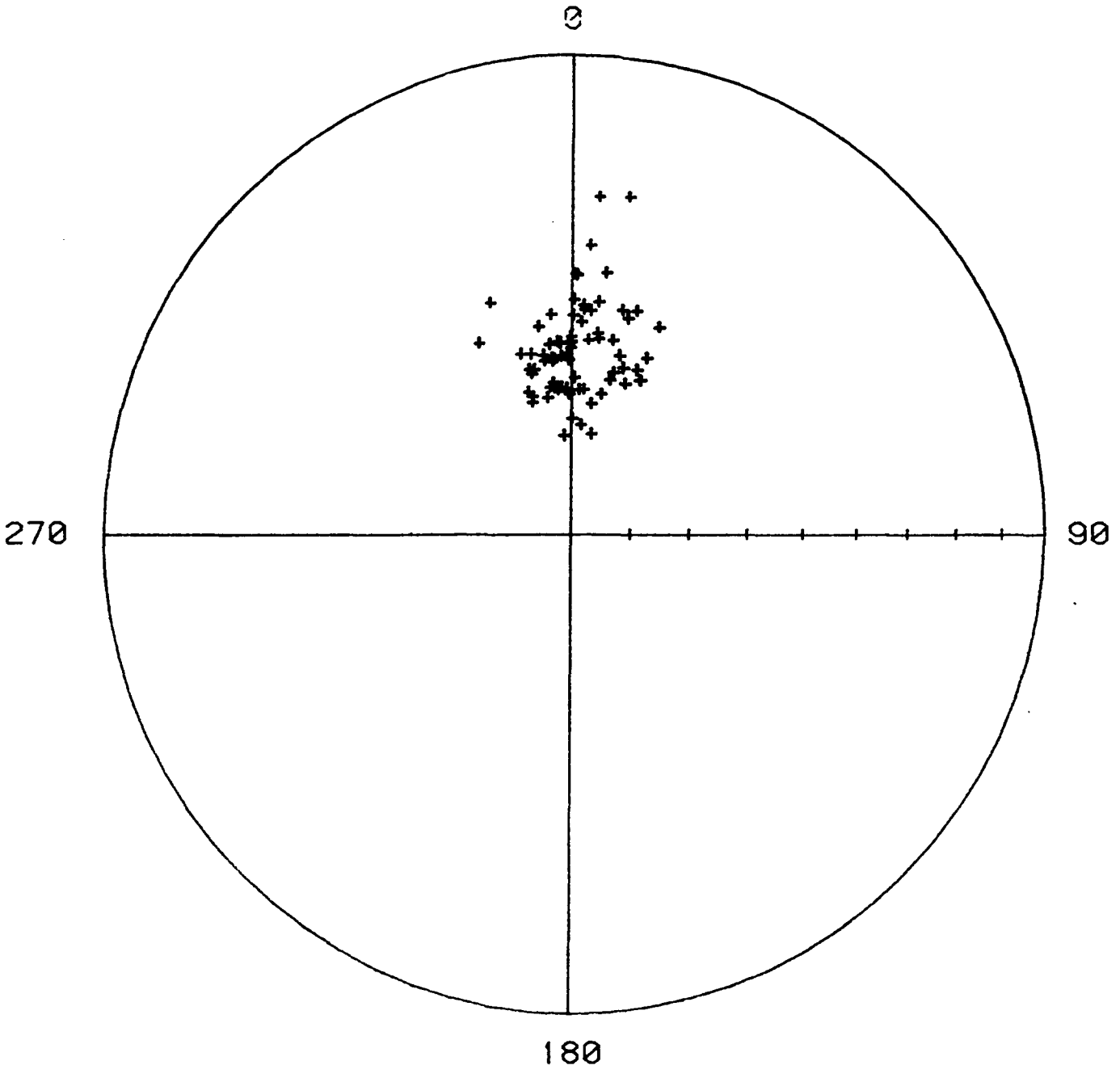
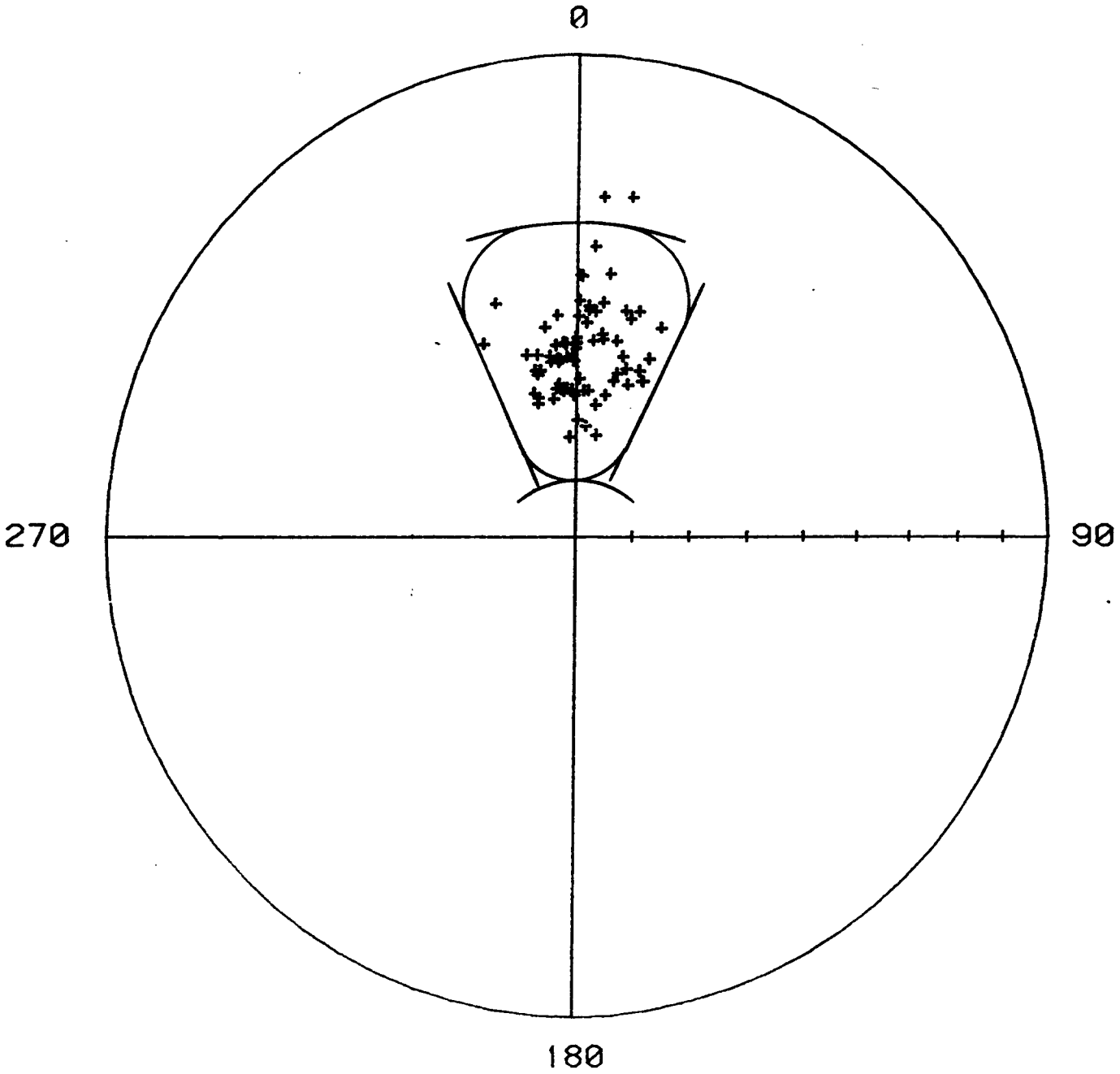
1. Equal area diagram of directions of remanent magnetization from 77 volcanic units thought to be Holocene (<10,000 years) in age. They demonstrate the dispersion in direction due to geomagnetic secular variation during this time period.

