

Physical Arrangement of Digitizers in S4@GSI – mounted on beam right rack

(This table includes the positions of digitizers in S4, their IP's and MAC addresses)

**used at LNL or used for test purposes*

R↑ = from 'bottom' to 'top' - mounted on rack right to the beam direction

Nomenclature of New IP's → 10 . 10 . x . y = local-network . x = core/segment-ids . y = digitiser-unit-id

Here; x = 30, i.e., Core module id, and y = 31, i.e., Segment module id

Position	Module	Old IP*	New IP	MAC address
R↑1	Core10	10.10.31.10	10.10.30.10	00-20-4A-91-9D-F3
	Segment10	10.10.30.8	10.10.31.10	00-20-4A-91-9D-95
R↑2	Core11	10.10.30.15	10.10.30.11	00-20-4A-A6-16-F2
	Segment11	10.10.31.8	10.10.31.11	00-20-4A-91-9D-CC
R↑3	Core12	10.10.30.10	10.10.30.12	00-20-4A-91-44-0D
	Segment12	10.10.31.10	10.10.31.12	00-20-4A-91-9D-CA
R↑4	Core13	10.10.30.12	10.10.30.13	00-20-4A-91-9D-E3
	Segment13	10.10.31.12	10.10.31.13	00-20-4A-91-9D-D4
R↑5	Core14	193.48.87.98	10.10.30.14	00-20-4A-CA-0B-4A
	Segment14	193.48.87.109	10.10.31.14	00-20-4A-CA-0B-4C
R↑6	Core15	198.168.7.88	10.10.30.15	00-20-4A-C9-89-92
	Segment15	198.168.7.89	10.10.31.15	00-20-4A-C9-86-99
R↑7	Core16	10.10.30.11	10.10.30.16	00-20-4A-91-44-14
	Segment16	10.10.31.11	10.10.31.16	00-20-4A-91-9D-C2
R↑8	Core17	10.10.30.7	10.10.30.17	00-20-4A-91-9C-99
	Segment17	10.10.31.7	10.10.31.17	00-20-4A-91-9D-D3
R↑9	Core18	10.10.30.3	10.10.30.18	00-20-4A-91-9D-D8
	Segment18	10.10.31.3	10.10.31.18	00-20-4A-91-9D-BA
R↑10	Core19	10.10.30.17	10.10.30.19	00-20-4A-91-9D-F1
	Segment19	10.10.31.17	10.10.31.19	00-20-4A-91-9D-C3
R↑11	Core20	10.10.30.5	10.10.30.20	00-20-4A-91-9D-DC
	Segment20	10.10.31.5	10.10.31.20	00-20-4A-91-9D-DE
R↑12	Core21	193.48.87.98	10.10.30.21	00-20-4A-C9-86-F1
	Segment21	193.48.87.98	10.10.31.21	00-20-4A-C9-88-EF

Noise test report

For noise test procedure, follow the steps as described in the following link;

http://g-wiki.gsi.de/pub/SWiki/Digitizers/Digitiser_Manual_v1.01.pdf

DIG#20

Segment20 13-04-2012_16-39

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8200.33	0.87	12.40	76.43	1550842
2	8239.12	0.91	12.34	76.04	1239873
3	8180.18	0.90	12.36	76.18	1200265
4	8236.56	0.88	12.39	76.36	1460294
5	8231.37	0.87	12.41	76.44	1447640

6	8193.38	0.88	12.39	76.34	1382098
7	8249.78	0.97	12.25	75.50	1324503

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8164.60	0.89	12.38	76.29	1409309
2	8240.02	0.89	12.37	76.24	871824
3	8210.44	0.89	12.38	76.30	1534168
4	8201.58	0.87	12.41	76.49	162200
5	8220.35	0.87	12.40	76.41	1082347
6	8178.73	0.90	12.36	76.17	1101809
7	8195.36	0.90	12.35	76.12	1171940

