

## II. SYNOPTIC CHARTS OF SOLAR MAGNETIC FIELDS

### Mount Wilson Observatory

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The gauss levels are  $\pm 5$ ,  $\pm 10$ ,  $\pm 20$ ,  $\pm 40$ ,  $\pm 80$  gauss. Corrections are made to compensate for limb darkening or any other decrease in the brightness of the signal, but no corrections are made for possible geometrical effects such as the inclination of the line of sight to the lines of force at high latitudes.

Positions are generally accurate to about 15 arc seconds. Naturally there is some smearing of the data at high latitudes because of the geometry of the situation. Data greater than  $40^\circ$  from central meridian should be treated with some caution. Serious inaccuracies of fit at the boundary between two day's observations are normally due to rapid growth of a region.

Partial support for the observation and reduction of this material comes from the U.S. Office of Naval Research through Contract No. N00014-66-C-0239.

ROBERT HOWARD

2.1.70

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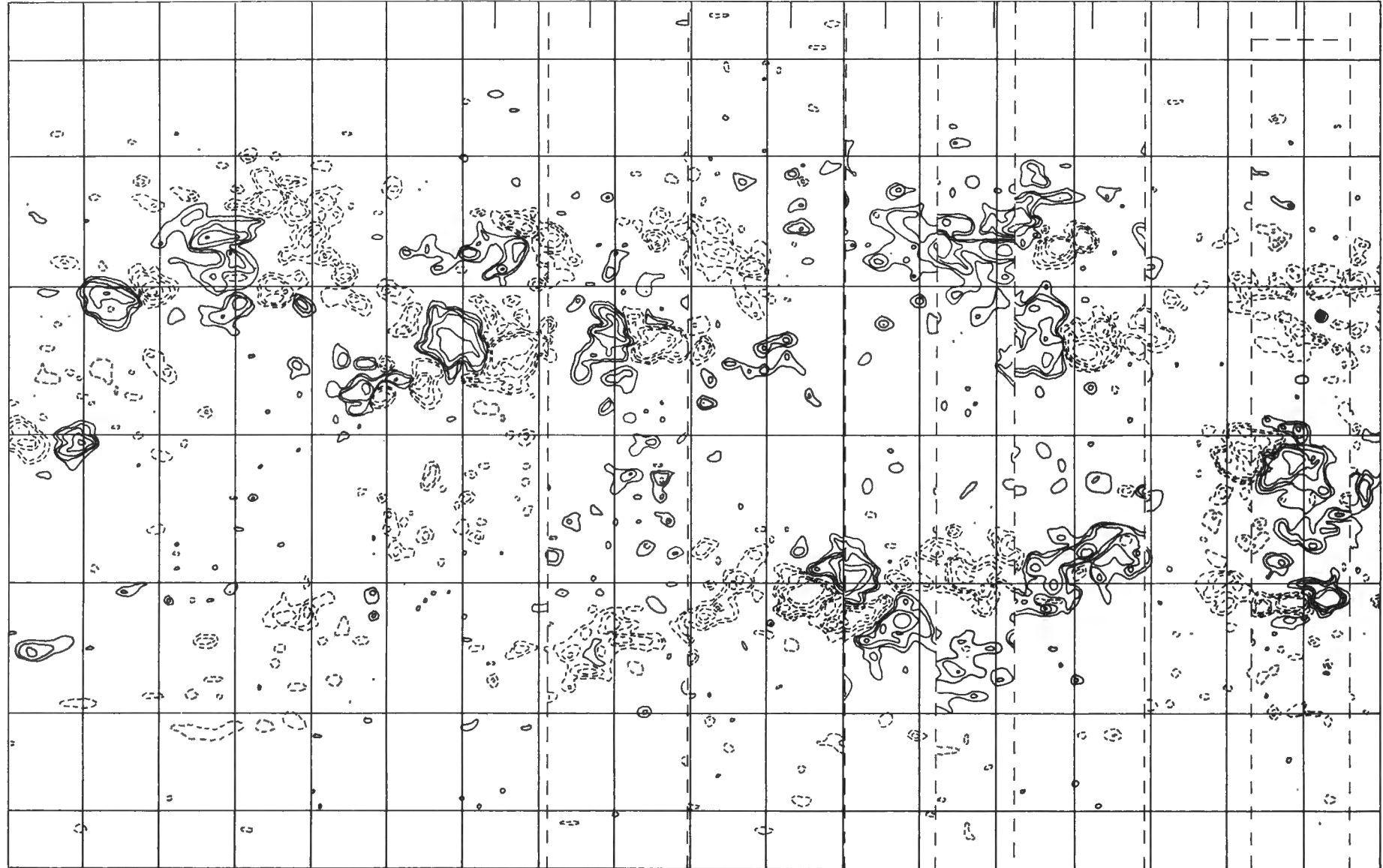
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28.12

