## Sol's Violin A Work for Music of the Spheres

## 31 July - 31 August, 2003. IMA, Brisbane.

## Andrew Kettle 2003

an audio composition of 521 hours in its entirety. Tones are established for the 9 planets based on the geophysical properties of planetary mass and orbital period.

 $Frequency = ((1/Orbit)xweight)/2^{48}$ 

Tone is manipulated by astronomical data specific to Brisbane between 31 July - 31 August, 2003.

A Planets rising and setting times controls the volume envelope with Geocentric position attributed to modulation.

A simple installation of distributed sound consists of envelopes of volume and modulation in 4 1/2 weeks blocks.

+ 0.3302 NO24 4.344438676 NO16 7600521. Gec  $\frac{1}{224.301d} \times 4.8685 \times 10^{24}) \stackrel{.}{}_{2}^{247} = 1583.691 hz$ -2"5 = 890,915 1 × 5.9736×102+) - 247; 365.256d 1344, 978 hz. (686.980d + 0.64185x1024) - 247: 76. 836 hz. -248=672.489 4332.591d × 13.98.6×10<sup>24</sup>) 12.47: 36038.146 10759.22d 568.46x024): 247 4345 058 30685.42 × 86.832×1024); 24? - 232.715.  $-\frac{1}{60189d}$  + 102.43 +10<sup>24</sup>)  $\frac{1}{2}2^{47}$  [39.954  $\frac{1}{2}2^{48}$  = 69.977 = 154.345 HZ (77.172) , 890,91342 (445,45) Source 48th Odave (248) 672.499 hrz (336244 38.418 hz (19,209 = 198,019.073452 (9009.5 y. 69.977 bz.

ZNO AUGUST (SATURDAY). 0 6:29-17:20 +17.56N 3 911 - 2115 - € - 1 - 21:15. +05.36N 1151 P 翔 +10,30N 1016 +20.00N 61 9 16 400 2:00 Qt- 19.2 Zuio 210 8: 13.325 1107 Ţ 7:23-18:27 +14.01 N 19:15 10 TR -10 719351T. +22.28.04 - 14:52 4:27 Not ship for GALLORY OREN N 240 1440 NO 60 b 19.11 10,000. 19.11 14.56 2.11 (in the second 늌 605 356 0، روع XVP S



23 AUGUST (SATURATY) 10 612 - 17:30 HII. 40N 3 2:39 - 13:00 + 26.29 N \$ 7.16 - 14:25 -00.585 9 6:21 -17:34 +12.32N 0+ 17:51 - 7:04 -15,205 2 6:15 - 17:25 x12.35 N 5 3:14 13 40 +22.20 N.

