

AM-87-357

Crystal-structure refinement of high snaidine from the upper mantle

Scambos, et al.

To be deposited: Table 3

American Mineralogist, 72, 9-10, 973-978

TABLE 3. Structure factors for High Sanidine from a Sanidine-Coesite  
Grosopydite Nodule from the Roberts Victor Kimberlite

(Scambos, T.A., Smyth, J.R., and McCormick, T. (1987) Crystal structure  
refinement of a high sanidine from the upper mantle. American Mineralogist,  
xx, xxx .)

h	k	l	fobs	fcad	h	k	l	fobs	fcad	h	k	l	fobs	fcad
2	0	0	35.1	38.6	4	0	0	111.9	124.7	6	0	0	84.2	89.3
8	0	0	1.1	2.2	10	0	0	47.4	43.2	12	0	0	11.8	9.7
14	0	0	19.0	16.9	1	1	0	17.3	15.2	3	1	0	55.7	59.0
5	1	0	19.7	21.8	7	1	0	65.5	69.5	9	1	0	27.6	28.0
11	1	0	32.4	29.4	13	1	0	5.2	3.6	0	2	0	37.3	23.0
2	2	0	140.8	146.7	4	2	0	41.9	44.5	6	2	0	40.2	43.3
8	2	0	20.3	21.3	10	2	0	1.5	3.1	12	2	0	19.2	17.1
1	3	0	124.7	110.0	3	3	0	30.7	29.4	5	3	0	66.6	69.4
7	3	0	49.9	53.2	9	3	0	17.4	17.1	11	3	0	24.9	22.1
13	3	0	15.5	13.9	0	4	0	134.5	108.5	2	4	0	43.2	38.6
4	4	0	20.1	20.8	6	4	0	31.2	32.6	8	4	0	20.8	21.2
10	4	0	16.2	14.7	12	4	0	3.5	.9	1	5	0	4.0	3.8
3	5	0	57.8	57.2	5	5	0	40.1	42.5	7	5	0	11.9	11.9
9	5	0	34.2	34.5	11	5	0	16.8	15.1	13	5	0	10.2	8.9
0	6	0	194.5	168.6	2	6	0	44.4	41.7	4	6	0	49.8	51.9
6	6	0	47.4	49.6	8	6	0	18.4	19.5	10	6	0	13.5	12.6
12	6	0	2.3	4.2	1	7	0	12.0	8.9	3	7	0	13.1	13.3
5	7	0	23.5	24.9	7	7	0	26.0	27.2	9	7	0	37.0	36.7
11	7	0	13.9	12.0	13	7	0	4.7	4.8	0	8	0	70.2	63.6
2	8	0	183.2	174.6	4	8	0	30.3	30.9	6	8	0	24.2	24.6
8	8	0	41.0	42.5	10	8	0	9.3	8.1	12	8	0	23.6	22.1
1	9	0	56.4	51.1	3	9	0	30.8	30.0	5	9	0	70.3	70.7
7	9	0	26.0	25.0	9	9	0	38.2	38.5	11	9	0	8.4	7.4
0	10	0	83.0	78.8	2	10	0	3.3	2.8	4	10	0	48.4	47.8
6	10	0	5.9	6.0	8	10	0	11.2	10.5	10	10	0	14.7	15.3
12	10	0	13.7	11.5	1	11	0	8.5	6.3	3	11	0	56.7	55.4
5	11	0	12.0	11.7	7	11	0	18.6	18.8	9	11	0	19.7	20.1
11	11	0	11.8	12.0	0	12	0	21.8	21.8	2	12	0	30.4	28.3
4	12	0	7.6	8.0	6	12	0	2.9	1.0	8	12	0	15.9	15.6
10	12	0	9.0	7.6	12	12	0	5.2	4.2	1	13	0	13.4	12.7
3	13	0	28.9	27.7	5	13	0	3.2	2.7	7	13	0	33.3	33.2
9	13	0	7.5	6.2	11	13	0	10.4	11.2	0	14	0	24.6	22.6
2	14	0	30.6	29.3	4	14	0	35.3	34.9	6	14	0	9.5	8.7
8	14	0	9.2	9.1	10	14	0	11.4	10.9	1	15	0	3.0	1.0
3	15	0	10.0	10.1	5	15	0	2.8	1.5	7	15	0	14.3	13.5
9	15	0	5.5	4.5	0	16	0	79.9	83.3	2	16	0	2.9	.9
4	16	0	39.1	40.0	6	16	0	20.4	21.1	8	16	0	6.4	4.3
10	16	0	15.9	16.7	1	17	0	4.1	4.1	3	17	0	34.5	37.2
5	17	0	19.5	20.4	7	17	0	24.8	25.9	9	17	0	11.3	10.5
0	18	0	6.1	5.2	2	18	0	41.2	42.8	4	18	0	6.0	5.8
6	18	0	14.1	15.2	8	18	0	8.1	9.2	1	19	0	19.1	20.3
3	19	0	3.0	2.8	5	19	0	18.8	19.9	7	19	0	9.9	9.3
0	20	0	7.5	7.3	2	20	0	8.6	8.5	4	20	0	6.8	7.4
6	20	0	2.7	.5	1	21	0	10.7	11.6	3	21	0	2.9	3.7
5	21	0	21.4	22.7	0	22	0	9.0	9.5	2	22	0	21.6	23.8
4	22	0	5.4	4.8	1	23	0	3.6	1.3	3	23	0	3.6	.1
-14	0	1	1.9	5.9	-12	0	1	20.9	19.7	-10	0	1	35.8	32.6
-8	0	1	34.7	37.0	-6	0	1	53.4	57.7	-4	0	1	64.0	65.6
-2	0	1	114.5	114.1	0	0	1	14.4	8.8	2	0	1	15.1	15.1
4	0	1	2.8	3.4	6	0	1	39.0	43.5	8	0	1	6.4	6.2

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
10	0	1	27.8	24.9	12	0	1	1.7	5.8	-13	1	1	10.0	8.4
-11	1	1	8.6	2.1	-9	1	1	10.4	10.7	-7	1	1	4.4	3.9
-5	1	1	16.5	18.1	-3	1	1	21.2	20.7	-1	1	1	25.3	19.8
1	1	1	49.5	45.3	3	1	1	38.1	39.8	5	1	1	10.3	10.3
7	1	1	7.7	6.9	9	1	1	4.6	4.0	11	1	1	4.6	2.1
13	1	1	7.1	4.9	-14	2	1	4.1	3.5	-12	2	1	17.2	15.9
-10	2	1	18.9	19.0	-8	2	1	10.9	10.8	-6	2	1	62.8	66.8
-4	2	1	15.5	13.7	-2	2	1	47.8	46.7	0	2	1	14.5	14.5
2	2	1	33.2	34.7	4	2	1	22.2	23.6	6	2	1	31.5	32.6
8	2	1	7.0	6.2	10	2	1	20.4	19.6	12	2	1	5.0	1.5
-13	3	1	23.1	21.6	-11	3	1	11.5	11.0	-9	3	1	55.7	56.2
-7	3	1	27.5	27.3	-5	3	1	24.7	26.9	-3	3	1	69.5	68.9
-1	3	1	58.4	51.0	1	3	1	129.3	122.3	3	3	1	32.1	36.2
5	3	1	58.5	61.6	7	3	1	9.5	11.3	9	3	1	4.0	1.1
11	3	1	1.7	.7	13	3	1	12.3	11.1	-14	4	1	10.6	10.3
-12	4	1	16.1	13.4	-10	4	1	6.8	4.8	-8	4	1	24.9	25.8
-6	4	1	72.5	76.5	-4	4	1	72.8	76.2	-2	4	1	122.8	115.1
0	4	1	97.3	83.0	2	4	1	79.2	77.6	4	4	1	29.5	30.8
6	4	1	55.8	59.2	8	4	1	59.3	60.2	10	4	1	31.9	30.7
12	4	1	12.7	11.7	-13	5	1	7.8	6.8	-11	5	1	43.1	40.3
-9	5	1	35.3	35.1	-7	5	1	42.1	44.0	-5	5	1	4.5	4.7
-3	5	1	49.3	46.4	-1	5	1	67.2	58.7	1	5	1	44.3	43.0
3	5	1	87.4	87.7	5	5	1	48.7	51.7	7	5	1	29.4	30.6
9	5	1	5.7	5.2	11	5	1	13.7	12.3	13	5	1	6.1	5.5
-14	6	1	12.4	11.8	-12	6	1	6.7	6.4	-10	6	1	23.3	23.0
-8	6	1	38.1	39.0	-6	6	1	7.2	5.5	-4	6	1	100.0	99.5
-2	6	1	20.2	20.1	0	6	1	64.4	56.6	2	6	1	5.4	5.1
4	6	1	25.0	25.6	6	6	1	16.9	16.3	8	6	1	30.6	31.0
10	6	1	11.4	2.0	12	6	1	12.0	11.7	-13	7	1	3.9	1.0
-11	7	1	5.1	1.7	-9	7	1	4.4	1.2	-7	7	1	5.5	4.1
-5	7	1	18.6	18.9	-3	7	1	19.7	16.9	-1	7	1	15.4	12.9
1	7	1	25.6	23.5	3	7	1	22.5	22.0	5	7	1	23.4	23.6
7	7	1	9.6	9.6	9	7	1	4.9	4.7	11	7	1	1.7	1.8
-12	8	1	11.9	11.3	-10	8	1	19.7	19.8	-8	8	1	26.1	26.4
-6	8	1	26.6	26.8	-4	8	1	58.0	57.2	-2	8	1	30.3	28.0
0	8	1	41.9	37.1	2	8	1	10.0	9.4	4	8	1	43.7	44.3
6	8	1	3.1	1.3	8	8	1	32.4	32.9	10	8	1	3.2	4.5
12	8	1	9.6	9.9	-13	9	1	2.5	3.2	-11	9	1	19.6	18.3
-9	9	1	5.7	.2	-7	9	1	10.3	10.7	-5	9	1	16.0	13.9
-3	9	1	2.3	1.3	-1	9	1	27.6	25.6	1	9	1	3.9	4.6
3	9	1	12.1	11.8	5	9	1	5.4	5.6	7	9	1	8.8	8.8
9	9	1	8.6	7.2	11	9	1	7.1	5.9	-12	10	1	6.2	4.9
-10	10	1	7.0	7.8	-8	10	1	20.9	20.7	-6	10	1	8.3	8.0
-4	10	1	1.9	2.2	-2	10	1	26.2	25.7	0	10	1	5.0	5.0
2	10	1	38.5	37.1	4	10	1	2.6	.4	6	10	1	14.1	13.7
8	10	1	19.1	19.3	10	10	1	4.5	4.5	12	10	1	6.9	5.1
-11	11	1	20.2	19.8	-9	11	1	13.2	13.2	-7	11	1	23.5	23.5
-5	11	1	3.7	2.9	-3	11	1	18.1	17.2	-1	11	1	26.7	24.7
1	11	1	22.2	21.2	3	11	1	28.2	26.6	5	11	1	20.6	20.6
7	11	1	6.6	7.1	9	11	1	6.5	6.0	11	11	1	6.7	6.3

