CHAPTER IV.

AHALYSIS OF DATA

The numbers of stars having more than 2, 3 --- dense prongs and soon, are listed in Table III. Comparision figures of star rates per number of prongs per star between east and west directions are shown in Table IV. and the results of Charcen Darmaphajija and Thawern Suttipongse (22) who exposed the plates in noth and south direction are also shown in this table. The plots of frequency distributions of stars with their prongs are shown in Fig. IV and V. having the peaks at 3-prong stors. The logarithmic plot of size distributions of star due to particles coming from the east and that coming from the went are shown in Fig. VI and VII respectively. The method of fitting the curves are obtained by the method of Least Square of Indices. (see Appendix II) The plot of the ratio of number of stars coming from the western direction to those coming from the eastern direction ogainst their prongs are shown in Fig. VIII.

Table III

The size distribution of stars form east and west positions.

No. of stars	N(> n) ± √n	No. of dense prong per star (n)
<u> East</u>	Went	
717 5 ± 85	610 6 ± 78	> 2
3695 ± 61	5150 ± 71.5	> 3
867 ± 19.5	2616 ± 51	> 4
163 ± 12.8	643 ± 25.3	> 5
113 <u>*</u> 10.3	123 ± 11.1	> 6
77 ± 8.7	69 ± 8.3	>7
47 ± 6.8	46 ± 6.8	> 8
33 ± 5.7	35 ± 5.9	> 9
24 ± 4.9	26 👲 5.1	> 10
13 ± 3.6	20 <u>+</u> 4-5	> 11
11 2 3.3	13 ± 3.6	> 12
4 ± 2.0	8 ± 2.8	> 13
2 2 1.4	4 ± 2.0	> 14

Comparision figures of star rates per number of prongs per star
. between north-south , east and west directions

Table IDI

No. of pronge	stars/c.c./day			West/Bast
	N-S	E	W	/ Baut
3	6.5 ± .3	7.7 ± .32	7.78 ± .37	1.01 ± .064
4	5.4 ± .3	5.16± .25	6.03 ± .33	1.17 ± .085
5	0.9 ± .1	0.76± .10	1.21 ± .15	1.59 ± .290
>2	12.9 ± 1.3	13.6 ± .42	14.9 ± .5	1.10 ± .03