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8184.13	0.93	12.31	75.87	1446022
2	8256.98	0.87	12.41	76.48	974712
3	8195.67	0.88	12.39	76.33	1367477
4	8246.53	0.89	12.37	76.23	1361225
5	8182.55	0.90	12.35	76.14	1178767
6	8239.73	0.94	12.30	75.81	1201732
7	8176.75	0.91	12.35	76.10	896024

Segment 4

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8172.59	0.88	12.40	76.39	1413566
2	8188.79	0.81	12.50	77.03	954996
3	8238.24	0.95	12.29	75.73	1470888
4	8239.78	0.90	12.37	76.20	1173176
5	8188.47	0.86	12.42	76.52	1133486
6	8256.64	0.87	12.41	76.45	1068974
7	8246.83	0.92	12.33	76.01	940392

Core20

13-04-2012_16-39

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8201.59	0.88	12.39	76.35	2026203
2	8262.16	0.90	12.36	76.19	1507799
3	8260.24	0.88	12.39	76.32	2684912
4	8244.62	0.87	12.40	76.42	2525985
5	8269.34	0.91	12.35	76.11	2266508
6	8271.21	0.89	12.37	76.25	2297020
7	8231.89	0.91	12.35	76.12	1893662

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8243.53	1.72	11.42	70.52	2266134
2	8226.55	0.97	12.25	75.53	1769590
3	8294.05	0.96	12.26	75.59	3021847
4	8175.85	0.94	12.30	75.81	2516288
5	0.00	0.00	?	?	851942
6	8211.95	0.89	12.37	76.24	2003653
7	8258.56	0.91	12.34	76.03	2203621

Core

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8228.31	0.90	12.36	76.14	1844654

2 8219.38 0.93 12.31 75.89 1569287

DIG#19

Core19 13-04-2012_16-09

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8224.24	0.89	12.37	76.26	1664206
2	8180.84	0.89	12.38	76.30	1291800
3	8242.45	0.89	12.37	76.22	2971511
4	8244.48	0.88	12.39	76.36	2934460
5	8224.44	0.87	12.41	76.47	2269501
6	8252.73	0.86	12.42	76.51	2585785
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8172.40	1.24	11.89	73.35	1947739
2	8260.66	0.94	12.29	75.74	1471726
3	8183.42	0.95	12.28	75.71	3304803
4	8232.94	0.89	12.38	76.30	2429348
5	8229.78	1.47	11.66	71.93	3336378
6	8196.74	0.87	12.40	76.44	2542453
7	0.00	0.00	0.00	0.00	0

Core

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8284.99	0.89	12.38	76.27	1458305
2	8229.63	0.91	12.34	76.03	1519771

Segment19 13-04-2012_16-09

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8278.60	0.89	12.38	76.28	1635907
2	8183.94	0.99	12.23	75.36	1422462
3	8225.56	0.90	12.36	76.15	1362358
4	8252.42	0.90	12.36	76.16	1634054
5	8207.70	0.90	12.35	76.12	1037383
6	8219.64	0.90	12.36	76.16	1369865
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8204.78	0.98	12.24	75.44	1294735
2	8295.61	0.90	12.36	76.16	1085408
3	8181.63	0.96	12.26	75.58	1523685
4	8187.25	0.92	12.33	75.98	1431065
5	8175.49	1.00	12.21	75.29	1327944
6	8214.36	0.87	12.41	76.48	1390263
7	0.00	0.00	0.00	0.00	0

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
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1	8193.53	0.91	12.34	76.05	1373093
2	8242.77	0.91	12.34	76.04	1122865
3	8243.24	0.91	12.35	76.10	1593722
4	8241.76	1.11	12.06	74.37	1731128
5	8227.70	0.92	12.34	76.02	917476
6	8224.85	0.87	12.41	76.45	1150867
7	0.00	0.00	0.00	0.00	0
Segment 4					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8211.27	0.90	12.36	76.17	1276941
2	8219.91	0.87	12.40	76.42	993542
3	8269.02	0.87	12.41	76.49	1409323
4	8259.16	0.90	12.36	76.16	1369918
5	8202.34	0.91	12.35	76.08	970373
6	8261.53	0.88	12.40	76.38	1348830
7	0.00	0.00	0.00	0.00	0