h	k	l	fobs	fcal	h	k	l	fobs	fcal	h	k	l	fobs	fcal
-12	12	1	7.5	5.9	-10	12	1	8.3	6.4	-8	12	1	16.1	15.4
-6	12	1	36.3	35.6	-4	12	1	60.5	58.9	-2	12	1	59.0	56.8
0	12	1	49.8	47.2	2	12	1	14.7	13.6	4	12	1	21.4	21.3
6	12	1	37.0	38.7	8	12	1	34.4	33.5	10	12	1	14.3	14.3
-11	13	1	20.6	19.6	-9	13	1	32.9	32.8	-7	13	1	18.4	18.7
-5	13	1	5.7	5.7	-3	13	1	20.9	20.1	-1	13	1	26.1	24.9
1	13	1	34.4	32.4	3	13	1	41.7	41.2	5	13	1	44.3	44.4
7	13	1	21.7	22.5	9	13	1	5.9	.4	11	13	1	5.5	4.8
-10	14	1	8.1	8.3	-8	14	1	3.5	1.9	-6	14	1	40.1	40.5
-4	14	1	24.8	25.4	-2	14	1	37.9	37.6	0	14	1	21.2	21.2
2	14	1	3.9	2.4	4	14	1	2.1	.4	6	14	1	30.7	31.6
8	14	1	6.0	5.4	10	14	1	18.2	17.5	-11	15	1	1.8	1.4
-9	15	1	5.4	6.9	-7	15	1	5.4	5.1	-5	15	1	4.5	4.0
-3	15	1	2.5	1.1	-1	15	1	3.7	2.5	1	15	1	3.1	2.1
3	15	1	19.6	20.9	5	15	1	7.0	7.3	7	15	1	7.1	6.9
9	15	1	7.6	6.9	-10	16	1	8.8	8.6	-8	16	1	18.0	18.2
-6	16	1	18.3	18.6	-4	16	1	5.4	5.5	-2	16	1	36.9	38.7
0	16	1	13.4	14.8	2	16	1	12.3	12.8	4	16	1	7.6	7.1
6	16	1	24.3	24.3	8	16	1	3.6	3.8	-9	17	1	11.6	12.2
-7	17	1	3.6	.3	-5	17	1	3.5	1.7	-3	17	1	5.9	6.3
-1	17	1	12.2	13.2	1	17	1	12.1	11.3	3	17	1	15.1	15.8
5	17	1	4.5	5.3	7	17	1	12.4	13.3	9	17	1	1.7	1.1
-8	18	1	9.1	10.6	-6	18	1	6.2	6.7	-4	18	1	20.7	22.1
-2	18	1	7.0	6.9	0	18	1	9.6	10.1	2	18	1	6.3	6.3
4	18	1	10.7	10.7	6	18	1	4.4	.4	8	18	1	6.4	5.8
-7	19	1	4.8	3.2	-5	19	1	3.6	3.1	-3	19	1	8.6	9.2
-1	19	1	4.1	4.1	1	19	1	5.1	2.0	3	19	1	2.9	.9
5	19	1	6.2	6.8	7	19	1	4.5	5.0	-6	20	1	13.2	13.4
-4	20	1	20.7	23.1	-2	20	1	18.8	20.5	0	20	1	15.9	18.2
2	20	1	3.6	1.5	4	20	1	7.0	7.9	6	20	1	17.5	19.1
-5	21	1	3.1	3.7	-3	21	1	6.3	6.7	-1	21	1	14.6	15.8
1	21	1	8.6	8.9	3	21	1	23.2	26.0	5	21	1	13.3	14.1
-4	22	1	20.2	22.9	-2	22	1	6.7	7.0	0	22	1	10.4	11.5
2	22	1	5.7	5.5	4	22	1	5.9	6.2	-3	23	1	2.2	1.0
-1	23	1	4.2	2.9	1	23	1	8.3	10.9	-14	0	2	1.8	2.1
-12	0	2	7.4	7.5	-10	0	2	32.5	33.5	-8	0	2	32.7	32.8
-6	0	2	131.6	142.9	-4	0	2	76.8	77.7	-2	0	2	157.5	155.6
0	0	2	185.4	186.0	2	0	2	53.5	54.3	4	0	2	133.9	147.1
6	0	2	17.1	17.2	8	0	2	52.9	50.4	10	0	2	1.6	1.8
12	0	2	5.2	4.6	-13	1	2	29.7	26.1	-11	1	2	14.4	14.0
-9	1	2	9.5	9.8	-7	1	2	27.0	29.7	-5	1	2	44.3	47.0
-3	1	2	81.2	82.1	-1	1	2	98.8	96.6	1	1	2	54.7	56.5
3	1	2	24.0	25.9	5	1	2	24.0	26.2	7	1	2	15.1	15.6
9	1	2	12.0	11.4	11	1	2	31.3	27.4	-14	2	2	3.3	1.9
-12	2	2	13.8	12.5	-10	2	2	8.4	7.2	-8	2	2	32.5	34.6
-6	2	2	3.7	2.8	-4	2	2	90.9	94.4	-2	2	2	49.6	46.2
0	2	2	58.9	55.2	2	2	2	87.5	92.8	4	2	2	16.1	18.2
6	2	2	46.8	48.7	8	2	2	3.8	2.6	10	2	2	19.3	18.7
12	2	2	4.7	4.1	-13	3	2	15.1	13.4	-11	3	2	11.1	10.0
-9	3	2	6.8	8.5	-7	3	2	48.8	52.0	-5	3	2	4.5	.6

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-3	3	2	40.0	37.4	-1	3	2	88.1	82.9	1	3	2	16.6	15.8
3	3	2	7.2	8.3	5	3	2	35.5	37.5	7	3	2	30.6	32.3
9	3	2	15.1	14.4	11	3	2	18.8	16.7	-14	4	2	4.3	1.9
-12	4	2	2.2	2.2	-10	4	2	4.5	.4	-8	4	2	22.1	22.5
-6	4	2	26.0	28.4	-4	4	2	47.6	47.6	-2	4	2	3.8	1.7
0	4	2	3.8	.9	2	4	2	60.1	60.5	4	4	2	39.9	42.6
6	4	2	23.3	24.5	8	4	2	4.1	2.3	10	4	2	7.7	6.9
12	4	2	5.6	5.3	-13	5	2	3.0	2.5	-11	5	2	27.0	24.5
-9	5	2	20.5	21.0	-7	5	2	6.3	6.2	-5	5	2	62.6	64.5
-3	5	2	17.5	17.9	-1	5	2	2.5	.5	1	5	2	38.0	37.2
3	5	2	37.2	38.6	5	5	2	35.6	36.4	7	5	2	18.7	19.3
9	5	2	28.6	28.6	11	5	2	13.5	11.7	-14	6	2	1.9	.2
-12	6	2	1.7	1.6	-10	6	2	6.7	6.7	-8	6	2	6.1	6.3
-6	6	2	49.4	51.1	-4	6	2	3.0	.6	-2	6	2	64.2	59.7
0	6	2	98.1	89.9	2	6	2	17.6	19.2	4	6	2	37.3	38.9
6	6	2	24.4	25.7	8	6	2	19.7	19.6	10	6	2	5.7	2.2
12	6	2	6.9	7.6	-13	7	2	12.4	11.6	-11	7	2	21.0	19.7
-9	7	2	15.5	14.1	-7	7	2	3.4	2.6	-5	7	2	46.6	46.7
-3	7	2	23.9	22.1	-1	7	2	65.9	60.8	1	7	2	16.4	15.7
3	7	2	42.1	41.9	5	7	2	4.0	1.4	7	7	2	12.9	12.2
9	7	2	23.7	22.8	11	7	2	11.1	8.8	-14	8	2	2.8	1.4
-12	8	2	14.8	14.8	-10	8	2	10.1	8.6	-8	8	2	58.6	60.1
-6	8	2	23.5	23.3	-4	8	2	142.2	139.6	-2	8	2	43.6	41.0
0	8	2	50.3	46.2	2	8	2	147.8	145.7	4	8	2	12.8	12.8
6	8	2	79.1	79.8	8	8	2	5.0	3.4	10	8	2	20.6	20.5
-13	9	2	18.0	16.5	-11	9	2	23.9	23.1	-9	9	2	6.5	5.1
-7	9	2	4.3	.3	-5	9	2	56.8	56.7	-3	9	2	76.1	71.2
-1	9	2	104.4	97.2	1	9	2	33.4	31.3	3	9	2	27.5	27.1
5	9	2	12.0	12.2	7	9	2	3.6	4.0	9	9	2	22.3	22.0
11	9	2	10.7	11.6	-12	10	2	10.2	8.9	-10	10	2	26.4	26.8
-8	10	2	3.6	3.1	-6	10	2	46.8	47.5	-4	10	2	18.3	17.7
-2	10	2	67.7	64.7	0	10	2	61.9	58.6	2	10	2	25.4	23.9
4	10	2	58.7	59.9	6	10	2	3.4	4.3	8	10	2	34.3	33.4
10	10	2	2.9	.8	-13	11	2	7.3	5.7	-11	11	2	15.1	14.0
-9	11	2	22.6	23.6	-7	11	2	9.4	8.9	-5	11	2	37.0	37.0
-3	11	2	49.2	47.5	-1	11	2	4.9	3.5	1	11	2	50.0	47.9
3	11	2	34.4	34.5	5	11	2	27.6	26.9	7	11	2	21.9	22.5
9	11	2	19.7	18.6	11	11	2	15.5	14.4	-12	12	2	2.5	.9
-10	12	2	2.4	3.4	-8	12	2	11.6	10.8	-6	12	2	11.2	10.6
-4	12	2	14.4	13.8	-2	12	2	8.9	8.6	0	12	2	5.4	4.8
2	12	2	23.2	21.9	4	12	2	26.1	26.1	6	12	2	23.6	23.5
8	12	2	3.3	1.0	10	12	2	1.9	3.0	-11	13	2	1.7	.6
-9	13	2	24.2	22.6	-7	13	2	27.7	28.6	-5	13	2	5.1	5.1
-3	13	2	52.6	51.2	-1	13	2	6.3	4.6	1	13	2	35.1	33.4
3	13	2	22.2	21.9	5	13	2	15.6	16.4	7	13	2	29.0	27.6
9	13	2	9.0	9.5	-12	14	2	4.7	.1	-10	14	2	13.5	14.4
-8	14	2	7.4	7.0	-6	14	2	19.4	19.3	-4	14	2	40.0	39.8
-2	14	2	34.9	34.2	0	14	2	33.4	32.0	2	14	2	36.3	36.6
4	14	2	38.1	38.3	6	14	2	11.2	10.5	8	14	2	15.9	15.8
10	14	2	10.8	10.7	-11	15	2	4.0	.8	-9	15	2	2.9	4.1

