

DSI_Ch0_results

Gain = 63						
					1ADU=21.4uV	
RC (6-bit)	out mean (ADU)	out sigma (ADU)	RC meas (us)	RC err (us)	out ampl (V)	out err (V)
1	51595.1	31.9	1.52	0.16	1.104	0.001
3	64860.6	51.8	1.21	0.13	1.388	0.001
5	81633.8	80.7	0.96	0.10	1.747	0.002
7	93754.7	103.8	0.84	0.09	2.006	0.002
9	127466.8	179.4	0.62	0.07	2.728	0.004

Gain = 45						
					1ADU=21.4uV	
RC (6-bit)	out mean (ADU)	out sigma (ADU)	RC meas (us)	RC err (us)	out ampl (V)	out err (V)
1	48852.7	29.4	1.26	0.14	1.045	0.001
3	58519.2	41.2	1.05	0.11	1.252	0.001
5	70820.9	61.4	0.87	0.09	1.516	0.001
7	79803.1	79.8	0.77	0.08	1.708	0.002
9	104307.0	134.0	0.59	0.06	2.232	0.003
11	113104.7	154.0	0.55	0.06	2.420	0.003
13	124382.7	167.1	0.50	0.05	2.662	0.004

Gain = 30						
					1ADU=21.4uV	
RC (6-bit)	out mean (ADU)	out sigma (ADU)	RC meas (us)	RC err (us)	out ampl (V)	out err (V)
1	46582.5	28.4	0.96	0.10	0.997	0.001
3	53235.7	33.3	0.84	0.09	1.139	0.001
5	61730.4	46.9	0.73	0.08	1.321	0.001
7	67963.2	58.4	0.66	0.07	1.454	0.001
9	85063.3	90.1	0.53	0.06	1.820	0.002
11	90960.0	102.8	0.49	0.05	1.947	0.002
13	98618.0	118.1	0.46	0.05	2.110	0.003
15	104549.5	136.1	0.43	0.05	2.237	0.003
17	120571.7	175.9	0.37	0.04	2.580	0.004
19	125921.0	179.8	0.36	0.04	2.695	0.004

Gain = 15						
					1ADU=21.4uV	
RC (6-bit)	out mean (ADU)	out sigma (ADU)	RC meas (us)	RC err (us)	out ampl (V)	out err (V)
1	44313.0	28.1	0.58	0.06	0.948	0.001
3	47927.6	28.5	0.53	0.06	1.026	0.001
5	52573.0	34.9	0.49	0.05	1.125	0.001
7	56000.6	38.9	0.46	0.05	1.198	0.001
9	65485.9	55.0	0.39	0.04	1.401	0.001
11	68796.4	63.0	0.37	0.04	1.472	0.001
13	73171.5	75.1	0.35	0.04	1.566	0.002
15	76403.7	79.4	0.34	0.04	1.635	0.002
17	85114.3	100.2	0.30	0.03	1.821	0.002
19	88220.0	107.2	0.29	0.03	1.888	0.002
21	92296.0	117.2	0.28	0.03	1.975	0.003
23	95292.7	125.4	0.27	0.03	2.039	0.003
25	103789.0	158.9	0.25	0.03	2.221	0.003
27	106845.5	167.8	0.24	0.03	2.286	0.004
29	110863.7	182.8	0.23	0.03	2.372	0.004
31	113855.3	189.4	0.23	0.02	2.437	0.004

DSI_Ch0_results

CF1						
					1ADU=21.4uV	
RC (6-bit)	out mean (ADU)	out sigma (ADU)	RC meas (us)	RC err (us)	out ampl (V)	out err (V)
1	45972.6	29.3	0.92	0.10	0.984	0.001
3	52063.4	42.0	0.81	0.09	1.114	0.001
5	59926.9	64.2	0.70	0.08	1.282	0.001
7	65700.1	83.1	0.64	0.07	1.406	0.002
9	81543.5	132.6	0.52	0.06	1.745	0.003
11	87019.2	152.9	0.49	0.05	1.862	0.003
13	94198.7	178.4	0.45	0.05	2.016	0.004
15	99420.1	210.9	0.43	0.05	2.128	0.005
17	114332.0	276.9	0.37	0.04	2.447	0.006
19	119618.0	292.9	0.35	0.04	2.560	0.006
21	126256.0	307.5	0.33	0.04	2.702	0.007

