AM-95-598

Orthopyroxene from the Serra de Mage meteorite: Structure refinement and estimation of C2/c pyroxene contributions to apparent Pbca diffraction violations

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For deposit: Tables 6 and 7

American Mineralogist, 80, 9-10, 923-929.

TABLE 6. Observed and calculated structure factors for orthopyroxene SDM N.13 natural (space group *Pbca*) (* = unobserved reflections with I > 3σI)

H	K	L	/FO/	/FC/
2	0	0*	1.0	4.1
4	0	0	73.7	-75.1
6	0	0	27.9	-29.7
8	0	0	12.8	6.8
10	0	0	6.8	5.8
12	0	0	205.0	-207.0
14	0	0	39.5	-41.0
16	0	0	136.2	139.6
18	0	0	13.5	13.9
20	0	0	146.6	-145.7
22	0	0	20.0	-19.8
24	0	0	28.3	-27.5
2	1	0	11.2	-10.7
4	1	0	10.6	11.0
6	1	0	184.7	188.5
8	1	0*	5.3	-4.2
10	1	0	96.3	99.2
12	1	0*	2.8	-2.8
14	1	0	87.2	91.4
16	1	0	7.7	-7.0
18	1	0	25.2	-25.9
20	1	0	16.9	-17.5
22	1	0	20.5	19.5
24	1	0	23.4	-22.2
0	2	0	8.9	-5.6
2	2	0*	5.1	4.6
4	2	0	189.6	-189.2
6	2	0	19.6	-20.8
8	2	0	87.8	91.2
10	2	0	30.8	32.6
12	2	0	26.7	-26.7
14	2	0*	7.6	-5.5
16	2	0	82.4	83.5
18	2	0	18.5	18.4
20	2	0	28.4	-28.9
22	2	0	22.1	-22.4
24	2	0	45.4	43.4
2	3	0*	11.4	-14.7
4	3	0	27.2	28.7
6	3	0	69.3	-68.0
8	3	0*	7.1	-6.3
10	3	0	35.4	33.0
12	3	0	8.8	-9.2
14	3	0	25.7	26.8
16	3	0	13.0	-13.1
18	3	0	23.5	24.7
20	3	0*	6.2	7.8
22	3	0	20.8	-20.5
24	3	0*	.0	-5.4
0	4	0	57.3	60.9
2	4	0	10.4	-10.9
4	4	0	111.4	-113.9
6	4	0*	5.0	.4
8	4	0	39.6	-36.0
10	4	0	46.1	46.8
12	4	0	44.4	-45.8
14	4	0*	.0	-.9
16	4	0	86.7	87.2
18	4	0*	6.7	3.2
20	4	0	35.1	35.2
22	4	0	27.5	-27.0
24	4	0	40.3	39.8
2	5	0	158.7	158.9
4	5	0	7.5	-7.3
6	5	0	127.1	-136.5
8	5	0	18.6	-17.7
10	5	0	47.1	-49.8
12	5	0	18.0	18.6
14	5	0	184.1	-183.2
16	5	0	9.1	8.9
18	5	0	48.6	48.1
20	5	0	32.5	32.0
22	5	0	19.7	-20.4
0	6	0	328.1	330.7
2	6	0	20.3	20.5
4	6	0	40.2	-40.2
6	6	0	20.3	-21.2
8	6	0	79.5	81.0
10	6	0	17.3	-17.8
12	6	0	99.8	-100.3
14	6	0	30.1	-30.9
16	6	0	66.2	65.1
18	6	0	15.2	15.9
20	6	0	130.4	-128.8
22	6	0*	.0	-5.4
2	7	0	38.4	38.2
4	7	0	45.1	46.6
6	7	0	12.9	12.1
8	7	0*	5.5	5.7
10	7	0	103.2	103.8
12	7	0*	7.6	-8.0
14	7	0	40.4	40.6
16	7	0	22.1	-22.8
18	7	0	27.7	27.0
20	7	0*	9.4	6.6
0	8	0	45.2	45.7
2	8	0	28.7	-30.3
4	8	0	73.0	-71.1
6	8	0*	.0	1.8
8	8	0	28.3	25.0
10	8	0	33.2	
12	8	0	32.0	-
14	8	0*	4.8	
16	8	0	59.0	
18	8	0*	.0	
2	9	0	34.7	
4	9	0*	6.3	
6	9	0	15.9	-
8	9	0	24.4	-
10	9	0	41.3	
12	9	0*	.0	
14	9	0*	9.2	
16	9	0*	4.6	
0	10	0	56.5	-
2	10	0	15.8	
4	10	0	41.4	-
6	10	0*	1.2	
8	10	0	37.9	-
10	10	0*	.0	
12	10	0*	9.9	
14	10	0*	5.7	
2	11	0	81.9	
4	11	0	23.2	
6	11	0	95.0	-
8	11	0*	.0	
10	11	0	21.7	-
12	11	0*	.0	-
0	12	0	113.9	1
2	12	0*	8.5	-
4	12	0	15.4	
6	12	0*	.0	
1	1	1	20.1	-
2	1	1	64.8	-6
3	1	1	24.1	2
4	1	1	53.2	5
5	1	1	106.8	10
6	1	1	78.3	7
7	1	1	66.9	-6
8	1	1	49.5	5
9	1	1	15.3	-1
10	1	1	40.5	-4
11	1	1	9.1	-
12	1	1	7.1	
13	1	1	42.8	4
14	1	1	57.5	5
15	1	1	35.8	-3
16	1	1	37.6	3
17	1	1	18.4	-1
18	1	1	22.3	-2
19	1	1*	9.0	-