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-7	15	2	7.2	7.5	-5	15	2	8.4	8.7	-3	15	2	16.5	16.5
-1	15	2	16.0	16.0	1	15	2	5.2	5.1	3	15	2	2.6	.1
5	15	2	6.1	5.6	7	15	2	2.8	.5	9	15	2	3.5	2.1
-10	16	2	17.2	16.9	-8	16	2	3.0	.8	-6	16	2	42.2	43.9
-4	16	2	2.9	2.2	-2	16	2	50.6	53.1	0	16	2	45.4	46.7
2	16	2	8.4	8.4	4	16	2	54.6	57.3	6	16	2	2.9	4.0
8	16	2	26.5	26.9	-9	17	2	12.4	13.6	-7	17	2	11.5	12.2
-5	17	2	10.7	10.6	-3	17	2	51.6	56.5	-1	17	2	24.6	26.1
1	17	2	37.2	39.2	3	17	2	7.6	9.4	5	17	2	10.5	10.7
7	17	2	12.4	13.1	-8	18	2	17.5	18.8	-6	18	2	7.1	8.0
-4	18	2	26.4	27.5	-2	18	2	11.6	10.8	0	18	2	6.1	6.1
2	18	2	30.4	31.4	4	18	2	5.1	5.7	6	18	2	20.0	21.4
-9	19	2	8.1	8.5	-7	19	2	13.6	15.1	-5	19	2	9.2	9.4
-3	19	2	6.9	7.1	-1	19	2	25.1	27.5	1	19	2	5.3	4.0
3	19	2	17.6	18.6	5	19	2	11.8	12.4	-8	20	2	4.0	1.8
-6	20	2	7.8	7.2	-4	20	2	2.3	1.4	-2	20	2	9.2	10.5
0	20	2	3.6	1.3	2	20	2	1.7	.0	4	20	2	17.7	19.5
6	20	2	6.3	7.3	-7	21	2	5.3	.4	-5	21	2	17.6	18.8
-3	21	2	8.4	10.5	-1	21	2	14.8	15.7	1	21	2	5.1	4.2
3	21	2	9.8	10.2	-4	22	2	12.1	12.6	-2	22	2	13.5	14.9
0	22	2	11.4	12.2	2	22	2	18.8	20.1	-3	23	2	3.8	5.6
-1	23	2	4.1	2.3	1	23	2	1.7	1.3	-14	0	3	3.6	3.5
-12	0	3	27.0	25.6	-10	0	3	37.7	36.9	-8	0	3	32.8	35.2
-6	0	3	35.5	39.3	-4	0	3	88.5	88.8	-2	0	3	11.1	11.4
0	0	3	25.8	24.1	2	0	3	41.3	45.3	4	0	3	41.7	44.7
6	0	3	3.1	4.0	8	0	3	4.4	2.0	10	0	3	24.0	23.6
12	0	3	8.0	6.4	-15	1	3	6.9	6.3	-13	1	3	3.9	2.8
-11	1	3	5.2	5.2	-9	1	3	12.5	13.0	-7	1	3	18.5	19.1
-5	1	3	38.0	40.0	-3	1	3	14.5	12.7	-1	1	3	56.9	56.1
1	1	3	69.8	70.7	3	1	3	15.6	16.8	5	1	3	2.6	.8
7	1	3	7.3	6.5	9	1	3	3.6	1.3	11	1	3	1.9	3.7
-14	2	3	5.4	4.8	-12	2	3	26.8	25.2	-10	2	3	7.9	8.4
-8	2	3	39.8	41.6	-6	2	3	39.1	40.7	-4	2	3	41.7	41.1
-2	2	3	22.2	22.7	0	2	3	4.0	2.8	2	2	3	40.3	42.3
4	2	3	34.2	36.0	6	2	3	4.0	4.9	8	2	3	4.9	4.9
10	2	3	5.4	5.8	12	2	3	3.0	1.1	-15	3	3	22.0	19.1
-13	3	3	4.9	1.3	-11	3	3	18.1	17.0	-9	3	3	43.1	45.2
-7	3	3	57.8	59.7	-5	3	3	96.6	100.9	-3	3	3	50.8	49.4
-1	3	3	17.7	19.0	1	3	3	39.7	38.0	3	3	3	8.2	8.6
5	3	3	37.3	37.6	7	3	3	13.9	13.7	9	3	3	14.8	15.2
11	3	3	14.1	12.6	-14	4	3	19.0	17.5	-12	4	3	29.2	26.5
-10	4	3	33.5	33.1	-8	4	3	20.0	20.7	-6	4	3	20.0	19.1
-4	4	3	3.6	1.9	-2	4	3	7.0	4.6	0	4	3	94.4	92.6
2	4	3	109.4	113.4	4	4	3	85.3	90.2	6	4	3	20.2	21.1
8	4	3	9.3	8.4	10	4	3	21.5	20.3	-13	5	3	24.6	22.1
-11	5	3	18.8	18.2	-9	5	3	17.3	17.1	-7	5	3	82.9	85.9
-5	5	3	56.9	57.0	-3	5	3	79.2	77.8	-1	5	3	5.3	2.0
1	5	3	38.4	37.0	3	5	3	48.9	49.1	5	5	3	17.8	18.3
7	5	3	42.2	40.2	9	5	3	16.3	16.1	11	5	3	13.1	11.8
-14	6	3	14.5	13.8	-12	6	3	3.8	.9	-10	6	3	49.1	47.4

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-8	6	3	2.0	1.8	-6	6	3	34.6	36.1	-4	6	3	57.2	55.2
-2	6	3	18.4	16.2	0	6	3	52.0	50.7	2	6	3	38.6	37.9
4	6	3	17.2	17.4	6	6	3	14.0	14.2	8	6	3	7.5	6.3
10	6	3	5.9	3.9	-13	7	3	6.5	6.8	-11	7	3	6.4	3.1
-9	7	3	7.0	6.4	-7	7	3	22.5	22.7	-5	7	3	12.9	13.2
-3	7	3	21.5	21.1	-1	7	3	67.7	62.8	1	7	3	29.9	28.9
3	7	3	32.9	32.4	5	7	3	23.5	24.1	7	7	3	5.5	4.4
9	7	3	7.8	7.4	11	7	3	3.2	3.1	-14	8	3	21.1	18.9
-12	8	3	15.1	15.5	-10	8	3	29.4	28.9	-8	8	3	38.1	38.5
-6	8	3	59.3	59.4	-4	8	3	41.4	40.9	-2	8	3	30.7	29.1
0	8	3	63.6	61.4	2	8	3	21.2	21.9	4	8	3	20.0	20.2
6	8	3	6.9	6.8	8	8	3	13.1	12.7	10	8	3	9.8	8.3
-13	9	3	4.7	4.9	-11	9	3	14.3	13.5	-9	9	3	3.9	2.7
-7	9	3	25.0	25.9	-5	9	3	13.5	13.5	-3	9	3	26.0	25.1
-1	9	3	13.2	12.3	1	9	3	12.2	12.1	3	9	3	18.4	18.0
5	9	3	6.8	6.2	7	9	3	9.3	8.4	9	9	3	9.3	9.0
-12	10	3	10.9	10.9	-10	10	3	17.4	18.5	-8	10	3	31.3	30.6
-6	10	3	27.8	27.7	-4	10	3	20.9	20.4	-2	10	3	57.8	55.6
0	10	3	8.0	7.4	2	10	3	3.0	2.5	4	10	3	21.0	20.6
6	10	3	6.2	6.2	8	10	3	2.2	2.1	10	10	3	5.2	.3
-13	11	3	19.6	18.7	-11	11	3	10.9	11.6	-9	11	3	1.5	1.7
-7	11	3	53.4	53.3	-5	11	3	13.6	13.4	-3	11	3	47.1	44.9
-1	11	3	22.5	21.6	1	11	3	21.7	20.5	3	11	3	30.1	29.7
5	11	3	5.2	3.0	7	11	3	14.9	15.6	9	11	3	3.0	2.5
-12	12	3	14.9	14.6	-10	12	3	26.3	24.9	-8	12	3	17.5	17.9
-6	12	3	10.9	11.3	-4	12	3	9.6	8.3	-2	12	3	22.9	21.4
0	12	3	51.7	49.8	2	12	3	56.8	56.1	4	12	3	40.8	40.9
6	12	3	11.3	11.4	8	12	3	8.4	7.9	10	12	3	7.1	9.1
-11	13	3	5.1	4.1	-9	13	3	35.5	35.4	-7	13	3	24.4	24.7
-5	13	3	53.9	53.6	-3	13	3	14.0	13.8	-1	13	3	47.8	46.1
1	13	3	10.5	10.0	3	13	3	6.4	5.6	5	13	3	40.3	41.3
7	13	3	16.4	16.6	9	13	3	20.6	19.8	-12	14	3	25.2	24.3
-10	14	3	1.7	2.8	-8	14	3	38.8	39.5	-6	14	3	23.3	23.6
-4	14	3	11.1	10.8	-2	14	3	48.3	48.1	0	14	3	12.7	12.4
2	14	3	36.0	36.4	4	14	3	13.7	13.2	6	14	3	4.7	5.0
8	14	3	3.4	.7	-11	15	3	2.6	.1	-9	15	3	5.6	3.0
-7	15	3	1.6	.2	-5	15	3	1.2	1.1	-3	15	3	3.7	3.9
-1	15	3	12.1	12.7	1	15	3	19.3	19.2	3	15	3	3.2	3.3
5	15	3	4.0	4.4	7	15	3	10.9	11.8	-10	16	3	14.2	14.7
-8	16	3	28.2	28.4	-6	16	3	16.7	17.3	-4	16	3	23.0	24.3
-2	16	3	35.0	36.3	0	16	3	7.0	6.5	2	16	3	19.5	20.0
4	16	3	4.6	3.9	6	16	3	3.7	.9	8	16	3	2.3	.5
-9	17	3	17.8	17.8	-7	17	3	1.7	1.5	-5	17	3	27.3	27.7
-3	17	3	3.6	2.5	-1	17	3	13.5	14.6	1	17	3	14.4	14.5
3	17	3	3.4	2.6	5	17	3	12.0	12.1	7	17	3	7.9	7.6
-10	18	3	10.0	11.1	-8	18	3	4.7	4.3	-6	18	3	12.7	13.1
-4	18	3	15.3	16.0	-2	18	3	8.5	9.9	0	18	3	16.5	16.8
2	18	3	5.5	4.7	4	18	3	3.3	3.2	6	18	3	4.2	3.5
-9	19	3	12.2	12.8	-7	19	3	3.4	1.7	-5	19	3	12.3	12.8
-3	19	3	10.7	11.0	-1	19	3	10.7	11.0	1	19	3	6.8	7.2