netic Directions - Western USA



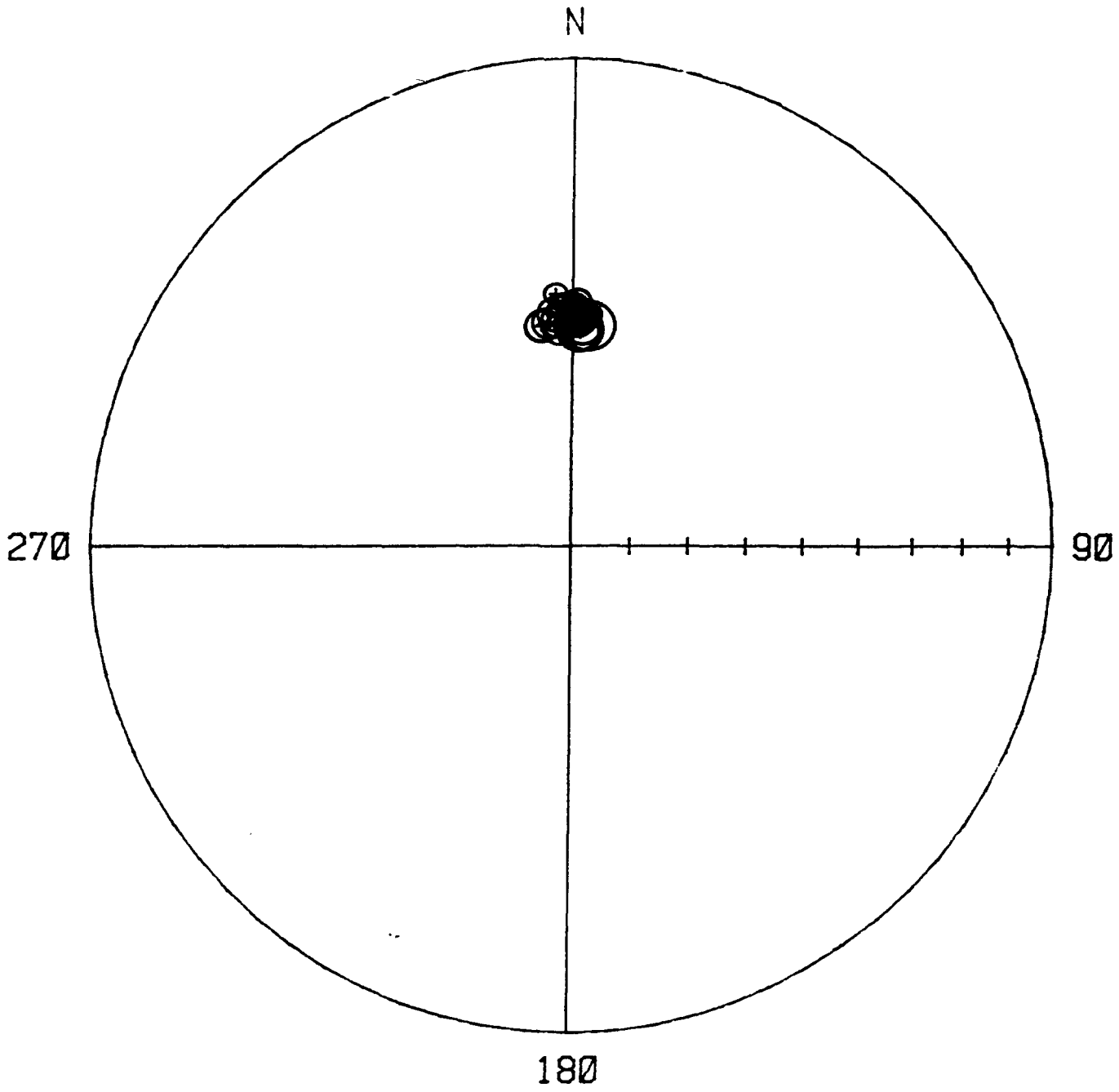
2. The same equal area diagram as the previous with added nominal boundaries of typical secular variation through time. They are ±25° in declination and inclination, then smoothed into a roughly triangular shape.

tic Directions - Western USA



3. Equal area diagram showing mean directions of remanent magnetization with enclosing circles of 95% confidence, from 26 outcrops of the Lathrop Wells volcanic center. These mean directions were taken in all the mapped geologic units of the volcanic center.

25-FEB-91 11:42:14 DCHAMPION



4. Equal area diagram showing mean directions of remanent magnetization with enclosing circles of 95% confidence, from 4 geologic units identified at the Lathrop Wells volcanic center. The geologic units are Qs5, Qs4, Ql3, and Qs1, as marked. Bounds of normal secular variation are shown.

