

AM-88-372

Cd. 107/1

Crystal structure of andremeyerite: $\text{BaFe}(\text{Fe}, \text{Mn}, \text{Mg})\text{Si}_2\text{O}_7$

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For deposit: Table 5

American Mineralogist, 73, 5-6, 608-612.

pp. (13)

Table 5. Observed and calculated structure factors

H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/
0	2	0	24.0	-23.5	3	2	0	9.8	9.4	5	15	0	21.4	-1
0	4	0	39.9	-38.5	3	3	0	8.1	-6.1	5	16	0	30.9	3
0	6	0	120.9	121.2	3	4	0	242.5	241.5	6	0	0	91.0	8
0	8	0	295.2	297.1	3	5	0	14.4	13.8	6	1	0	30.3	3
0	10	0	48.5	-38.5	3	6	0	111.2	-111.5	6	2	0	61.9	-6
0	12	0	13.2	11.9	3	7	0	14.2	-13.1	6	3	0*	15.4	1
0	14	0	71.6	72.2	3	8	0	15.5	15.0	6	4	0	17.0	-1
0	16	0	68.9	69.0	3	9	0	40.3	-41.6	6	5	0	30.4	-3
0	18	0	29.0	-28.1	3	10	0	102.0	103.6	6	6	0	15.3	1
1	0	0	20.9	-24.1	3	11	0*	1.8	-1.4	6	7	0*	9.2	-
1	1	0	7.2	6.0	3	12	0	76.6	76.9	6	8	0	69.0	6
1	2	0	39.0	39.3	3	13	0	24.6	22.6	6	9	0	23.5	2
1	3	0	11.6	-11.2	3	14	0	102.0	-100.9	6	10	0	113.7	-11
1	4	0	287.5	289.5	3	15	0	32.0	-30.7	6	11	0	27.4	-2
1	5	0	34.2	33.2	3	16	0	57.1	56.5	6	12	0	27.7	6
1	6	0	95.3	-95.6	3	17	0	15.5	-12.9	6	13	0	14.2	-1
1	7	0*	3.0	-1.8	3	18	0	60.3	59.3	6	14	0	43.8	4
1	8	0	37.9	39.8	4	0	0	306.3	306.3	7	0	0*	0.	-
1	9	0	13.6	14.5	4	1	0*	42.1	43.2	7	1	0	22.5	-2
1	10	0	153.0	100.6	4	2	0	46.0	-47.3	7	2	0	26.6	-2
1	11	0*	16.9	18.6	4	3	0	10.6	9.8	7	3	0	18.1	-1
1	12	0	104.9	102.9	4	4	0	27.4	-27.9	7	4	0	69.7	7
1	13	0*	8.1	-9.4	4	5	0	32.8	-32.8	7	5	0	32.1	2
1	14	0	81.8	-80.7	4	6	0	51.8	52.3	7	6	0	91.8	-5
1	15	0*	8.1	3.1	4	7	0*	0.	-1.5	7	7	0*	6.2	-
1	16	0	80.1	79.8	4	8	0	159.2	161.2	7	8	0*	7.5	-
1	17	0*	2.6	4.9	4	9	0	36.9	37.4	7	9	0	34.1	-1
1	18	0	56.7	57.6	4	10	0	55.2	-54.6	7	10	0	43.1	4
1	19	0	16.3	16.3	4	11	0	9.6	-9.1	7	11	0*	7.6	-
2	0	0	187.2	189.9	4	12	0	25.7	24.3	7	12	0	14.1	1
2	1	0	11.6	10.5	4	13	0	26.6	-26.1	8	0	0	108.8	11
2	2	0	71.8	-71.0	4	14	0	44.0	45.2	8	1	0	29.1	2
2	3	0*	6.2	6.1	4	15	0	12.9	13.1	8	2	0	54.1	-5
2	4	0	19.5	-20.1	4	16	0	29.6	29.6	8	3	0*	6.7	-
2	5	0	19.0	-18.2	4	17	0*	11.5	10.2	8	4	0	41.7	-7
2	6	0	67.1	69.0	5	0	0	116.7	-116.6	8	5	0	25.3	-2
2	7	0	6.7	-7.0	5	1	0	16.9	-17.2	8	6	0*	6.2	-
2	8	0	153.1	155.7	5	2	0	10.3	-7.8	8	7	0*	6.6	-
2	9	0*	6.4	4.7	5	3	0	12.8	-12.1	8	8	0	60.3	6
2	10	0	167.4	-169.5	5	4	0	216.7	217.7	8	9	0	31.6	3
2	11	0	15.4	-15.9	5	5	0	35.4	32.7	9	0	0	67.0	-6
2	12	0	69.2	69.2	5	6	0	75.1	-74.3	9	1	0	26.6	-2
2	13	0*	3.4	-3.1	5	7	0	18.2	-17.0	9	2	0	28.6	-4
2	14	0	105.9	106.3	5	8	0	40.4	-41.3	9	3	0*	18.5	-1
2	15	0*	4.1	3.5	5	9	0	11.1	-9.3	9	4	0	78.0	7
2	16	0	19.4	20.2	5	10	0	29.7	29.7	0	1	1	32.8	-6
2	17	0*	5.5	-5.9	5	11	0	20.4	20.1	0	2	1	70.1	-7
2	18	0	79.4	-77.8	5	12	0	93.1	93.3	0	3	1*	10.8	-1
3	0	0	17.3	-16.6	5	13	0*	3.3	1.4	0	4	1	87.7	1
3	1	0	18.2	-17.8	5	14	0	57.8	-59.4	0	5	1	94.8	-1

ved" reflections

Table for depos

H	K	L	F07	F07	H	K	L	F07	F07	H	K	L	F07	F07
0	6	1	65.9	65.7	1	19	1x	0.	-4.8	-3	6	1	115.5	-1
0	7	1	29.0	-24.6	-1	19	1x	0.	-3.6	3	7	1	24.5	-2
0	8	1	120.8	-123.3	2	1	1x	2.7	-1.6	-3	7	1	85.3	0
0	9	1x	9.9	14.9	-2	1	1	36.8	-34.1	3	8	1	96.7	10
0	10	1	15.9	-16.8	2	2	1	222.3	-226.3	-3	8	1	74.9	7
0	11	1	16.1	-7.9	-2	2	1	238.5	-220.0	3	9	1	30.4	-
0	12	1	146.8	150.0	2	3	1	53.1	-53.2	-3	9	1	10.4	-
0	13	1	53.0	-54.6	-2	3	1	94.8	93.3	3	10	1	28.1	-2
0	14	1	42.3	-43.6	2	4	1	68.0	70.9	-3	10	1	35.4	3
0	15	1x	7.4	-12.5	-2	4	1	72.2	74.7	3	11	1	46.3	-2
0	16	1	67.8	-73.7	2	5	1	20.8	-21.3	-3	11	1x	4.3	-1
0	17	1x	10.7	17.4	-2	5	1	53.6	55.9	3	12	1	72.5	-7
0	18	1x	10.1	17.9	2	6	1	102.3	106.8	-3	12	1	36.6	-3
0	19	1x	9.2	-2.6	-2	6	1	98.9	92.1	3	13	1	26.3	-2
1	1	1x	0.	-6.8	2	7	1x	23.2	-26.1	-3	13	1	48.9	4
-1	1	1	16.3	17.0	-2	7	1	55.0	-53.6	3	14	1x	11.4	-
-1	2	1	189.5	195.8	2	8	1	56.0	-54.4	-3	14	1	23.7	-2
-1	2	1	67.0	67.9	-2	8	1	55.2	-60.4	3	15	1x	0.	-
-1	3	1	82.1	-84.4	2	9	1	-17.5	-15.7	-3	15	1	26.5	2
-1	3	1	40.9	-40.6	-2	9	1x	4.9	4.2	3	16	1	54.8	3
-1	4	1	81.1	-79.4	2	10	1	102.3	-104.4	-3	16	1	59.7	5
-1	4	1	59.4	-59.2	-2	10	1	101.9	-99.6	3	17	1	29.6	-2
-1	5	1	90.3	-89.8	2	11	1x	15.1	-8.3	-3	17	1	21.7	-2
-1	5	1	32.1	35.9	-2	11	1	86.5	85.3	-3	18	1	45.8	-4
-1	6	1	138.7	-140.3	2	12	1	70.2	72.4	4	1	1	50.6	-5
-1	6	1	97.2	-99.0	-2	12	1	76.5	77.1	-4	1	1x	0.	-
-1	7	1	19.1	22.3	2	13	1	37.3	-39.3	4	2	1	49.7	-5
-1	7	1	32.3	32.9	-2	13	1	16.6	-16.7	-4	2	1	103.5	-7
-1	8	1	113.3	110.9	2	14	1	17.2	-13.7	4	3	1	59.5	-6
-1	8	1	141.3	141.4	-2	14	1	17.8	-20.8	-4	3	1	127.1	12
-1	9	1	32.6	-33.8	2	15	1x	0.	-2.2	4	4	1	66.8	6
-1	9	1	34.7	-31.9	-2	15	1x	0.	-11.4	-4	4	1	62.7	6
-1	10	1x	22.7	30.0	2	16	1	42.6	-41.8	4	5	1	93.3	-9
-1	10	1	11.4	-9.9	-2	16	1	46.8	-47.6	-4	5	1	48.7	4
-1	11	1x	18.6	-26.9	2	17	1x	0.	-8.2	4	6	1	41.6	3
-1	11	1	36.2	-37.5	-2	17	1	26.3	22.8	-4	6	1	71.0	7
-1	12	1	70.3	-68.5	2	18	1x	0.	10.5	4	7	1	36.8	-3
-1	12	1	122.8	-120.6	-2	18	1x	11.9	9.9	-4	7	1	17.3	-1
-1	13	1	14.3	-14.8	-2	19	1	20.4	21.4	4	8	1	95.0	-9
-1	13	1	23.4	21.6	3	1	1	36.2	-34.3	-4	8	1	85.9	-8
-1	14	1	31.1	-29.8	-3	1	1	52.6	52.7	4	9	1	33.9	-3
-1	14	1x	10.3	3.5	3	2	1	106.4	111.3	-4	9	1	45.9	4
-1	15	1x	14.3	-2.9	-3	2	1	134.9	175.2	4	10	1x	11.2	-1
-1	15	1	31.2	29.0	3	3	1	57.6	-58.1	-4	10	1	36.9	-3
-1	16	1	77.6	76.7	-3	3	1x	16.4	12.1	4	11	1	38.6	-3
-1	16	1	110.2	103.9	3	4	1	37.8	-39.7	-4	11	1	63.7	6
-1	17	1x	19.9	-24.4	-3	4	1	58.6	-57.1	4	12	1	128.0	12
-1	17	1	44.6	-42.6	3	5	1	33.9	-34.1	-4	12	1	108.8	10
-1	18	1	44.5	-44.3	-3	5	1x	16.2	13.5	4	13	1	44.0	-4
-1	18	1	66.5	-64.1	3	6	1	97.9	-98.5	-4	13	1	18.3	-1

