What does "pointing" mean?

The LAT FOV is huge:

Effective Area/On-axis Effective Area

Relative Area vs. Angle of Incidence

GLAST

EGRET

Angle of Incidence (degrees)

$$\text{FOM} = \text{sqrt}(\text{Aeff})/\theta_{68}$$

PSF also degrades off axis

Relative FOM

- FOM 1 GeV FRONT
- FOM 100 MeV Front
- FOV 100 MeV Back
- FOM 1 GeV Back

incidence angle (deg)
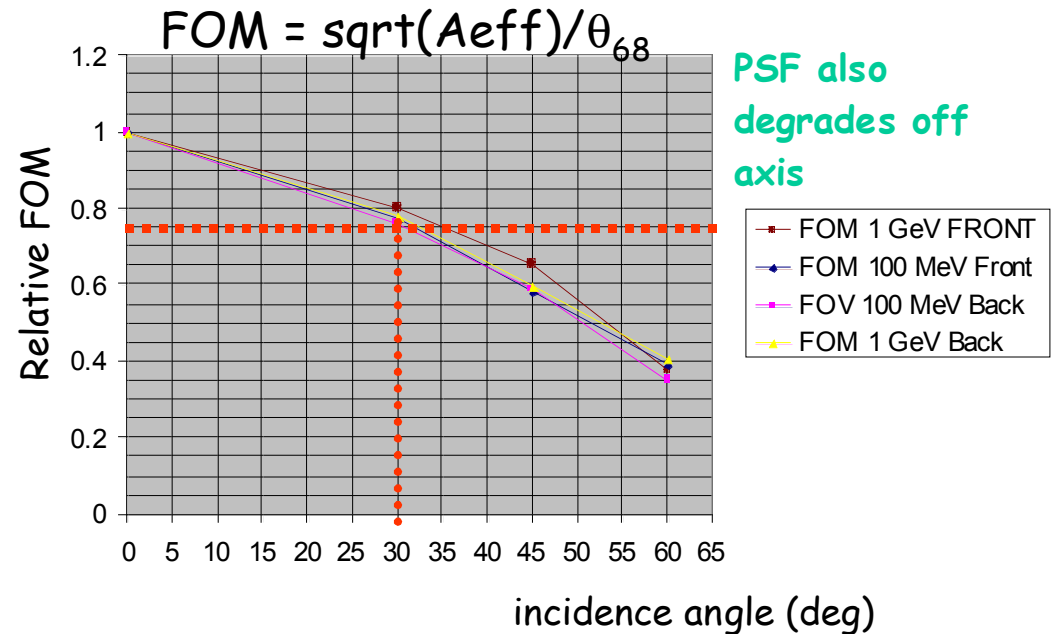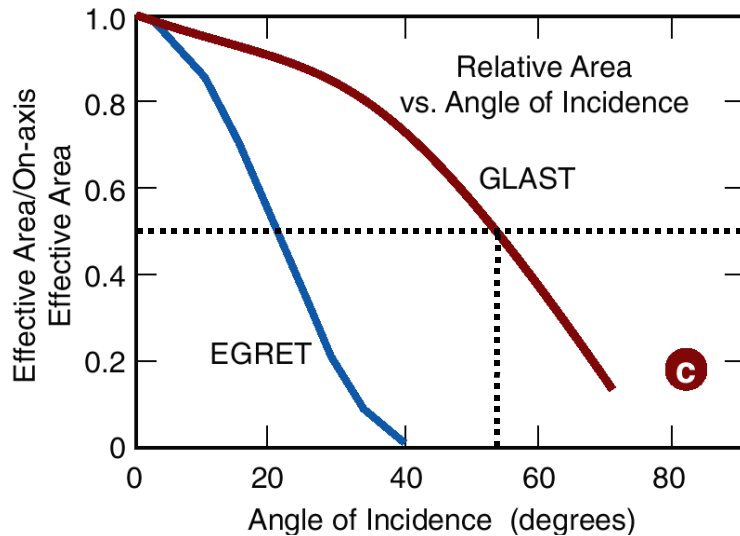
For the purposes of setting slew requirements define

- **LAT FOV**: anything within **±55° (0.96 radian)** (TBR) of normal incidence is within the **LAT FOV**.

- **"Pointing"**: the target is within **±30° (0.52 radian)** (TBR) of normal incidence. **Individual targets may have a different criterion, depending on their characteristics.**