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
3	19	3	8.6	8.9	5	19	3	7.5	8.1	-8	20	3	11.9	13.1
-6	20	3	4.5	.6	-4	20	3	3.1	1.8	-2	20	3	13.2	14.6
0	20	3	11.8	12.5	2	20	3	23.2	24.8	4	20	3	10.9	11.5
-7	21	3	18.9	20.5	-5	21	3	14.7	15.7	-3	21	3	14.4	16.3
-1	21	3	5.9	6.2	1	21	3	9.1	8.8	3	21	3	10.8	12.3
-4	22	3	14.9	16.4	-2	22	3	4.6	2.3	0	22	3	16.9	19.3
2	22	3	11.8	13.4	-14	0	4	23.0	19.4	-12	0	4	22.9	20.2
-10	0	4	7.1	5.1	-8	0	4	15.7	15.9	-6	0	4	90.4	95.1
-4	0	4	27.3	28.5	-2	0	4	187.5	195.5	0	0	4	23.2	22.0
2	0	4	91.3	98.4	4	0	4	41.3	42.4	6	0	4	17.1	18.4
8	0	4	49.2	45.1	10	0	4	13.3	12.1	-15	1	4	3.9	1.7
-13	1	4	20.5	17.8	-11	1	4	23.7	21.9	-9	1	4	48.2	49.4
-7	1	4	41.5	41.6	-5	1	4	62.6	63.4	-3	1	4	9.8	9.6
-1	1	4	28.0	27.3	1	1	4	70.8	73.3	3	1	4	28.3	28.9
5	1	4	47.1	48.4	7	1	4	11.2	10.7	9	1	4	17.7	16.8
11	1	4	9.9	6.7	-14	2	4	8.3	5.4	-12	2	4	5.2	5.4
-10	2	4	9.0	9.1	-8	2	4	8.9	9.6	-6	2	4	16.6	17.5
-4	2	4	81.1	80.9	-2	2	4	5.6	5.3	0	2	4	84.9	85.7
2	2	4	25.8	27.5	4	2	4	37.2	38.7	6	2	4	20.3	20.6
8	2	4	3.7	4.1	10	2	4	17.5	16.2	-15	3	4	4.3	1.9
-13	3	4	13.1	11.0	-11	3	4	5.2	4.2	-9	3	4	20.6	22.0
-7	3	4	31.5	32.1	-5	3	4	9.6	9.8	-3	3	4	34.3	34.9
-1	3	4	32.0	32.5	1	3	4	45.7	47.7	3	3	4	15.7	15.7
5	3	4	33.7	34.9	7	3	4	33.7	32.5	9	3	4	11.6	10.6
11	3	4	17.9	15.6	-14	4	4	4.8	3.4	-12	4	4	9.5	7.2
-10	4	4	4.4	2.8	-8	4	4	9.3	9.4	-6	4	4	29.6	31.3
-4	4	4	6.3	7.5	-2	4	4	26.1	27.1	0	4	4	9.6	9.7
2	4	4	17.6	19.6	4	4	4	16.8	16.1	6	4	4	13.9	13.6
8	4	4	18.2	17.4	10	4	4	5.7	5.9	-15	5	4	3.3	2.2
-13	5	4	1.5	1.3	-11	5	4	24.6	22.6	-9	5	4	8.0	7.5
-7	5	4	24.5	25.2	-5	5	4	25.4	25.7	-3	5	4	10.0	9.1
-1	5	4	37.5	37.5	1	5	4	4.9	4.5	3	5	4	41.8	43.0
5	5	4	18.5	18.1	7	5	4	15.3	15.3	9	5	4	21.4	20.2
-14	6	4	6.4	4.7	-12	6	4	8.2	6.6	-10	6	4	4.2	3.7
-8	6	4	20.0	20.8	-6	6	4	36.3	36.2	-4	6	4	13.2	13.2
-2	6	4	73.8	71.9	0	6	4	53.7	53.5	2	6	4	38.5	39.1
4	6	4	23.1	23.9	6	6	4	31.0	31.5	8	6	4	11.9	11.6
10	6	4	4.8	4.9	-13	7	4	11.4	9.3	-11	7	4	20.5	19.4
-9	7	4	21.2	22.2	-7	7	4	31.1	30.9	-5	7	4	36.3	35.7
-3	7	4	1.8	2.1	-1	7	4	15.7	14.8	1	7	4	37.8	37.4
3	7	4	30.1	30.1	5	7	4	19.7	19.8	7	7	4	19.7	18.8
9	7	4	4.5	1.6	-14	8	4	10.3	9.8	-12	8	4	14.5	13.3
-10	8	4	10.0	10.3	-8	8	4	14.3	14.9	-6	8	4	5.3	5.5
-4	8	4	100.9	99.1	-2	8	4	25.5	24.9	0	8	4	102.9	102.7
2	8	4	13.7	14.3	4	8	4	37.0	37.0	6	8	4	35.7	34.2
8	8	4	9.7	9.0	10	8	4	28.8	27.8	-13	9	4	11.0	9.2
-11	9	4	30.1	28.6	-9	9	4	38.5	37.2	-7	9	4	59.3	60.6
-5	9	4	23.3	23.0	-3	9	4	4.4	3.8	-1	9	4	62.8	61.9
1	9	4	30.7	30.3	3	9	4	47.2	46.8	5	9	4	11.7	10.9
7	9	4	28.1	27.8	9	9	4	1.7	1.7	-14	10	4	10.6	10.0



h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-12	10	4	1.8	1.7	-10	10	4	2.7	.2	-8	10	4	3.4	3.0
-6	10	4	21.2	20.7	-4	10	4	12.0	10.6	-2	10	4	64.0	62.8
0	10	4	10.4	9.6	2	10	4	37.7	37.2	4	10	4	10.6	11.1
6	10	4	4.1	2.6	8	10	4	18.2	17.7	-13	11	4	4.9	2.0
-11	11	4	9.1	7.8	-9	11	4	5.8	6.1	-7	11	4	3.6	1.2
-5	11	4	22.2	22.2	-3	11	4	3.9	4.1	-1	11	4	14.4	12.9
1	11	4	12.1	12.0	3	11	4	20.6	20.3	5	11	4	20.6	19.9
7	11	4	7.4	6.3	9	11	4	19.0	17.5	-12	12	4	1.8	1.3
-10	12	4	1.7	3.1	-8	12	4	8.1	7.8	-6	12	4	6.2	5.7
-4	12	4	8.2	6.9	-2	12	4	11.7	11.1	0	12	4	26.5	25.7
2	12	4	10.0	10.8	4	12	4	3.1	.6	6	12	4	19.4	18.6
8	12	4	11.0	10.2	-11	13	4	8.7	8.6	-9	13	4	29.1	28.7
-7	13	4	11.3	11.3	-5	13	4	5.5	5.2	-3	13	4	21.9	21.7
-1	13	4	16.1	16.1	1	13	4	31.2	29.6	3	13	4	4.9	4.2
5	13	4	17.7	16.9	7	13	4	12.7	11.6	-12	14	4	3.4	1.9
-10	14	4	6.1	4.8	-8	14	4	5.5	4.6	-6	14	4	13.4	13.3
-4	14	4	14.3	14.7	-2	14	4	22.2	21.6	0	14	4	11.0	10.0
2	14	4	23.3	24.1	4	14	4	22.5	21.3	6	14	4	3.1	.9
8	14	4	14.4	13.3	-11	15	4	3.9	2.4	-9	15	4	13.9	14.0
-7	15	4	9.3	10.6	-5	15	4	12.3	12.7	-3	15	4	3.3	2.9
-1	15	4	11.5	11.9	1	15	4	11.2	11.6	3	15	4	1.6	2.0
5	15	4	6.2	5.8	7	15	4	2.6	.7	-10	16	4	2.6	.5
-8	16	4	5.9	5.8	-6	16	4	19.4	19.4	-4	16	4	4.0	3.2
-2	16	4	51.5	54.1	0	16	4	4.0	3.8	2	16	4	36.4	37.8
4	16	4	13.3	13.8	6	16	4	3.3	3.8	-9	17	4	23.2	24.4
-7	17	4	26.5	27.7	-5	17	4	19.9	20.3	-3	17	4	9.4	10.2
-1	17	4	17.8	20.1	1	17	4	28.0	30.1	3	17	4	10.4	10.8
5	17	4	16.8	17.3	-10	18	4	2.3	3.3	-8	18	4	8.8	8.9
-6	18	4	1.6	2.3	-4	18	4	33.1	35.1	-2	18	4	7.6	8.0
0	18	4	28.8	31.0	2	18	4	8.2	7.7	4	18	4	9.2	9.6
-9	19	4	6.8	5.7	-7	19	4	7.9	8.3	-5	19	4	2.9	1.4
-3	19	4	11.7	13.1	-1	19	4	7.0	6.9	1	19	4	6.8	6.6
3	19	4	12.2	13.4	5	19	4	3.5	3.1	-8	20	4	4.2	4.8
-6	20	4	2.9	1.1	-4	20	4	2.6	1.0	-2	20	4	4.3	4.2
0	20	4	11.7	13.1	2	20	4	9.2	10.1	-5	21	4	4.4	3.4
-3	21	4	1.8	.4	-1	21	4	13.4	15.2	1	21	4	6.4	5.5
-4	22	4	14.7	16.6	-2	22	4	1.5	3.0	0	22	4	17.4	18.9
-14	0	5	7.8	7.3	-12	0	5	44.2	41.0	-10	0	5	35.2	34.7
-8	0	5	52.8	55.2	-6	0	5	64.9	65.8	-4	0	5	90.2	92.1
-2	0	5	37.7	38.6	0	0	5	46.3	48.9	2	0	5	40.1	41.0
4	0	5	12.1	12.3	6	0	5	32.8	30.3	8	0	5	10.8	9.8
10	0	5	4.7	1.4	-15	1	5	9.9	7.4	-13	1	5	1.5	2.2
-11	1	5	20.7	18.9	-9	1	5	4.0	3.4	-7	1	5	9.4	9.5
-5	1	5	57.7	59.0	-3	1	5	31.9	32.3	-1	1	5	43.4	45.6
1	1	5	32.4	32.2	3	1	5	3.1	1.3	5	1	5	19.2	18.4
7	1	5	5.4	2.8	9	1	5	7.7	7.1	-14	2	5	15.7	14.4
-12	2	5	18.8	18.1	-10	2	5	21.3	20.7	-8	2	5	45.6	46.1
-6	2	5	33.2	33.8	-4	2	5	63.5	63.8	-2	2	5	5.0	5.6
0	2	5	46.0	46.6	2	2	5	16.8	16.6	4	2	5	5.2	5.4
6	2	5	13.0	12.2	8	2	5	3.1	3.2	10	2	5	5.5	3.5