DIG#18

Core18 **12-04-2012_13-35**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8292.84	0.88	12.39	76.34	2620095
2	8293.56	0.90	12.36	76.18	8685045
3	8303.04	0.95	12.28	75.70	6715698
4	8285.03	0.90	12.36	76.19	4697375
5	8271.00	0.92	12.33	76.01	3223326
6	8294.52	0.89	12.37	76.21	3945950
7	0.00	0.00	0.00	0.00	0
Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8230.37	1.82	11.35	70.07	3183617
2	8208.54	0.97	12.25	75.48	8483057
3	8161.20	0.99	12.22	75.35	6327469
4	8223.37	1.02	12.18	75.10	5739887
5	8285.49	0.93	12.31	75.89	3380213
6	8252.11	0.88	12.39	76.35	3401089
7	0.00	0.00	0.00	0.00	0

Core

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8322.19	0.94	12.29	75.77	2552537
2	8247.34	0.90	12.36	76.17	8125921

Segment18 **12-04-2012_13-35**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8244.17	0.86	12.43	76.58	1974362
2	8216.14	0.89	12.38	76.29	5566632
3	8217.41	0.89	12.37	76.25	3588807
4	8203.81	0.88	12.38	76.31	2457724

5	8172.50	0.92	12.33	76.01	1884285
6	8160.73	0.93	12.31	75.86	1638864
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8251.77	0.88	12.38	76.31	1875658
2	8221.91	0.99	12.22	75.34	6094240
3	8215.65	0.88	12.38	76.32	2950726
4	8193.14	0.88	12.39	76.36	2260701
5	8237.20	0.91	12.35	76.09	1608009
6	8202.76	0.89	12.38	76.27	1819558
7	0.00	0.00	0.00	0.00	0

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8236.59	0.94	12.30	75.81	2171596
2	8218.14	0.94	12.30	75.82	5975348
3	8154.06	1.46	11.66	71.98	4691166
4	8245.91	1.02	12.18	75.08	2765622
5	8232.71	1.23	11.91	73.45	1980446
6	8238.85	1.45	11.68	72.05	3024222
7	0.00	0.00	0.00	0.00	0

Segment 4

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8173.90	0.88	12.38	76.31	1855768
2	8239.84	0.89	12.37	76.24	5244722
3	8192.18	0.81	12.51	77.07	2663280
4	8213.65	0.87	12.40	76.41	2553994
5	8240.96	0.88	12.39	76.36	1434339
6	8265.53	0.88	12.39	76.33	1973625
7	0.00	0.00	0.00	0.00	0

DIG#17

Segment17 12-04-2012_12-09

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8245.15	0.90	12.36	76.17	1733145
2	8210.93	0.92	12.33	76.01	2021235
3	8176.15	0.92	12.32	75.95	1915209
4	8236.46	0.87	12.41	76.45	2630708
5	8191.73	0.78	12.56	77.36	1447906
6	8240.83	0.91	12.34	76.04	1208781
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8229.69	0.90	12.36	76.18	1761843
2	8211.27	0.91	12.35	76.11	1959243
3	8261.10	0.89	12.38	76.30	1706324
4	8255.32	0.98	12.24	75.44	2685739

5	8227.27	1.45	11.68	72.05	2000619
6	8236.09	0.89	12.37	76.25	1172289
7	0.00	0.00	0.00	0.00	0

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8244.49	0.91	12.34	76.04	1883538
2	8226.95	0.88	12.39	76.32	1607052
3	8223.03	1.03	12.16	74.96	2052044
4	8270.53	0.96	12.26	75.59	2554218
5	8196.19	0.86	12.43	76.57	1288826
6	8264.44	0.87	12.40	76.42	1131849
7	0.00	0.00	0.00	0.00	0