H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/	H	K	L	/FO/	
4	14	1	34.9	-35.7	6	7	1*	-18.7	-22.1	8	6	1	19.8	
-4	14	1	18.7	-20.0	-6	7	1	18.4	-20.9	-8	6	1*	25.7	
4	15	1	30.7	-32.8	6	8	1	32.2	-30.5	8	7	1*	0.	
-4	15	1*	7.4	6.9	-6	8	1	31.2	-42.8	-8	7	1*	0.	
4	16	1	61.8	-66.4	6	9	1	36.7	-39.3	8	8	1	30.6	
-4	16	1	40.7	-51.0	-6	9	1	36.0	36.8	-8	9	1	47.4	
-4	17	1	42.6	40.7	6	10	1	56.6	-58.4	-8	10	1*	21.1	
5	1	1	70.9	-74.5	-6	10	1	35.8	-34.2	-8	11	1	51.9	
-5	1	1	69.7	63.5	6	11	1*	15.5	-21.5	-9	1	1	50.5	
5	2	1	81.2	89.8	-6	11	1	85.3	85.8	-9	2	1*	0.	
-5	2	1	14.6	8.6	6	12	1	49.8	52.5	-9	3	1	23.1	
5	3	1*	0.	-23.6	-6	12	1	67.0	66.3	-9	4	1*	11.4	
-5	3	1*	16.5	-13.4	6	13	1*	18.8	-12.8	-9	5	1*	73.7	
5	4	1	45.0	-48.0	-6	13	1	16.0	-16.4	-9	6	1	26.9	
-5	4	1	37.0	-36.6	-6	14	1	25.5	-23.8	-9	7	1	63.5	
5	5	1	34.0	-37.3	-6	15	1*	9.5	2.1	0	0	2	282.2	-31
-5	5	1	49.4	49.1	7	1	1	39.2	-41.0	0	1	2	136.4	14
5	6	1	75.5	-77.8	-7	1	1	97.5	88.9	0	2	2*	0.	1
-5	6	1	41.3	-43.0	7	2	1	88.0	90.3	0	3	2	13.7	1
5	7	1	57.6	-60.6	-7	2	1	126.1	114.4	0	4	2	13.6	1
-5	7	1	82.2	82.1	7	3	1*	0.	-3.5	0	5	2	43.8	-4
5	8	1	86.9	89.9	-7	3	1	21.8	-16.4	0	6	2	73.4	-7
-5	8	1	101.9	100.6	7	4	1	15.7	-17.0	0	7	2	54.9	-5
5	9	1	54.4	-54.9	-7	4	1	25.5	-20.7	0	8	2	189.7	-16
-5	9	1*	8.6	-8.8	7	5	1*	3.9	-16.0	0	9	2	117.6	11
5	10	1*	0.	7.3	-7	5	1*	7.6	9.0	0	10	2	68.9	6
-5	10	1	25.9	-25.1	7	6	1	70.8	-72.9	0	11	2	37.9	-5
5	11	1*	6.0	-6.1	-7	6	1	78.9	-76.7	0	12	2	38.5	-3
-5	11	1*	11.5	-13.1	7	7	1	38.5	-38.2	0	13	2	28.6	-2
5	12	1	63.2	-62.6	-7	7	1	108.5	105.7	0	14	2	78.5	-7
-5	12	1	88.6	-89.1	7	8	1	48.5	50.8	0	15	2*	8.1	1
5	13	1	25.5	-25.6	-7	8	1	32.3	33.2	0	16	2	18.5	-1
-5	13	1	57.6	56.6	7	9	1*	12.6	-20.6	0	17	2	37.5	3
5	14	1*	16.0	-14.8	-7	9	1*	23.4	22.5	0	18	2	34.8	3
-5	14	1*	9.8	8.3	7	10	1	34.4	35.5	-1	0	2	58.3	-5
5	15	1	32.6	-35.2	-7	10	1	38.2	39.4	-1	0	2	74.5	7
-5	15	1	48.5	48.9	7	11	1*	13.1	-8.7	-1	1	2	43.1	-4
-5	16	1	82.6	77.5	-7	11	1*	15.4	-7.5	-1	1	2	37.8	-3
6	1	1*	0.	-27.9	-7	12	1*	0.	-6.5	-1	2	2	56.1	-5
-6	1	1*	11.5	1.9	-7	13	1	41.8	42.3	-1	2	2	9.6	-
6	2	1	114.7	-124.0	8	1	1*	0.	-16.5	-1	3	2	48.0	-4
-6	2	1	60.7	-73.0	-8	1	1*	9.9	6.4	-1	3	2	179.5	-17
6	3	1	32.5	-35.4	8	2	1	31.6	-33.6	-1	4	2	189.8	-12
-6	3	1	94.4	87.4	-8	2	1	49.4	-47.5	-1	4	2	225.8	-22
6	4	1	35.2	39.2	8	3	1	37.5	-39.9	-1	5	2	99.9	10
-6	4	1	44.4	43.0	-8	3	1	87.8	83.7	-1	5	2	182.0	18
6	5	1*	8.1	-2.3	8	4	1	30.5	32.5	-1	6	2	75.6	7
-6	5	1	36.1	34.3	-8	4	1	24.5	23.1	-1	6	2	67.1	6
6	6	1	70.1	71.9	8	5	1	45.7	-48.1	-1	7	2	72.7	-7
-6	6	1	26.8	38.5	-8	5	1	44.8	48.0	-1	7	2	40.7	3