27.12

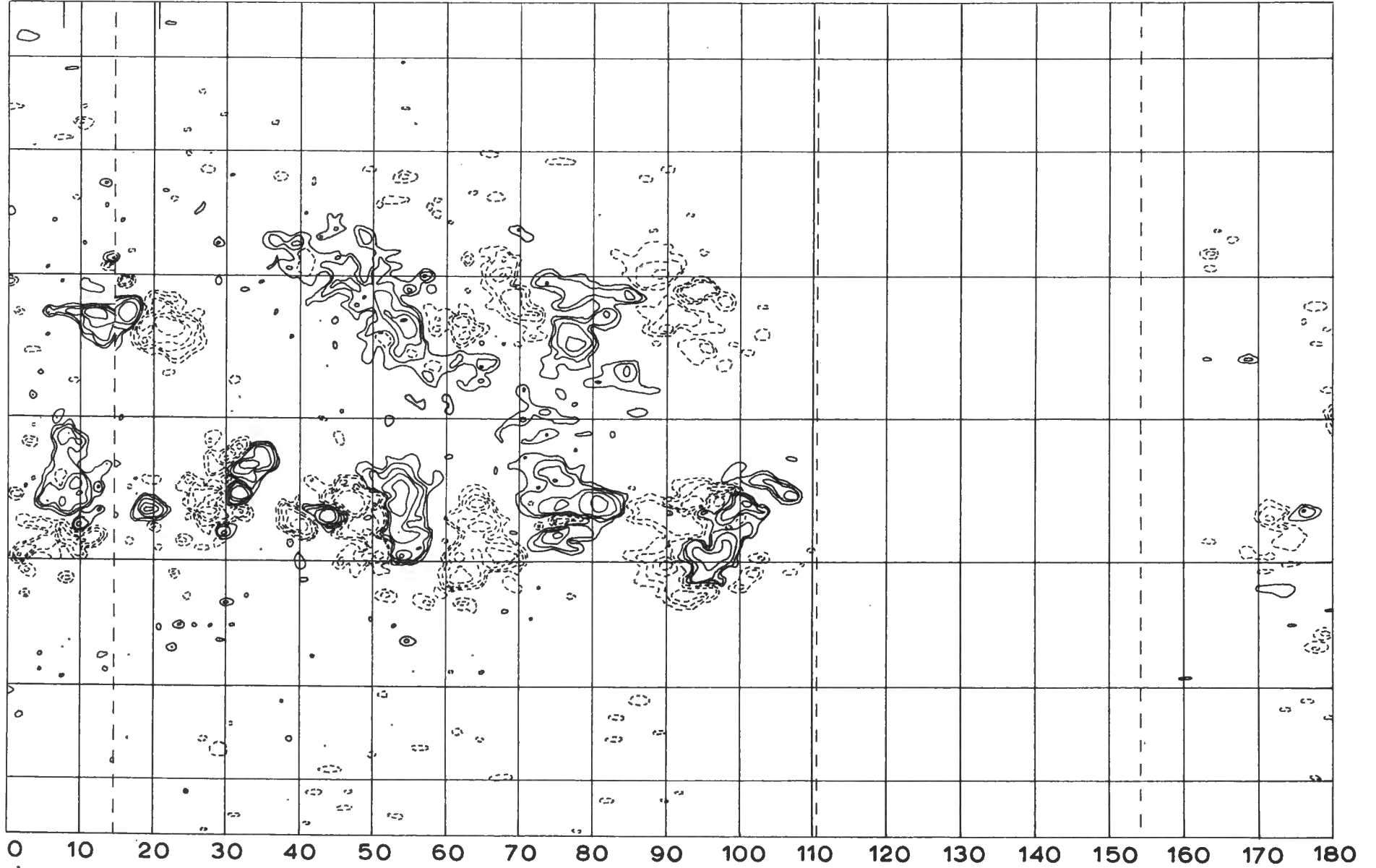
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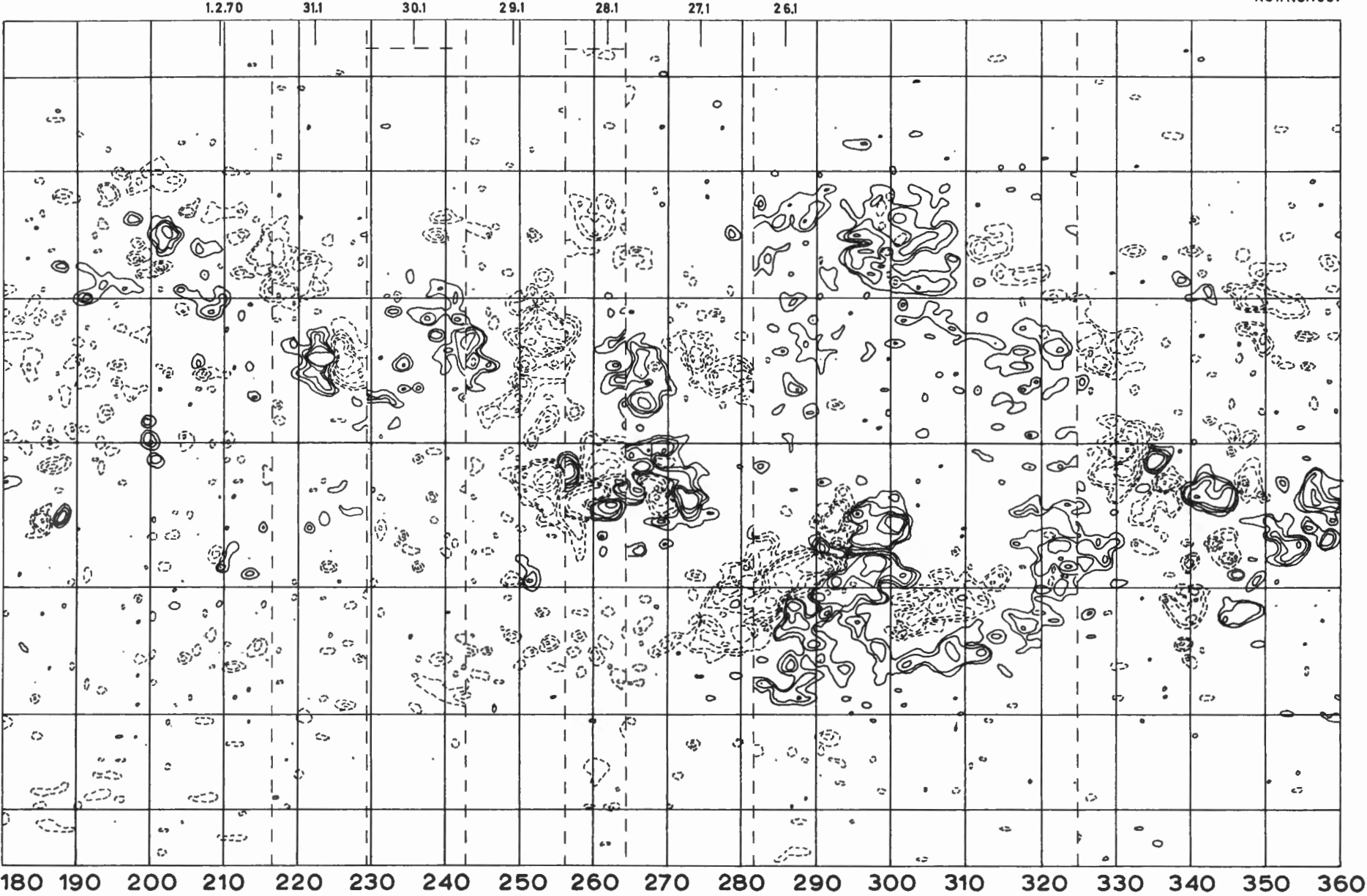


