3) COMPARISON OF SOLUTIONS

3.1) Transformations between successive combined solutions

We have compared successive combinations by an estimation of 7 transformation parameters.

We have then used ITRF88B as common reference to which all other solutions have been referred. Results are shown in Table 12.

3.2) Consistency between global and some individual solutions (RN, RG, LC, LG)

We have selected 4 series of solutions (RN, RG, LC, LG), and have summarized the successive estimations of transformation parameters between the individual and the combined solution. We have then used the values of Table 12 to correct in order to express all with regard to ITRF88B. This is given in Table 13 for RN, 14 for RG, 15 for LC and 16 for LG. This is also illustrated in Appendix 1

In order to test the consistency of the transformations, we have also computed the direct transformations between successive solutions for each of the four series, which are presented in Tables 17 to 20.

We have finally illustrated the consistency of the successive solutions, at least for the last ones:

- Table 21 for BTS87 to ITRF-0

- Table 22 for ITRF-0 to ITRF88

- Table 23 for ITRF88 to ITRF88A

- Table 24 for ITRF88A to ITRF88B.

Table 12 Transformation parameters between successives terrestrial reference frames determined by BIH and by IERS

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
BTS84	BTS85	5.4	2.1	4.2	-0.5	-0.9	-2.5	-3.1
		2.3	2.0	2.1	.3	.8	.8	.8
BTS85	BTS86	3.1	-6.0	-5.0	-1.7	-1.8	-1.8	-5.8
		1.5	1.4	1.5	.2	.5	.6	.5
BTS86	BTS87	-3.8	0.3	-1.3	-0.2	-0.4	2.5	7.5
		1.6	1.6	1.6	0.2	0.6	0.6	0.6
BTS87	ITRF0	0.4	-0.1	0.2	-0.1	0.0	0.0	-0.2
		1.0	1.0	1.0	.1	.4	.4	.3
ITRF0	ITRF88	0.7	-0.3	-0.7	0.1	-0.3	-0.2	-0.1
		0.4	0.4	0.4	.1	.1	.1	.1
ITRF88	ITRF88A	-0.2	0.4	0.1	0.0	0.1	0.1	0.0
		0.4	0.4	0.4	.1	.2	.1	.1
ITRF88A	ITRF88B	0.0	-0.6	1.3	-0.3	0.2	0.0	-0.1
		0.2	0.2	0.2	.1	.1	.1	.1

CI88B	CB84	-5.6	4.2	1.2	2.7	3.1	1.9	1.8
	CB85	-0.2	6.3	5.4	2.2	2.2	-0.6	-1.3
	CB86	2.9	0.3	0.4	0.5	0.4	-2.4	-7.1
	CB87	-0.9	0.6	-0.9	0.3	0.0	0.1	0.4
	CI-0	-0.5	0.5	-0.7	0.2	0.0	0.1	0.2
	CI88	0.2	0.2	-1.4	0.3	-0.3	-0.1	0.1
	CI88A	0.0	0.6	-1.3	0.3	-0.2	0.0	0.1
		0.2	0.2	0.2	.1	.1	.1	.1

Table 13 Transformation parameters between successives VLBI NGS TRF and BIH/IERS TRF