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-15	3	5	22.4	19.8	-13	3	5	9.8	7.4	-11	3	5	62.6	57.8
-9	3	5	3.5	2.7	-7	3	5	29.0	30.2	-5	3	5	79.0	80.1
-3	3	5	13.3	12.6	-1	3	5	96.5	99.4	1	3	5	6.8	6.1
3	3	5	50.2	51.2	5	3	5	18.9	18.1	7	3	5	13.9	13.7
9	3	5	9.5	8.8	-14	4	5	4.3	1.7	-12	4	5	16.2	15.2
-10	4	5	22.4	21.9	-8	4	5	37.8	38.3	-6	4	5	29.0	28.7
-4	4	5	64.5	64.3	-2	4	5	56.3	55.9	0	4	5	43.0	43.6
2	4	5	27.4	27.5	4	4	5	42.7	43.2	6	4	5	44.3	43.5
8	4	5	22.1	20.8	10	4	5	9.4	8.9	-15	5	5	3.3	1.1
-13	5	5	38.3	36.1	-11	5	5	19.4	16.5	-9	5	5	45.8	46.6
-7	5	5	19.9	20.2	-5	5	5	4.7	1.6	-3	5	5	82.7	82.5
-1	5	5	30.0	30.6	1	5	5	85.2	86.4	3	5	5	2.2	2.2
5	5	5	23.4	23.3	7	5	5	16.0	15.7	9	5	5	1.6	.1
-14	6	5	6.2	4.5	-12	6	5	19.1	18.0	-10	6	5	46.2	44.4
-8	6	5	4.3	5.0	-6	6	5	74.0	73.5	-4	6	5	25.0	25.1
-2	6	5	51.5	51.7	0	6	5	24.3	24.1	2	6	5	9.9	10.1
4	6	5	23.3	22.7	6	6	5	7.0	6.6	8	6	5	10.0	9.4
-13	7	5	2.9	4.4	-11	7	5	7.3	4.5	-9	7	5	8.3	8.3
-7	7	5	6.5	6.2	-5	7	5	31.2	30.6	-3	7	5	38.4	37.3
-1	7	5	5.2	4.5	1	7	5	14.3	14.6	3	7	5	25.9	25.6
5	7	5	3.4	2.8	7	7	5	4.6	3.4	9	7	5	3.2	.9
-14	8	5	19.7	18.6	-12	8	5	10.9	10.3	-10	8	5	37.0	37.3
-8	8	5	32.4	32.3	-6	8	5	53.2	53.3	-4	8	5	30.7	29.9
-2	8	5	42.6	42.7	0	8	5	26.7	25.9	2	8	5	3.9	2.5
4	8	5	23.0	22.2	6	8	5	17.4	15.9	8	8	5	11.6	10.8
-13	9	5	12.2	12.0	-11	9	5	5.5	4.3	-9	9	5	19.4	18.9
-7	9	5	13.7	13.9	-5	9	5	3.1	.7	-3	9	5	54.3	53.5
-1	9	5	13.6	14.0	1	9	5	26.6	26.3	3	9	5	12.1	11.6
5	9	5	2.7	2.3	7	9	5	11.5	10.6	9	9	5	4.5	4.9
-14	10	5	9.2	6.9	-12	10	5	10.4	11.4	-10	10	5	10.7	11.5
-8	10	5	29.3	29.0	-6	10	5	11.7	11.4	-4	10	5	16.8	16.5
-2	10	5	36.1	35.8	0	10	5	11.5	11.3	2	10	5	9.4	7.8
4	10	5	4.2	4.6	6	10	5	4.0	2.8	8	10	5	1.7	2.3
-13	11	5	23.3	21.9	-11	11	5	9.2	7.3	-9	11	5	29.3	30.6
-7	11	5	17.5	17.0	-5	11	5	4.2	2.5	-3	11	5	45.6	43.9
-1	11	5	4.0	1.9	1	11	5	38.9	37.6	3	11	5	9.0	8.4
5	11	5	12.7	12.4	7	11	5	8.0	7.6	-12	12	5	6.7	5.2
-10	12	5	22.4	21.3	-8	12	5	23.2	22.6	-6	12	5	29.4	28.6
-4	12	5	21.6	21.5	-2	12	5	30.2	29.9	0	12	5	8.8	8.6
2	12	5	8.9	7.7	4	12	5	27.3	26.9	6	12	5	22.1	22.2
8	12	5	14.2	14.0	-13	13	5	6.7	7.8	-11	13	5	26.5	27.0
-9	13	5	6.1	5.4	-7	13	5	13.3	13.5	-5	13	5	23.8	23.3
-3	13	5	13.7	14.4	-1	13	5	58.4	58.2	1	13	5	24.2	25.2
3	13	5	36.3	35.9	5	13	5	7.8	8.6	7	13	5	3.7	.6
-12	14	5	12.4	11.8	-10	14	5	3.4	.1	-8	14	5	42.2	42.2
-6	14	5	4.5	4.1	-4	14	5	34.8	35.0	-2	14	5	6.8	7.0
0	14	5	11.3	10.6	2	14	5	16.1	15.3	4	14	5	11.1	11.0
6	14	5	10.1	10.4	-11	15	5	1.8	.9	-9	15	5	3.1	1.0
-7	15	5	3.2	2.3	-5	15	5	8.4	9.1	-3	15	5	5.6	5.8
-1	15	5	6.6	6.5	1	15	5	16.6	17.3	3	15	5	4.0	4.2

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
5	15	5	10.5	10.1	-10	16	5	11.7	10.9	-8	16	5	27.8	28.3
-6	16	5	12.6	14.0	-4	16	5	27.1	27.2	-2	16	5	18.7	19.0
0	16	5	8.2	7.9	2	16	5	11.3	10.2	4	16	5	3.6	2.7
6	16	5	9.6	9.1	-9	17	5	1.7	.4	-7	17	5	8.1	8.3
-5	17	5	15.7	15.1	-3	17	5	13.5	14.7	-1	17	5	24.2	25.9
1	17	5	7.7	8.4	3	17	5	6.2	6.0	5	17	5	3.3	2.5
-8	18	5	4.4	3.4	-6	18	5	25.2	26.5	-4	18	5	6.3	6.7
-2	18	5	7.2	7.1	0	18	5	16.4	16.9	2	18	5	4.1	1.9
4	18	5	7.2	6.2	-7	19	5	9.7	10.4	-5	19	5	11.8	11.3
-3	19	5	8.4	9.2	-1	19	5	15.1	16.6	1	19	5	6.1	5.3
3	19	5	10.7	11.0	-6	20	5	7.8	8.7	-4	20	5	7.9	7.9
-2	20	5	6.3	7.3	0	20	5	6.2	5.3	2	20	5	5.2	3.9
-5	21	5	2.4	1.3	-3	21	5	20.4	22.6	-1	21	5	7.9	8.7
-14	0	6	27.5	24.6	-12	0	6	23.4	21.0	-10	0	6	50.2	49.4
-8	0	6	36.3	37.0	-6	0	6	6.7	5.8	-4	0	6	6.4	5.5
-2	0	6	51.8	53.0	0	0	6	5.2	5.5	2	0	6	55.2	55.5
4	0	6	18.6	17.5	6	0	6	44.7	42.2	8	0	6	4.8	2.5
-15	1	6	10.4	8.8	-13	1	6	12.5	11.7	-11	1	6	7.4	7.7
-9	1	6	1.9	1.0	-7	1	6	32.6	32.1	-5	1	6	61.0	60.5
-3	1	6	72.6	73.9	-1	1	6	38.8	40.1	1	1	6	8.1	7.8
3	1	6	4.6	4.6	5	1	6	20.5	19.8	7	1	6	10.9	10.5
9	1	6	15.4	14.0	-14	2	6	2.7	2.1	-12	2	6	12.0	11.2
-10	2	6	8.9	8.2	-8	2	6	20.4	20.0	-6	2	6	32.7	32.7
-4	2	6	9.6	9.5	-2	2	6	13.8	14.4	0	2	6	35.3	36.1
2	2	6	6.3	6.6	4	2	6	29.3	28.5	6	2	6	4.7	1.4
8	2	6	11.5	10.6	-15	3	6	5.0	3.3	-13	3	6	3.7	.3
-11	3	6	6.0	5.0	-9	3	6	3.5	1.3	-7	3	6	8.3	7.4
-5	3	6	6.5	6.9	-3	3	6	25.5	25.6	-1	3	6	15.2	16.2
1	3	6	16.8	15.7	3	3	6	14.3	14.4	5	3	6	31.9	31.0
7	3	6	6.5	7.0	9	3	6	7.1	6.9	-14	4	6	13.7	11.1
-12	4	6	17.3	15.7	-10	4	6	20.9	19.9	-8	4	6	5.9	6.0
-6	4	6	13.8	14.3	-4	4	6	26.1	26.6	-2	4	6	3.3	3.0
0	4	6	15.6	15.3	2	4	6	12.7	12.8	4	4	6	15.3	15.2
6	4	6	3.8	5.4	8	4	6	3.5	.2	-15	5	6	6.1	4.1
-13	5	6	3.1	3.3	-11	5	6	4.7	4.9	-9	5	6	10.9	10.8
-7	5	6	23.0	23.3	-5	5	6	19.5	19.7	-3	5	6	24.3	24.7
-1	5	6	4.2	3.2	1	5	6	3.1	1.0	3	5	6	35.8	34.8
5	5	6	3.7	3.3	7	5	6	19.6	18.6	-14	6	6	7.6	6.2
-12	6	6	4.6	3.7	-10	6	6	13.7	13.6	-8	6	6	10.2	10.1
-6	6	6	3.6	1.5	-4	6	6	9.0	8.7	-2	6	6	19.4	18.7
0	6	6	26.6	26.9	2	6	6	8.7	9.0	4	6	6	11.1	10.4
6	6	6	19.1	18.6	8	6	6	1.6	.3	-13	7	6	8.7	8.7
-11	7	6	2.2	3.9	-9	7	6	10.8	10.0	-7	7	6	20.6	19.6
-5	7	6	35.9	35.4	-3	7	6	55.9	55.6	-1	7	6	24.2	24.5
1	7	6	14.0	13.1	3	7	6	13.6	13.8	5	7	6	4.8	4.7
7	7	6	16.3	15.4	-14	8	6	6.2	6.1	-12	8	6	28.2	26.7
-10	8	6	27.1	26.8	-8	8	6	24.1	23.8	-6	8	6	31.8	30.9
-4	8	6	28.5	28.5	-2	8	6	13.0	13.0	0	8	6	53.0	53.0
2	8	6	2.9	.7	4	8	6	49.9	49.9	6	8	6	9.8	8.5
8	8	6	16.8	16.2	-13	9	6	10.3	10.0	-11	9	6	8.3	8.7