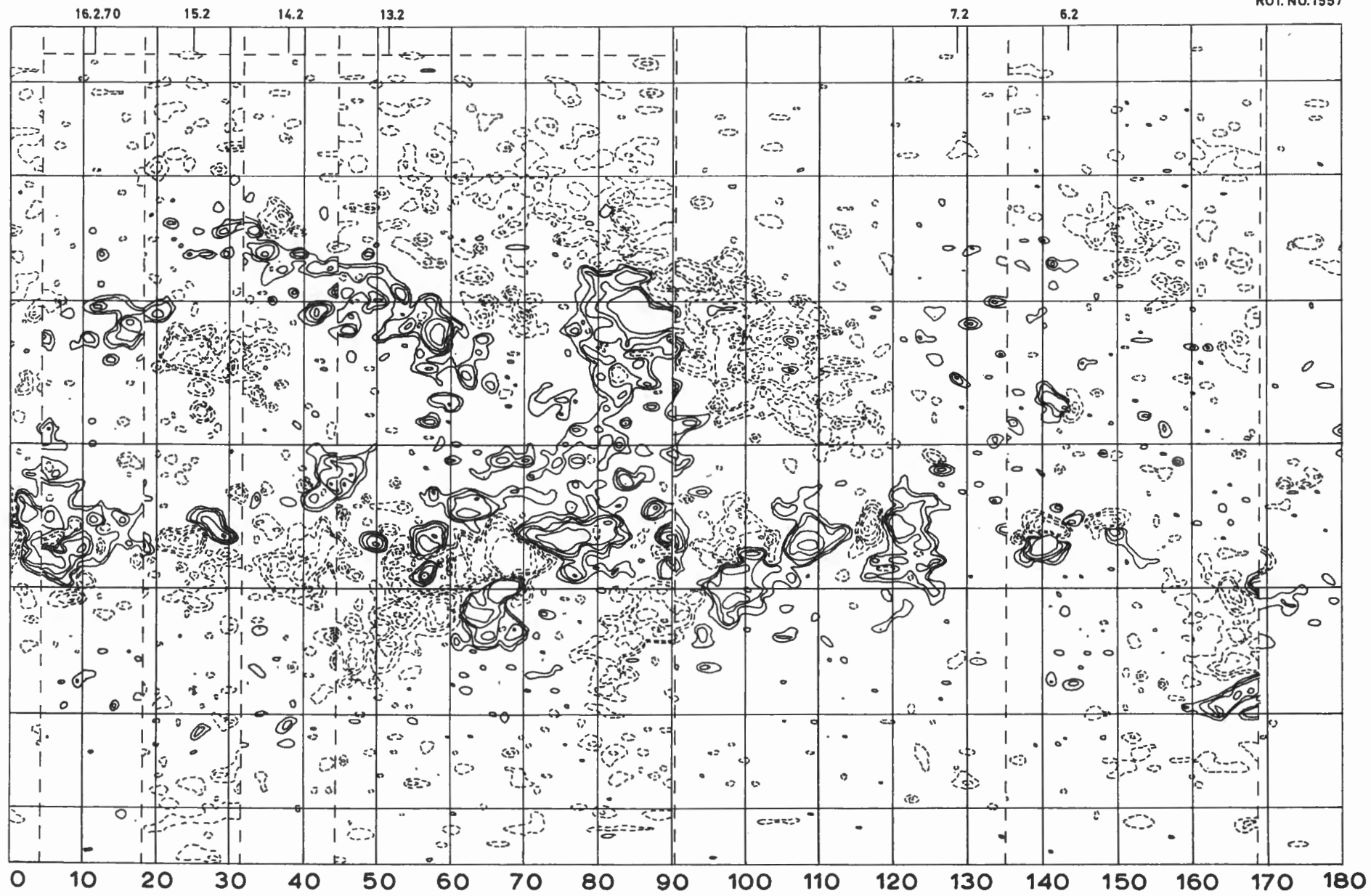
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19.1