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
CB84	RN84	165.2	-94.9	47.1	-4.4	-5.2	8.0	-5.7
		13.0	15.5	14.5	3.0	1.2	.6	.7
CB85	RN85	163.1	-98.9	38.7	-3.9	-6.0	9.5	-3.6
		7.1	9.8	10.1	1.9	.5	.6	.3
CB86	RN86	10.8	12.5	5.8	-2.4	-4.5	10.3	-1.8
		2.4	2.9	2.9	.5	.1	.2	.2
CB87	RN87	-8.9	14.3	-1.6	0.9	-4.3	9.3	-3.3
		1.5	1.5	1.6	.3	.2	.2	.2
CI-0	RN-0	-13.7	17.0	-2.7	1.5	-3.6	9.8	0.1
		2.3	2.3	2.2	.3	.9	.9	.7
CI88	RN88	-6.0	12.0	-1.9	1.9	-3.1	8.0	1.2
		1.7	1.7	1.7	.2	.7	.7	.5
CI88A	RN88A	-5.6	15.3	3.9	1.5	-0.2	9.7	-1.0
		2.6	2.7	2.6	.4	1.1	1.0	.8
CI88B	RN88B	-4.8	16.5	0.6	2.2	-0.5	9.8	-0.9
		2.5	2.7	2.6	.4	1.1	.9	.8
CI88B	RN84	159.6	-90.7	48.3	-1.7	-2.1	9.9	-3.9
	RN85	162.9	-92.6	44.1	-1.7	-3.8	8.9	-4.9
	RN86	13.7	12.8	6.2	-1.9	-4.1	7.9	-8.9
	RN87	-9.8	14.9	-2.5	1.2	-4.3	9.4	-2.9
	RN-0	-14.2	17.5	-3.4	1.7	-3.6	9.9	0.3
	RN88	-5.8	12.2	-3.3	2.2	-3.4	7.9	1.3
	RN88A	-5.6	15.9	2.6	1.8	-0.4	9.7	-0.9
	RN88B	-4.8	16.5	0.6	2.2	-0.5	9.8	-0.9
		2.5	2.7	2.6	.4	1.1	.9	.8

Table 14 Transformation parameters between successives VLBI GSFC TRF and BIH/IERS TRF

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
CB85	RG85	142.2	-101.3	36.7	-3.6	-5.7	8.2	14.2
		21.2	24.7	28.0	4.8	.3	.4	.3
CB86	RG86	153.5	-96.1	45.0	-2.7	-4.1	10.4	10.3
		2.6	3.0	3.0	.5	.5	.5	.3
CB87	RG87	167.1	-105.4	40.0	-2.3	-7.2	5.0	-3.6
		1.4	1.4	1.5	.3	.2	.2	.2
CI-0	RG-0	159.5	-96.4	38.2	-1.2	-5.8	5.2	-1.5
		2.3	2.3	2.1	.3	.9	.8	.7
CI88	RG88	160.7	-84.7	55.3	-1.5	1.7	1.8	1.4
		1.7	1.7	1.6	.2	.7	.7	.5
CI88A	RG88A	162.1	-86.1	59.5	-1.9	2.6	1.8	0.1
		2.5	2.6	2.5	.3	1.0	1.0	.8
CI88B	RG88B	162.8	-84.7	55.0	-1.1	2.0	1.9	0.2
		2.4	2.6	2.5	.4	1.0	.9	.8
CI88B	RG85	142.0	-95.0	42.1	-1.4	-3.5	7.6	12.9
	RG86	156.4	-95.8	45.4	-2.2	-3.7	8.0	3.2
	RG87	166.2	-104.8	39.1	-2.0	-7.2	5.1	-3.2
	RG-0	159.0	-95.9	37.6	-1.0	-5.8	5.3	-1.3
	RG88	160.9	-84.5	53.9	-1.2	1.4	1.7	1.5
	RG88A	162.1	-85.5	58.2	-1.6	2.4	1.8	0.2
	RG88B	162.8	-84.7	55.0	-1.1	2.0	1.9	0.2
		2.4	2.6	2.5	.4	1.0	.9	.8

Table 15 Transformation parameters between successives SLR CSR TRF and BIH/IERS TRF

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"	
CB84	LC84	0	0	0	0	-5.9	-2.6	-3.8	
						1.0	.9	5.5	
CB85	LC85	0	0	0	0	-4.2	-2.7	.8	
						.4	.4	.8	
CB86	LC86	0	0	0	0	-4.5	3.1	-4.4	
						.3	.2	.2	
CB87	LC87	0	0	0	0	-4.7	2.3	-10.5	
						.2	.2	.5	
CI-0	LC-0	-0.3	0.0	1.6	-0.2	-4.6	1.9	-11.0	
		2.2	2.2	2.0	.3	.9	.8	.7	
CI88	LC88	1.2	1.8	3.5	-0.5	-3.4	4.4	-16.3	
		1.7	1.7	1.6	.2	.7	.7	.5	
CI88A	LC88A	0.3	2.2	1.3	-0.3	-3.9	4.1	-15.7	
		2.2	2.2	2.1	.3	.9	.8	.7	
CI88B	LC88B	0.3	2.2	1.3	-0.3	-3.9	4.1	-15.7	(*)