H	K	L	/FO/	/FC/
20	1	1	8.3	-8.5
21	1	1	34.1	34.6
22	1	1*	9.5	6.9
23	1	1	12.0	-12.4
24	1	1*	5.6	-.3
25	1	1	23.1	-22.4
0	2	1	17.4	17.9
1	2	1	60.7	58.8
2	2	1	129.0	-127.5
3	2	1	118.5	-111.4
4	2	1	98.7	-100.3
5	2	1	100.9	99.4
6	2	1	13.7	-13.7
7	2	1	67.9	68.2
8	2	1	67.7	70.4
9	2	1	17.2	-16.2
10	2	1	25.0	24.5
11	2	1	28.5	-28.3
12	2	1	39.2	-42.3
13	2	1	43.6	44.3
14	2	1*	9.5	7.8
15	2	1	36.1	36.2
16	2	1	55.3	56.7
17	2	1	42.2	-42.0
18	2	1	39.3	40.0
19	2	1*	4.6	3.7
20	2	1*	5.4	-1.0
21	2	1	25.2	-25.8
22	2	1	45.4	43.0
23	2	1	56.0	54.5
24	2	1	41.5	38.3
25	2	1	39.1	-38.2
1	3	1	148.8	-146.4
2	3	1	100.1	-100.1
3	3	1	10.0	-9.0
4	3	1	48.0	50.6
5	3	1	130.2	130.2
6	3	1	145.1	149.4
7	3	1	27.8	-26.8
8	3	1	65.5	-68.4
9	3	1	131.4	-132.5
10	3	1	172.7	-178.0
11	3	1	182.4	181.5
12	3	1	136.4	-139.5
13	3	1*	11.9	-8.8
14	3	1	36.4	36.8
15	3	1*	7.6	5.3
16	3	1	14.7	-14.2
17	3	1	77.6	-77.1
18	3	1	51.5	-51.6

H	K	L	/FO/	/FC/
19	3	1	28.6	28.5
20	3	1	15.8	14.4
21	3	1	60.1	59.4
22	3	1	77.7	76.3
23	3	1*	15.7	-14.4
24	3	1	30.1	29.8
0	4	1	13.5	14.4
1	4	1	83.4	-80.4
2	4	1	82.3	84.0
3	4	1	20.7	22.2
4	4	1	18.4	19.8
5	4	1	59.4	-60.0
6	4	1	21.8	22.0
7	4	1	17.8	-18.6
8	4	1	21.6	21.4
9	4	1	17.5	-16.2
10	4	1*	3.0	-4.6
11	4	1*	4.4	-4.5
12	4	1*	6.3	-6.4
13	4	1*	6.7	-7.9
14	4	1	26.2	-26.6
15	4	1*	5.6	3.7
16	4	1	26.4	-26.3
17	4	1	22.0	22.0
18	4	1	25.7	-25.6
19	4	1	27.5	-27.4
20	4	1	26.7	-26.2
21	4	1	26.4	26.8
22	4	1	42.4	-40.6
23	4	1	30.2	-29.1
24	4	1	12.2	-11.9
1	5	1*	11.2	-7.9
2	5	1	68.6	-69.3
3	5	1	40.0	39.3
4	5	1	29.8	30.7
5	5	1	65.4	66.0
6	5	1	47.6	48.6
7	5	1	53.8	-54.2
8	5	1	31.5	32.3
9	5	1	40.4	-40.4
10	5	1	33.8	-34.6
11	5	1*	7.3	-.3
12	5	1*	5.6	1.4
13	5	1	27.5	27.8
14	5	1	65.0	64.7
15	5	1	26.7	-27.5
16	5	1	24.8	25.1
17	5	1	14.8	-14.4
18	5	1	20.1	-20.0
19	5	1*	.0	7.8

H	K	L	/FO/
20	5	1*	7.0
21	5	1	35.5
22	5	1*	5.5
23	5	1*	11.8
0	6	1	41.7
1	6	1	36.7
2	6	1*	7.5
3	6	1	14.0
4	6	1	14.2
5	6	1	17.6
6	6	1*	7.9
7	6	1	29.3
8	6	1	9.2
9	6	1*	7.5
10	6	1	10.3
11	6	1	24.0
12	6	1	31.5
13	6	1*	4.5
14	6	1	15.4
15	6	1*	1.5
16	6	1	14.1
17	6	1*	9.7
18	6	1*	3.2
19	6	1	16.5
20	6	1*	5.2
21	6	1	12.8
22	6	1*	9.5
1	7	1*	12.1
2	7	1*	4.9
3	7	1	22.8
4	7	1	23.5
5	7	1	52.2
6	7	1	46.3
7	7	1	27.0
8	7	1	39.0
9	7	1	43.6
10	7	1*	3.2
11	7	1*	18.3
12	7	1	23.1
13	7	1	25.7
14	7	1*	4.1
15	7	1	23.5
16	7	1	28.2
17	7	1*	11.4
18	7	1*	14.0
19	7	1	26.4
20	7	1*	5.2
21	7	1	11.6
0	8	1*	7.3
1	8	1	12.7