26.2.70

25.2

24.2

23.2

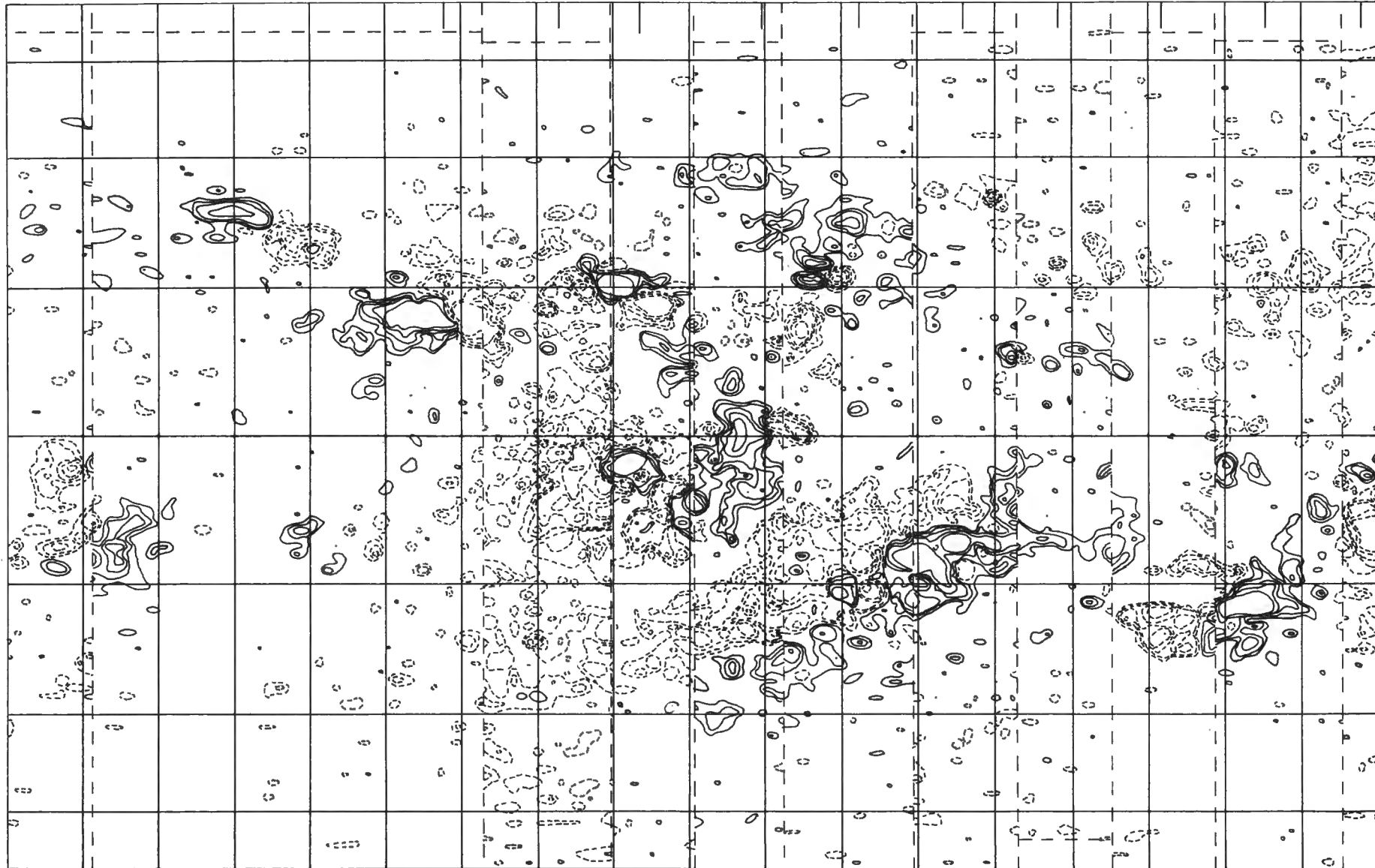
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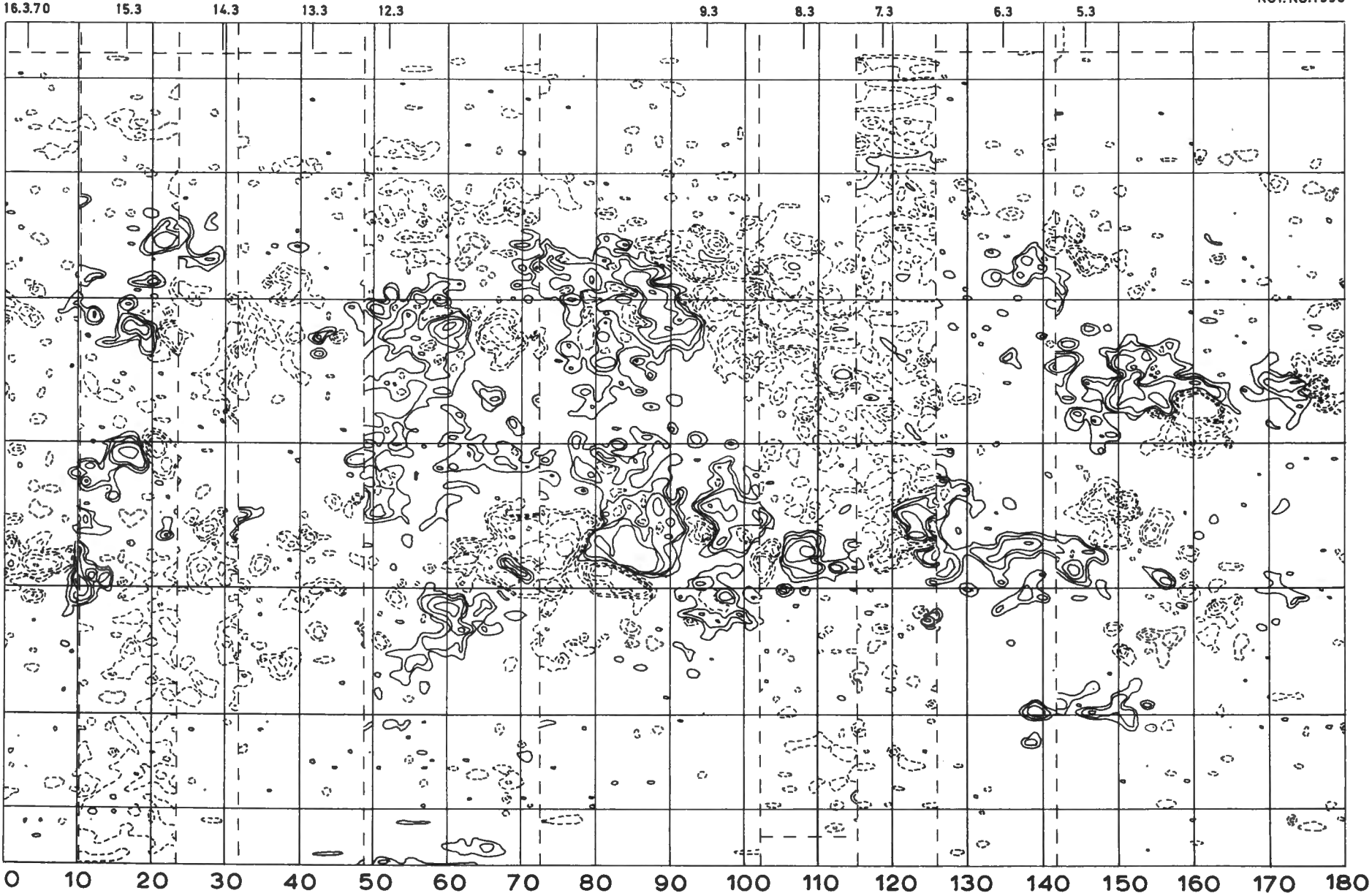
