

SIDE CALIBRATION DATA

SIDE Frame = 1.208 sec
 SIDE Cycle = 2.577 min (128 SIDE Frames)
 Accumulation Interval = 1.13 ± .025 sec

Entrance Aperture Slits
 TID 3mm x 8mm Area = .24 cm²
 MAD 2mm x 8mm Area = .16 cm²

Efficiency
 SN 4 (Apollo 12) $\epsilon = 3 \times 10^{17}$ counts/amp
 SN 5 (Apollo 14) $\epsilon = 5 \times 10^{17}$ counts/amp

Solid Angle $\Omega = .0086$ ster
 (assuming a cone of 3° half angle)

Geometric Factor
 $G = \epsilon A \Omega \sim 1 \times 10^{-4}$ (SN 4)

Directional Flux (particles/cm²/ster/sec) = 1×10^4 (Counts/SIDE Frame)
 (Apollo 12)

MASS ANALYZER CALIBRATION