H	K	L	/FO/	/FC/
2	8	1	68.9	-70.3
3	8	1	109.3	-108.7
4	8	1	92.3	-93.9
5	8	1	62.9	62.0
6	8	1	17.8	-19.0
7	8	1	43.0	41.4
8	8	1	91.0	91.1
9	8	1	24.2	-24.8
10	8	1	17.2	16.9
11	8	1	19.3	-20.4
12	8	1	33.3	-33.7
13	8	1	50.7	49.0
14	8	1*	.0	-3.1
15	8	1	52.5	52.4
16	8	1	44.2	43.4
17	8	1	30.3	-28.4
18	8	1	37.9	36.8
19	8	1	15.7	-14.2
1	9	1	42.9	-41.7
2	9	1	55.7	-55.8
3	9	1	14.5	14.7
4	9	1*	6.8	5.7
5	9	1	22.6	22.4
6	9	1	19.6	18.7
7	9	1*	8.5	-5.3
8	9	1	39.1	-40.6
9	9	1	74.3	-73.8
0	9	1	71.6	-71.7
1	9	1	76.8	74.6
2	9	1	76.8	-74.7
3	9	1*	22.6	-16.3
4	9	1	22.8	23.6
5	9	1*	12.6	9.6
6	9	1	17.5	-18.4
7	9	1	24.2	-23.8
0	10	1	56.6	57.2
1	10	1	53.5	-52.7
2	10	1	28.0	28.9
3	10	1*	10.5	2.6
4	10	1	9.0	-8.8
5	10	1*	3.6	.3
6	10	1	17.7	17.2
7	10	1	13.2	13.7
8	10	1	24.1	22.7
9	10	1	13.3	-12.7
0	10	1	9.7	9.9
1	10	1	28.8	-30.1
2	10	1	40.0	-39.6
3	10	1*	8.5	3.8
4	10	1	22.8	-22.5

H	K	L	/FO/	/FC/
15	10	1	12.4	11.5
1	11	1*	5.0	-5.8
2	11	1	12.7	-12.6
3	11	1*	11.4	3.3
4	11	1*	.6	1.2
5	11	1	28.5	28.5
6	11	1	33.2	32.5
7	11	1	19.2	-18.2
8	11	1*	8.3	5.6
9	11	1	15.1	-13.0
10	11	1	8.8	-10.8
11	11	1	15.7	16.1
0	12	1*	5.8	4.7
1	12	1	23.9	-23.3
2	12	1	16.3	17.7
3	12	1*	8.8	1.8
4	12	1	15.8	-14.6
5	12	1*	12.7	-3.5
6	12	1*	7.0	4.5
0	0	2	27.8	-27.1
1	0	2	62.3	61.4
2	0	2	197.4	-186.4
3	0	2	132.5	129.2
4	0	2	12.2	10.9
5	0	2	201.4	-199.2
6	0	2	42.2	12.4
7	0	2	140.7	-140.7
8	0	2*	8.8	6.0
9	0	2	142.0	144.3
10	0	2*	.0	18.0
11	0	2	198.3	199.7
12	0	2	26.7	26.7
13	0	2	26.3	-26.6
14	0	2*	15.0	-7.8
15	0	2	57.6	-57.6
16	0	2*	.0	5.3
17	0	2	73.8	75.7
18	0	2	43.5	42.4
19	0	2	34.6	36.8
20	0	2*	7.6	5.4
21	0	2	28.4	-27.7
22	0	2	89.2	90.2
23	0	2	113.7	-111.1
24	0	2*	14.7	-7.9
1	1	2	6.6	7.4
2	1	2	14.4	-14.8
3	1	2	17.1	-17.8
4	1	2	45.1	41.8
5	1	2	76.3	-77.0
6	1	2	13.7	-14.0

H	K	L	/FO/	
7	1	2	7.6	
8	1	2	71.3	-[illegible]
9	1	2	42.8	[illegible]
10	1	2*	2.5	
11	1	2	83.2	-[illegible]
12	1	2	119.2	-1[illegible]
13	1	2	29.1	[illegible]
14	1	2*	5.5	
15	1	2*	.0	[illegible]
16	1	2	48.9	-[illegible]
17	1	2	57.1	[illegible]
18	1	2*	9.5	1[illegible]
19	1	2*	5.6	
20	1	2	12.5	1[illegible]
21	1	2*	9.2	
22	1	2	14.7	1[illegible]
23	1	2	37.3	3[illegible]
24	1	2	22.2	2[illegible]
0	2	2*	5.2	
1	2	2	42.3	4[illegible]
2	2	2*	18.0	[illegible]
3	2	2	85.7	8[illegible]
4	2	2	19.7	1[illegible]
5	2	2	33.4	-3[illegible]
6	2	2	64.4	6[illegible]
7	2	2	103.6	-10[illegible]
8	2	2	18.6	-1[illegible]
9	2	2	73.8	7[illegible]
10	2	2	37.3	3[illegible]
11	2	2	23.4	2[illegible]
12	2	2	11.2	-1[illegible]
13	2	2	44.9	-4[illegible]
14	2	2*	23.8	-2[illegible]
15	2	2	56.1	-57
16	2	2*	8.7	-[illegible]
17	2	2	17.6	-1[illegible]
18	2	2	46.3	-47
19	2	2	58.8	58
20	2	2*	9.8	11
21	2	2	22.5	-21
22	2	2	19.7	-19
23	2	2	12.2	-11
24	2	2*	1.2	-2
1	3	2	24.1	-24
2	3	2*	3.7	-1
3	3	2	20.3	-20
4	3	2	39.4	-36
5	3	2	40.3	40
6	3	2	9.5	9
7	3	2	23.2	-23