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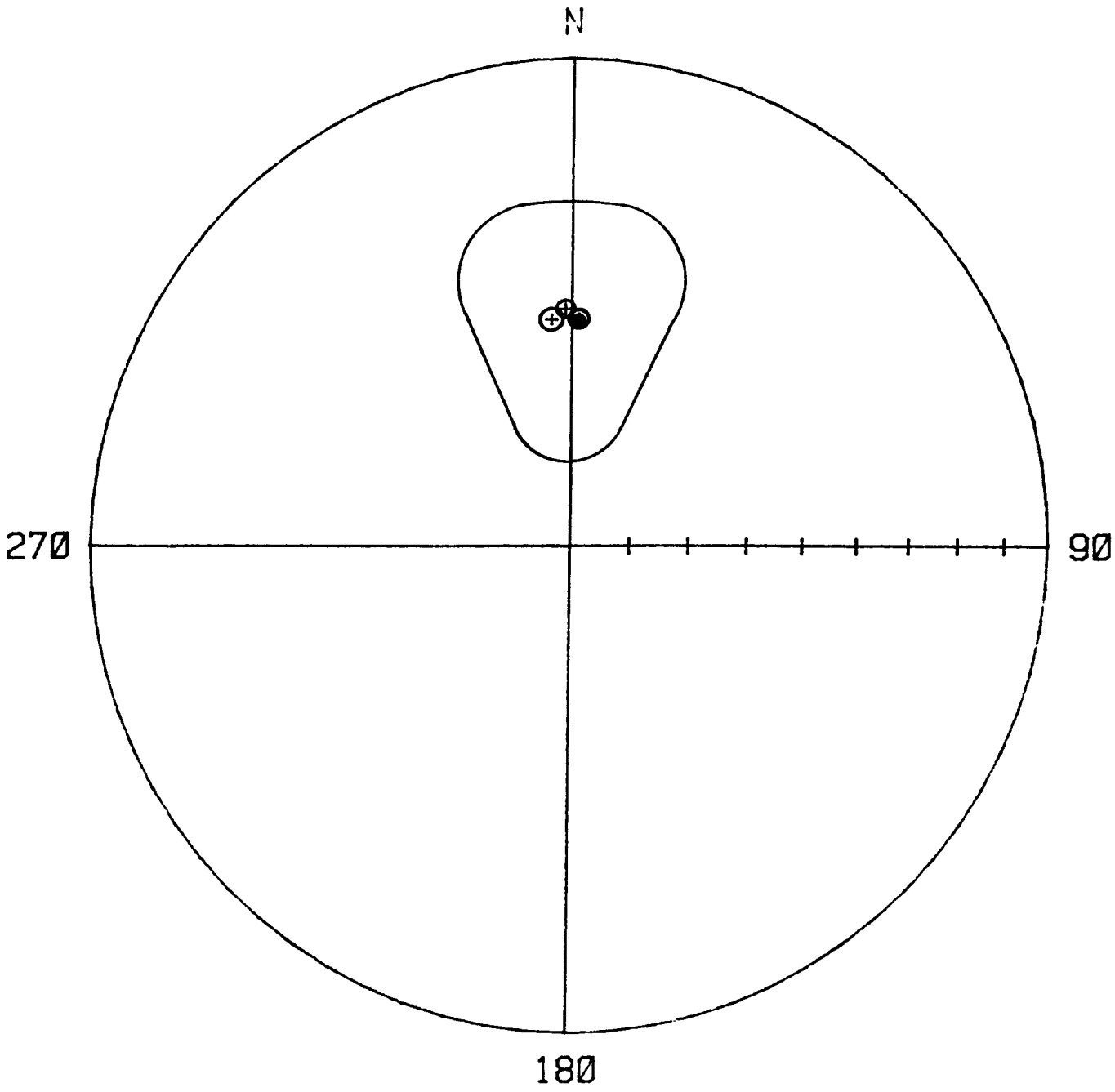
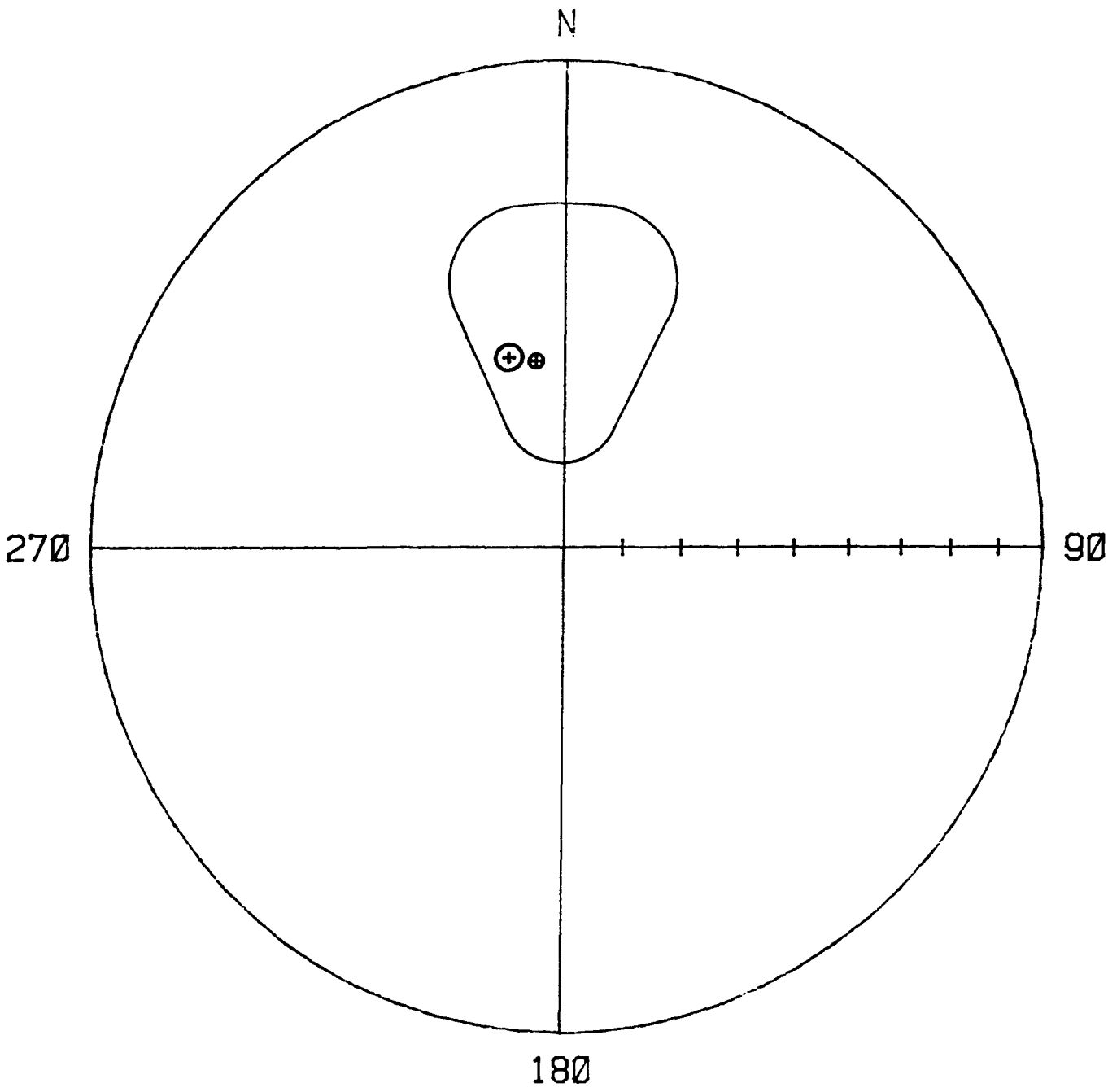