Segment 4

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8258.57	0.90	12.36	76.15	1662876
2	8210.94	0.84	12.46	76.76	1473236
3	8230.28	0.92	12.33	76.00	1755806
4	8268.49	0.88	12.39	76.33	2310840
5	8210.31	0.90	12.36	76.14	1264498
6	8208.77	0.86	12.42	76.53	1006496
7	0.00	0.00	0.00	0.00	0

Core17 **12-04-2012_12-09**

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8224.16	0.85	12.44	76.62	1998004
2	8217.38	0.89	12.38	76.29	2486434
3	8246.39	0.89	12.37	76.23	3548698
4	8216.47	0.92	12.33	76.00	4831594
5	8254.15	1.05	12.13	74.81	2861023
6	8191.20	0.83	12.48	76.86	2006169
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8202.85	1.77	11.38	70.29	2386266
2	8230.26	0.98	12.24	75.45	2321350
3	8214.35	0.98	12.23	75.39	3676796
4	8240.03	0.96	12.27	75.64	4322465
5	8249.46	0.91	12.35	76.11	2732455
6	8262.73	0.92	12.33	76.01	2240506
7	0.00	0.00	0.00	0.00	0

Core

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8310.83	0.90	12.37	76.21	1957744
2	8268.54	0.88	12.39	76.37	2284842

DIG#16

Segment16 **12-04-2012_11-49**

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8219.17	0.89	12.38	76.31	2453248
2	8247.22	0.90	12.36	76.19	1108933
3	8179.20	0.89	12.38	76.27	906086
4	8240.80	0.87	12.41	76.48	722787
5	8227.04	0.92	12.33	75.97	1253285
6	8229.70	0.90	12.36	76.17	1605757
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8292.07	0.90	12.36	76.14	2161076
2	8171.85	0.91	12.34	76.06	1064896
3	8192.40	0.96	12.27	75.65	1017990
4	8245.76	0.94	12.30	75.81	1003414
5	8217.97	1.11	12.06	74.36	1442001
6	8196.30	0.87	12.41	76.47	1351100
7	0.00	0.00	0.00	0.00	0

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8277.89	0.95	12.29	75.73	1118518
2	8254.32	1.53	11.60	71.57	1512642
3	8259.17	0.94	12.30	75.78	814772
4	8242.33	0.93	12.31	75.87	978264
5	8289.67	1.46	11.66	71.95	1983006
6	8324.67	0.97	12.25	75.53	1479647
7	0.00	0.00	0.00	0.00	0

Segment 4

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8203.04	0.89	12.37	76.25	898865
2	8213.02	0.88	12.39	76.33	857804
3	8231.41	0.88	12.40	76.40	830387
4	8200.39	0.86	12.43	76.59	932442
5	8167.35	0.92	12.33	76.01	1477331
6	8212.64	0.91	12.34	76.02	1238843
7	0.00	0.00	0.00	0.00	0

Core16 12-04-2012_11-49

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8231.75	0.86	12.43	76.57	1705839
2	8215.19	0.91	12.34	76.06	1280961
3	8238.88	0.92	12.32	75.95	1094703
4	8228.46	0.87	12.40	76.41	2795122
5	8225.66	0.92	12.32	75.93	1708884
6	8262.81	0.88	12.39	76.36	2533599
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8227.22	1.23	11.91	73.43	2938110
2	8291.17	0.92	12.32	75.93	1081588
3	8218.18	0.92	12.33	75.96	1237463
4	8196.99	0.90	12.36	76.16	880723
5	8197.00	0.90	12.36	76.16	4555321

6	8284.71	0.87	12.40	76.43	2490259
7	0.00	0.00	0.00	0.00	0
Core					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8205.61	0.95	12.28	75.69	2634682
2	8293.37	0.90	12.36	76.20	1245941