H	K	L	/FO/	/FC/
8	3	2	18.4	-18.0
9	3	2*	6.3	3.6
10	3	2*	4.7	4.9
11	3	2	19.4	19.3
12	3	2	11.5	4.0
13	3	2	12.3	12.4
14	3	2*	4.6	.6
15	3	2*	5.6	5.2
16	3	2*	7.9	5.2
17	3	2	19.1	-19.5
18	3	2*	4.4	-3.4
19	3	2*	4.9	-5.8
20	3	2*	8.0	-6.6
21	3	2	9.1	10.1
22	3	2*	7.5	4.2
23	3	2*	10.5	-9.4
24	3	2*	5.9	-5.4
0	4	2	22.4	-22.4
1	4	2	64.1	62.4
2	4	2	68.5	66.1
3	4	2	14.5	-15.5
4	4	2	5.9	5.1
5	4	2	38.3	-38.4
6	4	2	42.9	42.4
7	4	2	69.1	-70.3
8	4	2*	6.2	-6.9
9	4	2*	6.8	6.1
10	4	2*	12.3	-3.8
11	4	2	33.2	33.0
12	4	2*	5.7	-4.6
13	4	2	25.3	-25.0
14	4	2	23.5	-24.8
15	4	2	28.5	-28.0
16	4	2	11.3	-10.2
17	4	2*	5.4	-5.9
8	4	2	30.9	-31.2
9	4	2	30.8	29.7
0	4	2*	6.2	5.6
1	4	2*	12.1	-11.7
2	4	2	21.1	-18.9
3	4	2*	11.9	-10.8
1	5	2	32.5	-33.9
2	5	2	15.0	-15.1
3	5	2	120.4	123.0
4	5	2	38.3	16.9
5	5	2	60.4	61.8
6	5	2	8.0	-6.8
7	5	2	33.5	-34.5
8	5	2	90.0	89.6
9	5	2	115.9	-117.6

H	K	L	/FO/	/FC/
10	5	2*	.0	1.5
11	5	2	71.1	72.2
12	5	2	92.7	91.6
13	5	2	31.0	30.9
14	5	2	9.9	8.3
15	5	2	30.0	-30.1
16	5	2*	33.1	28.6
17	5	2	63.1	-62.9
18	5	2	12.8	-13.5
19	5	2	19.6	19.3
20	5	2*	12.1	-11.8
21	5	2	14.3	14.5
22	5	2	20.2	-19.3
0	6	2*	.0	3.9
1	6	2*	9.2	9.3
2	6	2	140.3	-141.4
3	6	2	117.9	120.0
4	6	2	9.5	9.0
5	6	2	91.0	-91.9
6	6	2*	8.2	-.1
7	6	2	76.1	-76.0
8	6	2	10.0	-8.8
9	6	2	113.1	114.2
10	6	2	35.3	33.5
11	6	2	101.1	100.7
12	6	2	12.5	11.5
13	6	2	13.5	-12.8
14	6	2*	5.0	1.3
15	6	2	36.0	-35.8
16	6	2	11.1	11.1
17	6	2	36.6	36.0
18	6	2	20.6	19.7
19	6	2	35.1	34.1
20	6	2*	10.1	10.7
21	6	2	25.5	-24.6
1	7	2	31.4	-32.8
2	7	2	8.1	-8.3
3	7	2*	6.0	-5.8
4	7	2	21.7	-24.1
5	7	2	21.7	22.9
6	7	2*	3.4	1.9
7	7	2	45.9	-46.9
8	7	2	50.4	-52.6
9	7	2*	.0	-8.0
10	7	2*	.0	-3.3
11	7	2*	9.3	-9.4
12	7	2	57.9	-57.0
13	7	2	42.9	42.4
14	7	2*	.0	-3.8
15	7	2*	.0	-.9

H	K	L	/FO/	
16	7	2	21.6	-
17	7	2*	6.2	
18	7	2*	2.5	
19	7	2	14.4	
20	7	2*	4.1	
0	8	2*	4.1	
1	8	2	38.7	
2	8	2	14.0	
3	8	2	31.4	
4	8	2	9.9	
5	8	2	24.3	-
6	8	2	20.7	
7	8	2	40.2	-
8	8	2*	.0	
9	8	2	23.6	[illegible]
10	8	2*	10.8	
11	8	2	25.5	[illegible]
12	8	2*	3.1	
13	8	2	34.3	-[illegible]
14	8	2*	15.2	-[illegible]
15	8	2	35.2	-[illegible]
16	8	2*	9.4	-
17	8	2*	1.6	
18	8	2	17.5	-1
1	9	2	30.1	-[illegible]
2	9	2	13.6	-1
3	9	2	10.0	1
4	9	2	14.5	-1
5	9	2	15.3	1
6	9	2*	.0	-
7	9	2	15.0	-1
8	9	2	12.7	-1
9	9	2*	.0	-
10	9	2*	9.8	1[illegible]
11	9	2*	8.4	[illegible]
12	9	2	16.6	-1[illegible]
13	9	2	40.5	3[illegible]
14	9	2	18.1	1[illegible]
15	9	2	13.0	-1[illegible]
16	9	2	11.4	-1[illegible]
0	10	2*	4.8	[illegible]
1	10	2*	.0	[illegible]
2	10	2	44.5	41
3	10	2	29.1	-31
4	10	2*	.0	
5	10	2*	5.5	-
6	10	2	29.8	28
7	10	2	31.9	-31
8	10	2	16.3	-16
9	10	2*	4.7	-5

