

APPENDIX A: SCORE TRANSCRIPTIONS – Partch’s 43-Tone Scale

Index No.	Ratio	Cents	Interval Name (in musical terms)	Pitch Class ***	Deviation from 12-TET (in cents)
1	1/1	0	perfect unison	G	0
2*	81/80	22	acute unison	G	+22
3*	33/32	53	augmented unison	G#	-47
4*	21/20	84	small just minor second	G#	-16
5*	16/15	112	large just minor second	Ab	+12
6	12/11	151	undecimal minor second	Ab	+51
7	11/10	165	undecimal major second	A	-35
8	10/9	182	small just major second	A	-18
9	9/8	204	large just major second	A	+4
10	8/7	231	septimal major second	A	+31
11	7/6	267	septimal minor third (subminor third)	Bb	-33
12**	32/27	294	Pythagorean minor third	Bb	-6
13	6/5	316	just minor third	Bb	+16
14	11/9	347	neutral third	Bb	+47
15	5/4	386	just major third	B	-14
16	14/11	418	undecimal major third	B	+18
17	9/7	435	septimal major third (supermajor third)	B	+35
18**	21/16	471	subfourth	C	-29
19	4/3	498	just perfect fourth	C	-2
20**	27/20	520	acute fourth	C	+20
21	11/8	551	augmented fourth	C#	-49
22	7/5	583	small septimal tritone	C#	-17
23	10/7	617	large septimal tritone	Db	+17
24	16/11	649	diminished fifth	Db	+49
25**	40/27	680	sub fifth	D	-20
26	3/2	702	just perfect fifth	D	+2
27**	32/21	729	acute fifth	D	+29
28	14/9	765	septimal minor sixth (subminor sixth)	Eb	-35
29	11/7	782	undecimal minor sixth	Eb	-18
30	8/5	814	just minor sixth	Eb	+14
31	18/11	853	neutral sixth	E	-47
32	5/3	884	just major sixth	E	-16
33**	27/16	906	Pythagorean major sixth	E	+6
34	12/7	933	septimal major sixth (supermajor sixth)	E	+33
35	7/4	969	septimal minor seventh	F	-31
36	16/9	996	small just minor seventh	F	-4
37	9/5	1018	large just minor seventh	F	+18
38	20/11	1035	undecimal minor seventh	F	+35
39	11/6	1049	undecimal major seventh	F#	-51
40*	15/8	1088	small just major seventh	F#	-12
41*	40/21	1116	large just major seventh	Gb	+16
42*	64/33	1147	diminished unison	Gb	+47
43*	160/81	1178	sub octave	G	-22
44	2/1	1200	perfect octave	G	0

* Successive-number ratios and their complements

** Multiple-number ratios and their complements

*** Approximate pitch class names based on the 12-tone equal temperament chromatic scale