DIG#15

Segment15 **13-04-2012_17-34**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8246.87	1.02	12.17	75.04	1912999
2	8238.34	1.00	12.20	75.23	1053275
3	8215.21	0.90	12.35	76.12	1258743
4	8224.34	0.89	12.37	76.22	1408554
5	8226.04	1.01	12.19	75.16	1186565
6	8289.38	1.46	11.66	71.97	1680197
7	8205.82	1.66	11.48	70.85	1486332

Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8207.67	1.02	12.18	75.08	1821774
2	8265.55	0.92	12.34	76.02	852616
3	8227.89	0.94	12.29	75.77	1066738
4	8250.36	0.90	12.36	76.16	1448978
5	8266.81	0.95	12.28	75.67	1148275
6	8268.09	0.89	12.38	76.27	1005783
7	8284.41	1.00	12.20	75.23	1222226

Segment 3					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8222.29	1.10	12.08	74.45	1211342
2	8231.71	0.90	12.35	76.13	1213916
3	8208.87	0.88	12.39	76.33	871796
4	8233.46	0.87	12.41	76.47	975396
5	8210.74	0.90	12.36	76.16	1102622
6	8191.42	0.73	12.67	78.00	771601
7	8188.66	0.83	12.47	76.82	1004575

Segment 4					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8198.22	0.92	12.33	75.98	1236982
2	8205.16	0.90	12.36	76.14	1163702
3	8182.04	0.94	12.30	75.79	750399
4	8252.31	0.88	12.39	76.34	900880
5	8252.97	0.87	12.41	76.44	1027139
6	8220.45	0.86	12.43	76.57	953886
7	8264.26	0.89	12.37	76.24	1205088

Core15 **13-04-2012_17-54**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples

1	8248.19	0.90	12.37	76.21	1625089
2	8265.20	0.90	12.36	76.14	888139
3	8260.93	0.88	12.40	76.39	986326
4	8293.65	0.91	12.34	76.04	1503386
5	8185.18	0.90	12.36	76.17	1014383
6	8246.95	0.95	12.29	75.72	1136949
7	8269.64	0.95	12.28	75.70	1226091
Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8265.44	1.71	11.43	70.59	2890342
2	8179.42	0.98	12.23	75.40	1068220
3	8221.01	0.95	12.28	75.68	1072570
4	8230.76	0.99	12.22	75.34	1547089
5	8177.59	0.89	12.37	76.24	1118441
6	8157.12	0.88	12.39	76.34	993481
7	8238.28	1.87	11.31	69.83	2331347
Core					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8203.70	0.94	12.30	75.83	2341851
2	8280.64	0.89	12.38	76.28	2374744

DIG#14

Segment14 **13-04-2012_16-25**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8254.09	1.02	12.17	75.05	3239788
2	8229.30	0.88	12.39	76.36	1898726
3	8217.96	0.90	12.36	76.18	1498030
4	8216.05	0.89	12.37	76.25	1452887
5	8248.19	0.87	12.41	76.49	1422991
6	8258.98	0.91	12.34	76.07	1366742
7	0.00	0.00	0.00	0.00	0
Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8286.11	1.01	12.20	75.18	3028746
2	8166.27	0.91	12.34	76.05	1814065
3	8286.08	0.99	12.23	75.37	1346683
4	8262.69	0.92	12.33	75.98	1628079
5	8299.25	0.91	12.34	76.07	1593779
6	8248.30	0.85	12.44	76.63	1320478
7	0.00	0.00	0.00	0.00	0
Segment 3					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8267.92	0.98	12.23	75.41	2210991
2	0.00	0.00	0.00	0.00	0
3	0.00	0.00	0.00	0.00	0
4	0.00	0.00	0.00	0.00	0
5	0.00	0.00	0.00	0.00	0

6	0.00	0.00	0.00	0.00	0
7	0.00	0.00	0.00	0.00	0
Segment 4					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8245.33	0.91	12.34	76.08	2185421
2	0.00	0.00	0.00	0.00	0
3	0.00	0.00	0.00	0.00	0
4	0.00	0.00	0.00	0.00	0
5	0.00	0.00	0.00	0.00	0
6	0.00	0.00	0.00	0.00	0
7	0.00	0.00	0.00	0.00	0