H	K	L	/FO/	/FC/
10	10	2	19.3	6.1
11	10	2*	11.9	-14.3
12	10	2	11.2	-11.3
13	10	2*	.0	2.1
1	11	2	13.0	-13.5
2	11	2*	3.7	-3.1
3	11	2	70.3	70.7
4	11	2*	8.3	5.9
5	11	2	49.1	49.4
6	11	2*	7.0	7.1
7	11	2	37.2	-36.8
8	11	2	50.6	49.8
9	11	2	84.8	-82.5
10	11	2*	.0	.0
0	12	2*	5.4	-5.6
1	12	2*	5.7	-3.9
2	12	2	62.4	-61.3
1	1	3	38.3	37.0
2	1	3	78.8	-77.3
3	1	3	77.6	-74.9
4	1	3*	6.1	-3.4
5	1	3	52.2	-50.6
6	1	3	19.1	-19.2
7	1	3	11.1	-9.7
8	1	3	12.2	12.7
9	1	3	54.2	53.0
10	1	3	65.2	-64.6
11	1	3	28.4	-27.6
12	1	3*	1.8	-2.8
13	1	3	13.1	-13.5
14	1	3*	8.1	6.6
15	1	3	26.0	26.1
16	1	3	13.8	14.0
17	1	3	54.3	55.5
18	1	3	36.5	-36.6
19	1	3*	4.1	-3.8
20	1	3*	.0	2.3
21	1	3	13.2	-13.2
22	1	3	7.7	10.3
23	1	3*	6.9	4.6
0	2	3	200.8	196.9
1	2	3	106.8	100.5
2	2	3*	6.1	3.7
3	2	3*	6.8	5.3
4	2	3	16.9	15.8
5	2	3	34.7	-36.2
6	2	3	17.5	-18.2
7	2	3	71.6	-70.2
8	2	3	33.8	34.9
9	2	3	18.1	-18.4
10	2	3	22.7	-21.8
11	2	3	8.9	-9.8
12	2	3	54.6	-53.9
13	2	3	62.5	-62.1
14	2	3*	11.9	-11.7
15	2	3	49.3	-50.7
16	2	3*	14.4	15.9
17	2	3	9.6	9.7
18	2	3*	12.7	11.5
19	2	3	43.6	44.7
20	2	3	65.6	-64.9
21	2	3	19.8	-19.9
22	2	3*	8.8	8.2
23	2	3	13.9	13.1
1	3	3	184.9	181.8
2	3	3	117.4	-117.0
3	3	3	33.6	-32.9
4	3	3	26.7	24.4
5	3	3	74.4	-74.2
6	3	3	128.0	129.3
7	3	3	72.7	71.9
8	3	3	10.9	10.7
9	3	3	12.5	9.7
10	3	3	32.8	34.5
11	3	3	26.6	-25.4
12	3	3	34.8	-34.3
13	3	3	109.3	-110.5
14	3	3	133.7	135.1
15	3	3	57.7	56.8
16	3	3	14.5	-15.8
17	3	3	42.4	43.7
18	3	3	55.3	-55.9
19	3	3	50.5	-51.2
20	3	3	18.3	-16.6
21	3	3	72.3	-72.0
22	3	3	25.2	25.7
0	4	3	114.4	-116.5
1	4	3	41.4	-40.6
2	4	3*	8.3	-7.6
3	4	3	50.4	50.2
4	4	3	56.1	-56.3
5	4	3*	11.6	10.8
6	4	3	8.7	8.0
7	4	3	19.1	20.3
8	4	3*	8.0	9.2
9	4	3	41.2	41.0
10	4	3	26.9	26.9
11	4	3	31.7	31.0
12	4	3	20.3	21.4
13	4	3	28.5	29.7
14	4	3	8.4	[illegible]
15	4	3	12.4	[illegible]
16	4	3*	11.1	[illegible]
17	4	3*	.0	[illegible]
18	4	3*	8.1	[illegible]
19	4	3*	5.1	[illegible]
20	4	3	29.5	[illegible]
21	4	3*	6.6	[illegible]
22	4	3	16.2	[illegible]
1	5	3	34.8	[illegible]
2	5	3	71.6	[illegible]
3	5	3	67.2	[illegible]
4	5	3	17.7	[illegible]
5	5	3	35.6	[illegible]
6	5	3	10.4	[illegible]
7	5	3*	10.3	[illegible]
8	5	3*	2.8	[illegible]
9	5	3	41.8	[illegible]
10	5	3	43.4	[illegible]
11	5	3	16.4	[illegible]
12	5	3*	.0	[illegible]
13	5	3	26.2	[illegible]
14	5	3	29.0	[illegible]
15	5	3	35.0	[illegible]
16	5	3	14.2	[illegible]
17	5	3	39.9	[illegible]
18	5	3	30.0	[illegible]
19	5	3*	9.0	[illegible]
20	5	3*	7.1	[illegible]
21	5	3	14.1	[illegible]
0	6	3	15.6	[illegible]
1	6	3	20.0	[illegible]
2	6	3	25.7	[illegible]
3	6	3	25.8	[illegible]
4	6	3	21.7	[illegible]
5	6	3	12.7	[illegible]
6	6	3*	8.2	[illegible]
7	6	3*	6.5	[illegible]
8	6	3*	5.3	[illegible]
9	6	3*	3.1	[illegible]
10	6	3*	.0	[illegible]
11	6	3	25.6	[illegible]
12	6	3	15.3	[illegible]
13	6	3*	6.9	[illegible]
14	6	3*	4.6	[illegible]
15	6	3*	13.1	[illegible]
16	6	3	20.6	[illegible]
17	6	3	14.5	[illegible]
18	6	3	13.1	[illegible]
19	6	3*	6.9	[illegible]

H	K	L	/FO/	/FC/
20	6	3*	.0	7.5
1	7	3*	18.1	-6.6
2	7	3	15.8	-16.4
3	7	3	25.3	-26.0
4	7	3	19.1	20.5
5	7	3	27.4	-26.0
6	7	3	22.2	-24.0
7	7	3*	20.0	-15.6
8	7	3	18.0	18.6
9	7	3	23.2	22.5
10	7	3	44.4	-44.4
11	7	3	19.7	-20.8
12	7	3*	7.5	-6.6
13	7	3*	19.6	18.1
14	7	3	30.7	-31.0
15	7	3*	11.0	-1.9
16	7	3*	.0	1.0
17	7	3	36.7	38.2
18	7	3	21.8	-21.7
0	8	3	127.8	130.5
1	8	3	68.3	68.6
2	8	3	11.2	-13.5
3	8	3	32.4	31.9
4	8	3	7.3	-7.3
5	8	3	29.3	-30.6
6	8	3*	10.9	-10.3
7	8	3	76.9	-76.3
8	8	3	54.7	56.0
9	8	3*	11.8	10.2
10	8	3*	.7	2.4
11	8	3*	7.5	-6.4
12	8	3	42.6	-42.6
13	8	3	53.1	-53.8
14	8	3*	10.0	-7.7
15	8	3	52.6	-52.1
6	8	3	18.6	19.0
1	9	3	80.3	81.3
2	9	3	47.0	-47.8
3	9	3	13.4	-13.8
4	9	3*	5.1	-.7
5	9	3	13.0	-7.6
6	9	3	50.1	49.5
7	9	3	25.1	26.2
8	9	3*	5.2	-3.0
9	9	3*	.0	-2.6
0	9	3	36.1	37.0
1	9	3*	11.0	1.2
2	9	3*	9.6	-9.3
3	9	3	65.9	-65.9
4	9	3	81.6	81.9

