

FIGARO INSTRUMENT PARAMETERS v22 – 30/08/2019
(updated in yellow)

theta	-2.496	-1.46	-0.688	0.631	1.897	3.785
mirror deflection	2 bounces	1 bounce	1 bounce	none	1 bounce	2 bounces
sample reflection	down	down	down	up	up	up
BGS1	43.37	43.37	43.37	43.37	43.37	43.37
M1H1	16.43	11.42	17.79	0.00	-17.82	-16.35
M1H2	33.55	34.26	32.19	0.00	-32.11	-33.58
M2H1	42.03	28.61	19.09	0.00	-18.88	-44.64
M2H2	67.57	50.24	32.57	0.00	-32.24	-68.86
COH1	72.30	62.55	36.85	0.00	-40.5	-74.93
COH2	152.06	115.58	70.85	0.00	-73.4	-156.6
BGS3	175.0	132.33	80.64	0.00	-82.73	-175.7
S3Y	2.00	0.00	0.00	0.00	0.00	-4.50
S3T-zero	1.96	-0.06	-0.03	0.00	0.06	-4.38
S3B-zero	-2.04	-0.06	-0.03	0.00	0.06	4.62
SHT1	197.67	146.12	89.34	0.00	-91.06	-201.04
Poff 0.82%	356.69	357.95	358.8	359.50	357.92	357.62
Poff 2.1%	646.50	647.67	648.58	648.12	646.95	647.35
Poff 3.0%	362.71	358.48	360.03	359.34	357.80	357.39
Poff 4.0%	408.97	410.26	411.25	410.67	409.38	409.96
Poff 6.2%	646.42	647.52	648.45	648.57	649.20	647.80
Poff 7.0%	362.55	358.27	359.71	358.92	357.50	357.05
Openoff 0.82%	144.78	144.72	144.73	144.72	144.72	144.77
Openoff 2.1%	-118.84	-118.91	-118.88	-118.88	-118.95	-118.86
Openoff 3.0%	25.65	25.83	25.87	25.88	25.79	25.90
Openoff 4.0%	143.48	143.40	143.11	143.49	143.41	143.45
Openoff 6.2%	24.55	24.51	24.50	24.58	24.54	24.66
Openoff 7.0%	168.84	169.14	169.27	169.37	169.15	169.37

Res. (%)	Pair/Sep. (mm)	D1 (mm)	TOF (mm)	Speed (30/20/16 Å)	C2 Phase (30/20/16 Å)	C3 Phase (30/20/16 Å)	C4 Phase (30/20/16 Å)
0.82%	C1:C2/97.2	5847	8694	743/1116/1393	-99.75/-99.75/-99.75	4.31/3.31/2.81	-129.26/-130.76/-131.26
2.1%	C2:C3/247.2	5672	8519	758/1139/1421	-160.75/-160.75/-160.75	3.31/3.31/3.31	-147.26/-147.76/-147.76
3.0%	C1:C3/347.2	5722	8569	755/1132/1416	-124.75/-124.75/-124.25	19.31/19.31/19.31	-129.26/-128.76/-128.26
4.0%	C3:C4/447.2	5322	8169	792/1187/1485	-144.75/-143.25/-142.25	-33.19/-33.19/-32.69	-131.26/-131.26/-130.76
6.2%	C2:C4/697.2	5447	8294	779/1169/1461	-151.25/-152.25/-152.75	-13.69/-13.69/-14.19	-130.26/-131.26/-131.76
7.0%	C1:C4/797.2	5497	8544	756/1135/1418	-133.75/-133.75/-133.25	-4.69/-4.69/-4.69	-123.76/-123.76/-123.76

(e-delay = 38000/25000/20000 μs & tof channel width = 75/50/40 μs for 30/20/16 Å; D0 = 5897 mm; DET = 2829 mm)
(open choppers: -144.75/-25.69/-169.78)

(STR positions/mm for **old** adsorption troughs: 4.5/102.5/200.5/298.5/396.5/494.5)

(STR positions/mm for **NEW** adsorption troughs: **A**=499.1; **B**=320; **C**=190; **D**=10)