Sonya Smalley Convert 37.25 and 0.2 into NASA format

37.25: 37=2×16+5×16°=2516 $0.25_{10} \times 16 = 4$ 50 $0.25_{10} = 0.4_{16}$ $37.25_{10} = 25.4_{16} = 0010 0101.0100_2 = 0.10010101 \times 2^6$

0.100,1010,1000,0000,0000,0000,0000,0110

0.2: 0.210 × 16 = 3.2 0.2, ×16=3.2 50 0.2,=0.310

 $0.3_{16} = 0.0011_{2} = 0.1100_{2} \times 2^{-2}$

-2,00000010 11111101+1

0.110,0110,0110,0110,0110,0110,1111,1111