H	K	L	/FO/	/FC/
0	10	3	18.9	-19.0
1	10	3	18.0	17.0
2	10	3*	7.0	6.4
3	10	3	37.5	38.7
4	10	3	44.9	-46.0
5	10	3*	7.0	-7.4
6	10	3*	9.5	-6.2
7	10	3*	6.0	.9
8	10	3*	13.4	14.1
9	10	3	20.1	21.4
10	10	3*	6.2	2.9
11	10	3	42.7	42.2
1	11	3*	9.3	6.1
2	11	3	25.0	-24.6
3	11	3	15.9	-15.4
4	11	3*	3.8	2.8
5	11	3	22.8	-23.9
6	11	3*	.0	1.4
0	0	4	101.7	-100.4
1	0	4	125.6	-123.6
2	0	4*	5.5	-3.1
3	0	4	66.9	66.1
4	0	4	172.8	166.8
5	0	4	28.4	-28.7
6	0	4	17.4	16.8
7	0	4	45.5	-45.9
8	0	4	128.2	-125.7
9	0	4	38.8	-39.4
10	0	4	14.1	-12.4
11	0	4	99.0	-99.2
12	0	4	116.9	113.6
13	0	4	44.0	-44.5
14	0	4	8.4	8.4
15	0	4*	.0	1.0
16	0	4	96.6	-95.6
17	0	4*	.0	-.5
18	0	4	28.0	-27.8
19	0	4*	.0	-1.9
20	0	4	34.3	32.9
21	0	4	46.9	46.3
1	1	4	80.0	79.7
2	1	4	31.7	20.4
3	1	4	33.3	33.9
4	1	4*	4.7	-1.4
5	1	4	55.7	54.9
6	1	4	35.3	-34.8
7	1	4	49.9	-48.5
8	1	4*	6.0	3.2
9	1	4	29.4	29.6
10	1	4	69.9	70.1

H	K	L	/FO/	
11	1	4	66.9	-
12	1	4	8.7	
13	1	4	12.2	
14	1	4	16.2	
15	1	4	29.5	-
16	1	4*	7.4	
17	1	4*	9.2	
18	1	4	21.6	
19	1	4	18.8	-
20	1	4*	.0	
21	1	4*	12.5	-
0	2	4	66.0	-
1	2	4	32.3	
2	2	4*	.0	
3	2	4*	5.8	
4	2	4	57.6	
5	2	4	62.6	
6	2	4*	6.8	
7	2	4	32.7	
8	2	4	79.9	-7
9	2	4	10.8	1
10	2	4	15.1	-1
11	2	4*	.0	
12	2	4	44.3	4
13	2	4*	3.4	-
14	2	4	18.8	1
15	2	4	23.4	2
16	2	4	25.3	-2
17	2	4*	3.0	-
18	2	4*	9.5	-
19	2	4*	.0	
20	2	4	47.5	4
21	2	4*	7.8	-
1	3	4	10.8	-1
2	3	4*	10.9	-
3	3	4*	6.7	
4	3	4*	1.0	
5	3	4	12.6	-1
6	3	4	29.1	2
7	3	4	18.8	1
8	3	4*	1.0	
9	3	4	17.8	17
10	3	4*	12.0	-11
11	3	4*	9.6	-7
12	3	4*	.0	-7
13	3	4	14.3	14
14	3	4*	.0	3
15	3	4	20.9	-20
16	3	4*	.0	3
17	3	4*	4.6	5

H	K	L	/FO/	/FC/
18	3	4*	10.4	-8.3
19	3	4*	7.2	-8.2
20	3	4*	2.0	-4.8
0	4	4	69.2	-67.0
1	4	4*	7.8	5.8
2	4	4*	6.1	-4.9
3	4	4	11.5	-11.3
4	4	4	19.8	17.5
5	4	4	52.4	51.6
6	4	4*	5.0	4.4
7	4	4*	.0	-4.1
8	4	4	33.2	-32.8
9	4	4	43.9	44.2
10	4	4*	6.4	-6.6
11	4	4	10.2	-10.3
12	4	4	36.4	34.9
13	4	4	21.9	23.2
14	4	4	16.3	16.9
15	4	4	39.8	40.8
16	4	4	16.8	-15.7
17	4	4	15.1	-14.8
18	4	4*	11.2	-10.2
19	4	4	28.0	27.1
20	4	4	26.3	26.1
1	5	4	49.6	-48.3
2	5	4	82.9	-80.8
3	5	4	53.9	-53.2
4	5	4*	.0	-4.7
5	5	4	25.9	-26.4
6	5	4	59.9	58.6
7	5	4	27.6	26.2
8	5	4*	3.5	1.7
9	5	4	24.5	-25.1
10	5	4	103.1	-102.1
11	5	4	62.6	61.6
12	5	4	14.5	-14.3
13	5	4	47.4	-48.7
14	5	4	31.5	33.8
15	5	4	45.2	46.0
16	5	4*	6.2	6.8
17	5	4*	6.4	-1.7
18	5	4	42.5	-43.3
19	5	4	25.7	28.1
0	6	4	42.9	-40.7
1	6	4	61.0	-61.2
2	6	4*	.0	.2
3	6	4	38.0	39.0
4	6	4	111.0	109.9
5	6	4	22.0	-21.8
6	6	4	9.9	11.0