H	K	L	/FO/	/FE/	H	K	L	/FO/	/FE/	H	K	L	/FO/	/FE/
-1	8	2	59.9	-60.9	-2	13	2x	10.5	-10.3	-4	1	2	147.3	14
-1	8	2x	4.9	-4.1	2	14	2	80.6	-81.6	4	2	2	47.8	2
-1	9	2x	16.9	-17.9	-2	14	2	75.1	-74.5	-4	2	2x	0.	-
-1	9	2	57.9	-58.3	2	15	2	23.2	20.1	4	3	2x	15.7	1
-1	10	2	120.9	-121.4	-2	15	2	23.4	22.7	-4	3	2x	0.	-
-1	10	2	53.8	-54.5	2	16	2	16.0	-13.8	4	4	2	35.8	2
-1	11	2x	8.2	-6.7	-2	16	2	51.6	-51.3	-4	4	2	51.8	-1
-1	11	2	15.8	-15.5	2	17	2	29.9	32.2	4	5	2	21.4	1
-1	12	2	57.8	-58.4	-2	17	2	20.6	19.9	-4	5	2	56.9	-5
-1	12	2	84.2	-84.9	-2	18	2	40.9	40.3	4	6	2x	10.9	-
-1	13	2	62.5	65.0	3	8	2	106.0	109.2	-4	6	2	65.2	-6
-1	13	2	69.6	69.4	-3	8	2	145.2	-139.8	4	7	2	55.8	-5
-1	14	2	86.6	88.8	3	1	2x	12.4	8.0	-4	7	2	38.2	-3
-1	14	2	44.5	43.5	-3	1	2	81.0	-78.9	4	8	2	108.0	-9
-1	15	2	55.1	-54.1	3	2	2x	11.7	10.7	-4	8	2	126.2	-12
-1	15	2	27.0	-25.9	-3	2	2	77.0	-75.6	4	9	2	60.2	6
-1	16	2	75.6	-76.3	3	3	2	77.4	-84.3	-4	9	2	123.1	12
-1	16	2	58.0	-57.5	-3	3	2	73.2	-73.3	4	10	2	73.8	7
-1	17	2x	5.0	-12.7	3	4	2	189.9	-199.1	-4	10	2	50.8	5
-1	17	2	10.5	10.3	-3	4	2	173.0	-173.7	4	11	2x	13.3	-
-1	18	2	72.6	-71.1	3	5	2	86.4	84.9	-4	11	2	53.1	-4
-1	18	2	29.8	-31.0	-3	5	2	143.9	142.9	4	12	2x	8.8	-
-1	19	2x	11.8	12.2	3	6	2	88.0	91.7	-4	12	2	59.2	-5
-2	0	2	141.0	-146.1	-3	6	2	53.5	51.8	4	13	2x	0.	-
-2	0	2	310.5	-267.1	3	7	2x	14.8	13.8	-4	13	2	37.4	-3
-2	1	2	98.3	99.1	-3	7	2	73.6	-76.6	4	14	2	34.5	-3
-2	1	2	137.8	132.7	3	8	2	48.8	47.9	-4	14	2	76.3	-7
-2	2	2	56.0	57.6	-3	8	2	180.1	-99.6	4	15	2x	11.0	-
-2	2	2	38.2	34.2	3	9	2x	10.2	-7.0	-4	15	2x	27.3	2
-2	3	2	23.8	-24.8	-3	9	2	66.3	-48.1	-4	16	2x	11.4	-1
-2	3	2	10.1	-9.9	3	10	2	47.6	-48.8	-4	17	2	44.4	4
-2	4	2	24.8	-22.1	-3	10	2	130.3	-131.6	5	0	2	44.4	4
-2	4	2	37.1	35.9	3	11	2x	0.	-7.8	-5	0	2	84.7	8
-2	5	2	13.3	-11.8	-3	11	2x	6.7	3.2	5	1	2x	0.	-
-2	5	2	44.8	-44.6	3	12	2	60.4	-68.1	-5	1	2	31.6	-3
-2	6	2	82.0	-84.7	-3	12	2	56.0	-53.7	5	2	2x	7.2	1
-2	6	2	94.4	-94.7	3	13	2	39.1	37.4	-5	2	2x	0.	-
-2	7	2	17.3	-16.0	-3	13	2	80.4	79.3	5	3	2	17.7	-2
-2	7	2	39.2	-42.3	3	14	2	68.1	70.8	-5	3	2	119.1	-11
-2	8	2	78.0	-80.0	-3	14	2	72.1	71.3	5	4	2	98.5	-9
-2	8	2	158.9	-160.8	3	15	2x	11.1	-14.3	-5	4	2	179.3	-17
-2	9	2	67.1	69.0	-3	15	2	77.9	-77.2	5	5	2	48.3	4
-2	9	2	86.7	88.9	3	16	2	17.6	-20.6	-5	5	2	137.1	13
-2	10	2	116.1	115.7	-3	16	2	77.9	-76.4	5	6	2	85.9	8
-2	10	2	79.6	82.0	3	17	2	20.2	20.8	-5	6	2	46.4	4
-2	11	2	39.1	-41.8	-3	17	2	24.1	-21.5	5	7	2	33.4	-3
-2	11	2	65.7	-67.0	-3	18	2	75.7	-73.8	-5	7	2x	0.	-
-2	12	2	60.9	-64.7	4	5	2	163.7	-167.4	5	8	2x	11.7	-
-2	12	2	48.9	-44.8	-4	8	2	202.5	-199.8	-5	8	2	19.8	2
-2	13	2x	7.2	-7.1	4	1	2	54.8	67.8	5	9	2x	8.8	-

H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ
-5	9	2	60.5	-61.0	-7	3	2	46.4	-44.6	0	4	3	45.2	-44.2
-5	10	2	47.1	-45.1	-7	4	2	54.6	-50.5	0	5	3	34.9	-34.9
-5	10	2	16.2	-19.4	-7	4	2	78.5	-79.4	0	6	3	77.7	-77.7
-5	11	2	15.4	-13.6	-7	5	2x	8.3	20.1	0	7	3	99.8	-99.8
-5	11	2	10.7	-3.0	-7	5	2	89.0	86.9	0	8	3	60.5	-60.5
-5	12	2x	23.7	-24.5	-7	6	2	80.6	86.0	0	9	3	25.0	-25.0
-5	12	2	74.6	-75.9	-7	6	2	37.0	43.0	0	10	3	34.0	-34.0
-5	13	2	37.8	37.1	-7	7	2x	3.0	-4.3	0	11	3	39.2	-39.2
-5	13	2	62.6	61.8	-7	7	2	54.7	-52.5	0	12	3	68.9	-68.9
-5	14	2	78.0	83.3	-7	8	2	13.8	16.3	0	13	3	90.5	-90.5
-5	14	2	34.8	31.4	-7	8	2	28.9	-27.5	0	14	3x	7.9	-7.9
-5	15	2	50.9	-46.7	-7	9	2x	0.	11.7	0	15	3	23.0	-23.0
-5	16	2	36.7	-33.6	-7	9	2	27.1	-25.5	0	16	3	53.1	-53.1
-5	17	2x	0.	1.3	-7	10	2	48.5	-50.7	0	17	3x	26.3	-26.3
-6	0	2	62.1	-68.4	-7	11	2	12.2	13.8	0	18	3x	6.0	-6.0
-6	0	2	137.2	-134.3	-7	12	2	32.4	-30.9	-1	1	3x	12.3	-12.3
-6	1	2x	20.4	29.6	-7	13	2	47.4	46.5	-1	1	3	55.1	-55.1
-6	1	2	133.7	125.1	-7	14	2	47.0	44.5	-1	2	3	149.0	-149.0
-6	2	2	60.8	62.4	-8	0	2	75.6	-61.9	-1	2	3	99.9	-99.9
-6	2	2	32.9	29.1	-8	0	2	45.0	-40.7	-1	3	3	164.1	-164.1
-6	3	2	29.4	-29.8	-8	1	2x	20.1	22.2	-1	3	3	106.7	-106.7
-6	3	2	35.5	35.8	-8	1	2	95.6	86.0	-1	4	3	10.4	-10.4
-6	4	2	15.5	20.4	-8	2	2	47.3	50.5	-1	4	3	70.3	-70.3
-6	4	2	19.2	20.9	-8	2	2x	20.7	23.6	-1	5	3	155.1	-155.1
-6	5	2x	14.7	15.7	-8	3	2x	0.	-6.3	-1	5	3	16.1	-16.1
-6	5	2	77.6	-76.2	-8	4	2	30.5	-26.5	-1	6	3	137.2	-137.2
-6	6	2	30.0	-29.9	-8	5	2	46.0	-44.5	-1	6	3	68.6	-68.6
-6	6	2	19.4	-21.3	-8	6	2x	7.3	-14.3	-1	7	3	74.1	-74.1
-6	7	2x	5.0	0.4	-8	7	2	12.1	-9.9	-1	7	3	66.2	-66.2
-6	7	2	62.6	-63.0	-8	8	2	31.7	-33.4	-1	8	3	53.9	-53.9
-6	8	2	31.3	-31.9	-8	9	2	83.6	82.6	-1	8	3	84.8	-84.8
-6	8	2	79.2	-81.5	-8	10	2	45.5	50.9	-1	9	3	43.9	-43.9
-6	9	2	29.5	24.7	-8	11	2	45.8	-43.1	-1	9	3	72.6	-72.6
-6	9	2	99.6	96.9	-8	12	2	25.5	-26.6	-1	10	3	60.3	-60.3
-6	10	2	100.6	101.0	-9	0	2	34.0	34.3	-1	10	3	42.6	-42.6
-6	10	2	42.3	42.0	-9	1	2	33.4	-29.9	-1	11	3	91.1	-91.1
-6	11	2x	15.8	-17.1	-9	2	2	25.1	22.8	-1	11	3	63.9	-63.9
-6	11	2	43.1	-44.1	-9	3	2	68.6	-63.0	-1	12	3	39.5	-39.5
-6	12	2	21.4	-19.7	-9	4	2	43.6	-43.6	-1	12	3	73.5	-73.5
-6	12	2	19.5	-19.9	-9	5	2	92.4	84.6	-1	13	3	36.4	-36.4
-6	13	2	31.2	-29.5	-9	6	2x	24.3	33.0	-1	13	3	36.9	-36.9
-6	14	2x	11.3	-17.9	-9	7	2x	10.0	-7.7	-1	14	3	19.4	-19.4
-6	15	2	43.3	3.8	-9	8	2	12.7	11.8	-1	14	3	14.6	-14.6
-7	0	2	39.2	41.5	-9	9	2	52.2	-48.1	-1	15	3x	8.1	-8.1
-7	0	2	39.7	-37.3	-10	0	2	64.5	-54.4	-1	15	3	55.1	-55.1
-7	1	2x	19.4	19.8	-10	1	2	68.4	61.6	-1	16	3	33.2	-33.2
-7	1	2	31.4	-29.0	-10	2	2	32.1	31.1	-1	16	3	66.7	-66.7
-7	2	2	25.0	24.3	0	1	3	90.5	94.8	-1	17	3	56.2	-56.2
-7	2	2	14.3	-7.9	0	2	3	96.8	101.5	-1	17	3	95.4	-95.4
-7	3	2x	20.0	-24.5	0	3	3	81.0	-27.7	-1	18	3	24.1	-24.1