Core14 **13-04-2012_16-55**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8193.20	0.88	12.40	76.39	2458327
2	8257.45	0.88	12.39	76.33	1948155
3	8241.68	0.91	12.34	76.03	1670885
4	8267.77	0.88	12.39	76.35	1496799
5	8252.65	0.87	12.41	76.46	1591731
6	8251.05	0.88	12.39	76.35	1326477
7	0.00	0.00	0.00	0.00	0

Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8208.94	1.23	11.91	73.47	2934305
2	8258.37	0.93	12.31	75.89	1987817
3	8225.05	0.90	12.36	76.14	1298099
4	8282.70	0.93	12.31	75.89	1648201
5	8191.32	0.81	12.52	77.12	1412831
6	8227.88	0.89	12.37	76.26	1300022
7	0.00	0.00	0.00	0.00	0

Core					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8239.59	0.92	12.33	75.99	4513190
2	0.00	0.00	0.00	0.00	0

DIG#13

Segment13 **13-04-2012_14-47**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8230.73	0.94	12.30	75.78	1485085
2	8214.78	1.48	11.64	71.85	1529744
3	8226.05	0.92	12.32	75.95	1576756
4	8214.71	0.89	12.37	76.23	1580617
5	8186.72	0.98	12.24	75.46	2046220
6	8225.46	0.87	12.40	76.41	1292270
7	0.00	0.00	0.00	0.00	0

Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples

1	8241.64	1.43	11.69	72.12	1934961
2	8186.84	1.41	11.71	72.27	1652357
3	8272.37	1.49	11.63	71.79	2670621
4	8140.03	0.90	12.35	76.13	1358659
5	8237.86	0.94	12.29	75.75	1977294
6	8179.52	1.40	11.72	72.30	1993445
7	0.00	0.00	0.00	0.00	0

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8233.32	1.01	12.20	75.17	1332664
2	8295.20	1.10	12.07	74.39	1300948
3	8168.90	0.94	12.29	75.76	1656607
4	8161.17	1.28	11.85	73.08	1792943
5	8165.00	1.45	11.67	72.04	1614036
6	8220.10	0.97	12.26	75.54	1088606
7	0.00	0.00	0.00	0.00	0

Segment 4

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8181.15	0.86	12.43	76.59	1107414
2	8192.32	0.83	12.47	76.85	896004
3	8253.72	0.90	12.36	76.16	1766076
4	8244.45	0.90	12.36	76.19	1312063
5	8141.27	0.89	12.38	76.26	1520522
6	8238.15	0.94	12.29	75.76	1122386
7	0.00	0.00	0.00	0.00	0

Core13 **13-04-2012_14-47**

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8226.44	0.92	12.33	76.00	1860353
2	8192.56	0.84	12.45	76.73	1421150
3	8228.40	0.87	12.42	76.51	2191651
4	8263.46	0.90	12.37	76.21	2886311
5	8213.90	0.90	12.36	76.14	1984120
6	8226.37	0.91	12.34	76.04	2293651
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8280.70	1.62	11.51	71.04	1918914
2	8186.03	1.07	12.11	74.69	1446859
3	8177.43	1.09	12.09	74.51	2734859
4	8229.96	1.00	12.21	75.24	2664455
5	8225.46	0.90	12.36	76.16	2118010
6	8214.55	0.91	12.34	76.05	2417104
7	0.00	0.00	0.00	0.00	0

Core

Channel	Mean	Sigma	ENOB	SNR	Samples
1	8199.03	0.93	12.32	75.90	1571016
2	8248.19	0.88	12.39	76.35	1157083

DIG#12

Segment12 **13-04-2012_14-21**

Segment 1
Channel Mean Sigma ENOB SNR Samples
1 8194.32 0.89 12.37 76.21 1905953
2 8258.53 0.90 12.36 76.17 1365261
3 8205.60 0.89 12.37 76.22 2616710
4 8222.92 0.99 12.22 75.30 3543422
5 8191.38 0.74 12.63 77.82 1261210
6 8168.96 0.91 12.34 76.07 1165434
7 0.00 0.00 0.00 0.00 0