H	K	L	/FO/	/FC/
7	6	4	14.9	-14.0
8	6	4	87.7	-88.4
9	6	4	50.0	-50.3
10	6	4*	.0	-7.7
11	6	4	57.0	-57.9
12	6	4	67.0	67.2
13	6	4	46.8	-49.1
14	6	4*	2.5	2.5
15	6	4*	11.7	-11.2
16	6	4	59.7	-59.8
17	6	4*	.0	6.8
1	7	4	37.5	36.6
2	7	4	25.5	-25.3
3	7	4	30.4	31.4
4	7	4*	4.3	-3.2
5	7	4	12.6	12.7
6	7	4	29.0	29.0
7	7	4*	.0	-.4
8	7	4*	9.2	7.8
9	7	4	26.5	27.9
10	7	4*	7.2	4.4
11	7	4	47.6	-47.2
12	7	4*	.0	-.1
13	7	4	10.8	13.0
14	7	4	34.9	35.9
15	7	4	38.4	-38.6
16	7	4	15.0	14.5
0	8	4	40.4	-38.1
1	8	4*	6.2	-8.8
2	8	4*	5.0	.5
3	8	4	12.4	12.1
4	8	4	34.6	34.0
5	8	4	29.4	28.9
6	8	4*	5.0	-1.7
7	8	4*	4.9	5.8
8	8	4	42.1	-43.0
9	8	4	20.5	21.7
10	8	4*	10.4	-9.9
11	8	4	11.8	-11.7
12	8	4	29.4	30.2
13	8	4*	6.5	3.3
14	8	4*	8.1	8.6
1	9	4*	.0	1.5
2	9	4	17.0	-15.6
3	9	4*	11.0	-11.3
4	9	4*	3.4	5.9
5	9	4*	12.7	13.4
6	9	4	31.0	31.7
7	9	4*	1.2	2.1
8	9	4*	5.5	7.1

H	K	L	/FO/
9	9	4	27.2
10	9	4	14.3
11	9	4*	.0
0	10	4	22.3
1	10	4	22.5
2	10	4*	.0
3	10	4	22.1
4	10	4	22.0
5	10	4	24.9
6	10	4*	5.2
1	1	5	29.7
2	1	5	34.0
3	1	5*	6.0
4	1	5	23.7
5	1	5*	6.5
6	1	5	64.4
7	1	5	35.4
8	1	5	16.1
9	1	5	28.5
10	1	5	23.1
11	1	5	13.4
12	1	5	33.1
13	1	5	27.1
14	1	5	40.5
15	1	5*	12.7
16	1	5*	7.5
17	1	5*	.0
18	1	5	14.2
0	2	5*	6.4
1	2	5	23.1
2	2	5	55.9
3	2	5	23.8
4	2	5	70.1
5	2	5	22.2
6	2	5	18.6
7	2	5*	.0
8	2	5	30.4
9	2	5	64.2
10	2	5*	10.4
11	2	5	71.4
12	2	5	36.5
13	2	5	30.8
14	2	5*	.0
15	2	5*	8.1
16	2	5	30.6
17	2	5	23.4
18	2	5	19.5
1	3	5	14.8
2	3	5	72.9
3	3	5	94.8

H	K	L	/FO/	/FC/
4	3	5	16.7	16.2
5	3	5	58.6	-57.8
6	3	5	75.9	-76.7
7	3	5	37.0	38.7
8	3	5	50.7	-51.6
9	3	5	52.4	51.8
10	3	5	120.9	122.8
11	3	5	26.9	-26.0
12	3	5	58.4	-57.4
13	3	5	34.8	-33.7
14	3	5	17.0	-16.2
15	3	5	33.5	32.1
16	3	5	43.7	-41.4
17	3	5	51.0	50.6
0	4	5	38.6	-39.3
1	4	5*	5.5	1.7
2	4	5	40.6	40.4
3	4	5*	4.5	-4.9
4	4	5	17.0	-18.1
5	4	5*	8.2	-.6
6	4	5	19.5	18.4
7	4	5	16.2	-18.1
8	4	5*	9.7	-10.6
9	4	5	35.7	-35.4
10	4	5*	3.0	.4
11	4	5	37.5	-37.5
12	4	5*	3.1	-.6
13	4	5	41.0	-39.5
14	4	5*	.0	4.7
15	4	5	28.2	-26.8
16	4	5*	2.9	2.1
17	4	5	16.0	-15.3
1	5	5	13.7	14.0
2	5	5	35.3	35.3
3	5	5*	3.8	-4.8
4	5	5*	9.0	10.3
5	5	5*	10.8	-9.8
6	5	5	50.7	-51.3
7	5	5	40.6	40.7
8	5	5*	.0	3.2
9	5	5	33.6	33.1
10	5	5	33.0	31.8
11	5	5*	11.4	-9.9
12	5	5	19.9	20.1
13	5	5	18.0	-19.1
14	5	5	31.5	-33.1
15	5	5*	10.3	-10.1
0	6	5	33.1	-33.4
1	6	5*	.0	-5.0
2	6	5	18.3	18.8