H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ
-2	1	3	104.3	106.9	-3	8	3	34.9	-35.6	-5	1	3	76.9	-7
-2	1	3	81.6	79.5	-3	9	3	75.3	76.9	-5	2	3	66.6	-2
-2	2	3	111.3	113.6	-3	9	3	30.4	32.3	-5	2	3	0.	-1
-2	2	3	91.2	86.9	-3	10	3*	0.3	-3.3	-5	3	3	66.0	7
-2	3	3	36.0	-35.5	-3	10	3	40.3	-41.1	-5	3	3	49.5	4
-2	3	3	106.2	-104.4	-3	11	3	58.1	52.4	-5	4	3	15.3	1
-2	4	3	38.8	-38.1	-3	11	3	65.3	64.7	-5	4	3	35.5	
-2	4	3	44.8	-42.4	-3	12	3	55.3	57.9	-5	5	3	75.2	
-2	5	3	39.1	42.2	-3	12	3	25.6	25.9	-5	5	3	39.3	-3
-2	5	3	49.5	51.5	-3	13	3*	21.5	-15.3	-5	5	3	88.2	5
-2	6	3	55.1	-59.5	-3	13	3*	0.	-13.2	-5	6	3	20.6	2
-2	6	3	19.8	-21.3	-3	14	3*	11.3	-1.0	-5	7	3*	12.1	
-2	7	3	101.1	102.4	-3	14	3*	9.9	6.3	-5	7	3	109.0	-10
-2	7	3	90.5	91.8	-3	15	3	26.3	-25.6	-5	8	3	46.1	-5
-2	8	3	49.7	48.9	-3	15	3	40.2	-39.0	-5	8	3	42.1	-4
-2	8	3	51.2	50.4	-3	16	3	26.2	-27.2	-5	9	3	37.4	3
-2	9	3	31.0	33.4	-3	17	3	50.3	51.4	-5	9	3	35.9	3
-2	9	3	19.4	-27.0	-3	18	3	29.1	29.0	-5	10	3	37.8	-3
-2	10	3	52.4	51.1	-4	1	3	64.6	68.6	-5	10	3	14.9	2
-2	10	3	36.5	37.0	-4	1	3	89.4	88.1	-5	11	3	45.7	3
-2	11	3	28.8	-29.5	-4	2	3	73.1	76.9	-5	11	3	30.1	2
-2	11	3	83.9	-83.4	-4	2	3	134.0	126.2	-5	12	3	37.0	3
-2	12	3	61.9	-62.0	-4	3	3*	6.9	-6.8	-5	12	3	38.3	3
-2	12	3	58.6	-58.4	-4	3	3	137.0	-131.5	-5	13	3	69.4	-6
-2	13	3	60.4	65.4	-4	4	3	45.5	-43.5	-5	14	3*	10.5	1
-2	13	3	64.0	82.2	-4	4	3	17.6	-17.9	-5	15	3	60.8	-6
-2	14	3	20.4	20.0	-4	5	3	34.9	34.1	-5	16	3	28.5	-2
-2	14	3	32.3	29.0	-4	5	3	77.4	-74.9	-5	17	3	73.0	7
-2	15	3	42.1	41.0	-4	6	3	56.8	-57.5	-6	1	3	41.9	6
-2	15	3	36.3	37.7	-4	6	3	99.8	-99.8	-6	1	3	12.8	1
-2	16	3	41.6	41.3	-4	7	3	81.1	69.4	-6	2	3	84.3	8
-2	16	3	45.8	46.2	-4	7	3	95.7	99.5	-6	2	3	24.7	2
-2	17	3*	0.	6.5	-4	8	3	57.2	57.6	-6	3	3*	20.4	-2
-2	17	3*	33.1	-43.1	-4	8	3	23.5	29.6	-6	3	3	124.5	-12
-2	18	3	14.7	-15.5	-4	9	3	31.6	29.4	-6	4	3	18.3	-2
-3	1	3	21.1	20.5	-4	9	3*	0.	9.4	-6	4	3	25.2	-2
-3	1	3	73.5	-66.5	-4	10	3	27.5	25.7	-6	5	3*	9.5	
-3	2	3	67.4	-69.1	-4	10	3	60.9	60.8	-6	5	3*	5.8	
-3	2	3	110.2	-105.6	-4	11	3	24.6	-25.1	-6	6	3	59.1	-5
-3	3	3	66.1	64.4	-4	11	3	92.0	-95.6	-6	6	3*	8.0	
-3	3	3	122.1	122.5	-4	12	3	72.9	-74.6	-6	7	3	56.6	5
-3	4	3	51.8	51.1	-4	12	3	32.0	-31.2	-6	7	3	33.9	3
-3	4	3*	9.9	2.5	-4	13	3	62.7	62.4	-6	8	3*	23.7	2
-3	5	3*	6.0	-3.8	-4	13	3	47.9	47.4	-6	8	3*	24.0	3
-3	5	3	90.8	93.1	-4	14	3*	0.	-2.8	-6	9	3	36.1	3
-3	6	3	34.0	37.6	-4	14	3	19.2	-15.8	-6	9	3	61.6	-6
-3	6	3	91.1	89.4	-4	15	3	12.4	10.7	-6	10	3	19.3	1
-3	7	3	26.1	-20.0	-4	16	3*	11.4	10.6	-6	11	3	98.5	-10
-3	7	3	122.9	-122.9	-4	17	3	23.8	-29.6	-6	12	3	45.1	-4
-3	8	3	77.0	-76.3	-5	1	3*	12.4	12.4	-6	13	3	51.6	3