(*) values fixed in the adjustment

CI88B	LC84	-5.6	4.2	1.2	2.7	-2.8	-0.7	-2.0
	LC85	-0.2	6.3	5.4	2.2	-2.0	-3.3	-0.5
	LC86	2.9	0.3	0.4	0.5	-4.1	0.7	-11.5
	LC87	-0.9	0.6	-0.9	0.3	-4.7	2.4	-10.1
	LC-0	-0.8	0.5	0.9	0.0	-4.6	2.0	-10.8
	LC88	1.4	2.0	2.1	-0.2	-3.7	4.3	-16.2
	LC88A	0.3	2.8	0.0	0.0	-4.1	4.1	-15.7
	LC88B	0.3	2.2	1.3	-0.3	-3.9	4.1	-15.7

Table 16 Transformation parameters between successives SLR GSFC TRF and BIH/IERS TRF

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
CB87	LG87	0	0	0	0	-1.8	6.2	-7.5
						.3	.2	.5
CI-0	LG-0	-1.9	0.1	2.1	-0.3	-1.7	6.0	-7.7
		2.2	2.2	2.0	.3	.9	.8	.7
CI88	LG88	-0.3	2.1	6.2	-0.6	-0.6	5.6	-8.2
		1.7	1.7	1.6	.2	.7	.6	.5
CI88A	LG88A	-0.6	1.3	3.7	-0.2	-1.5	5.0	-7.4
		2.2	2.2	2.2	.3	.9	.9	.7
CI88B	LG88B	-0.6	1.3	3.8	-0.2	-1.5	5.0	-7.5
		1.2	1.2	1.2	.2	.5	.5	.4
CI88B	LG87	-0.9	0.6	-0.9	0.3	-1.8	6.3	-7.1
	LG-0	-2.4	0.6	1.4	-0.1	-1.7	6.1	-7.5
	LG88	-0.1	2.3	4.8	-0.3	-0.9	5.5	-8.1
	LG88A	-0.6	1.9	2.4	0.1	-1.7	5.0	-7.3
	LG88B	-0.6	1.3	3.8	-0.2	-1.5	5.0	-7.5
		1.2	1.2	1.2	.2	.5	.5	.4

Table 17 Transformation parameters between successives terrestrial reference frames determined by VLBI NGS

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
RN 84	RN 85	-2.7 1.8	0.1 1.6	-0.2 1.8	-0.1 .1	-0.3 .7	0.3 .7	1.1 .7
RN 85	RN 86	-163.7 1.3	103.7 1.1	-34.4 1.3	0.1 .1	2.0 .5	0.4 .4	0.0 .3
RN 86	RN 87	-4.4 0.9	9.9 0.8	-8.6 0.9	2.4 0.1	0.1 0.3	0.7 0.4	-0.3 0.3
RN 87	RN 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RN 0	RN 88	8.6 0.7	-4.9 0.7	-2.1 0.7	0.7 .1	0.3 .3	-2.0 .3	1.1 .2
RN 88	RN 88A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RN 88A	RN 88B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 18 Transformation parameters between successives terrestrial reference frames determined by VLBI GSFC

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
RG 84	RG 85							
RG 85	RG 86	3.2 1.3	6.3 1.4	3.7 1.3	0.0 .2	1.4 .6	1.7 .5	-3.4 .4
RG 86	RG 87	1.4 2.9	-14.3 3.1	-6.0 2.7	-0.6 0.4	-3.6 1.2	-3.3 1.1	2.8 0.9
RG 87	RG 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RG 0	RG 88	2.7 1.2	14.7 1.2	16.6 1.1	-0.1 .2	8.3 .5	-3.6 .4	2.7 .4
RG 88	RG 88A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RG 88A	RG 88B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 19 Transformation parameters between successives terrestrial reference frames determined by SLR CSR