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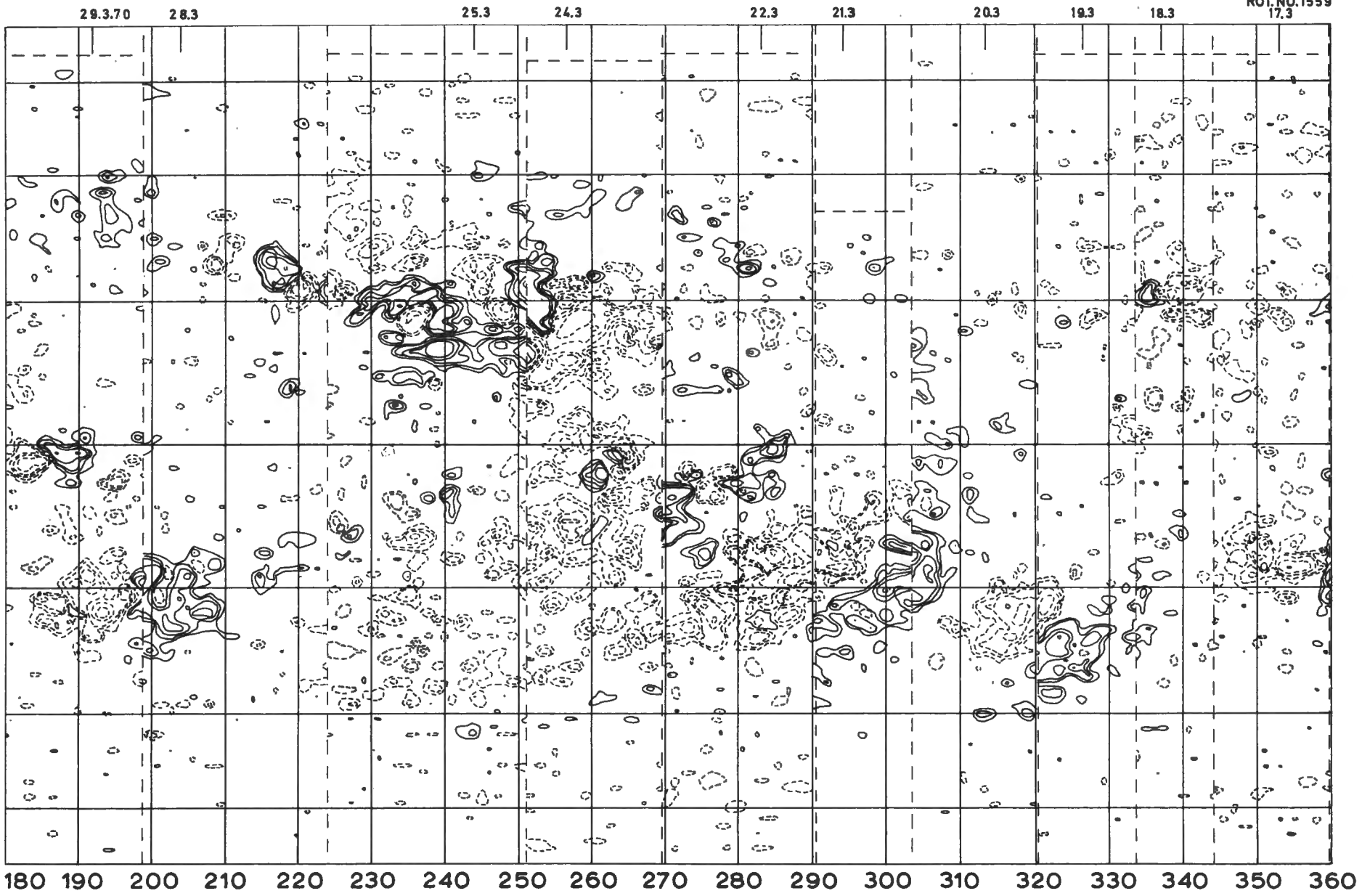
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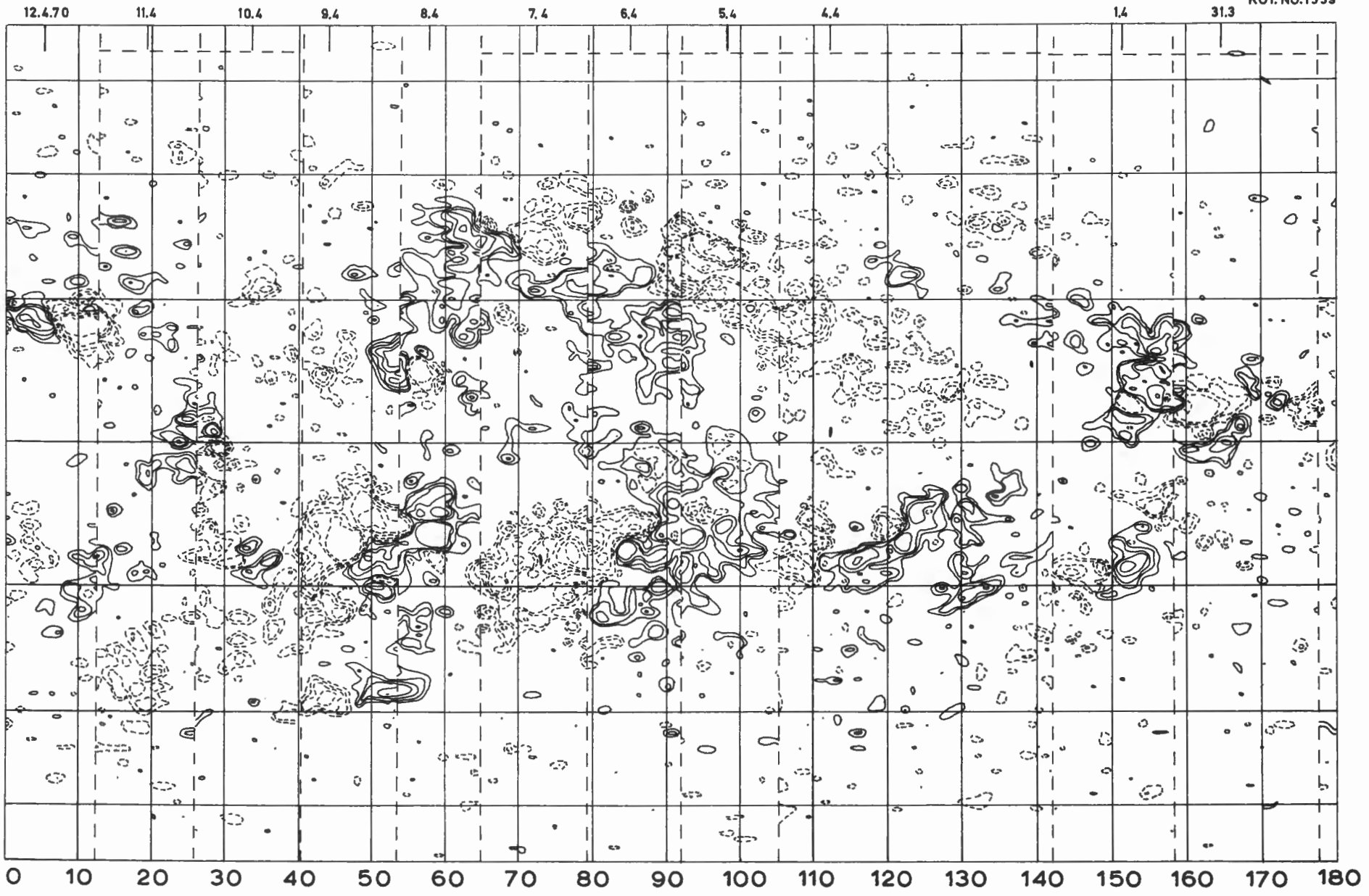
18.2