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-9	9	6	12.5	11.3	-7	9	6	35.1	34.6	-5	9	6	55.0	54.1
-3	9	6	48.4	48.8	-1	9	6	20.0	20.0	1	9	6	10.2	9.2
3	9	6	10.3	9.8	5	9	6	4.5	4.4	7	9	6	18.1	17.7
-14	10	6	8.0	8.0	-12	10	6	1.8	4.9	-10	10	6	9.5	9.6
-8	10	6	27.7	26.2	-6	10	6	9.0	9.3	-4	10	6	26.6	26.8
-2	10	6	33.0	33.6	0	10	6	3.4	.2	2	10	6	38.8	38.2
4	10	6	4.1	3.1	6	10	6	17.2	17.1	-13	11	6	1.8	.7
-11	11	6	6.1	3.4	-9	11	6	1.5	2.0	-7	11	6	5.5	4.6
-5	11	6	5.0	5.1	-3	11	6	13.8	13.9	-1	11	6	7.0	6.3
1	11	6	5.8	4.9	3	11	6	28.8	27.8	5	11	6	4.1	3.0
7	11	6	11.8	11.3	-12	12	6	10.2	10.6	-10	12	6	5.4	5.6
-8	12	6	3.4	.6	-6	12	6	5.4	6.4	-4	12	6	4.0	2.5
-2	12	6	4.7	3.2	0	12	6	13.7	12.5	2	12	6	13.8	13.9
4	12	6	14.6	13.8	6	12	6	3.6	1.2	-11	13	6	3.9	1.8
-9	13	6	18.2	17.9	-7	13	6	17.3	17.7	-5	13	6	25.4	25.4
-3	13	6	9.6	9.3	-1	13	6	12.3	12.2	1	13	6	14.8	13.3
3	13	6	3.6	2.5	5	13	6	21.6	20.5	-12	14	6	5.0	1.1
-10	14	6	1.7	2.1	-8	14	6	4.0	2.6	-6	14	6	8.3	8.7
-4	14	6	13.4	14.0	-2	14	6	20.9	21.2	0	14	6	3.5	4.2
2	14	6	29.1	29.0	4	14	6	8.8	9.0	6	14	6	6.9	6.1
-11	15	6	5.1	6.1	-9	15	6	3.9	1.8	-7	15	6	6.3	6.6
-5	15	6	13.7	13.9	-3	15	6	16.6	18.2	-1	15	6	5.7	3.5
1	15	6	3.5	1.3	3	15	6	1.5	2.2	5	15	6	4.5	2.6
-10	16	6	11.5	11.1	-8	16	6	16.1	16.1	-6	16	6	4.5	2.3
-4	16	6	15.0	15.9	-2	16	6	23.1	23.8	0	16	6	5.9	5.0
2	16	6	29.4	30.7	4	16	6	4.3	3.9	-9	17	6	7.5	8.3
-7	17	6	18.6	18.5	-5	17	6	33.6	35.1	-3	17	6	16.6	17.9
-1	17	6	16.5	17.6	1	17	6	7.0	6.3	3	17	6	4.5	4.4
-8	18	6	11.3	12.0	-6	18	6	11.8	12.9	-4	18	6	6.3	5.9
-2	18	6	3.7	4.0	0	18	6	19.3	20.6	2	18	6	7.5	6.9
-7	19	6	4.0	1.7	-5	19	6	3.0	.4	-3	19	6	5.4	5.8
-1	19	6	3.2	1.6	1	19	6	9.0	9.4	-6	20	6	3.9	2.0
-4	20	6	3.4	3.8	-2	20	6	5.2	1.9	0	20	6	4.4	2.5
-14	0	7	16.8	16.4	-12	0	7	24.3	21.9	-10	0	7	26.8	27.0
-8	0	7	42.5	44.4	-6	0	7	26.9	26.0	-4	0	7	63.0	65.6
-2	0	7	11.6	11.2	0	0	7	35.4	35.6	2	0	7	9.7	9.3
4	0	7	9.9	7.5	6	0	7	12.4	11.4	8	0	7	7.5	7.0
-15	1	7	4.5	4.4	-13	1	7	3.3	.5	-11	1	7	16.1	14.8
-9	1	7	11.2	10.4	-7	1	7	25.4	25.7	-5	1	7	5.3	5.3
-3	1	7	6.9	6.8	-1	1	7	33.4	33.2	1	1	7	7.6	6.5
3	1	7	19.2	17.8	5	1	7	2.8	.9	7	1	7	6.6	5.6
-14	2	7	15.6	14.3	-12	2	7	9.4	8.4	-10	2	7	29.2	28.9
-8	2	7	20.9	21.2	-6	2	7	38.3	39.1	-4	2	7	29.6	29.9
-2	2	7	11.5	12.0	0	2	7	36.2	36.2	2	2	7	4.2	.7
4	2	7	10.9	9.6	6	2	7	4.3	2.5	8	2	7	5.4	3.9
-15	3	7	3.6	2.2	-13	3	7	6.8	7.4	-11	3	7	38.4	34.4
-9	3	7	17.4	16.0	-7	3	7	53.5	53.5	-5	3	7	3.7	2.5
-3	3	7	41.0	41.1	-1	3	7	30.2	29.0	1	3	7	8.1	7.9
3	3	7	41.9	40.7	5	3	7	1.3	.1	7	3	7	18.0	17.2
-14	4	7	17.3	16.4	-12	4	7	20.1	18.2	-10	4	7	9.1	7.9

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-8	4	7	2.9	2.5	-6	4	7	15.0	14.5	-4	4	7	23.9	23.7
-2	4	7	47.9	48.0	0	4	7	42.8	42.7	2	4	7	30.9	29.5
4	4	7	7.1	5.9	6	4	7	3.5	2.2	-15	5	7	14.0	12.9
-13	5	7	16.7	15.7	-11	5	7	6.3	3.4	-9	5	7	52.0	51.0
-7	5	7	17.7	16.9	-5	5	7	65.2	64.3	-3	5	7	8.5	7.3
-1	5	7	26.0	26.0	1	5	7	58.3	53.7	3	5	7	6.1	5.9
5	5	7	34.5	33.9	7	5	7	5.4	2.2	-14	6	7	7.7	3.2
-12	6	7	29.4	27.4	-10	6	7	13.6	13.2	-8	6	7	19.2	20.6
-6	6	7	36.0	36.0	-4	6	7	16.6	17.3	-2	6	7	37.0	36.7
0	6	7	3.2	1.8	2	6	7	24.1	23.6	4	6	7	2.5	.2
6	6	7	4.7	4.4	-13	7	7	7.0	6.6	-11	7	7	4.3	.8
-9	7	7	18.8	18.8	-7	7	7	2.8	1.2	-5	7	7	9.2	8.8
-3	7	7	31.9	31.2	-1	7	7	5.1	1.5	1	7	7	22.7	20.9
3	7	7	8.1	8.7	5	7	7	11.0	10.4	7	7	7	4.9	4.9
-14	8	7	8.6	7.6	-12	8	7	22.4	21.2	-10	8	7	31.5	31.7
-8	8	7	27.3	27.0	-6	8	7	57.3	57.3	-4	8	7	21.6	20.7
-2	8	7	46.0	46.3	0	8	7	18.7	19.0	2	8	7	22.4	21.3
4	8	7	9.0	8.2	6	8	7	2.6	2.2	-13	9	7	7.9	7.8
-11	9	7	1.7	1.1	-9	9	7	21.2	21.6	-7	9	7	12.4	12.0
-5	9	7	27.6	26.7	-3	9	7	15.0	14.1	-1	9	7	7.9	8.2
1	9	7	31.4	30.0	3	9	7	10.1	8.9	5	9	7	15.3	14.0
-12	10	7	13.2	11.9	-10	10	7	15.9	16.3	-8	10	7	34.3	33.4
-6	10	7	11.7	11.4	-4	10	7	34.3	35.5	-2	10	7	22.8	23.9
0	10	7	10.1	8.4	2	10	7	14.9	14.3	4	10	7	7.4	7.3
6	10	7	7.1	5.6	-13	11	7	10.6	10.7	-11	11	7	5.2	4.9
-9	11	7	33.3	32.9	-7	11	7	5.1	4.5	-5	11	7	39.7	38.5
-3	11	7	16.6	16.3	-1	11	7	25.9	26.0	1	11	7	34.1	32.7
3	11	7	8.9	7.8	5	11	7	20.9	20.2	-12	12	7	14.2	13.4
-10	12	7	1.7	2.3	-8	12	7	4.3	4.4	-6	12	7	13.6	13.6
-4	12	7	11.8	11.6	-2	12	7	24.0	23.9	0	12	7	20.4	19.9
2	12	7	18.9	18.9	4	12	7	6.8	4.9	-11	13	7	21.2	21.3
-9	13	7	9.9	6.9	-7	13	7	42.7	42.6	-5	13	7	9.4	10.5
-3	13	7	36.8	37.8	-1	13	7	25.9	25.5	1	13	7	2.3	2.6
3	13	7	39.8	39.6	5	13	7	2.9	.9	-12	14	7	4.0	.6
-10	14	7	21.4	21.2	-8	14	7	24.7	24.7	-6	14	7	13.3	13.3
-4	14	7	34.2	34.8	-2	14	7	5.2	5.3	0	14	7	31.3	31.3
2	14	7	3.7	1.7	4	14	7	10.2	9.9	-11	15	7	4.4	1.6
-9	15	7	3.7	.3	-7	15	7	4.0	4.1	-5	15	7	4.0	.8
-3	15	7	3.4	3.6	-1	15	7	11.1	11.1	1	15	7	1.7	1.0
3	15	7	6.1	4.7	-10	16	7	15.8	15.6	-8	16	7	27.7	28.8
-6	16	7	12.4	11.5	-4	16	7	30.5	31.6	-2	16	7	15.7	16.5
0	16	7	15.0	14.8	2	16	7	7.9	6.7	-9	17	7	1.7	1.1
-7	17	7	24.5	25.6	-5	17	7	3.1	2.0	-3	17	7	10.5	11.9
-1	17	7	18.9	20.3	1	17	7	5.2	5.2	-8	18	7	6.3	6.3
-6	18	7	18.6	19.3	-4	18	7	2.8	3.1	-2	18	7	13.9	13.8
0	18	7	3.6	1.5	-7	19	7	13.9	13.8	-5	19	7	5.4	5.3
-3	19	7	16.7	18.2	-1	19	7	11.0	11.7	-14	0	8	1.9	.4
-12	0	8	4.7	5.8	-10	0	8	32.2	31.1	-8	0	8	36.4	35.4
-6	0	8	28.0	28.3	-4	0	8	32.6	33.2	-2	0	8	5.1	6.4
0	0	8	30.7	31.0	2	0	8	8.1	7.4	4	0	8	8.2	7.7