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
LC 84	LC 85	-0.8	3.2	10.5	0.0	2.8	0.5	0.0
		1.8	1.8	1.9	.3	.7	.7	.7
LC 85	LC 86	4.5	-3.4	-5.7	-1.4	-3.6	3.6	-8.4
		1.4	1.5	1.4	.2	.6	.6	.5
LC 86	LC 87	0.6	1.3	1.3	0.3	0.0	0.0	-0.2
		1.2	1.2	1.2	1.8	0.5	0.5	0.4
LC 87	LC 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LC 0	LC 88	-0.9	-0.4	0.6	-0.2	1.4	2.4	-4.1
		0.5	0.5	0.5	0.1	.2	.2	.2
LC 88	LC 88A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LC 88A	LC 88B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 20 Transformation parameters between successives terrestrial reference frames determined by SLR GSFC

From	To	T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
LG 84	LG 85							
LG 85	LG 86							
LG 86	LG 87							
LG 87	LG 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LG 0	LG 88	0.0 0.5	0.3 0.5	2.6 0.5	0.0 0.1	0.9 .2	-1.0 .2	1.0 .2
LG 88	LG 88A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LG 88A	LG 88B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 21 Behaviour of individual TRF used in BTS87 and ITRF-0

From	To		T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
CB87	CI-0		0.4	-0.1	0.2	-0.1	0.0	0.0	-0.2
			1.0	1.0	1.0	.1	.4	.4	.3
RN87	RN-0	1	0	0	0	0	0	0	0
CB87	RN87	2	-8.9	14.3	-1.6	0.9	-4.3	9.3	-3.3
			1.5	1.5	1.6	.3	.2	.2	.2
CI-0	RN-0	3	-13.7	17.0	-2.7	1.5	-3.6	9.8	0.1
			2.3	2.3	2.2	.3	.9	.9	.7
1 + 2 - 3			4.8	-2.7	1.1	-0.6	-0.7	-0.5	-4.4
			2.7	2.7	2.7	.4	.9	.9	.7
RG87	RG-0	1	0	0	0	0	0	0	0
CB87	RG87	2	167.1	-105.4	40.0	-2.3	-7.2	5.0	-3.6
			1.4	1.4	1.5	.3	.2	.2	.2
CI-0	RG-0	3	159.5	-96.4	38.2	-1.2	-5.8	5.2	-1.5
			2.3	2.3	2.1	.3	.9	.8	.7
1 + 2 - 3			7.6	-9.0	1.8	-1.1	-1.4	-0.2	-2.1
			2.7	2.7	2.6	.4	.9	.8	.7
LC87	LC-0	1	0	0	0	0	0	0	0
CB87	LC87	2	0	0	0	0	-4.7	2.3	-10.5
							.2	.2	.5
CI-0	LC-0	3	-0.3	0.0	1.6	-0.2	-4.6	1.9	-11.0
			2.2	2.2	2.0	.3	.9	.8	.7
1 + 2 - 3			0.3	0.0	-1.6	0.2	-0.1	0.4	0.5
			2.2	2.2	2.0	.3	.9	.8	.9
LG87	LG-0	1	0	0	0	0	0	0	0
CB87	LG87	2	0	0	0	0	-1.8	6.2	-7.5
							.3	.2	.5
CI-0	LG-0	3	-1.9	0.1	2.1	-0.3	-1.7	6.0	-7.7
			2.2	2.2	2.0	.3	.9	.8	.7
1 + 2 - 3			1.9	-0.1	-2.1	0.3	-0.1	0.2	0.2
			2.2	2.2	2.0	.3	.9	.8	.9