H	K	L	/F0/	/FC/	H	K	L	/F0/	/FC/	H	K	L	/F0/	
-6	14	3*	2.0	9.3	0	3	4	35.3	39.6	2	0	4	48.5	
-6	15	3*	9.6	11.7	0	4	4	30.5	28.9	-2	0	4	100.9	11
7	1	3*	-4.4	4.9	0	5	4	39.5	39.3	-2	1	4	125.2	-11
-7	1	3	92.3	-87.5	0	6	4	61.4	59.5	-2	1	4	157.2	-11
7	2	3	50.9	-50.1	0	7	4*	2.0	2.0	2	2	4*	15.6	-
-7	2	3	29.6	-34.2	0	8	4	17.3	15.5	-2	2	4	64.9	-
7	3	3*	-19.9	24.9	0	9	4	129.0	-132.0	2	3	4	12.2	-
-7	3	3	48.9	46.3	0	10	4	26.4	-25.8	-2	3	4	22.2	-11
7	4	3	27.7	26.7	0	11	4	86.9	87.6	2	4	4	30.4	-11
-7	4	3*	0.	-2.0	0	12	4	29.1	31.1	-2	4	4*	5.7	-
7	5	3*	0.	2.9	0	13	4	29.6	29.2	2	5	4	48.0	7
-7	5	3*	0.	2.5	0	14	4	50.4	49.4	-2	5	4	65.4	2
-7	6	3	22.2	26.0	0	15	4	51.3	-49.7	2	6	4	31.3	-
-7	7	3	120.7	-125.6	0	16	4	16.0	-13.0	-2	6	4	60.7	2
-7	8	3*	0.	-10.0	0	17	4	62.0	-60.1	2	7	4	59.0	2
-7	9	3*	0.	5.9	1	0	4	30.3	-30.7	-2	7	4	79.0	2
-7	10	3*	11.1	-17.4	-1	0	4	25.1	2.0	2	8	4	46.7	1
-7	11	3	31.5	31.3	1	1	4*	7.4	-14.3	-2	8	4	102.3	11
-7	12	3*	0.	6.2	-1	1	4	49.1	31.1	2	9	4	109.4	-11
-7	13	3	46.2	-47.0	1	2	4	32.7	30.8	-2	9	4	132.4	-11
-7	14	3*	5.9	0.4	-1	2	4	34.3	33.6	2	10	4	52.5	-11
-8	1	3	36.8	33.4	1	3	4	41.6	42.2	-2	10	4*	3.0	-
-8	2	3	32.1	40.0	-1	3	4	128.2	134.4	2	11	4	42.0	4
-8	3	3	111.4	-106.0	1	4	4	60.7	61.9	-2	11	4	59.6	6
-8	4	3*	0.	2.3	-1	4	4	88.9	92.4	2	12	4	14.0	1
-8	5	3	70.0	-70.0	1	5	4	106.9	-102.6	-2	12	4	31.0	3
-8	6	3	21.9	-30.1	-1	5	4	184.4	-189.5	2	13	4*	12.7	1
-8	7	3	49.6	47.5	1	6	4	43.0	-46.1	-2	13	4	17.0	1
-8	8	3*	0.	-3.0	-1	6	4	14.0	12.8	2	14	4	36.0	3
-8	9	3*	0.	-13.4	1	7	4	85.2	86.3	-2	14	4	46.2	4
-8	10	3	18.8	23.0	-1	7	4	28.3	25.9	2	15	4*	16.7	-1
-8	11	3	79.8	-81.9	1	8	4*	0.	2.3	-2	15	4	16.5	-1
-8	12	3*	0.	0.9	-1	8	4*	17.7	11.3	-2	16	4	31.1	5
-9	1	3	63.2	-67.1	1	9	4	28.8	28.5	-2	17	4	24.7	-2
-9	2	3*	0.	-24.6	-1	9	4	46.3	46.3	3	0	4	57.7	-5
-9	3	3	34.4	31.0	1	10	4	53.4	54.5	-3	0	4	73.8	7
-9	4	3*	10.8	6.0	-1	10	4	50.3	49.5	3	1	4	29.1	3
-9	5	3*	-4.3	-7.7	-1	11	4	35.9	-34.3	-3	1	4	49.3	4
-9	6	3	26.7	29.3	-1	11	4*	4.5	2.7	3	2	4*	9.5	-1
-9	7	3	86.6	-85.2	1	12	4	28.8	21.4	-3	2	4	75.4	7
-9	8	3	13.1	-11.5	-1	12	4	31.5	29.3	3	3	4	94.5	9
-9	9	3*	0.	0.5	1	13	4	80.7	-77.8	-3	3	4	114.5	10
10	1	3*	7.1	-1.9	-1	13	4	83.4	-84.2	3	4	4	78.5	7
10	2	3*	0.	-19.4	1	14	4	42.6	-44.4	-3	4	4	81.5	7
10	3	3	81.5	-73.7	-1	14	4*	6.8	-2.3	3	5	4	121.1	-12
10	4	3*	0.	-9.3	1	15	4	101.2	100.5	-3	5	4	170.7	-16
10	5	3*	9.1	-1.8	-1	15	4	50.2	49.5	3	6	4	33.3	-13
0	0	4	33.3	32.9	1	16	4*	17.1	14.1	-3	6	4	17.2	11
0	1	4	135.0	-134.8	-1	16	4	43.3	43.5	3	7	4*	9.8	1
0	2	4	14.2	-13.7	-1	17	4*	0.	-3.2	-3	7	4	51.1	5

H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ
3	8	4	42.2	-30.3	5	1	4	15.4	-16.0	-7	1	4	31.4	2
-3	8	4	55.7	57.1	-5	1	4	46.7	43.9	-7	2	4	36.1	2
3	9	4	22.8	20.1	-5	2	4x	9.2	-10.1	-7	3	4	79.9	8
-3	9	4	64.3	63.9	-5	2	4	35.4	35.9	-7	4	4	36.8	4
3	10	4	34.6	34.7	-5	3	4x	16.3	20.9	-7	5	4	111.1	-11
-3	10	4	72.0	70.3	-5	3	4	102.8	103.1	-7	6	4	35.1	2
3	11	4x	14.3	13.4	5	4	4x	0.	3.9	-7	7	4	29.4	
-3	11	4	10.3	-9.0	-5	4	4	38.4	37.0	-7	8	4	27.2	2
3	12	4x	19.1	15.0	5	5	4	55.3	-56.7	-7	9	4	39.6	3
-3	12	4	34.8	35.1	-5	5	4	164.4	-165.3	-7	10	4	26.4	2
3	13	4	54.3	-54.4	5	6	4	61.6	-63.7	-7	11	4x	7.2	-
-3	13	4	99.7	-99.8	-5	6	4	27.1	25.9	-7	12	4x	24.5	6
3	14	4	32.9	-33.4	5	7	4	55.1	53.8	-7	13	4	61.2	-5
-3	14	4x	1.6	-0.9	-5	7	4	49.2	49.4	-7	14	4	20.4	2
3	15	4	95.9	95.3	5	8	4	15.9	-13.2	-8	0	4x	0.	-
-3	15	4	27.3	28.3	-5	8	4	30.3	38.9	8	1	4	96.7	-9
-3	17	4x	5.3	4.8	5	9	4	15.0	14.6	-8	2	4x	0.	-
4	0	4	54.8	59.3	-5	9	4	57.6	58.1	-8	3	4	22.7	2
-4	0	4	71.2	71.0	5	10	4	15.9	17.4	-8	4	4	39.7	3
4	1	4	78.4	-79.0	-5	10	4	25.8	33.1	-8	5	4	35.5	3
-4	1	4	117.6	-117.8	-5	11	4x	8.5	-10.4	-8	6	4	19.1	2
4	2	4	37.1	-36.6	-5	12	4	17.1	21.4	-8	7	4x	7.9	-
-4	2	4	14.5	14.0	-5	13	4	82.1	-84.6	-8	8	4x	12.3	-
4	3	4	15.8	15.7	-5	14	4x	11.1	8.9	-8	9	4	90.5	-9
-4	3	4	70.0	69.2	-5	15	4	67.0	67.6	-8	10	4x	0.	-
4	4	4	41.9	-42.1	-5	16	4	40.6	41.4	-8	11	4	64.3	6
-4	4	4	62.6	63.1	6	0	4	27.1	28.9	-8	12	4	14.4	1
4	5	4x	22.5	20.7	-6	0	4	54.8	53.8	-9	0	4	22.2	-
-4	5	4	23.0	20.9	6	1	4	49.8	-46.9	-9	1	4x	9.1	-
4	6	4	15.9	15.5	-6	1	4	150.4	-158.6	-9	2	4x	4.7	-
-4	6	4	64.8	64.5	6	2	4	34.7	-35.5	-9	3	4	40.3	3
4	7	4	17.6	18.8	-6	2	4	57.8	58.0	-9	4	4	26.2	-2
-4	7	4	26.0	-23.7	6	3	4	20.7	18.8	-9	5	4	84.3	-8
4	8	4x	9.6	13.0	-6	3	4	40.3	-40.1	-9	6	4x	0.	-
-4	8	4	20.0	20.2	6	4	4	53.6	-55.7	-9	7	4	55.4	5
4	9	4	81.2	-75.2	-6	4	4	28.9	30.6	-9	8	4	24.1	2
-4	9	4	121.1	-120.2	6	5	4x	8.4	-0.0	-9	9	4x	29.7	2
4	10	4	44.9	-47.5	-6	5	4	77.4	88.5	-9	10	4x	10.7	-
-4	10	4x	6.7	9.0	6	6	4x	0.	5.5	-10	0	4x	0.	-
4	11	4	46.9	47.4	-6	6	4	26.4	27.2	-10	1	4	81.5	-7
-4	11	4	109.5	108.4	-6	7	4	79.5	82.5	-10	2	4x	0.	1
4	12	4x	7.1	-3.9	-6	8	4	58.7	59.3	-10	3	4x	13.9	-1
-4	12	4	35.7	35.7	-6	9	4	119.0	-121.1	-10	4	4x	5.2	1
4	13	4	26.8	26.1	-6	10	4	28.4	31.5	-10	5	4	45.0	4
-4	14	4	46.4	46.2	-6	11	4	47.1	46.5	-10	6	4x	13.4	-
4	15	4	70.5	-69.4	-6	12	4	32.5	32.8	0	1	5	139.1	-14
-4	16	4x	10.3	12.6	-6	13	4	28.0	27.3	0	2	5x	7.6	-
4	17	4	45.5	-50.1	-6	14	4x	15.6	17.1	0	3	5	112.0	11
5	0	4	46.8	-48.1	-6	15	4x	0.	-0.3	0	4	5x	0.	-
-5	0	4	31.0	35.2	-7	0	4	50.9	-49.1	0	5	5	32.6	2

