

92	Np 222	Np 223	Np 224	Np 225 6 ms	Np 226 35 ms	Np 227 510 ms	Np 228 61.4 s	Np 229 4.00 m	Np 230 4.6 m	Np 231 48.8 m	Np 232 14.7 m	Np 233 36.2 m	Np 234 4.4 d	Np 235 396.1 d	Np 236 153 ky	Np 237 2.144 My	Np 238 2.099 d	Np 239 2.356 d	Np 240 61.9 m	Np 241 13.9 m
	U 221 660 ns	U 222 4.7 us	U 223 21 us	U 224 396 us	U 225 61 ms	U 226 269 ms	U 227 1.1 m	U 228 9.1 m	U 229 57.8 m	U 230 20.23 d	U 231 4.2 d	U 232 68.9 y	U 233 159.2 ky	U 234 0.0054	U 235 0.7204	U 236 23.42 My	U 237 6.752 d	U 238 99.2742	U 239 23.45 m	U 240 14.1 h
	Pa 220 780 ns	Pa 221 5.9 us	Pa 222 3.2 ms	Pa 223 5.1 ms	Pa 224 846 ms	Pa 225 1.7 s	Pa 226 1.8 m	Pa 227 38.3 m	Pa 228 22 h	Pa 229 1.50 d	Pa 230 17.4 d	Pa 231 32.76 ky	Pa 232 1.32 d	Pa 233 26.975 d	Pa 234 6.70 h	Pa 235 24.4 m	Pa 236 9.1 m	Pa 237 8.7 m	Pa 238 2.28 m	Pa 239 1.8 h
90	Th 219 1.021 us	Th 220 9.7 us	Th 221 1.78 ms	Th 222 2.24 ms	Th 223 600 ms	Th 224 1.04 s	Th 225 8.75 m	Th 226 30.70 m	Th 227 18.697 d	Th 228 1.9124 y	Th 229 7.920 ky	Th 230 75.4 ky	Th 231 25.52 h	Th 232 100.	Th 233 21.83 m	Th 234 24.10 d	Th 235 7.2 m	Th 236 37.3 m	Th 237 4.8 m	Th 238 9.4 m
	Ac 218 1.00 us	Ac 219 11.8 us	Ac 220 26.36 ms	Ac 221 52 ms	Ac 222 5.0 s	Ac 223 2.10 m	Ac 224 2.78 h	Ac 225 9.920 d	Ac 226 29.37 h	Ac 227 21.772 y	Ac 228 6.15 h	Ac 229 62.7 m	Ac 230 122 s	Ac 231 7.5 m	Ac 232 1.98 m	Ac 233 145 s	Ac 234 45 s	Ac 235 62 s	Ac 236 4.5 m	Ac 237
88	Ra 217 1.63 us	Ra 218 25.2 us	Ra 219 10 ms	Ra 220 17.9 ms	Ra 221 28 s	Ra 222 33.6 s	Ra 223 11.4377 d	Ra 224 3.6319 d	Ra 225 14.9 d	Ra 226 1.600 ky	Ra 227 42.2 m	Ra 228 5.75 y	Ra 229 4.0 m	Ra 230 93 m	Ra 231 104 s	Ra 232 4.0 m	Ra 233 30 s	Ra 234 30 s	Ra 235	148
	Fr 216 700 ns	Fr 217 16.8 us	Fr 218 1.0 ms	Fr 219 20 ms	Fr 220 27.4 s	Fr 221 4.801 m	Fr 222 14.2 m	Fr 223 22.00 m	Fr 224 3.33 m	Fr 225 3.95 m	Fr 226 49 s	Fr 227 2.47 m	Fr 228 38 s	Fr 229 50.2 s	Fr 230 19.1 s	Fr 231 17.6 s	Fr 232 5.5 s	Fr 233 900 ms		
86	Rn 215 2.30 us	Rn 216 45 us	Rn 217 540 us	Rn 218 33.75 ms	Rn 219 3.96 s	Rn 220 55.6 s	Rn 221 25.7 m	Rn 222 3.8215 d	Rn 223 24.3 m	Rn 224 107 m	Rn 225 4.66 m	Rn 226 7.4 m	Rn 227 20.2 s	Rn 228 65 s	Rn 229 11.9 s	Rn 230	Rn 231	146		
	At 214 558 ns	At 215 100 us	At 216 300 us	At 217 32.62 ms	At 218 1.5 s	At 219 56 s	At 220 3.71 m	At 221 2.3 m	At 222 54 s	At 223 50 s	At 224 2.5 m	At 225	At 226	At 227	At 228	At 229				
130		132		134		136		138		140		142		144						