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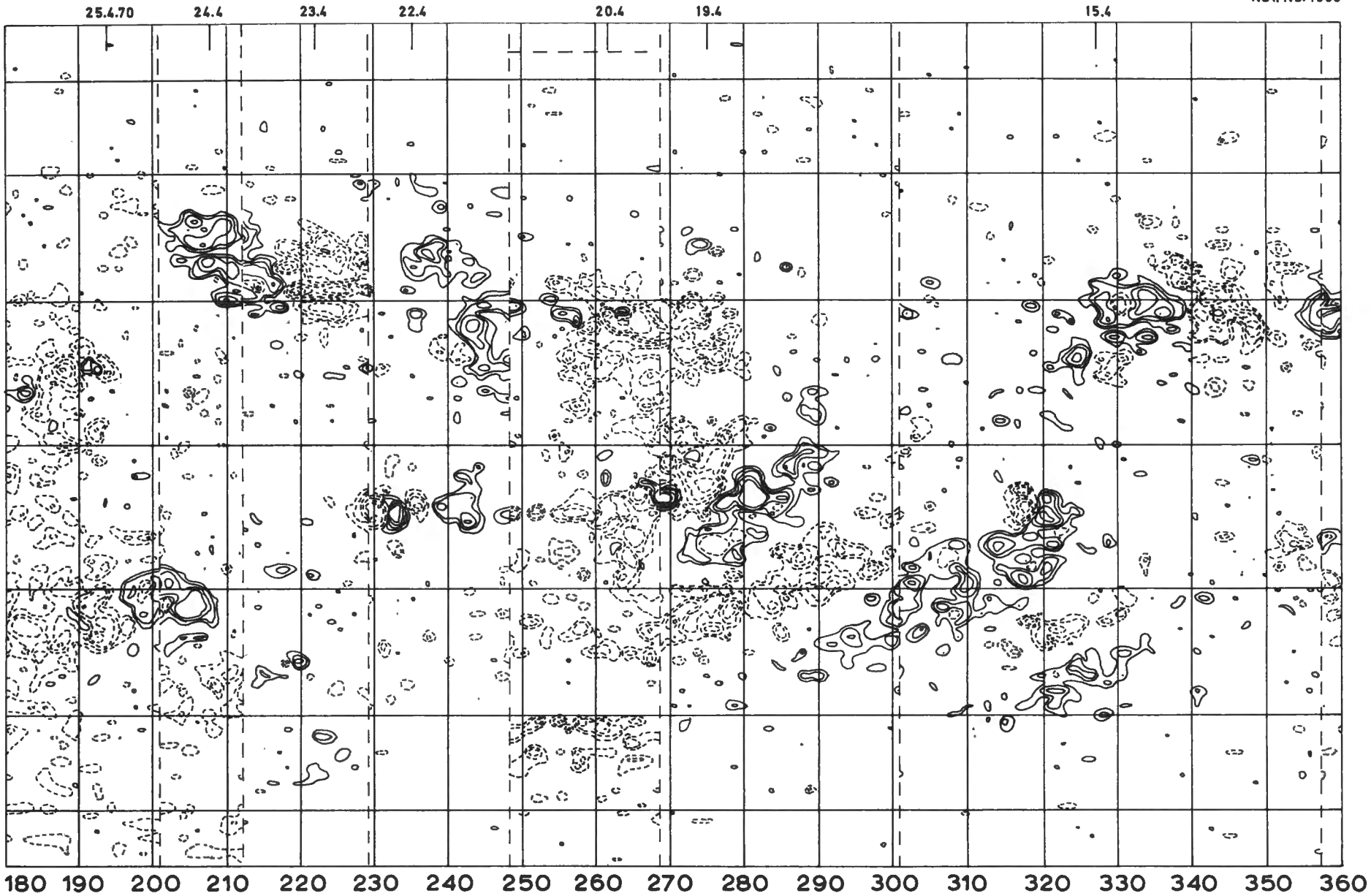
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