Segment 2
Channel Mean Sigma ENOB SNR Samples
1 8254.33 1.04 12.15 74.91 1974236
2 8235.57 0.87 12.40 76.41 1122495
3 8227.26 0.90 12.36 76.19 2396356
4 8255.51 0.97 12.25 75.49 3203868
5 8225.53 0.89 12.37 76.22 1530362
6 8203.44 0.90 12.36 76.18 1330990
7 0.00 0.00 0.00 0.00 0

Segment 3
Channel Mean Sigma ENOB SNR Samples
1 8221.02 0.91 12.34 76.04 1635947
2 8230.24 0.91 12.34 76.03 1097943
3 8222.81 1.01 12.19 75.14 2806806
4 8229.03 0.88 12.40 76.40 2656994
5 8181.55 0.87 12.41 76.46 1448142
6 8182.69 0.93 12.32 75.91 1387790
7 0.00 0.00 0.00 0.00 0

Segment 4
Channel Mean Sigma ENOB SNR Samples
1 8239.22 0.91 12.34 76.05 1629950
2 8236.13 0.87 12.40 76.43 866291
3 8237.93 0.93 12.32 75.90 2385247
4 8232.50 0.88 12.39 76.36 9144038
5 8247.48 0.89 12.37 76.23 1287794
6 8264.92 0.86 12.43 76.57 976069
7 0.00 0.00 0.00 0.00 0

Core12 **13-04-2012_14-21**

Segment 1
Channel Mean Sigma ENOB SNR Samples
1 8222.91 1.04 12.14 74.87 2645944
2 8236.38 0.88 12.40 76.38 1406498
3 8219.44 0.91 12.35 76.11 4991792
4 8163.07 1.78 11.38 70.26 5674751

5	8222.37	1.00	12.21	75.28	1993979
6	8244.61	1.13	12.03	74.20	2920883
7	0.00	0.00	0.00	0.00	0
Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8151.79	1.19	11.96	73.76	2261222
2	8242.72	0.96	12.27	75.64	1354506
3	8245.74	0.92	12.32	75.94	4496797
4	8196.45	0.87	12.41	76.45	4912081
5	8239.54	0.92	12.33	76.01	1943249
6	8233.96	0.89	12.38	76.30	2215924
7	0.00	0.00	0.00	0.00	0
Core					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	8215.32	0.90	12.36	76.17	2130322
2	8294.39	0.93	12.31	75.86	1500691

DIG#11

Core11 **19-04-2012_14-59**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	7425.20	9.55	8.95	55.65	25526768
2	7434.01	15.65	8.24	51.36	19164343
3	7619.63	23.27	7.67	47.92	48601270
4	7631.03	11.72	8.66	53.87	22168966
5	7419.68	9.64	8.94	55.57	33034498
6	7355.61	22.18	7.74	48.33	24105162
7	0.00	0.00	0.00	0.00	0
Segment 2					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	7216.26	10.89	8.76	54.51	26384240
2	7508.81	8.51	9.12	56.66	19682476
3	7322.76	9.46	8.97	55.73	27936540
4	7319.85	24.49	7.59	47.47	14141887
5	7415.29	10.17	8.86	55.11	30506029
6	7587.68	23.64	7.64	47.78	14251022
7	0.00	0.00	0.00	0.00	0
Core					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	7453.23	173.47		4.77	30.47 66044807
2	8108.09	130.80		5.18	32.92 10639738

Segment11 **19-04-2012_14-59**

Segment 1					
Channel	Mean	Sigma	ENOB	SNR	Samples
1	7319.40	9.37	8.98	55.81	22626525
2	7326.13	8.45	9.13	56.71	14997974
3	7495.17	9.80	8.91	55.43	17196814
4	7606.25	13.10	8.50	52.91	11413625