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
6	0	8	23.6	22.5	-15	1	8	4.7	3.8	-13	1	8	11.9	11.1
-11	1	8	21.6	18.8	-9	1	8	31.9	31.4	-7	1	8	25.5	25.5
-5	1	8	3.1	2.2	-3	1	8	22.4	22.8	-1	1	8	35.6	35.8
1	1	8	26.2	25.7	3	1	8	24.0	22.3	5	1	8	3.3	2.9
-14	2	8	12.6	11.3	-12	2	8	2.4	1.8	-10	2	8	9.0	9.4
-8	2	8	10.4	9.8	-6	2	8	19.7	19.1	-4	2	8	9.6	9.4
-2	2	8	20.6	21.0	0	2	8	4.9	3.8	2	2	8	14.8	13.6
4	2	8	8.5	7.8	6	2	8	3.5	.6	-15	3	8	5.1	2.7
-13	3	8	3.5	3.5	-11	3	8	3.7	3.0	-9	3	8	9.2	8.4
-7	3	8	4.9	3.1	-5	3	8	2.7	2.4	-3	3	8	18.9	18.4
-1	3	8	30.0	30.0	1	3	8	12.7	12.3	3	3	8	8.3	7.4
5	3	8	18.7	17.6	-14	4	8	1.8	1.8	-12	4	8	15.8	13.9
-10	4	8	23.9	23.9	-8	4	8	25.9	26.2	-6	4	8	5.0	5.9
-4	4	8	3.7	2.1	-2	4	8	8.0	7.3	0	4	8	3.3	.5
2	4	8	10.0	8.6	4	4	8	4.3	4.1	6	4	8	9.0	9.1
-13	5	8	3.2	2.5	-11	5	8	13.1	11.9	-9	5	8	2.5	3.1
-7	5	8	8.2	7.9	-5	5	8	14.5	14.2	-3	5	8	13.1	12.0
-1	5	8	26.9	28.7	1	5	8	22.0	20.0	3	5	8	1.6	.0
5	5	8	2.4	.5	-14	6	8	1.8	3.7	-12	6	8	8.7	9.6
-10	6	8	5.0	4.7	-8	6	8	4.3	.6	-6	6	8	4.6	2.9
-4	6	8	5.5	5.1	-2	6	8	11.1	11.6	0	6	8	20.6	20.2
2	6	8	4.7	.7	4	6	8	15.8	14.7	6	6	8	6.9	6.5
-13	7	8	2.9	1.3	-11	7	8	16.4	15.1	-9	7	8	19.0	19.0
-7	7	8	29.5	29.8	-5	7	8	3.2	2.3	-3	7	8	8.7	8.7
-1	7	8	29.2	30.6	1	7	8	18.3	16.6	3	7	8	14.7	13.6
5	7	8	3.8	3.5	-14	8	8	18.0	17.2	-12	8	8	13.2	12.5
-10	8	8	6.3	5.6	-8	8	8	34.3	34.2	-6	8	8	28.6	28.0
-4	8	8	14.9	14.7	-2	8	8	18.3	19.1	0	8	8	3.6	1.8
2	8	8	14.1	13.7	4	8	8	12.0	11.6	-13	9	8	12.7	11.2
-11	9	8	23.2	22.2	-9	9	8	18.7	19.1	-7	9	8	13.8	13.9
-5	9	8	4.7	4.7	-3	9	8	19.4	19.6	-1	9	8	20.7	21.1
1	9	8	27.6	25.8	3	9	8	14.1	13.5	5	9	8	12.2	12.2
-12	10	8	12.9	12.1	-10	10	8	5.4	4.8	-8	10	8	6.3	4.7
-6	10	8	24.1	23.7	-4	10	8	21.9	23.3	-2	10	8	10.3	9.6
0	10	8	8.2	7.2	2	10	8	5.3	5.4	4	10	8	3.8	3.1
-13	11	8	8.6	7.0	-11	11	8	3.4	4.2	-9	11	8	6.2	7.2
-7	11	8	11.5	11.2	-5	11	8	6.4	5.9	-3	11	8	3.3	.4
-1	11	8	16.2	16.6	1	11	8	9.5	8.2	3	11	8	4.4	4.4
-12	12	8	8.1	7.3	-10	12	8	11.6	11.2	-8	12	8	14.5	14.7
-6	12	8	7.8	7.5	-4	12	8	5.5	5.5	-2	12	8	3.7	1.7
0	12	8	4.9	3.8	2	12	8	7.1	4.5	4	12	8	8.9	7.7
-11	13	8	5.8	4.6	-9	13	8	9.7	8.6	-7	13	8	9.5	9.6
-5	13	8	2.2	.9	-3	13	8	18.9	18.8	-1	13	8	12.4	11.9
1	13	8	16.8	16.3	3	13	8	6.8	6.8	-10	14	8	11.4	10.3
-8	14	8	1.6	1.6	-6	14	8	10.0	10.0	-4	14	8	8.4	8.6
-2	14	8	4.3	2.9	0	14	8	4.3	.1	2	14	8	13.8	13.6
-9	15	8	9.0	8.5	-7	15	8	8.2	8.3	-5	15	8	4.7	3.9
-3	15	8	6.0	6.3	-1	15	8	3.3	5.0	1	15	8	7.4	6.9
-8	16	8	8.8	8.9	-6	16	8	16.2	16.9	-4	16	8	13.5	14.2
-2	16	8	1.7	.7	0	16	8	8.9	8.2	-7	17	8	1.8	1.2

h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-5	17	8	1.6	1.7	-3	17	8	13.0	13.8	-1	17	8	11.5	12.2
-6	18	8	15.7	16.9	-4	18	8	7.9	8.4	-2	18	8	11.4	11.9
-14	0	9	18.1	17.3	-12	0	9	9.5	8.6	-10	0	9	44.9	44.7
-8	0	9	16.0	15.5	-6	0	9	39.0	40.2	-4	0	9	48.7	51.1
-2	0	9	9.2	8.6	0	0	9	40.1	38.3	2	0	9	8.5	8.2
4	0	9	17.6	16.0	-13	1	9	6.5	5.2	-11	1	9	10.6	9.4
-9	1	9	2.5	.0	-7	1	9	23.6	23.3	-5	1	9	3.6	2.0
-3	1	9	22.4	22.6	-1	1	9	6.6	5.7	1	1	9	13.2	13.1
3	1	9	13.4	11.8	5	1	9	3.8	2.5	-14	2	9	6.5	6.4
-12	2	9	12.2	11.8	-10	2	9	21.3	20.2	-8	2	9	15.0	15.5
-6	2	9	33.5	34.1	-4	2	9	11.7	11.5	-2	2	9	22.9	23.4
0	2	9	16.8	16.2	2	2	9	8.6	7.5	4	2	9	8.3	7.2
-13	3	9	20.7	19.7	-11	3	9	11.3	10.1	-9	3	9	15.8	15.6
-7	3	9	27.0	26.2	-5	3	9	13.7	13.5	-3	3	9	49.0	48.8
-1	3	9	3.3	1.8	1	3	9	39.7	37.9	3	3	9	16.7	16.3
5	3	9	10.3	9.1	-14	4	9	8.1	7.1	-12	4	9	15.1	14.3
-10	4	9	29.4	27.8	-8	4	9	24.2	24.0	-6	4	9	25.5	25.2
-4	4	9	4.1	1.0	-2	4	9	6.0	5.6	0	4	9	20.9	21.4
2	4	9	12.0	11.3	4	4	9	11.6	11.4	-13	5	9	4.5	3.4
-11	5	9	18.5	17.5	-9	5	9	12.7	11.8	-7	5	9	6.0	7.3
-5	5	9	40.6	39.8	-3	5	9	10.0	10.4	-1	5	9	45.6	48.4
1	5	9	7.3	6.2	3	5	9	15.7	14.6	-14	6	9	3.8	3.8
-12	6	9	23.1	21.1	-10	6	9	11.1	9.3	-8	6	9	28.2	28.0
-6	6	9	17.0	17.0	-4	6	9	32.8	33.0	-2	6	9	16.7	15.6
0	6	9	15.0	13.3	2	6	9	19.2	18.1	4	6	9	3.6	1.7
-13	7	9	1.7	2.0	-11	7	9	4.3	3.1	-9	7	9	6.6	7.4
-7	7	9	7.1	6.2	-5	7	9	7.1	6.7	-3	7	9	2.7	1.1
-1	7	9	6.1	5.9	1	7	9	4.7	1.9	3	7	9	3.4	2.3
-12	8	9	24.5	24.1	-10	8	9	3.9	4.5	-8	8	9	35.0	35.1
-6	8	9	25.6	25.4	-4	8	9	11.5	11.2	-2	8	9	34.7	34.8
0	8	9	6.6	5.7	2	8	9	18.2	16.2	4	8	9	2.8	1.7
-13	9	9	4.3	1.4	-11	9	9	10.5	8.7	-9	9	9	9.7	10.5
-7	9	9	2.7	3.7	-5	9	9	32.4	30.7	-3	9	9	6.6	6.7
-1	9	9	20.5	19.7	1	9	9	9.1	7.6	3	9	9	3.4	1.9
-12	10	9	4.2	2.0	-10	10	9	13.4	14.1	-8	10	9	13.2	12.9
-6	10	9	6.1	6.1	-4	10	9	18.3	18.8	-2	10	9	5.8	5.3
0	10	9	7.3	6.9	2	10	9	4.3	1.4	-11	11	9	10.3	10.0
-9	11	9	7.9	8.2	-7	11	9	11.3	11.6	-5	11	9	18.4	17.3
-3	11	9	4.1	3.1	-1	11	9	28.9	28.7	1	11	9	7.6	5.8
3	11	9	13.8	12.0	-10	12	9	13.9	14.7	-8	12	9	14.7	14.7
-6	12	9	6.4	6.1	-4	12	9	5.5	5.5	-2	12	9	8.1	7.1
0	12	9	5.8	5.5	2	12	9	10.7	10.7	-11	13	9	4.6	1.8
-9	13	9	6.9	8.1	-7	13	9	15.2	14.7	-5	13	9	9.7	9.7
-3	13	9	35.6	36.2	-1	13	9	7.8	8.4	1	13	9	18.4	17.8
-10	14	9	18.9	18.1	-8	14	9	6.4	4.3	-6	14	9	18.2	18.3
-4	14	9	7.0	6.6	-2	14	9	11.3	10.8	0	14	9	13.4	13.7
-9	15	9	3.7	1.7	-7	15	9	4.7	3.1	-5	15	9	2.9	.8
-3	15	9	4.4	3.9	-1	15	9	3.5	4.1	-8	16	9	8.8	8.9
-6	16	9	11.7	12.0	-4	16	9	19.8	20.8	-2	16	9	5.5	5.9
-5	17	9	9.7	10.3	-14	0	10	1.9	3.2	-12	0	10	35.2	33.4