5. Equal area diagram showing mean directions of remanent magnetization with enclosing circles of 95% confidence, for the Little Black Peak and Hidden Cone volcanoes near Sleeping Butte. Bounds of normal secular variation are shown.

25-FEB-91 11:02:28 DCHAMPION



6. Geologic Map of the Crater Flat and Lathrop Wells areas, showing areas of young volcanism (<1.1 Ma) in a dark pattern.

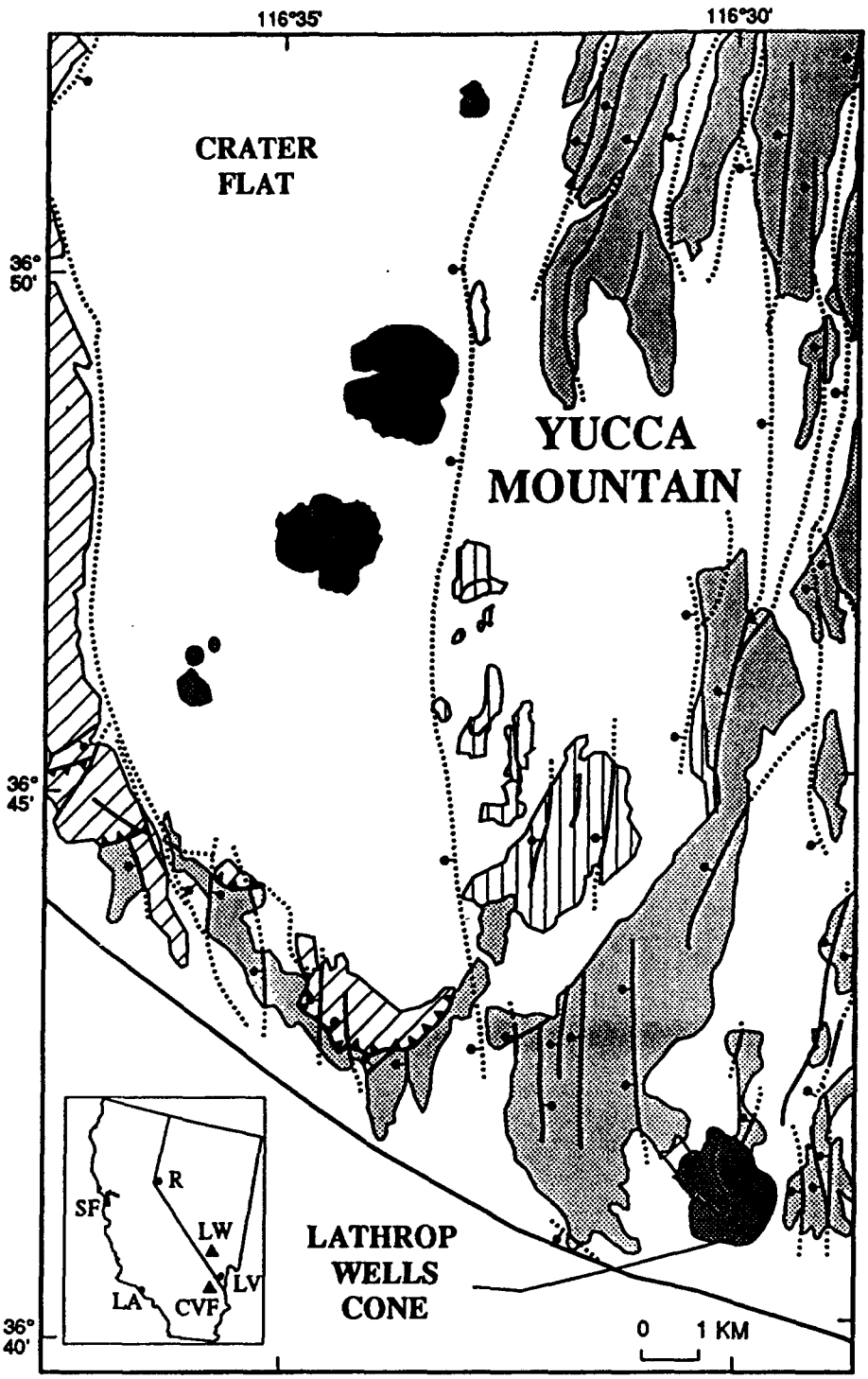
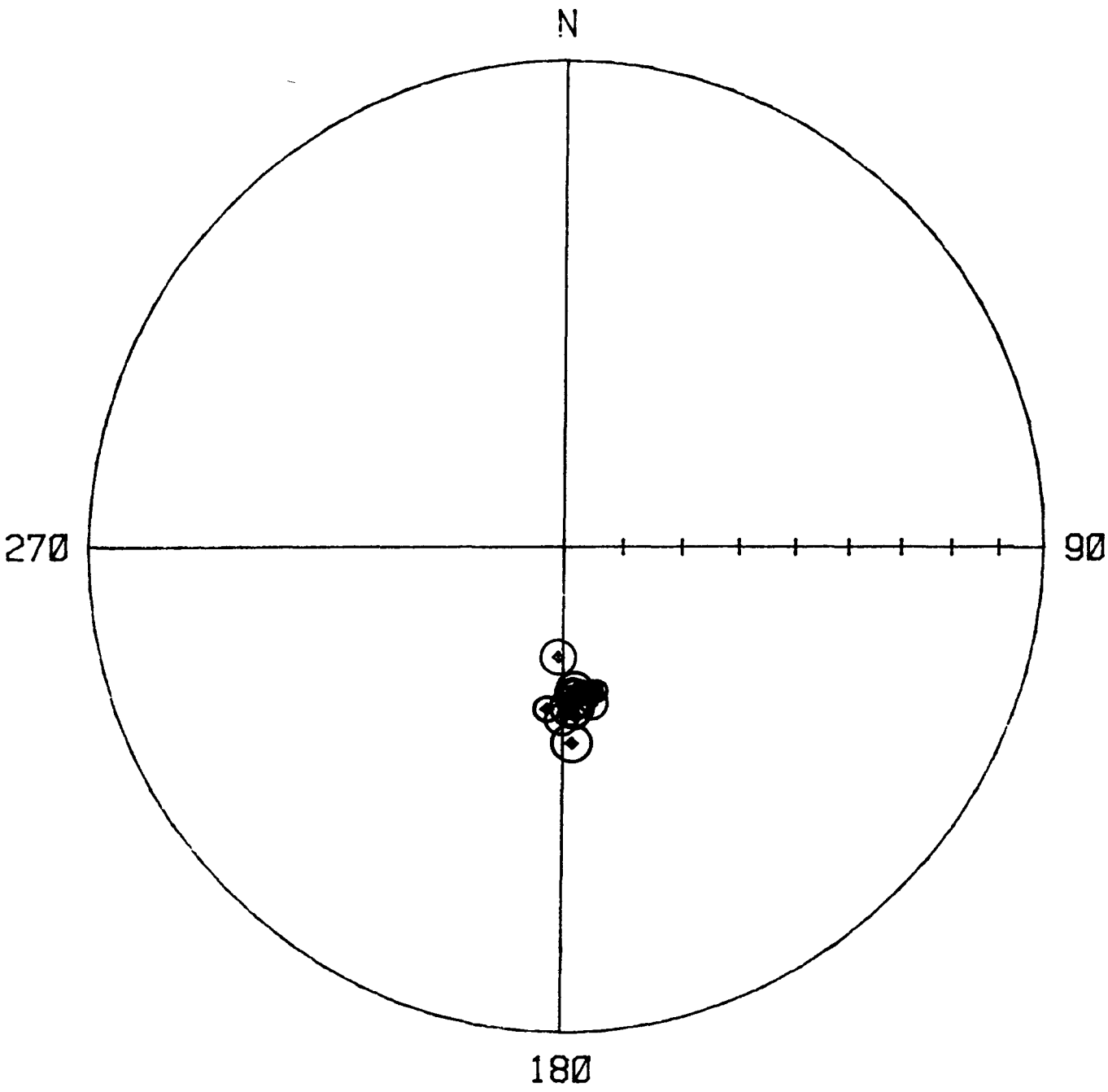

