

## Gain calibration 4-channels transparent mode

Channel 0						
					1ADU=21.4uV	
Gain(6bit)	out ampl (ADU)	out error (ADU)	abs_gain	abs_gainErr	out ampl (V)	out error (V)
5	11069.3	38.0	47.0	3.6	0.237	0.001
10	18591.8	60.8	78.9	6.0	0.398	0.001
15	25722.0	81.7	109.2	8.3	0.550	0.002
20	32488.7	101.4	138.0	10.4	0.695	0.002
25	38896.8	120.7	165.1	12.5	0.832	0.003
30	45000.0	143.2	191.1	14.4	0.963	0.003
35	50811.5	160.8	215.8	16.3	1.087	0.003
40	56278.0	185.5	239.0	18.1	1.204	0.004
45	61494.2	200.0	261.1	19.7	1.316	0.004
50	66453.8	209.3	282.2	21.3	1.422	0.004
55						
60	76034.6	259.1	322.8	24.4	1.627	0.006
63	78804.1	269.1	334.6	25.3	1.686	0.006
CF1	42202.9	160.2	179.2	13.6	0.903	0.003

Channel 1						
					1ADU=21.4uV	
Gain(6bit)	out ampl (ADU)	out error (ADU)	abs_gain	abs_gainErr	out ampl (V)	out error (V)
5	11018.6	42.0	46.8	3.5	0.236	0.001
10	18524.5	61.5	78.7	6.0	0.396	0.001
15	25641.4	85.6	108.9	8.2	0.549	0.002
20	32365.9	109.3	137.5	10.4	0.693	0.002
25	38772.1	133.1	164.6	12.5	0.830	0.003
30	44847.4	149.6	190.4	14.4	0.960	0.003
35	50530.7	173.5	214.6	16.2	1.081	0.004
40	55709.4	195.3	236.5	17.9	1.192	0.004
45	61116.9	212.7	259.5	19.6	1.308	0.005
50	66370.9	232.4	281.8	21.3	1.420	0.005
55	71394.3	262.5	303.1	22.9	1.528	0.006
60	76193.7	268.4	323.6	24.5	1.631	0.006
63	78972.5	284.7	335.3	25.4	1.690	0.006
CF1	45995.5	185.6	195.3	14.8	0.984	0.004

Channel 2						
					1ADU=21.4uV	
Gain(6bit)	out ampl (ADU)	out error (ADU)	abs_gain	abs_gainErr	out ampl (V)	out error (V)
5	11034.7	44.2	46.9	3.5	0.236	0.001
10	18544.4	64.9	78.7	6.0	0.397	0.001
15	25673.9	83.3	109.0	8.2	0.549	0.002
20	32390.1	105.0	137.5	10.4	0.693	0.002
25	38788.7	124.4	164.7	12.5	0.830	0.003
30	44735.7	161.3	189.9	14.4	0.957	0.003
35	50285.9	165.4	213.5	16.1	1.076	0.004
40	55984.7	204.4	237.7	18.0	1.198	0.004
45	61476.5	211.1	261.0	19.7	1.316	0.005
50	66723.4	232.1	283.3	21.4	1.428	0.005
55	71787.0	236.7	304.8	23.0	1.536	0.005
60	76611.6	258.2	325.3	24.6	1.639	0.006
63	79415.0	276.0	337.2	25.5	1.699	0.006
CF1	49657.2	181.2	210.8	15.9	1.063	0.004

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Channel 3						
Gain(6bit)	out ampl (ADU)	out error (ADU)	abs_gain	abs_gainErr	1ADU=21.4uV out ampl (V)	out error (V)
5	10966.2	40.0	46.6	3.5	0.235	0.001
10	18442.1	62.1	78.3	5.9	0.395	0.001
15	25529.5	87.9	108.4	8.2	0.546	0.002
20	32200.2	110.5	136.7	10.3	0.689	0.002
25	38549.6	128.5	163.7	12.4	0.825	0.003
30	44302.6	171.0	188.1	14.2	0.948	0.004
35	50013.4	176.7	212.4	16.1	1.070	0.004
40	55686.5	190.5	236.4	17.9	1.192	0.004
45	61138.3	204.5	259.6	19.6	1.308	0.004
50	66344.4	232.0	281.7	21.3	1.420	0.005
55	71343.0	238.7	302.9	22.9	1.527	0.005
60	76071.0	263.7	323.0	24.4	1.628	0.006
63	78892.0	281.7	335.0	25.3	1.688	0.006
CF1						

