

*****Bad Channels as well as other bad signals removed from results*****

Dataset	Channel	True Positive	False Positive	True Negative	False Negative
pig37	2	11	0	4279	0
	4	11	0	4279	0
	6	3	1	4280	7
	7	11	0	4279	0
	10	11	0	4279	0
	11	9	0	4279	2
	14	11	0	4279	0
	18	11	0	4279	0
	20	11	0	4279	0
	21	11	0	4279	0
	22	11	0	4279	0
	25	11	0	4279	0
	26	10	0	4279	1
	27	11	0	4279	0
	30	11	0	4279	0
		154	1	64186	10

Data	Chnannel	TP	FP	TN	FN
pig41	18	28	1	26912	0
	13	29	2	26911	0
	25	29	0	26911	0
	11	29	5	26911	0
	28	29	1	26911	0
	20	30	1	26910	0
	3	28	0	26911	1
	19	25	4	26915	0
	6	27	0	26911	2
	8	29	2	26911	0
	12	28	2	26911	1
	27	29	0	26911	0
	30	29	4	26911	0
	36	26	0	26911	3
	10	29	2	26911	0
	37	29	0	26908	3
	38	29	7	26911	0
	15	29	0	26909	2
	40	29	0	26911	0
	29	29	6	26911	0
		569	37	538219	12

Data	Chnannel	TP	FP	TN	FN
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exp16

9	4	3	9595	0
11	4	2	9595	0
19	2	3	9595	2
20	3	5	9595	1
21	3	4	9595	1
22	1	5	9596	2
23	4	4	9595	0
37	3	2	9595	1
39	3	2	9595	1
40	4	2	9595	0
41	4	1	9595	0
42	4	1	9595	0
43	4	2	9595	0
44	4	2	9595	0
45	3	4	9595	1
46	3	5	9595	1
48	1	7	9595	3
49	1	8	9595	3
50	3	6	9595	1
51	1	9	9595	3
52	1	10	9595	3
68	4	1	9595	0
69	4	3	9595	0
70	4	2	9595	0
71	4	2	9595	0
72	4	1	9595	0
73	4	1	9595	0
74	5	1	9594	0
76	2	6	9595	2
77	1	8	9595	3
78	1	6	9595	3
79	1	9	9595	3
82	1	8	9595	3
101	4	1	9595	0
103	4	1	9595	0
104	4	1	9595	0
105	2	2	9595	2
106	4	1	9595	0
108	2	6	9595	2
109	1	6	9595	3
129	4	1	9595	0
133	4	1	9595	0
134	3	1	9595	1
135	4	1	9595	0
136	4	1	9595	0
140	4	2	9595	0
156	4	1	9595	0
162	5	0	9594	0
163	5	1	9594	0
164	5	0	9594	0
165	5	0	9594	0
166	5	0	9594	0
167	4	2	9595	0
168	5	2	9594	0
169	5	1	9593	1

170	4	2	9595	0
171	5	2	9594	0
172	5	1	9594	0
173	4	2	9594	1
174	5	2	9594	0
175	6	2	9593	0
185	3	1	9595	1
187	4	1	9595	0
188	4	0	9595	0
193	4	1	9594	1
194	5	1	9594	0
195	5	0	9594	0
196	5	0	9594	0
197	5	1	9594	0
198	4	0	9594	1
226	2	1	9594	3
227	2	1	9594	3
228	3	1	9593	3
229	4	0	9594	1
230	4	1	9594	1
231	5	1	9594	0
234	5	2	9591	3
236	3	3	9594	2
247	4	1	9595	0
248	4	1	9595	0
249	4	1	9595	0
250	4	1	9595	0
294		197	786758	66

Data	Chnannel	TP	FP	TN	FN	
exp10	19	4	4	9594	1	
	7	3	5	9596	0	
	21	5	3	9593	1	
	12	4	4	9595	0	
	25	4	6	9595	0	
	20	4	1	9595	0	
	6	4	5	9595	0	
	28	4	2	9595	0	
	26	4	3	9595	0	
	24	4	3	9595	0	
	27	4	5	9595	0	
	22	4	4	9595	0	
	17	4	4	9595	0	
	14	4	2	9595	0	
	50	4	1	9595	0	
	51	4	1	9595	0	
	52	3	2	9595	1	
	53	3	3	9595	1	
	54	2	6	9595	2	
	55	1	8	9595	3	
	56	1	4	9595	3	
	57	0	9	9595	4	
	58	3	2	9595	1	

59	1	9	9595	3
60	0	8	9595	4
	78	104	239873	24

Runtime Results

at 32 HZ

Sorted value f


31.9391513	34.3943428
31.9010127	34.3923082
32.3212122	34.3876259
32.152454	34.3810676
31.9603055	34.3741623
31.762137	34.3679001
32.1627722	34.3609577
32.101503	34.3568163
31.7465204	34.3303003
31.7759201	34.3167759
32.3184056	34.3087396
32.0129836	34.308417
31.7141206	34.2988292
31.7339139	34.29673
31.7887505	34.2941814
32.2628888	34.2814448
31.9934666	34.2804861
32.0533397	34.2752646
32.0115075	34.247931
31.7427049	34.2468566
32.2655173	34.2415296
31.8817961	34.2385134
31.8694995	34.2365133
32.0743423	34.2248738
31.9998038	34.2217859
31.932036	34.2030334
32.113035	34.2007883
32.2910663	34.1832289
32.0908679	34.1782749
31.8781893	34.169411
31.8292642	34.1669637
31.9766545	34.1511467
31.7171676	34.1344687
32.2519961	34.1005091
32.0843581	34.0901817
31.8282632	34.0871692
32.0275476	34.0834508
31.7339093	34.0785556
32.2431781	34.0768173
31.9790488	34.0745886