Table 22 Behaviour of individual TRF used in ITRF-0 and ITRF88

From	To		T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
CI-0	CI88		0.7	-0.3	-0.7	0.1	-0.3	-0.2	-0.1
			0.4	0.4	0.4	.1	.1	.1	.1
RN-0	RN88	1	8.6	-4.9	-2.1	0.7	0.3	-2.0	1.1
			.7	.7	.7	.1	.3	.3	.2
CI-0	RN-0	2	-13.7	17.0	-2.7	1.5	-3.6	9.8	0.1
			2.3	2.3	2.2	.3	.9	.9	.7
CI88	RN88	3	-6.0	12.0	-1.9	1.9	-3.1	8.0	1.2
			1.7	1.7	1.7	.2	.7	.7	.5
1 + 2 - 3			0.9	0.1	-2.9	0.3	-0.2	-0.2	0.0
			2.9	2.9	2.9	.4	1.2	1.2	.9
RG-0	RG88	1	2.7	14.7	16.6	-0.1	8.3	-3.6	2.7
			1.2	1.2	1.1	.2	.5	.4	.4
CI-0	RG-0	2	159.5	-96.4	38.2	-1.2	-5.8	5.2	-1.5
			2.3	2.3	2.1	.3	.9	.8	.7
CI88	RG88	3	160.7	-84.7	55.3	-1.5	1.7	1.8	1.4
			1.7	1.7	1.6	.2	.7	.7	.5
1 + 2 - 3			1.5	3.0	-0.5	0.2	0.8	-0.2	-0.2
			3.1	3.1	2.9	0.4	1.2	1.1	0.9
LC-0	LC88	1	-0.9	-0.4	0.6	-0.2	1.4	2.4	-4.1
			.5	.5	.5	.1	.2	.2	.2
CI-0	LC-0	2	-0.3	0.0	1.6	-0.2	-4.6	1.9	-11.0
			2.2	2.2	2.0	.3	.9	.8	.7
CI88	LC88	3	1.2	1.8	3.5	-0.5	-3.4	4.4	-16.3
			1.7	1.7	1.6	.2	.7	.7	.5
1 + 2 - 3			-2.4	-2.2	-1.3	0.1	0.2	-0.1	1.2
			2.8	2.8	2.6	.4	1.2	1.1	.9
LG-0	LG88	1	0.0	0.3	2.6	0.0	0.9	-1.0	1.0
			.5	.5	.5	.1	.2	.2	.2
CI-0	LG-0	2	-1.9	0.1	2.1	-0.3	-1.7	6.0	-7.7
			2.2	2.2	2.0	.3	.9	.8	.7
CI88	LG88	3	-0.3	2.1	6.2	-0.6	-0.6	5.6	-8.2
			1.7	1.7	1.6	.2	.7	.6	.5
1 + 2 - 3			-1.6	-1.7	-1.5	0.3	-0.2	-0.6	1.5
			2.8	2.8	2.6	.4	1.2	1.0	.9

