and  $\hat{\omega}_{ES} \approx \frac{1}{|\hat{\omega}_{sun}|} (\hat{\omega}_{sun} - \hat{n}_{E})$ . WPE is similarly@ WPE = WPIAtom - np and wPE = 10 Hottom - np) Later, we will integrate over the satellite-centered coordinate System, so we can define hip in terms of (Rp, Pp, Pp), where Response the parameters define spherical coordinates around the satellite. We can evaluate (np, wee) = (np platform) - (np, 10 platform) = \langle \hata\_p, \hataplaphop \langle \hataplaphop \hataplaphop \langle \hataplaphop \hataplaphop \langle \hataplaphop \ Thus, for es latterm ( î e, wsun) - (î e, ws coordinates.