32.0452458	34.0601079
32.0571223	34.0482666
32.1286488	34.0403963
31.9339685	34.0302743
31.7492841	34.0131459
31.987501	34.0088513
31.7301416	34.0007519
32.1651019	33.9979266
31.723941	33.9907037
32.3011739	33.9853256
32.1676946	33.9789686
32.2905932	33.960899
32.0234193	33.9166968
31.85177	33.8854298
31.8637781	33.8847377
32.1781537	33.8836555
32.3258059	33.8808787
31.9247246	33.8702958
32.1743004	33.865598
31.7693306	33.8435229
32.0761385	33.8406473
31.971275	33.8304565
32.1603524	33.8201572
31.864541	33.8002743
31.7597288	33.7977599
31.984107	33.7935495
32.1032469	33.773021
31.7831845	33.7710696
31.9852781	33.7620929
32.1108857	33.7520204
32.2210089	33.7494076
31.8940885	33.7430622
31.9534891	33.7391065
32.2570657	33.7299812
32.1413651	33.722815
31.8523795	33.7151606
32.178694	33.705558
31.8832832	33.6946463
31.8747864	33.6908531
31.7038479	33.6906212
31.936068	33.6434379
31.9752677	33.6433511
31.891708	33.6312184
31.883242	33.627704

31.8527853		33.6222001
32.2901107		33.6169916
32.2419199		33.6110356
31.9502538		33.6060059
32.002034		33.6048088
32.0559475		33.6014395
32.0084602		32.6823159
31.8699813		32.6687263
32.3235363		32.6613707
31.8157157		32.5440718
32.2428437		32.53101
31.7205585		32.5085274
31.9091336		32.4938138
32.1717106		32.4453493
32.1059509		32.423023
31.8066199		32.3504661
32.6823159		32.3258059
32.53101		32.3235363
32.423023		32.3212122
32.5440718		32.3184056
32.6687263		32.3011739
32.6613707		32.2910663
32.5085274		32.2905932
32.4938138		32.2901107
32.4453493		32.2655173
32.3504661		32.2628888
34.2030334	At 30 Hz	32.2570657
33.705558		32.2519961
33.8847377		32.2431781
33.9166968		32.2428437
34.308417		32.2419199
33.6169916		32.2210089
34.2752646		32.178694
33.8304565		32.1781537
33.8002743		32.1743004
33.9907037		32.1717106
34.1832289		32.1676946
33.7620929		32.1651019
33.773021		32.1627722
34.3810676		32.1603524
34.0745886		32.152454
33.8435229		32.1413651
34.3741623		32.1286488
34.3167759		32.113035

33.7520204	32.1108857
33.6014395	32.1059509
34.169411	32.1032469
34.2941814	32.101503
33.6946463	32.0908679
33.6312184	32.0843581
34.0785556	32.0761385
34.0834508	32.0743423
34.0131459	32.0571223
33.6060059	32.0559475
34.1511467	32.0533397
34.3568163	32.0452458
34.2988292	32.0275476
33.6906212	32.0234193
33.8836555	32.0129836
33.7935495	32.0115075
34.0482666	32.0084602
34.0901817	32.002034
33.8406473	31.9998038
34.2385134	31.9934666
34.2365133	31.987501
34.2248738	31.9852781
33.8808787	31.984107
33.6434379	31.9790488
34.1669637	31.9766545
34.3943428	31.9752677
33.7299812	31.971275
33.6908531	31.9603055
34.3303003	31.9534891
33.9853256	31.9502538
34.2814448	31.9391513
34.247931	31.936068
33.7494076	31.9339685
33.7977599	31.932036
33.6433511	31.9247246
34.0871692	31.9091336
34.2217859	31.9010127
34.0088513	31.8940885
33.6222001	31.891708
34.3923082	31.8832832
34.0007519	31.883242
33.865598	31.8817961
33.7391065	31.8781893
34.1005091	31.8747864

34.0601079	31.8699813
34.2007883	31.8694995
33.722815	31.864541
33.8854298	31.8637781
33.7151606	31.8527853
34.2804861	31.8523795
33.8702958	31.85177
33.8201572	31.8292642
33.6048088	31.8282632
34.2415296	31.8157157
33.9979266	31.8066199
34.0302743	31.7887505
34.29673	31.7831845
34.1782749	31.7759201
34.1344687	31.7693306
33.7430622	31.762137
34.0403963	31.7597288
34.3679001	31.7492841
34.0768173	31.7465204
34.2468566	31.7427049
34.3876259	31.7339139
34.3087396	31.7339093
33.7710696	31.7301416
33.627704	31.723941
33.960899	31.7205585
33.6110356	31.7171676
33.9789686	31.7141206
34.3609577	31.7038479



pig37 bad channels: 1,3,5,12,13,15,16,17,19,23,28

change window length manually (detection sig) / 4 - 1 (from 1000 to 1059) to cover whole sign

50 is the changed offset for this signal

PPV	99.35483871
Accuracy	99.98290625
Sensitivity	93.90243902
Specificity	99.99844205

bad channels: 1,4,5,14,16,17,21,22,23,24,26,33,34,39
rest of them were bad signals

PPV	0.938943894
Accuracy	99.99090634
Sensitivity	97.93459552
Specificity	99.99312595

as indicated in a previous finding by Larissa and Darryl ignore glitch spike

PPV	0.598778004
Accuracy	99.96659533
Sensitivity	81.66666667
Specificity	99.9749668

activations with pacing artifacts is causing issue
artifacts problems

PPV	0.428571429
Accuracy	99.94668422
Sensitivity	76.47058824
Specificity	99.95666251

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