116°35'
116°30'
CRATER
FLAT
YUCCA
MOUNTAIN
36°
50'
36°
45'
36°
40'
LATHROP
WELLS
CONE
0 1 KM
R
SF
LW
LV
LA
CVF

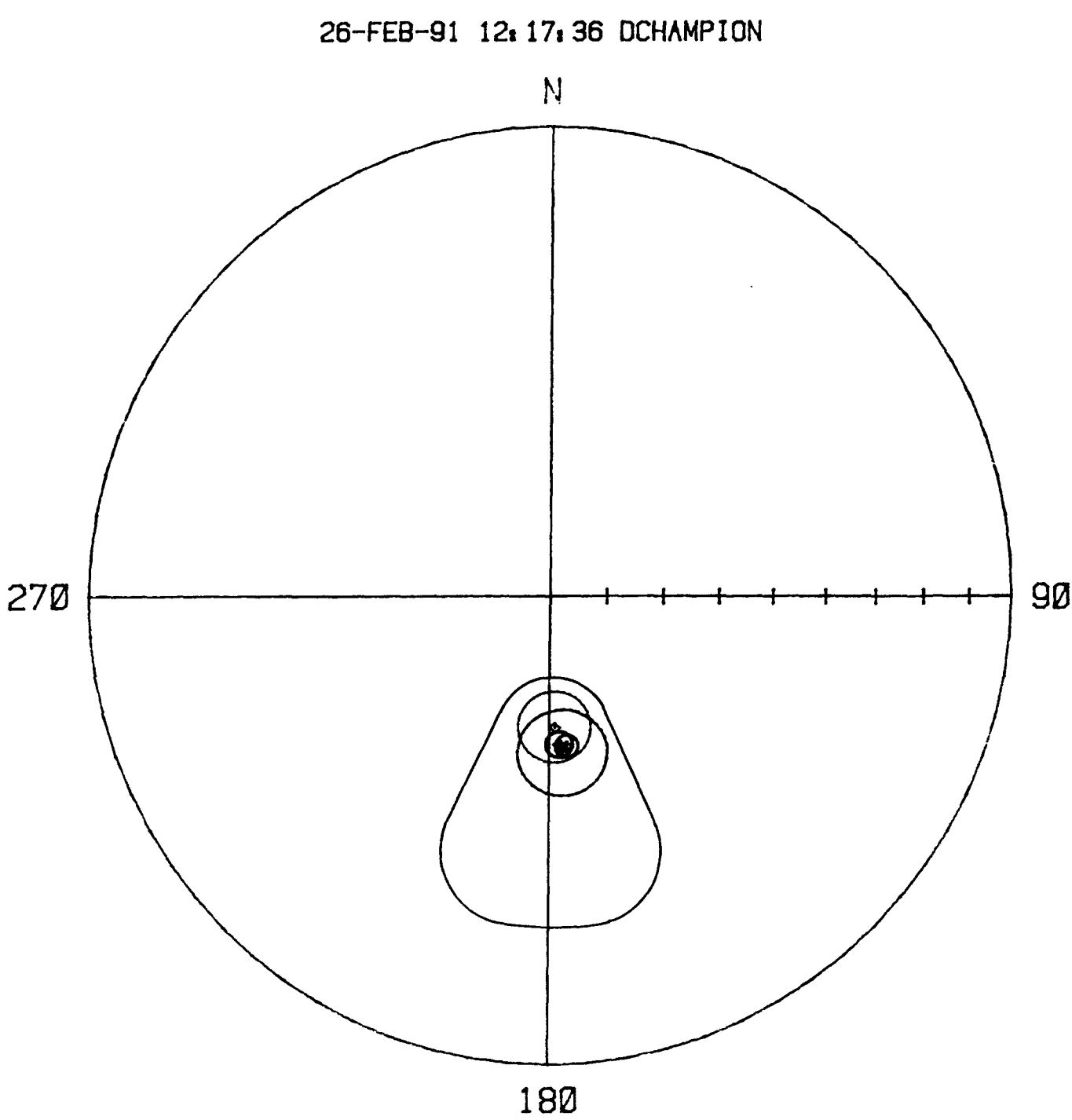
fig 1

7. Equal area diagram showing mean directions of remanent magnetization with enclosing circles of 95% confidence, from 20 outcrops in the 1.1 Ma volcanic centers of Crater Flat. Units plot on the upper hemisphere for these reversed polarity samples, unlike all previous equal area plots.