H	R	L	/FC/	/FC/	H	R	L	/FC/	/FC/	H	R	L	/FC/	/FC/
0	6	5	31.2	31.5	-2	5	5	67.6	-69.1	4	2	5	32.7	-1
0	7	5	124.4	-119.0	-2	6	5x	14.5	8.1	-4	2	5x	17.6	-1
0	8	5	45.5	-18.2	-2	6	5	34.7	-33.6	4	3	5	62.1	-1
0	9	5	53.3	-54.0	-2	7	5	112.2	-109.8	-4	3	5	153.1	15
0	10	5x	8.3	0.6	-2	7	5	122.3	-124.6	4	4	5x	13.7	-1
0	11	5	57.5	57.1	-2	8	5x	16.0	-19.8	-4	4	5	23.1	-2
0	12	5x	15.2	16.7	-2	8	5x	9.6	-6.6	4	5	5x	12.0	-1
0	13	5	39.2	-40.7	-2	9	5x	14.2	-12.0	-4	5	5	63.3	-2
0	14	5x	1.5	0.2	-2	9	5x	0.	9.3	4	6	5	37.1	-3
0	15	5	38.2	-32.5	-2	10	5x	11.2	-6.6	-4	6	5x	14.7	-1
1	1	5	29.5	51.3	-2	10	5x	11.3	11.1	4	7	5	77.0	-7
-1	1	5	50.5	56.4	-2	11	5	44.6	47.5	-4	7	5	106.9	-10
-1	2	5	28.7	28.0	-2	11	5	68.7	69.2	4	8	5	24.2	-4
-1	2	5x	18.5	23.7	-2	12	5x	15.8	14.6	-4	8	5x	8.2	-1
1	3	5	139.2	-141.8	-2	12	5x	3.6	-3.7	4	9	5	33.3	-3
-1	3	5	132.9	-136.9	-2	13	5	72.1	-94.9	-4	9	5x	29.2	-2
-1	4	5x	6.2	-10.6	-2	13	5	122.7	-121.5	-4	10	5x	5.0	-1
-1	4	5	9.4	-8.7	-2	14	5	11.6	-8.6	-4	11	5	81.5	8
-1	5	5	56.7	-88.8	-2	15	5	56.4	-54.7	-4	12	5x	12.5	-1
-1	5	5x	62.7	-68.0	-2	16	5	19.6	-17.2	-4	13	5	31.3	-2
1	6	5x	10.9	-8.3	0	1	5x	7.8	-2.8	-4	14	5x	10.2	-1
-1	6	5	33.1	-33.0	-3	1	5	44.6	38.9	-4	15	5x	26.9	-2
-1	7	5	71.9	69.0	0	2	5x	12.0	15.1	-4	16	5x	10.0	-2
-1	7	5	88.1	88.0	-3	2	5	21.1	20.5	5	1	5	39.8	3
-1	8	5x	10.6	13.3	0	3	5	76.3	-73.0	-5	1	5	109.1	10
-1	8	5x	10.3	10.3	-3	3	5	136.8	-134.8	5	2	5	32.3	2
-1	9	5	55.9	-52.5	0	4	5	16.5	-15.5	-5	2	5	38.2	-2
-1	9	5	45.8	-49.4	-3	4	5x	9.8	-6.8	5	3	5	76.8	-7
-1	10	5x	0.	1.4	0	5	5	25.1	-27.1	5	3	5	104.2	-10
-1	10	5	18.9	20.4	-3	5	5	65.9	-68.0	5	4	5x	11.0	-1
-1	11	5	80.4	-79.2	0	6	5x	11.6	-8.8	-5	4	5x	10.5	-1
-1	11	5	94.8	-93.3	-3	6	5x	10.7	7.1	5	5	5	56.4	-5
-1	12	5	10.8	-8.2	0	7	5	37.7	40.6	-5	5	5	50.5	-5
-1	12	5	28.7	-26.6	-3	7	5	99.0	97.3	5	6	5x	18.7	-4
-1	13	5	23.6	-12.0	0	8	5	25.3	24.3	-5	6	5x	1.2	-1
-1	13	5x	9.9	11.7	-3	8	5	9.9	-8.2	-5	7	5	108.0	11
-1	14	5	17.6	15.2	0	9	5	61.4	-63.5	-5	8	5	18.2	-1
-1	14	5x	11.5	-15.0	-3	9	5	70.6	-67.2	-5	9	5x	0.	-1
-1	15	5	25.9	25.4	0	10	5x	9.4	7.3	-5	10	5x	0.	-1
-1	15	5	34.8	37.4	-3	10	5x	0.	3.7	-5	11	5	55.6	-5
-1	16	5x	6.6	4.3	0	11	5	67.2	-64.8	-5	12	5x	7.0	-1
-2	1	5	80.5	-83.0	-3	11	5	84.3	-82.1	-5	13	5x	20.0	10
-2	1	5	88.3	-91.8	0	12	5	33.4	-29.0	-5	14	5x	9.0	-4
-2	2	5	36.4	-34.8	-3	12	5	9.5	5.9	-5	15	5	44.1	4
-2	2	5x	16.2	10.8	-3	13	5x	12.4	18.5	-6	1	5	44.0	-4
-2	3	5	27.6	27.0	-3	14	5x	5.0	5.7	-6	2	5x	0.	-1
-2	3	5	34.6	31.4	-3	15	5	41.6	40.9	-6	3	5	74.8	7
-2	4	5	21.1	20.2	-3	16	5x	0.	-4.1	-6	4	5x	11.7	-1
-2	4	5	15.5	14.1	4	1	5	83.6	83.0	-6	5	5x	17.9	-1
2	5	5	45.0	-47.4	-4	1	5	119.5	-116.8	-6	6	5x	11.1	-6