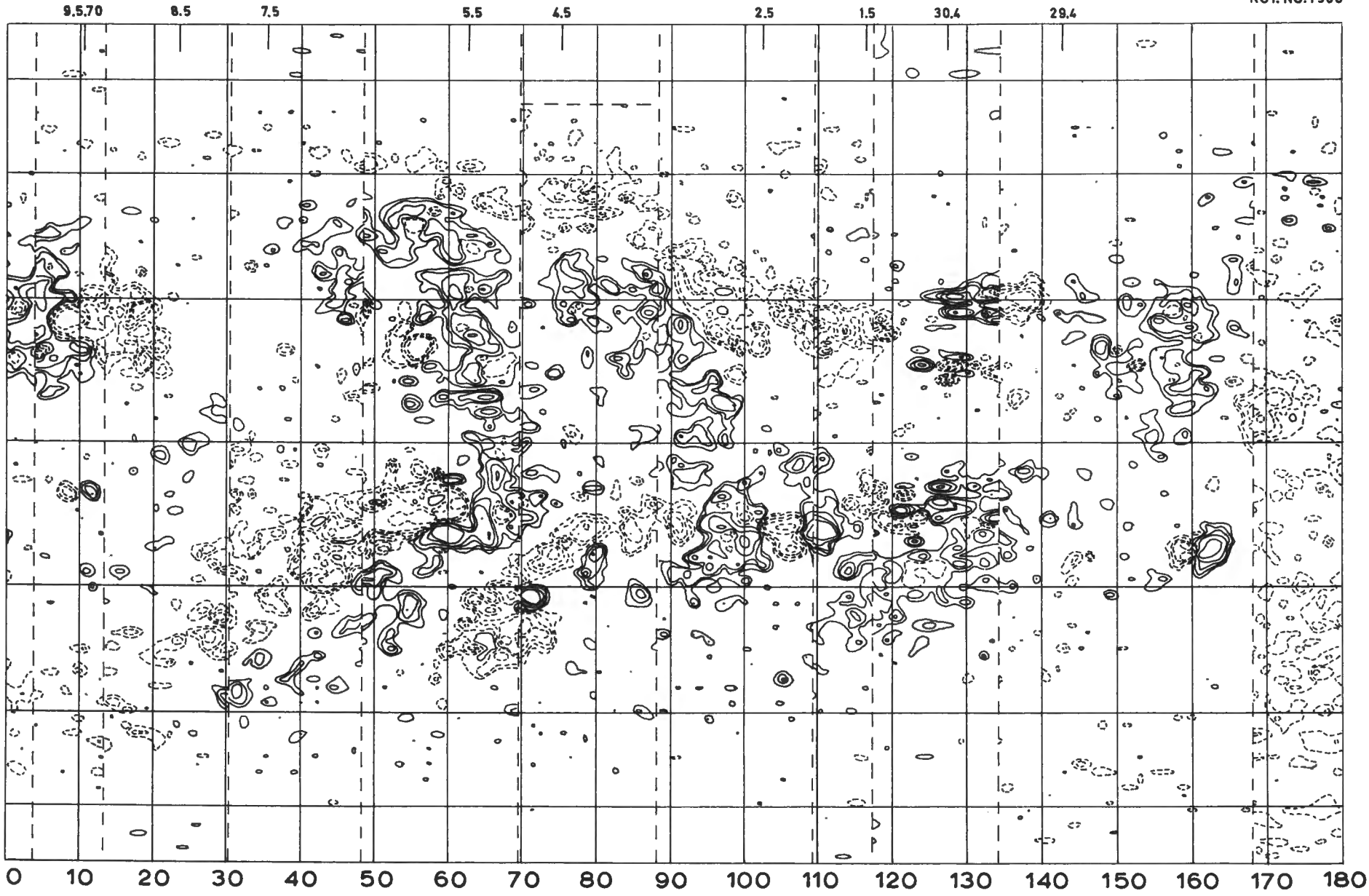
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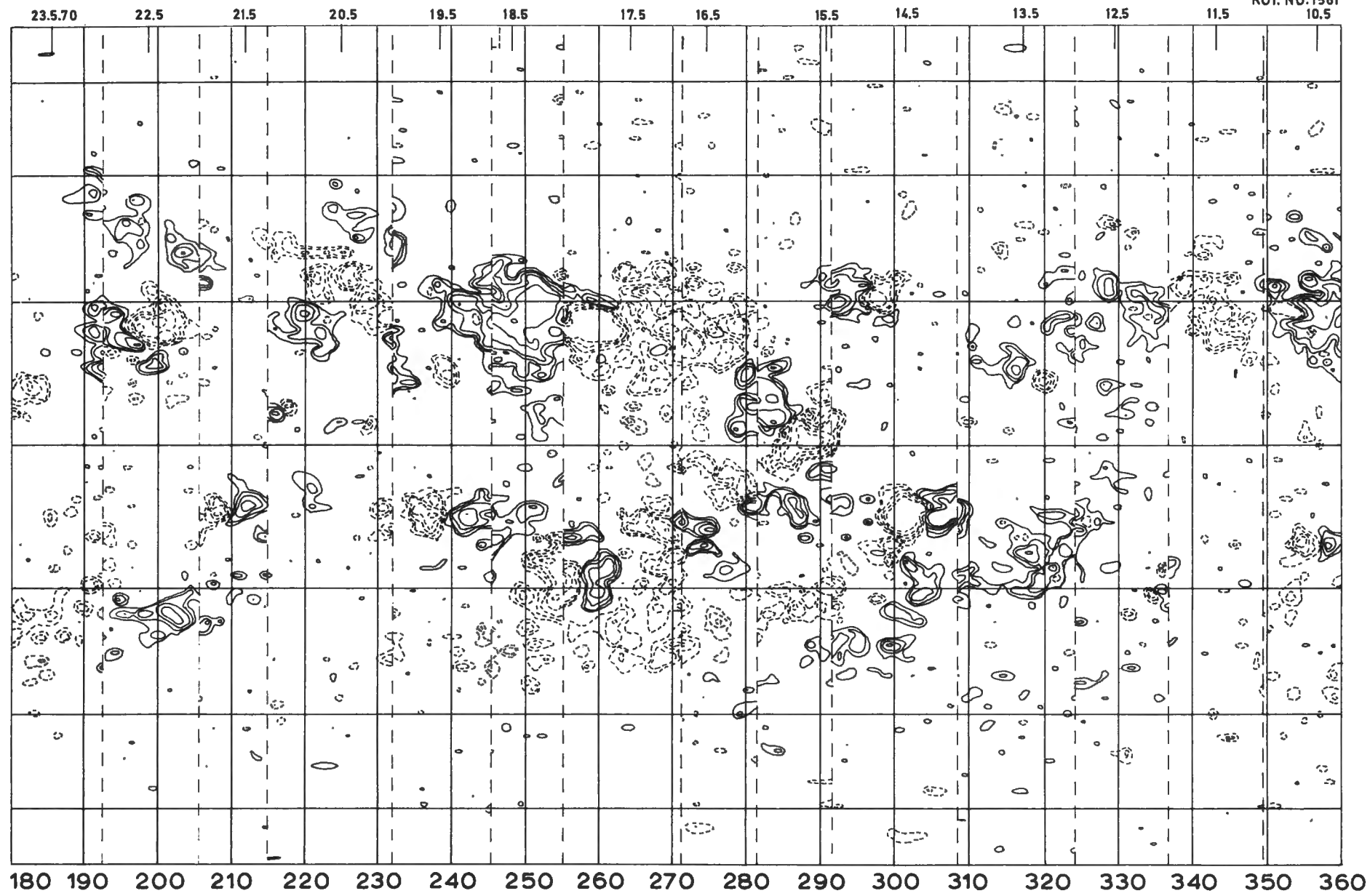
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