-0.134	-0.112	-0.112	-0.039	-0.047	-0.039	-0.039
17	-0.099	-0.121	-0.099	-0.099	-0.035	-0.042	-0.035	-0.035
18	-0.098	-0.119	-0.098	-0.098	-0.034	-0.042	-0.034	-0.034
19	-0.123	-0.152	-0.128	-0.128	-0.043	-0.053	-0.045	-0.045
20	-0.121	-0.147	-0.124	-0.124	-0.042	-0.051	-0.043	-0.043
21	-0.109	-0.132	-0.115	-0.115	-0.038	-0.046	-0.040	-0.040
22	-0.109	-0.134	-0.111	-0.111	-0.038	-0.047	-0.039	-0.039
23	-0.101	-0.126	-0.108	-0.108	-0.035	-0.044	-0.038	-0.038
24	-0.100	-0.118	-0.103	-0.103	-0.035	-0.041	-0.036	-0.036
25	-0.124	-0.152	-0.127	-0.127	-0.043	-0.053	-0.044	-0.044
26	-0.120	-0.147	-0.123	-0.123	-0.042	-0.051	-0.043	-0.043
27	-0.109	-0.128	-0.106	-0.106	-0.038	-0.045	-0.037	-0.037
28	-0.106	-0.130	-0.104	-0.109	-0.037	-0.046	-0.036	-0.038
29	-0.098	-0.121	-0.104	-0.104	-0.034	-0.042	-0.036	-0.036
30	-0.098	-0.116	-0.101	-0.101	-0.034	-0.041	-0.035	-0.035
31	-0.119	-0.141	-0.119	-0.119	-0.042	-0.049	-0.042	-0.042
32	-0.115	-0.139	-0.121	-0.121	-0.040	-0.049	-0.042	-0.042
33	-0.103	-0.123	-0.119	-0.105	-0.036	-0.043	-0.042	-0.037
34	-0.106	-0.118	-0.102	-0.102	-0.037	-0.041	-0.036	-0.036
35	-0.097	-0.115	-0.099	-0.099	-0.034	-0.040	-0.035	-0.035
36	-0.090	-0.114	-0.095	-0.095	-0.032	-0.040	-0.033	-0.033
37	-0.108	-0.136	-0.116	-0.116	-0.038	-0.048	-0.041	-0.041
38	-0.103	-0.135	-0.115	-0.115	-0.036	-0.047	-0.040	-0.040
39	-0.100	-0.120	-0.104	-0.104	-0.035	-0.042	-0.036	-0.036
40	-0.100	-0.120	-0.102	-0.102	-0.035	-0.042	-0.036	-0.036
41	-0.090	-0.112	-0.095	-0.095	-0.032	-0.039	-0.033	-0.033
42	-0.092	-0.106	-0.092	-0.092	-0.032	-0.037	-0.032	-0.032
43	-0.110	-0.130	-0.112	-0.112	-0.039	-0.046	-0.039	-0.039
44	-0.106	-0.131	-0.108	-0.108	-0.037	-0.046	-0.038	-0.038
45	-0.107	-0.129	-0.108	-0.108	-0.038	-0.045	-0.038	-0.038
46	-0.107	-0.126	-0.110	-0.112	-0.038	-0.044	-0.039	-0.039
47					-0.040	-0.040	-0.040	-0.040
48					-0.040	-0.040	-0.040	-0.040

channel #	response to 10 kel calibration input				thresholds set			
	QWAD09	QWAD10	QWAD11	QWAD12	QWAD09	QWAD10	QWAD11	QWAD12
1	-0.108	-0.110	-0.113		-0.0379	-0.0385	-0.0396	
2	-0.108	-0.112	-0.113		-0.0379	-0.0390	-0.0396	
3	-0.104	-0.101	-0.100		-0.0365	-0.0354	-0.0350	