Table 23 Behaviour of individual TRF used in ITRF88 and ITRF88A

From	To		T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"
CI88	CI88A		-0.2	0.4	0.1	0.0	0.1	0.1	0.0
			0.4	0.4	0.4	.1	.2	.1	.1
RN88	RN88A	1	0	0	0	0	0	0	0
CI88	RN88	2	-6.0	12.0	-1.9	1.9	-3.1	8.0	1.2
			1.7	1.7	1.7	.2	.7	.7	.5
CI88A	RN88A	3	-5.6	15.3	3.9	1.5	-0.2	9.7	-1.0
			2.6	2.7	2.6	.4	1.1	1.0	.8
1 + 2 - 3			-0.4	-3.3	-5.8	0.4	-2.9	-1.7	2.2
			3.1	3.2	3.1	.4	1.3	1.2	.9
RG88	RG88A	1	0	0	0	0	0	0	0
CI88	RG88	2	160.7	-84.7	55.3	-1.5	1.7	1.8	1.4
			1.7	1.7	1.6	.2	.7	.7	.5
CI88A	RG88A	3	162.1	-86.1	59.5	-1.9	2.6	1.8	0.1
			2.5	2.6	2.5	.3	1.0	1.0	.8
1 + 2 - 3			-1.4	1.4	-4.2	0.4	-0.9	0.0	1.3
			3.0	3.1	3.0	0.4	1.2	1.2	.9
LC88	LC88A	1	0	0	0	0	0	0	0
CI88	LC88	2	1.2	1.8	3.5	-0.5	-3.4	4.4	-16.3
			1.7	1.7	1.6	.2	.7	.7	.5
CI88A	LC88A	3	0.3	2.2	1.3	-0.3	-3.9	4.1	-15.7
			2.2	2.2	2.1	.3	.9	.8	.7
1 + 2 - 3			0.9	-0.4	2.2	-0.2	0.5	0.3	-0.6
			2.8	2.8	2.6	.4	1.1	1.1	.9
LG88	LG88A	1	0	0	0	0	0	0	0
CI88	LG88	2	-0.3	2.1	6.2	-0.6	-0.6	5.6	-8.2
			1.7	1.7	1.6	.2	.7	.6	.5
CI88A	LG88A	3	-0.6	1.3	3.7	-0.2	-1.5	5.0	-7.4
			2.2	2.2	2.2	.3	.9	.9	.7
1 + 2 - 3			0.3	0.8	2.5	-0.4	0.9	0.6	-0.8
			2.8	2.8	2.6	.4	1.1	1.1	.9

Table 24 Behaviour of individual TRF used in ITRF88A and ITRF88B

From	To		T1 cm	T2 cm	T3 cm	D 10^{-8}	R1 .001"	R2 .001"	R3 .001"	
CI88A	CI88B		0.0	-0.6	1.3	-0.3	0.2	0.0	-0.1	
			0.2	0.2	0.2	.1	.1	.1	.1	
RN88A	RN88B	1	0	0	0	0	0	0	0	
CI88A	RN88A	2	-5.6	15.3	3.9	1.5	-0.2	9.7	-1.0	
			2.6	2.7	2.6	.4	1.1	1.0	.8	
CI88B	RN88B	3	-4.8	16.5	0.6	2.2	-0.5	9.8	-0.9	
			2.5	2.7	2.6	.4	1.1	.9	.8	
1 + 2 - 3			-0.8	-1.2	3.3	-0.7	0.3	-0.1	-0.1	
			3.6	3.8	3.7	.6	1.4	1.3	1.1	
RG88A	RG88B	1	0	0	0	0	0	0	0	
CI88A	RG88A	2	162.1	-86.1	59.5	-1.9	2.6	1.8	0.1	
			2.5	2.6	2.5	.3	1.0	1.0	.8	
CI88B	RG88B	3	162.8	-84.7	55.0	-1.1	2.0	1.9	0.2	
			2.4	2.6	2.5	.4	1.0	.9	.8	
1 + 2 - 3			-.7	-1.4	4.5	-0.8	0.6	-0.1	-0.1	
			3.5	3.7	3.5	0.5	1.4	1.3	1.1	
LC88A	LC88B	1	0	0	0	0	0	0	0	
CI88A	LC88A	2	0.3	2.2	1.3	-0.3	-3.9	4.1	-15.7	
			2.2	2.2	2.1	.3	.9	.8	.7	
CI88B	LC88B	3	0.3	2.2	1.3	-0.3	-3.9	4.1	-15.7	(*)
1 + 2 - 3			0	0	0	0	0	0	0	
LG88A	LG88B	1	0	0	0	0	0	0	0	
CI88A	LG88A	2	-0.6	1.3	3.7	-0.2	-1.5	5.0	-7.4	
			2.2	2.2	2.2	.3	.9	.9	.7	
CI88B	LG88B	3	-0.6	1.3	3.8	-0.2	-1.5	5.0	-7.5	
			1.2	1.2	1.2	.2	.5	.5	.4	
1 + 2 - 3			0.0	0.0	-0.1	0.0	0.0	0.0	0.1	
			2.5	2.5	2.5	.4	1.0	1.0	.8	

(*) values fixed in the adjustment