26-FEB-91 12:03:28 DCHAMPION



8. Equal area diagram showing mean directions of remanent magnetization with enclosing circles of 95% confidence, from the four principal 1.1 Ma volcanic centers of Crater Flat. Bounds of reversed polarity secular variation are shown.


26-FEB-91 12:17:36 DCHAMPION
N
270
90
180

9. Reproduction of figure 10 from Wood's (1980) paper on the morphology of cinder cones. Figure shows cumulative percent as a function of eruption duration for 42 historic eruptions.

plus flows) lasting 30—40 days have built cones with volumes ranging iron
0.1 to 450 X 10^6 m^3.

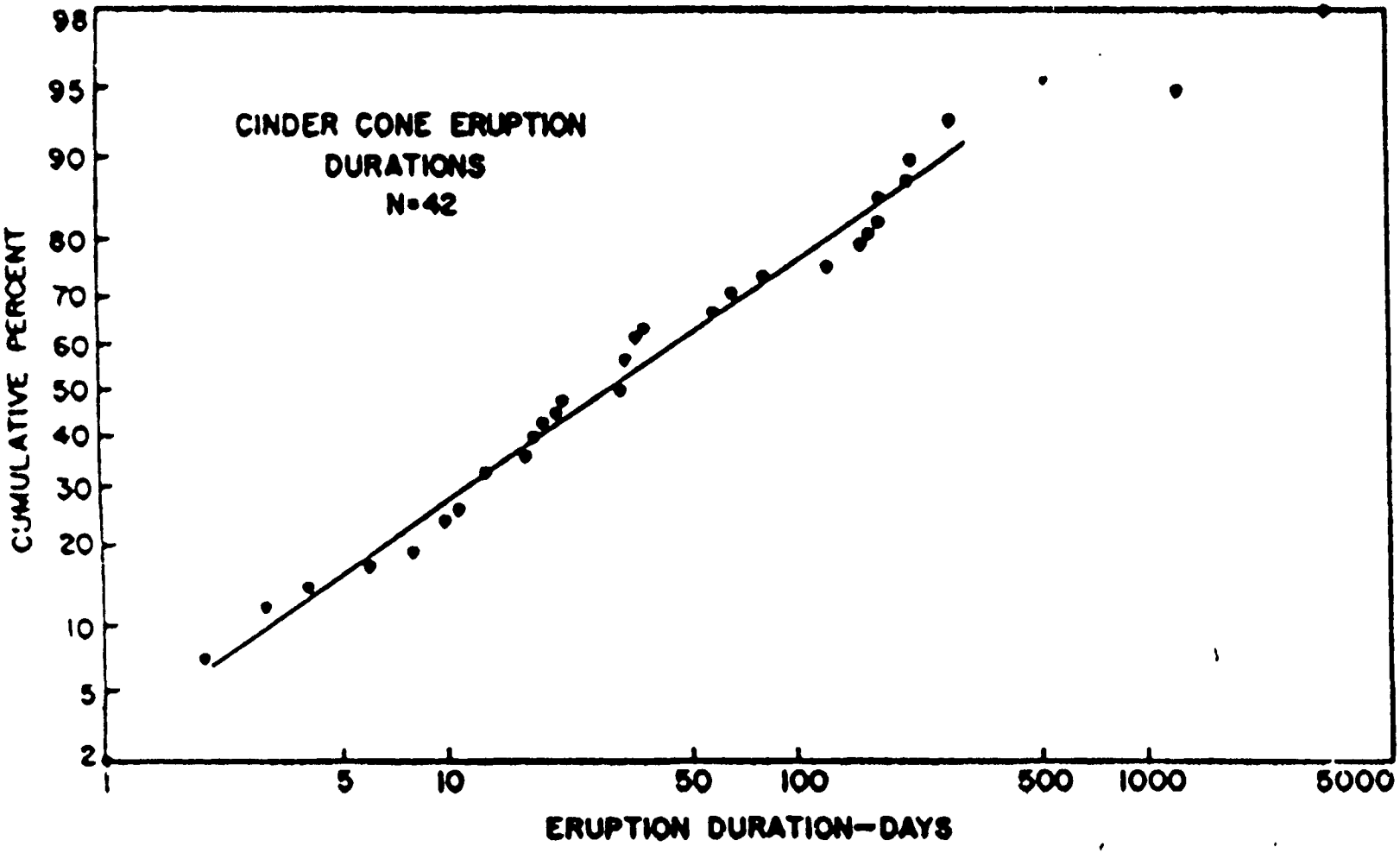


Fig. 10. Cumulative frequency diagram for durations of eruptions producing cinder co
The median eruption length (for cone plus late-stage flows) is about 30 days.