H	K	L	/FOZ	/FCZ	H	K	L	/FOZ	/FCZ	H	K	L	/FOZ	/FCZ
-6	7	5	68.6	-69.7	0	1	6	77.3	80.8	-2	3	6	38.3	3
-6	8	5*	10.3	7.0	0	2	6	39.5	-33.0	-2	4	6	42.3	-1
-6	9	5	19.6	25.6	0	3	6	17.6	-13.3	-2	4	6*	0.	-
-6	10	5*	9.0	-7.2	0	4	6*	14.4	5.1	-2	5	6	57.4	-2
-6	11	5	84.3	85.3	0	5	6	42.7	-39.8	-2	5	6	77.0	-7
-6	12	5*	15.5	-17.2	0	6	6	19.2	-19.3	-2	6	6*	7.7	-
-6	13	5	72.2	-72.0	0	7	6*	9.4	3.1	-2	6	6	27.0	-1
-6	14	5*	11.8	19.2	0	8	6*	10.5	2.1	-2	7	6	47.7	-1
-6	15	5	21.5	-24.1	0	9	6	112.0	116.1	-2	7	6	55.2	-5
-7	1	5	45.5	46.5	0	10	6	34.6	-31.4	-2	8	6	25.6	2
-7	2	5	28.9	-31.3	0	11	6	76.6	-77.1	-2	8	6	14.3	1
-7	3	5	51.0	-51.9	0	12	6*	16.1	10.6	-2	9	6	61.6	8
-7	4	5*	1.0	1.2	0	13	6*	34.9	-31.6	-2	9	6	105.3	10
-7	5	5*	0.	0.5	0	14	6*	10.8	-13.0	-2	10	6	18.9	-
-7	6	5	45.5	45.4	1	0	6	31.7	25.5	-2	10	6	46.3	-4
-7	7	5	92.5	97.0	-1	0	6	43.2	11.2	-2	11	6	-19.7	1
-7	8	5	27.5	-24.3	1	1	6	43.2	-40.2	-2	11	6	31.9	-3
-7	9	5	42.1	-42.1	-1	1	6*	6.1	-1.9	-2	12	6*	11.2	-1
-7	10	5	15.6	-15.9	1	2	6*	11.8	-11.3	-2	13	6	26.9	-2
-7	11	5	45.5	-44.0	-1	2	6	35.5	-35.8	-2	14	6*	5.7	-
-7	12	5	18.9	19.1	1	3	6	64.1	-59.5	-2	15	6*	5.9	1
-7	13	5*	47.7	48.8	-1	3	6	51.4	-49.0	-3	0	6	40.5	4
-8	1	5	39.0	-37.2	-1	4	6	16.7	14.1	-3	0	6	39.8	-4
-8	2	5	20.3	19.5	-1	4	6	15.3	10.2	-3	1	6	23.9	-2
-8	3	5	106.6	108.5	-1	5	6	103.9	103.1	-3	1	6	79.3	-7
-8	4	5	23.2	-24.4	-1	5	6	105.2	105.7	-3	2	6*	18.2	-
-8	5	5	52.9	51.4	1	6	6*	22.7	-8.9	-3	2	6	42.0	-4
-8	6	5*	0.	-7.7	-1	6	6	48.0	-46.3	-3	3	6	58.0	-
-8	7	5	46.8	-45.2	1	7	6	32.7	-33.5	-3	3	6	99.0	-9
-8	8	5	16.0	16.8	-1	7	6	45.4	-51.4	-3	4	6	28.0	1
-8	9	5*	0.	14.8	-1	8	6	33.6	31.1	-3	4	6	13.5	1
-8	10	5*	2.2	4.5	-1	8	6*	12.9	-3.6	-3	5	6	69.6	6
-8	11	5	69.1	72.8	-1	9	6	34.4	-35.2	-3	5	6	140.8	14
-8	12	5	29.4	-30.4	-1	9	6	41.2	-40.5	-3	6	6	23.0	-
-9	1	5	39.1	39.5	-1	10	6*	10.1	-14.9	-3	6	6	62.8	-6
-9	2	5	19.6	-22.9	-1	10	6*	5.6	-5.3	-3	7	6	23.6	-1
-9	3	5	51.2	-48.7	-1	11	6*	6.4	6.6	-3	7	6*	10.1	-
-9	4	5	15.4	16.2	-1	11	6	47.1	44.5	-3	8	6	26.1	2
-9	5	5	26.6	-24.5	1	12	6*	0.	5.8	-3	8	6*	9.3	-
-9	6	5*	5.6	1.0	-1	12	6*	0.	2.5	-3	9	6	31.0	-3
-9	7	5	92.3	95.1	-1	13	6	65.2	59.0	-3	9	6	47.5	-4
-9	8	5	25.4	-23.8	-1	13	6	70.1	66.1	-3	10	6	23.6	-2
-9	9	5	27.3	28.0	-1	14	6*	36.6	-39.6	-3	11	6*	16.2	-1
-10	1	5*	4.4	-15.4	-2	0	6	31.9	29.8	-3	12	6*	4.7	-
10	2	5	27.4	30.4	-2	0	6	23.5	28.7	-3	13	6	71.3	7
10	3	5	68.8	69.6	-2	1	6	117.3	116.7	-3	14	6	43.3	-4
10	4	5*	10.1	-8.7	-2	1	6	140.4	143.5	-3	15	6	45.6	-4
10	5	5	16.6	25.4	-2	2	6	17.5	3.8	-4	0	6*	0.	-
10	6	5	21.8	-20.2	-2	2	6	45.0	-47.7	-4	0	6	20.0	1
0	0	6*	11.0	3.5	-2	3	6	29.4	29.6	-4	1	6	39.1	4

H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ	H	K	L	ZFOZ	ZFCZ
-4	1	6	89.4	91.5	-7	1	6	58.7	-58.1	0	10	7	30.4	
-4	2	6x	9.4	-0.1	-7	2	6	37.3	-36.3	0	11	7	35.1	-1
-4	2	6	71.4	-67.5	-7	3	6	77.6	-81.6	1	1	7x	10.1	-1
-4	3	6	21.5	-22.2	-7	4	6	19.7	23.7	-1	1	7	37.0	-1
-4	3	6	28.5	-26.9	-7	5	6	102.4	105.8	1	2	7	28.7	1
-4	4	6	39.7	40.2	-7	6	6	71.3	-71.9	-1	2	7	49.3	1
-4	4	6	39.7	-38.1	-7	7	6x	0.	0.3	1	3	7	35.4	1
-4	5	6x	17.4	-15.7	-7	8	6	22.6	-25.2	-1	3	7	121.0	1
-4	5	6	25.1	-27.3	-7	9	6	28.7	-30.1	1	4	7x	17.5	-1
-4	6	6	34.1	-31.6	-7	10	6x	16.7	-12.8	-1	4	7x	4.6	
-4	7	6x	10.1	6.7	-7	11	6	21.0	-20.6	1	5	7	20.7	1
-4	8	6x	7.2	-4.5	-7	12	6x	11.5	0.4	-1	5	7	65.3	1
-4	9	6	96.6	99.8	-7	13	6x	40.5	49.5	1	6	7	28.1	-2
-4	10	6	65.2	-68.1	-8	0	6	38.0	39.9	-1	6	7	49.9	-2
-4	11	6	75.7	-75.8	-8	1	6	71.8	75.6	1	7	7	42.0	-4
-4	12	6x	4.7	0.5	-8	2	6	47.6	-50.2	-1	7	7	45.1	-4
-4	13	6x	18.4	-20.5	-8	3	6x	0.	2.8	1	8	7	24.4	2
-4	14	6	17.6	-16.0	-8	4	6	35.1	-36.0	-1	8	7	21.2	2
-4	15	6	60.0	57.2	-8	5	6	26.1	-32.4	1	9	7	59.0	2
-5	0	6	32.1	-31.9	-8	6	6x	7.5	-10.6	-1	9	7	32.3	2
-5	1	6x	4.8	-3.8	-8	7	6x	-10.4	-22.0	1	10	7x	8.0	2
-5	2	6	59.6	-58.5	-8	8	6x	0.	9.9	-1	10	7	17.2	2
-5	3	6	48.6	-46.7	-8	9	6	70.9	73.5	-1	11	7	69.2	6
-5	4	6x	0.	11.4	-8	10	6	59.0	-60.9	-1	12	7x	12.3	-1
-5	5	6	105.4	103.4	-8	11	6	31.0	-33.3	2	1	7	42.6	4
-5	6	6	80.7	-81.7	-9	0	6	37.3	-37.6	-2	1	7	79.0	7
-5	7	6	56.1	-54.9	-9	1	6x	14.4	-15.0	2	2	7	16.1	
-5	8	6	28.8	-31.7	-9	2	6	28.5	-32.8	-2	2	7	54.2	-5
-5	9	6	55.2	-53.4	-9	3	6x	0.	-13.8	2	3	7	27.9	-2
-5	10	6x	10.4	-7.9	-9	4	6	33.5	36.1	-2	3	7	39.2	-3
-5	11	6	41.9	41.3	-9	5	6x	32.8	45.5	2	4	7x	12.9	1
-5	12	6	19.3	-16.7	-9	6	6	59.6	-60.3	-2	4	7	26.5	2
-5	13	6	67.3	71.5	-9	7	6	49.3	-51.7	2	5	7	34.2	3
-5	14	6	66.0	-68.0	-9	8	6	25.1	-28.7	-2	5	7	42.0	3
-6	0	6	24.1	27.7	-9	9	6	25.9	-22.9	2	6	7	20.4	-1
-6	1	6	92.5	90.0	-10	0	6	25.8	25.4	-2	6	7x	31.6	3
-6	2	6	72.4	-74.1	-10	1	6	41.2	43.1	2	7	7	64.1	6
-6	3	6x	6.0	0.6	-10	2	6	44.9	-43.4	-2	7	7	92.9	9
-6	4	6	53.2	-53.7	-10	3	6x	4.6	-8.7	-2	8	7x	24.4	-2
-6	5	6	45.9	-45.9	-10	4	6	31.8	-30.6	-2	9	7x	14.3	
-6	6	6	28.4	-26.3	-10	5	6	19.8	-21.6	-2	10	7	19.2	-2
-6	7	6	26.2	-23.9	0	1	7	81.8	84.3	-2	11	7	37.3	-3
-6	8	6x	10.1	14.9	0	2	7	41.8	-38.1	-2	12	7	31.7	3
-6	9	6	68.5	76.0	0	3	7	48.4	-47.2	-2	13	7	70.1	6
-6	10	6	83.1	-82.0	0	4	7	14.2	-10.6	3	1	7	27.3	-2
-6	11	6	49.9	-55.1	0	5	7x	9.0	-2.9	-3	1	7x	19.3	1
-6	12	6	27.8	-27.6	0	6	7x	24.7	22.3	3	2	7	28.1	1
-6	13	6x	11.4	-16.7	0	7	7	85.0	84.5	-3	2	7	29.6	2
-6	14	6x	10.0	3.6	0	8	7x	20.4	-9.8	-3	3	7	55.0	3
-7	0	6	62.2	-63.8	0	9	7	27.3	28.1	-3	4	7	22.4	-2

