

AMIE FLATFIELD SPECTRAL CALIBRATION.

EQUIPMENT: — JY THR 1000 MONOCHROMATOR
UDT 390 OPTOMETER
S260 Si Detector
6" INTEGRATING SPHERE.

SI DETECTOR IS BAPPLD TO HAVE AN EFFECTIVE FOV OF 6.46°
OR 0.225 Sr (FULL WIDTH).

$$\Rightarrow \text{FOR AMIE WITH FOV OF } 7.5^\circ \text{ (0.262 Sr) FLUX FROM SPHERE} \\ = \text{UDT READING} \times 1.16 = \text{AMIE FLUX (@ entrance aperture)}$$

- SELECT WAVELENGTH ON JY USING ACQUISITION + MOVE CALIBRATE
- SELECT CORRESPONDING WAVELENGTH ON UDT USING "WAVELENGTH SELECT" BUTTON + UP \wedge and \vee DOWN ARROWS + THEN PRESS "START" TO take new reading.
- OUTPUT FLUX LEVEL CAN BE ADJUSTED USING THR 1000 SLIT WIDTHS AND/OR LAMP POWER SUPPLY