1 800 hors - 250,000 Cox 8 xxx 1 0-1 cm = 2108 A° <= 0.5 cm | 101/2 Folk folk Story a ! 7 = 5000 A° (70, 63) 5= 7K 0=120=12.5000A°=1210"=1.22.0.006°= 216"1.22=26.4" 578115 THIS YS600 (580 12) 3600 oriber 221, 10=10A -3 100/10-10005 7=0.5m, 0=2.4m : NOS .6 0=1.22 1 = 1.22 · 0.5/m = 1.22 · 0.5/0 = 1.22 · 2.08/07 JEST 1-50 = 1.9/0-5° = 0.054" Hubl le Space Jelescape 7=1-100 cm 155.6 12,756.3 km 1=170 7G17 6=1.22 = 1.22 · (1-100) 152 m = 157-159 at = 12.7610 m ~ 10-2-10-4 " VLBI 100=2R => Q= 141010 == 0.5° 1700 ; 5115- 5215-: 10/2 7 ANS 101y= 9510'Em = 6310 Au ly = 9510 tcm

2/4 Sharlike: @ = 14 6 cm = 1.5 10 = 8.410 7: 2015 11.1 721

5. 187 por gene 3000 60 201 130 50 130 50 130 50 PIRATAL DISTO STORES CAS PIRAS -> 1965 . OFE ?

(1)
$$d = \frac{l_{Au}}{e_0}$$

(1)
$$d = \frac{|Au|}{\Theta}$$
(2)
$$\Theta = 10^{3}$$
(3)
$$|d| = 10^{3} p_{C}$$
(4)
$$|d| = 10^{3} p_{C}$$

des = 1 Au = 1.5 1.3 m des = 380,000 km = 3.8 10 cm des = 390,000 km = 3.8 10 cm

150A d= 150A :11 = 500 = 2015 END : 4 SOAN :11 = 500 = 10 = 200 = 0120gc 20 .81024 430000 2000 102 22- 250610 (1) V= 47. [1.33.31.1015 cm] = 3.66977 1055 cm3 .: 27 (3) $M_0 = 2 10^{33} \text{gr}$ 1846 son (4) $M_{N} = 1.67 10^{-2} \text{ gr}$ $M_{N} = 1.67 10^{-2} \text{ gr}$ (5) $h = 32.6 \text{ cm}^{-3}$

5) = =, 100 = 100 y she prinsion

, proper motion , order yo Goods on -1 - 500 4 6 4/4 11 0=10.3" = (2) d = 1.33 pc 1" PC = 4.34810 rd . 3.1 10 2m = 15) V= 10.3 " 1.33 pc * 4.500 = 65.88 2m 32 (1) to=3.86% on some etc. We sois So Scen [2) 10pc. 30.86 lo sem south etc. We sois So Scen [1pc=3.086.60 sem