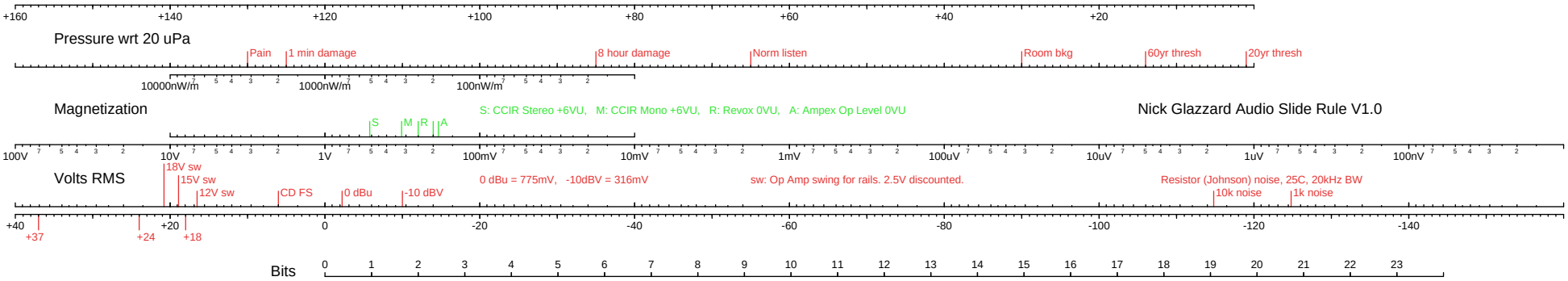
+160
+140
+120
+100
+80
+60
+40
+20
Pressure wrt 20 uPa
Pain
1 min damage
8 hour damage
Norm listen
Room bkg
60yr thresh
20yr thresh
10000nW/m
1000nW/m
100nW/m
Magnetization
S: CCIR Stereo +6VU, M: CCIR Mono +6VU, R: Revox 0VU, A: Ampex Op Level 0VU
Nick Glazzard Audio Slide Rule V1.0
S
M
R
A
100V
10V
1V
100mV
10mV
1mV
100uV
10uV
1uV
100nV
Volts RMS
18V sw
15V sw
12V sw
CD FS
0 dBu
-10 dBV
0 dBu = 775mV, -10dBV = 316mV
sw: Op Amp swing for rails. 2.5V discounted.
Resistor (Johnson) noise, 25C, 20kHz BW
10k noise
1k noise
+40
+37
+24
+20
+18
0
-20
-40
-60
-80
-100
-120
-140
Bits
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23