H	K	L	F07	F07	H	K	L	F07	F07	H	K	L	F07	F07
-3	5	7	14.6	-13.4	-7	4	7	24.0	-24.2	-1	9	8	28.1	3
-3	6	7*	28.1	-27.9	-7	5	7*	5.7	-6.5	-2	0	8	83.1	-7
-3	7	7	49.3	-48.4	-7	6	7	49.6	-49.9	-2	1	8	48.3	-5
-3	8	7	48.7	46.5	-7	7	7	53.4	-56.3	-2	2	8	49.0	4
-3	9	7	73.8	72.6	-7	8	7	51.5	52.8	-2	3	8	21.0	-2
-3	10	7*	0.	-9.3	-7	9	7	55.5	32.8	-2	4	8*	13.4	
-3	11	7	62.1	58.9	-7	10	7*	0.	6.5	-2	5	8	45.9	
-3	12	7*	31.4	-31.5	-7	11	7*	31.5	32.7	-2	6	8*	12.2	-1
-3	13	7	44.3	-41.9	-8	1	7*	0.	-6.5	-2	7	8	13.4	1
-4	1	7	59.0	56.6	-8	2	7	45.8	-45.5	-2	8	8	43.7	4
-4	2	7	71.5	-71.5	-8	3	7	32.1	-32.8	-2	9	8	59.0	-5
-4	3	7	53.1	-48.9	-8	4	7	32.3	32.5	-2	10	8	63.4	6
-4	4	7	32.2	29.5	-8	5	7*	9.3	-3.6	-3	0	8	62.3	6
-4	5	7*	6.3	-2.5	-8	6	7	32.1	51.8	-3	1	8	51.0	4
-4	6	7	44.9	50.4	-8	7	7	14.2	19.6	-3	2	8	34.6	3
-4	7	7	76.6	75.8	-8	8	7	33.6	-33.3	-3	3	8	46.4	4
-4	8	7	29.1	-28.4	-8	9	7	29.7	-33.3	-3	4	8	77.8	-7
-4	9	7*	8.3	2.6	-8	10	7	16.5	-20.6	-3	5	8	62.9	-8
-4	10	7	45.7	-45.9	-9	1	7	46.4	-47.1	-3	6	8	61.4	6
-4	11	7*	38.7	-42.8	-9	2	7	67.1	65.6	-3	7	8	14.3	-1
-4	12	7	51.8	53.7	-9	3	7	40.1	41.4	-3	8	8*	36.8	3
-4	13	7	52.8	54.0	-9	4	7*	15.2	-16.1	-3	9	8*	31.6	3
-5	1	7	50.9	-46.6	-9	5	7	17.3	18.8	-3	10	8	10.7	-
-5	2	7	68.9	71.5	-9	6	7	48.7	-52.6	-3	11	8*	10.7	
-5	3	7	101.0	102.3	-9	7	7	45.4	-46.6	-4	0	8	71.1	-7
-5	4	7*	9.8	-10.9	-10	1	7	24.0	26.4	-4	1	8	69.4	-6
-5	5	7	58.1	58.1	-10	2	7	59.9	-61.2	-4	2	8	54.5	5
-5	6	7	55.4	-56.4	0	0	8	59.3	-59.0	-4	3	8	29.4	-2
-5	7	7*	43.7	-44.4	0	1	8	57.4	-59.2	-4	4	8	32.7	5
-5	8	7	38.0	41.1	0	2	8	29.8	24.7	-4	5	8	44.6	4
-5	9	7*	4.0	8.3	0	3	8*	19.3	-17.0	-4	6	8*	18.5	1
-5	10	7	31.0	31.2	0	4	8*	23.7	1.6	-4	7	8	16.1	1
-5	11	7*	46.1	48.5	0	5	8	42.5	45.7	-4	8	8	49.4	-4
-5	12	7*	22.0	-20.3	0	6	8*	0.	-1.5	-4	9	8	52.0	-5
-5	13	7*	0.	14.5	0	7	8*	13.1	4.9	-4	10	8	74.0	7
-6	1	7	68.8	66.9	0	8	8	46.9	-42.9	-4	11	8*	6.0	-
-6	2	7	65.0	-67.3	1	0	8	26.2	14.9	-5	0	8	25.5	2
-6	3	7	50.9	-51.7	-1	0	8	27.5	-7.5	-5	1	8	17.3	2
-6	4	7	25.3	25.4	1	1	8	48.0	50.2	-5	2	8	30.5	2
-6	5	7*	0.	4.6	-1	1	8*	16.9	14.6	-5	3	8	20.8	1
-6	6	7	41.5	41.5	1	2	8	20.4	16.6	-5	4	8	49.1	-4
-6	7	7	61.7	64.0	-1	2	8*	0.	-0.3	-5	5	8	50.3	-5
-6	8	7	24.0	-25.7	1	3	8	46.4	49.2	-5	6	8	86.2	8
-6	9	7*	0.	14.2	-1	3	8*	17.6	11.8	-5	7	8*	18.6	11
-6	10	7	24.7	-24.0	1	4	8	72.8	-70.3	-5	8	8*	0.	1
-6	11	7*	35.4	-37.1	-1	4	8	38.5	-36.6	-5	9	8*	35.5	31
-6	12	7	40.0	40.8	-1	5	8	56.7	-51.7	-5	10	8	11.3	-1
-7	1	7*	17.0	-16.5	-1	6	8	56.4	51.9	-5	11	8*	21.1	-2
-7	2	7	52.4	55.4	-1	7	8	28.9	27.4	-6	0	8	59.6	-61
-7	3	7	21.6	23.1	-1	8	8	20.1	-23.3	-6	1	8	19.8	-1

H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/
-6	2	8	69.9	70.8	-9	0	8	43.4	45.7	-4	7	9	40.0	-
-6	3	8x	4.0	5.4	-9	1	8x	10.3	11.0	-4	8	9	45.1	-
-6	4	8	35.5	35.3	-9	2	8	30.5	31.6	-5	1	9x	18.7	-
-6	5	8x	19.7	18.3	-9	3	8x	10.5	12.6	-5	2	9	30.5	-
-6	6	8x	0.	-5.0	-9	4	8	41.4	-45.0	-5	3	9	34.7	-
-6	7	8x	3.8	-7.6	-1	1	9	12.2	6.6	-5	4	9	25.6	-
-6	8	8x	23.7	-27.1	-1	2	9	63.2	-62.0	-5	5	9x	25.1	-
-6	9	8x	28.0	-33.1	-1	3	9	50.7	-48.0	-5	6	9x	38.4	-
-6	10	8	86.5	91.3	-1	4	9x	22.2	-13.4	-5	7	9x	18.9	-
-7	0	8	59.2	62.2	-2	1	9	45.4	-42.5	-5	8	9x	48.4	-
-7	1	8	31.9	30.5	-2	2	9	59.5	59.3	-6	1	9	39.6	-
-7	2	8	40.0	39.8	-2	3	9x	13.4	9.6	-6	2	9	79.9	6
-7	3	8	33.0	33.3	-2	4	9x	13.0	-14.6	-6	3	9x	11.9	-
-7	4	8	46.4	-51.2	-2	5	9x	6.1	-7.3	-6	4	9x	9.1	-1
-7	5	8x	36.9	-42.4	-2	6	9	50.3	-44.3	-6	5	9x	8.0	-
-7	6	8	79.7	80.9	-3	1	9x	16.8	-14.1	-6	6	9	60.9	-6
-7	7	8x	12.5	-13.7	-3	2	9	39.9	-34.3	-6	7	9x	30.7	6
-7	8	8	36.0	35.2	-3	3	9	38.1	-40.0	-7	1	9x	0.	-
-7	9	8x	22.0	20.2	-3	4	9	26.7	23.1	-7	2	9	50.1	5
-8	0	8	70.6	-72.8	-3	5	9x	9.4	-11.2	-7	3	9x	12.0	-1
-8	1	8	47.5	-47.3	-3	6	9x	39.0	34.4	-7	4	9x	18.5	1
-8	2	8	55.1	56.5	-3	7	9x	9.1	3.6	-7	5	9x	3.2	-
-8	3	8	20.8	-21.3	-4	1	9	26.1	-25.6	-7	6	9	45.0	5
-8	4	8	68.3	67.1	-4	2	9	44.4	43.9	-8	1	9x	0.	-
-8	5	8x	27.0	26.1	-4	3	9x	12.9	-9.7	8	2	9	32.3	3
-8	6	8	19.7	18.9	-4	4	9	41.9	-43.3	-8	3	9x	8.6	-1
-8	7	8	14.5	19.2	-4	5	9	29.1	-31.2	-8	4	9	36.4	-3
-8	8	8	39.1	-44.7	-4	6	9	22.6	-17.0					