4	-0.100	-0.099	-0.098		-0.0348	-0.0345	-0.0345	
5	-0.094	-0.088	-0.093		-0.0330	-0.0308	-0.0327	
6	-0.089	-0.089	-0.095		-0.0310	-0.0311	-0.0333	
7	-0.123	-0.113	-0.115		-0.0431	-0.0395	-0.0401	
8	-0.104	-0.114	-0.116		-0.0364	-0.0399	-0.0404	
9	-0.102	-0.105	-0.111		-0.0357	-0.0367	-0.0387	
10	-0.104	-0.104	-0.107		-0.0363	-0.0363	-0.0376	
11	-0.099	-0.097	-0.096		-0.0345	-0.0341	-0.0335	
12	-0.095	-0.092	-0.100		-0.0334	-0.0322	-0.0350	
13	-0.120	-0.115	-0.120		-0.0418	-0.0401	-0.0419	
14	-0.115	-0.116	-0.124		-0.0403	-0.0406	-0.0434	
15	-0.106	-0.107	-0.113		-0.0370	-0.0376	-0.0396	
16	-0.110	-0.109	-0.110		-0.0387	-0.0380	-0.0384	
17	-0.101	-0.095	-0.100		-0.0354	-0.0333	-0.0349	
18	-0.097	-0.096	-0.102		-0.0340	-0.0338	-0.0355	
19	-0.126	-0.121	-0.126		-0.0440	-0.0425	-0.0441	
20	-0.126	-0.132	-0.126		-0.0440	-0.0460	-0.0440	
21	-0.109	-0.112	-0.105		-0.0383	-0.0391	-0.0369	
22	-0.111	-0.105	-0.108		-0.0388	-0.0369	-0.0378	
23	-0.097	-0.100	-0.105		-0.0340	-0.0350	-0.0369	
24	-0.100	-0.107	-0.103		-0.0350	-0.0376	-0.0362	
25	-0.121	-0.124	-0.126		-0.0424	-0.0434	-0.0443	
26	-0.121	-0.122	-0.123		-0.0424	-0.0427	-0.0432	
27	-0.107	-0.108	-0.108		-0.0374	-0.0378	-0.0378	
28	-0.106	-0.105	-0.110		-0.0372	-0.0367	-0.0386	
29	-0.101	-0.100	-0.103		-0.0355	-0.0349	-0.0360	
30	-0.098	-0.102	-0.099		-0.0343	-0.0357	-0.0346	
31	-0.119	-0.115	-0.125		-0.0418	-0.0403	-0.0437	
32	-0.114	-0.111	-0.115		-0.0401	-0.0388	-0.0403	
33	-0.107	-0.102	-0.107		-0.0376	-0.0357	-0.0374	
34	-0.103	-0.103	-0.107		-0.0359	-0.0362	-0.0376	
35	-0.094	-0.093	-0.101		-0.0331	-0.0327	-0.0352	
36	-0.093	-0.095	-0.095		-0.0324	-0.0331	-0.0334	
37	-0.113	-0.112	-0.117		-0.0396	-0.0392	-0.0409	
38	-0.107	-0.107	-0.112		-0.0375	-0.0375	-0.0392	
39	-0.103	-0.097	-0.099		-0.0361	-0.0338	-0.0347	
40	-0.103	-0.096	-0.102		-0.0362	-0.0338	-0.0356	
41	-0.093	-0.097	-0.097		-0.0324	-0.0340	-0.0339	
42	-0.089	-0.087	-0.094		-0.0310	-0.0306	-0.0330	
43	-0.108	-0.107	-0.114		-0.0376	-0.0374	-0.0399	
44	-0.104	-0.108	-0.110		-0.0364	-0.0376	-0.0386	
45	-0.107	-0.106	-0.103		-0.0376	-0.0369	-0.0362	
46	-0.107	-0.104	-0.108		-0.0376	-0.0364	-0.0378	
47					-0.0400	-0.0400	-0.0400	
48					-0.0400	-0.0400	-0.0400	