ORIENTATION OF BINARY:

( 0 e, 40) ( 0 n, 4 n)

= wsolwson

+ Sinon sinon ws ( - dn)

المراند كل عام الم

1) The plus and cross polarization can be written as (for Orling Binan)

$$h_{+} = \frac{46 \pi}{c^{2} \gamma} \left(\frac{V}{C}\right)^{2} \left\{ \frac{1 + (\hat{L} \hat{\Lambda})^{2}}{2} \right\} \cos 2\phi$$

$$= -\frac{44\mu}{c^2y} \left(\frac{y}{c}\right)^2 \left(\frac{1+\cos^2i}{2}\right) \cos 2\phi /\!\!/$$

$$h_X = -\frac{4\alpha u}{(^2)^2} \left(\frac{1}{2}\right)^2 \left(\frac{1}{2}\right) \sin 2\phi$$

$$= -\frac{4GH}{c^2V} \left(\frac{V}{c}\right)^2 \cos \sin 2\phi //$$

Since Q = D by the line of sight,

the inclination angle is Q'where  $Q' = \frac{1}{C^2 r} \left( \frac{v}{c} \right)^2 \left( \frac{1 + \cos^2 Q'}{2} \right) \cos 2t$ where  $Q' = \frac{1}{C^2 r} \left( \frac{v}{c} \right)^2 \left( \frac{1 + \cos^2 Q'}{2} \right) \cos 2t$ where  $Q' = \frac{1}{C^2 r} \left( \frac{v}{c} \right)^2 \left( \frac{1 + \cos^2 Q'}{2} \right) \cos 2t$ where  $Q' = \frac{1}{C^2 r} \left( \frac{v}{c} \right)^2 \left( \frac{1 + \cos^2 Q'}{2} \right) \cos 2t$ where  $Q' = \frac{1}{C^2 r} \left( \frac{v}{c} \right)^2 \left( \frac{1 + \cos^2 Q'}{2} \right) \cos 2t$ 

$$h_{+} = -\frac{464}{c^{2}\gamma} \left(\frac{V}{c}\right)^{2} \left(\frac{1+\cos^{2}\theta'}{2}\right) \cos 2\theta$$

$$h_{X} = -\frac{444}{C^{2}} \left(\frac{v}{c}\right)^{2} \cos \theta' \sin \theta dt$$

If we defil  $F_n^{(t)} l F_n^{(x)}$  as the antenna beam parameters we can write more accurately

$$h(t) = B(t) \cos \chi(t) \quad \text{where} \quad B(t) = \sqrt{f(t)} A_r(t)^2 + \left(F^{(x)} A_x(t)\right)^2 + \left(F^{(x)} A_x(t)\right)^2}$$

where 
$$\Phi_{n(t)} = ten^{-1} \left[ -F^{(x)}(t) \Delta_{x}(t) \right]$$

$$\left[ F^{(x)}(t) A_{+}(t) \right]$$