5	7350.47	9.23	9.00	55.95	17049969
6	7467.11	7.90	9.23	57.30	8088327
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7392.83	10.83	8.77	54.56	24618878
2	7467.05	38.82	6.93	43.47	16468622
3	7319.66	28.85	7.36	46.05	18606622
4	7775.22	15.92	8.21	51.21	12978145
5	7988.43	35.21	7.07	44.32	19241067
6	7775.45	53.40	6.47	40.70	9874201
7	0.00	0.00	0.00	0.00	0

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7789.87	22.88	7.69	48.06	19845016
2	7723.57	8.80	9.07	56.37	14428958
3	7753.43	54.02	6.45	40.60	16689576
4	7446.22	12.67	8.54	53.19	11014524
5	7533.28	9.61	8.94	55.60	17265542
6	7400.76	10.74	8.78	54.63	7868202
7	0.00	0.00	0.00	0.00	0

Segment 4

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7602.02	14.76	8.32	51.87	20182739
2	7598.67	10.08	8.87	55.18	15431888
3	7731.41	18.27	8.02	50.02	1485716
4	7600.98	51.05	6.53	41.09	1504621
5	7522.45	15.03	8.30	51.71	17740855
6	7456.96	9.29	8.99	55.89	8315202
7	0.00	0.00	0.00	0.00	0

DIG#10

Core10

19-04-2012_15-52

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7556.32	47.36	6.64	41.74	56376001
2	8268.39	0.89	12.38	76.30	1743668
3	7450.41	275.50		4.10	26.45 22581943
4	7714.52	22.06	7.74	48.38	10112944
5	7678.72	15.00	8.30	51.73	6885053
6	7781.93	10.79	8.78	54.59	35422277
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7339.46	11.29	8.71	54.19	52901799
2	7360.30	12.79	8.53	53.12	15162617
3	7407.77	62.20	6.25	39.38	41175810
4	7894.42	8.81	9.07	56.35	8002680

5	7760.86	47.70	6.63	41.68	5336440
6	7680.99	10.86	8.77	54.53	33988179
7	0.00	0.00	0.00	0.00	0

Core

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7357.20	146.85	5.01	31.92	104395466
2	8138.02	18.37	8.01	49.97	641908

Segment10 19-04-2012_15-52

Segment 1

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7368.72	16.34	8.18	50.98	42242016
2	7472.64	9.71	8.93	55.51	10614164
3	7470.54	19.82	7.90	49.31	21776339
4	7409.20	8.56	9.11	56.61	6299773
5	7360.74	9.33	8.99	55.86	3730546
6	7447.04	10.87	8.77	54.53	17507127
7	0.00	0.00	0.00	0.00	0

Segment 2

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7384.90	9.03	9.03	56.14	39127677
2	7427.73	31.20	7.24	45.37	10289778
3	7797.83	13.86	8.41	52.41	22596868
4	7534.77	18.57	7.99	49.88	5242698
5	7457.29	8.64	9.10	56.52	3818480
6	7379.99	9.59	8.95	55.62	16804647
7	0.00	0.00	0.00	0.00	0

Segment 3

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7773.78	13.86	8.41	52.41	41866733
2	7686.62	13.03	8.50	52.95	11211209
3	7982.59	21.66	7.77	48.54	22191869
4	8235.22	0.87	12.41	76.47	445418
5	8211.53	0.87	12.40	76.41	318215
6	8191.70	0.75	12.63	77.80	1784402
7	0.00	0.00	0.00	0.00	0

Segment 4

Channel	Mean	Sigma	ENOB	SNR	Samples
1	7760.60	11.84	8.64	53.78	36340421
2	7829.18	10.40	8.83	54.91	10215146
3	8031.90	11.46	8.69	54.06	20227286
4	7721.19	15.35	8.27	51.53	3758762
5	7806.06	8.18	9.18	57.00	2357099
6	7761.89	9.08	9.03	56.09	15179799
7	0.00	0.00	0.00	0.00	0