h	k	l	fobs	fcal	h	k	l	fobs	fcal	h	k	l	fobs	fcal
-10	0	10	3.6	4.7	-8	0	10	12.1	12.2	-6	0	10	22.1	21.8
-4	0	10	6.9	8.2	-2	0	10	15.0	14.8	0	0	10	12.8	12.9
2	0	10	12.2	11.6	-13	1	10	3.0	1.0	-11	1	10	2.8	2.8
-9	1	10	22.0	21.0	-7	1	10	16.1	16.3	-5	1	10	29.3	29.8
-3	1	10	8.4	8.0	-1	1	10	9.4	8.8	1	1	10	7.8	6.7
3	1	10	9.7	8.5	-14	2	10	12.1	11.0	-12	2	10	5.8	3.3
-10	2	10	19.2	19.0	-8	2	10	4.0	1.4	-6	2	10	5.4	5.8
-4	2	10	4.5	5.0	-2	2	10	3.3	2.8	0	2	10	4.1	2.9
2	2	10	7.8	6.7	-13	3	10	10.8	10.6	-11	3	10	10.8	9.1
-9	3	10	21.0	19.7	-7	3	10	5.4	5.0	-5	3	10	26.2	26.1
-3	3	10	9.5	9.1	-1	3	10	2.4	1.8	1	3	10	18.3	17.2
3	3	10	8.6	7.4	-12	4	10	11.3	10.1	-10	4	10	7.5	5.4
-8	4	10	8.3	8.0	-6	4	10	18.8	18.2	-4	4	10	11.5	11.0
-2	4	10	14.6	15.0	0	4	10	4.4	4.8	2	4	10	4.1	2.9
-13	5	10	4.8	1.5	-11	5	10	17.2	15.9	-9	5	10	3.0	2.0
-7	5	10	21.3	20.8	-5	5	10	1.8	.1	-3	5	10	14.5	15.0
-1	5	10	10.4	10.5	1	5	10	9.9	8.5	3	5	10	12.1	10.8
-12	6	10	11.0	11.1	-10	6	10	12.1	10.1	-8	6	10	12.0	11.6
-6	6	10	3.0	3.0	-4	6	10	12.6	11.8	-2	6	10	5.5	5.1
0	6	10	2.5	1.2	2	6	10	4.8	3.0	-13	7	10	5.9	5.4
-11	7	10	4.8	1.0	-9	7	10	8.8	7.9	-7	7	10	18.6	18.3
-5	7	10	16.3	15.8	-3	7	10	12.0	11.1	-1	7	10	5.0	2.7
1	7	10	4.9	3.0	-12	8	10	6.1	4.7	-10	8	10	20.8	21.3
-8	8	10	8.4	7.7	-6	8	10	7.3	6.7	-4	8	10	15.1	14.4
-2	8	10	13.1	13.6	0	8	10	7.2	6.4	2	8	10	12.1	12.0
-11	9	10	12.8	12.0	-9	9	10	6.8	7.0	-7	9	10	23.4	22.7
-5	9	10	12.2	11.0	-3	9	10	17.1	16.5	-1	9	10	2.1	3.0
1	9	10	1.8	1.4	-10	10	10	9.3	7.2	-8	10	10	7.8	8.6
-6	10	10	4.3	2.6	-4	10	10	9.8	11.2	-2	10	10	6.7	5.1
0	10	10	11.6	10.1	-11	11	10	6.9	5.9	-9	11	10	7.9	7.2
-7	11	10	11.4	9.9	-5	11	10	3.1	1.7	-3	11	10	8.2	8.0
-1	11	10	6.8	6.4	-10	12	10	5.8	4.0	-8	12	10	9.0	6.9
-6	12	10	8.2	8.3	-4	12	10	14.2	14.0	-2	12	10	10.2	9.6
0	12	10	6.6	4.6	-9	13	10	11.3	12.1	-7	13	10	3.4	.9
-5	13	10	13.7	13.5	-3	13	10	1.9	1.5	-1	13	10	4.4	2.5
-8	14	10	3.9	4.1	-6	14	10	6.1	5.4	-4	14	10	7.4	8.3
-2	14	10	7.0	7.0	-5	15	10	8.2	8.5	-12	0	11	11.1	11.1
-10	0	11	21.7	21.3	-8	0	11	7.8	7.4	-6	0	11	37.1	39.3
-4	0	11	3.7	3.3	-2	0	11	11.6	11.0	0	0	11	18.1	16.3
-13	1	11	4.4	6.8	-11	1	11	2.0	2.7	-9	1	11	1.6	3.1
-7	1	11	3.4	4.0	-5	1	11	2.1	1.3	-3	1	11	7.2	7.5
-1	1	11	2.6	2.0	1	1	11	15.4	13.9	-12	2	11	9.9	10.0
-10	2	11	5.7	5.9	-8	2	11	12.9	13.7	-6	2	11	12.8	13.0
-4	2	11	7.1	7.3	-2	2	11	13.4	13.1	0	2	11	6.3	5.8
-13	3	11	9.4	9.7	-11	3	11	1.9	1.0	-9	3	11	11.5	10.6
-7	3	11	3.9	1.6	-5	3	11	19.5	20.2	-3	3	11	7.6	7.7
-1	3	11	5.1	5.2	1	3	11	22.9	21.9	-12	4	11	7.1	5.2
-10	4	11	7.1	2.2	-8	4	11	19.1	18.2	-6	4	11	21.8	21.9
-4	4	11	20.9	21.5	-2	4	11	6.8	7.4	0	4	11	2.5	.1
-11	5	11	17.2	15.4	-9	5	11	5.3	3.7	-7	5	11	21.0	20.4



h	k	l	fobs	fcsl	h	k	l	fobs	fcsl	h	k	l	fobs	fcsl
-5	5	11	4.2	4.3	-3	5	11	10.7	10.8	-1	5	11	22.1	23.3
1	5	11	6.1	.1	-12	6	11	6.7	5.8	-10	6	11	7.3	7.9
-8	6	11	8.6	8.7	-6	6	11	7.7	9.0	-4	6	11	16.7	16.9
-2	6	11	4.5	.7	0	6	11	12.3	11.9	-11	7	11	1.9	3.1
-9	7	11	6.9	6.6	-7	7	11	5.8	2.4	-5	7	11	6.2	6.1
-3	7	11	7.5	7.1	-1	7	11	9.1	8.6	-10	8	11	6.2	5.2
-8	8	11	31.5	32.2	-6	8	11	2.7	.2	-4	8	11	24.9	24.6
-2	8	11	14.2	13.8	0	8	11	7.5	6.7	-9	9	11	1.8	4.5
-7	9	11	4.5	5.4	-5	9	11	9.3	8.5	-3	9	11	3.3	2.6
-1	9	11	14.4	13.4	-10	10	11	14.6	14.1	-8	10	11	8.9	7.2
-6	10	11	13.0	13.0	-4	10	11	10.7	10.2	-2	10	11	10.8	10.1
-9	11	11	6.7	5.8	-7	11	11	14.7	14.5	-5	11	11	4.6	3.7
-3	11	11	15.8	15.4	-8	12	11	9.8	9.6	-6	12	11	12.9	11.6
-4	12	11	13.3	13.6	-10	0	12	6.3	2.6	-8	0	12	22.9	23.2
-6	0	12	5.4	5.5	-4	0	12	9.0	9.0	-2	0	12	3.4	2.4
-11	1	12	11.0	10.4	-9	1	12	3.6	1.7	-7	1	12	3.1	.3
-5	1	12	9.7	10.2	-3	1	12	5.0	4.9	-1	1	12	11.9	10.5
-10	2	12	10.7	11.3	-8	2	12	1.5	2.3	-6	2	12	8.5	7.9
-4	2	12	3.4	1.1	-2	2	12	5.7	4.3	-11	3	12	11.2	8.8
-9	3	12	12.9	12.2	-7	3	12	3.6	3.9	-5	3	12	16.2	16.9
-3	3	12	1.5	.9	-10	4	12	10.4	10.6	-8	4	12	8.2	8.4
-6	4	12	7.8	8.0	-4	4	12	3.2	1.4	-2	4	12	6.7	6.2
-9	5	12	8.1	7.8	-7	5	12	16.1	16.2	-5	5	12	3.6	3.2
-3	5	12	18.4	18.5	-10	6	12	11.2	10.6	-8	6	12	5.8	3.6
-6	6	12	5.8	4.7	-4	6	12	6.3	5.7	-9	7	12	8.1	7.1
-7	7	12	8.5	8.5	-5	7	12	3.4	1.9	-3	7	12	10.0	9.3
-8	8	12	4.0	3.4	-6	8	12	18.3	17.1	-4	8	12	4.1	2.9