H	K	L	/FO/	/FC/
3	6	5*	11.2	-7.6
4	6	5*	8.5	9.0
5	6	5	23.8	-23.1
6	6	5*	7.4	5.6
7	6	5	22.8	-22.9
8	6	5	16.2	-17.1
9	6	5*	6.4	5.7
10	6	5	12.9	-12.5
11	6	5*	7.5	8.1
12	6	5	15.2	15.7
13	6	5*	.0	6.0
14	6	5*	6.6	5.9
1	7	5	30.4	31.4
2	7	5*	.0	2.4
3	7	5	22.5	21.6
4	7	5	28.5	29.8
5	7	5*	22.3	14.9
6	7	5	37.8	-37.1
7	7	5	8.3	4.5
8	7	5	25.3	26.5
9	7	5*	6.5	-1.3
10	7	5*	5.1	-5.4
11	7	5	11.9	-11.2
12	7	5	22.6	21.9
0	8	5*	10.6	-9.9
1	8	5	34.6	33.2
2	8	5	51.4	-51.6
3	8	5	27.0	29.9
4	8	5	72.1	74.1
5	8	5	14.4	-15.8
6	8	5*	8.0	-7.0
7	8	5*	3.9	4.9
8	8	5	46.1	-45.6
9	8	5	51.6	52.5
1	9	5	30.9	-29.8
2	9	5	29.8	30.9
3	9	5	47.5	-50.2
0	0	6	8.6	9.1
1	0	6	123.9	-127.2
2	0	6	25.0	12.7
3	0	6	28.0	-31.4
4	0	6	26.8	-26.0
5	0	6	53.5	55.3
6	0	6	18.6	9.0
7	0	6	98.6	98.1
8	0	6*	9.5	10.2
9	0	6*	.0	-.5
10	0	6	20.4	20.0
11	0	6	11.2	-10.2
12	0	6	11.6	-12.2

H	K	L	/FO/
13	0	6	78.0
14	0	6*	26.7
1	1	6	64.9
2	1	6*	.0
3	1	6	18.5
4	1	6	17.0
5	1	6*	.0
6	1	6*	.0
7	1	6	33.7
8	1	6*	.0
9	1	6	26.6
10	1	6*	4.8
11	1	6	11.6
12	1	6	31.7
13	1	6	59.3
14	1	6*	.0
0	2	6	15.2
1	2	6	31.0
2	2	6	17.0
3	2	6	58.8
4	2	6*	11.7
5	2	6	19.7
6	2	6	23.5
7	2	6*	5.9
8	2	6	17.4
9	2	6	20.6
10	2	6	20.9
11	2	6	49.7
12	2	6	9.4
13	2	6	9.8
14	2	6*	.0
1	3	6*	10.3
2	3	6*	3.9
3	3	6	9.4
4	3	6	22.7
5	3	6*	5.9
6	3	6*	7.7
7	3	6*	.0
8	3	6*	9.9
9	3	6*	9.2
10	3	6*	4.3
11	3	6*	8.5
12	3	6*	9.5
13	3	6*	.0
0	4	6	22.6
1	4	6*	.0
2	4	6*	15.8
3	4	6	51.9
4	4	6*	6.6
5	4	6	16.3

H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/	H	K	L	/FO/
6	4	6	13.5	-10.1	10	5	6*	12.0	10.0	4	1	7	20.9
7	4	6*	7.6	-8.6	0	6	6*	6.9	-4.8	5	1	7*	4.9
8	4	6	11.6	11.7	1	6	6	96.3	-99.5	6	1	7	12.7
9	4	6	20.7	-21.1	2	6	6	28.2	28.8	7	1	7*	12.8
10	4	6*	12.3	9.8	3	6	6	11.8	-11.6	0	2	7	11.9
11	4	6	36.5	-37.3	4	6	6	20.1	-20.0	1	2	7	43.5
12	4	6*	9.6	-10.2	5	6	6	35.9	36.8	2	2	7	48.1
1	5	6	84.0	86.4	6	6	6*	7.3	-1.1	3	2	7*	9.2
2	5	6	16.4	16.3	7	6	6	63.1	63.7	4	2	7	27.9
3	5	6*	2.7	.7	8	6	6*	13.3	14.0	5	2	7*	8.6
4	5	6	12.0	-11.9	1	7	6	16.9	-16.2	6	2	7*	3.5
5	5	6	36.9	-38.9	2	7	6*	5.3	3.0	1	3	7*	11.8
6	5	6*	7.8	5.9	3	7	6	37.1	-38.4	2	3	7	34.5
7	5	6	54.6	56.8	1	1	7	43.3	-43.8	3	3	7	75.7
8	5	6	23.2	-20.7	2	1	7	15.5	15.1	4	3	7*	4.5
9	5	6*	12.6	-4.7	3	1	7	15.9	18.2				

FATTORE SCALA PER SOMMA 3.257921
DISTRIBUZIONE DI R E NUMERO RIFLESSI

PER GRUPPI DI PARITA'

DDP	DPD	DPP	PDD	PDP	PPD	PPP	DDD	ALL
.0232	.0284	.0182	.0231	.0413	.0245	.0381	.0251	.0281
88	97	107	112	103	98	149	116	870

PER INTERVALLI SENTETA/LAMBDA PASSO .05000 (PARTENDO DA .00000) SECONDA RIG

.0000	.0503	.0523	.0255	.0274	.0393	.0243	.0293	.0279	.0223	.0228	.029
.000	.271	.782	.497	.377	.327	.240	.300	.258	.208	.186	.22
0	1	7	15	29	32	49	63	67	89	114	12

PER INTERVALLI FO PASSO 10 SECONDA RIGA= SOM(DELTA/SIGMA)/N

.0982	.0633	.0385	.0336	.0329	.0180	.0154	.0136	.0206	.0126	.0128	.020
.267	.258	.238	.232	.219	.178	.249	.183	.224	.186	.170	.23
39	211	188	125	85	58	41	34	17	13	11	1

PER VALORI DEL RAPPORTO I/SIGMAI

.0281	.0281	.0281	.0261	.0244	.0231	.0225	.0221	.0216	.0218
870	870	870	786	714	646	586	498	434	384

PER ZONE

OKL	.0238	HOL	.0343	HKO	.0264
	29		60		100

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