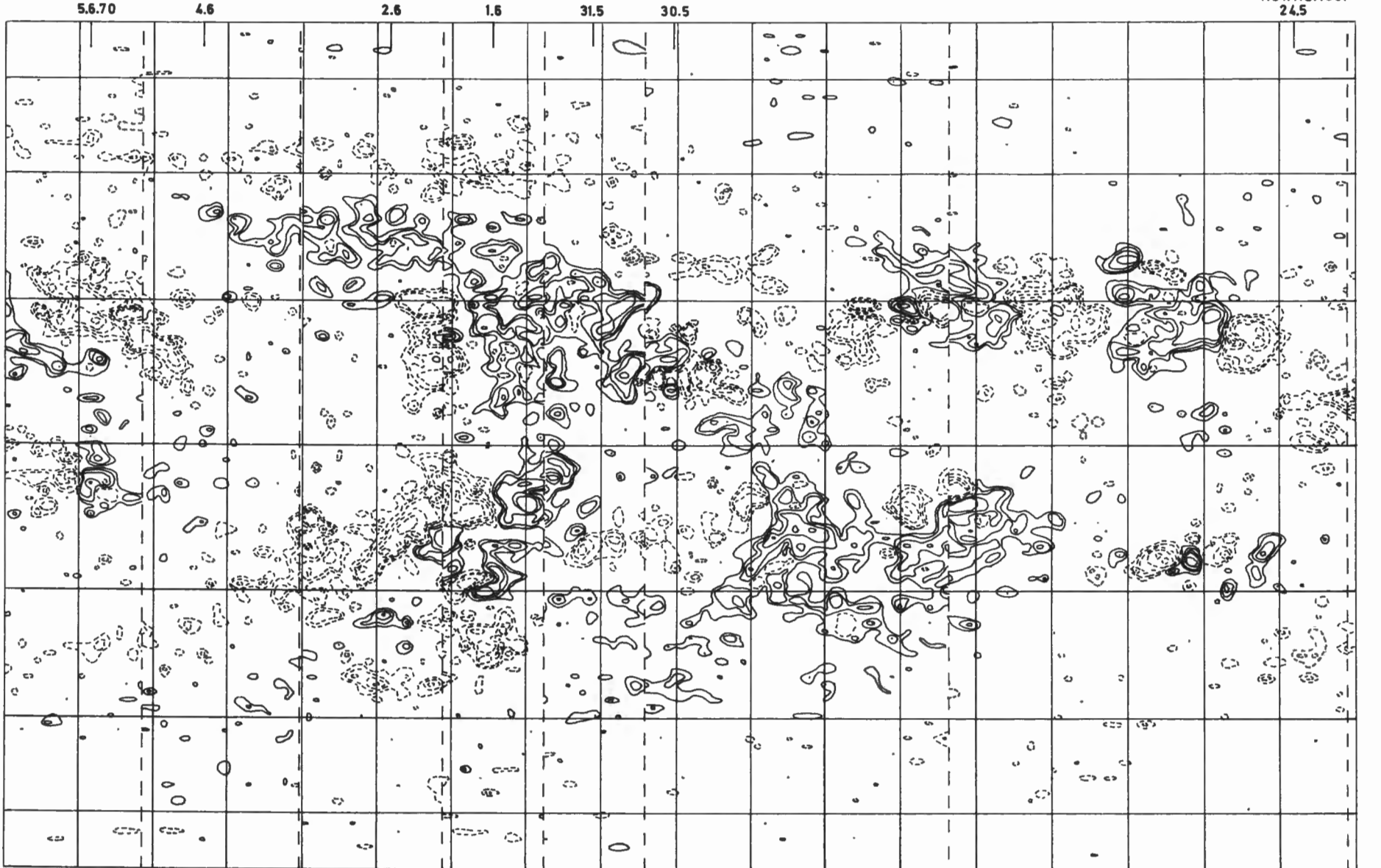
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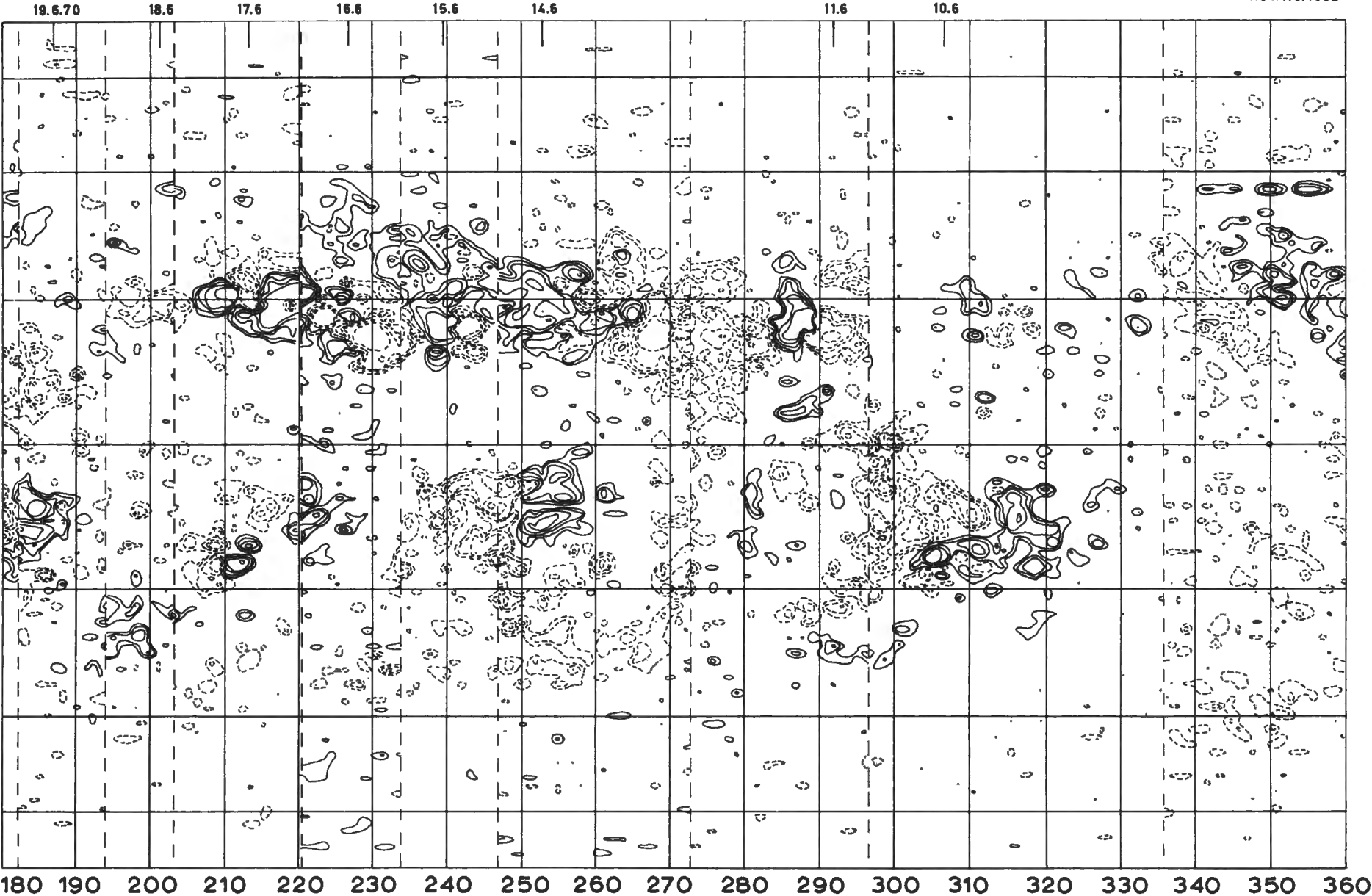




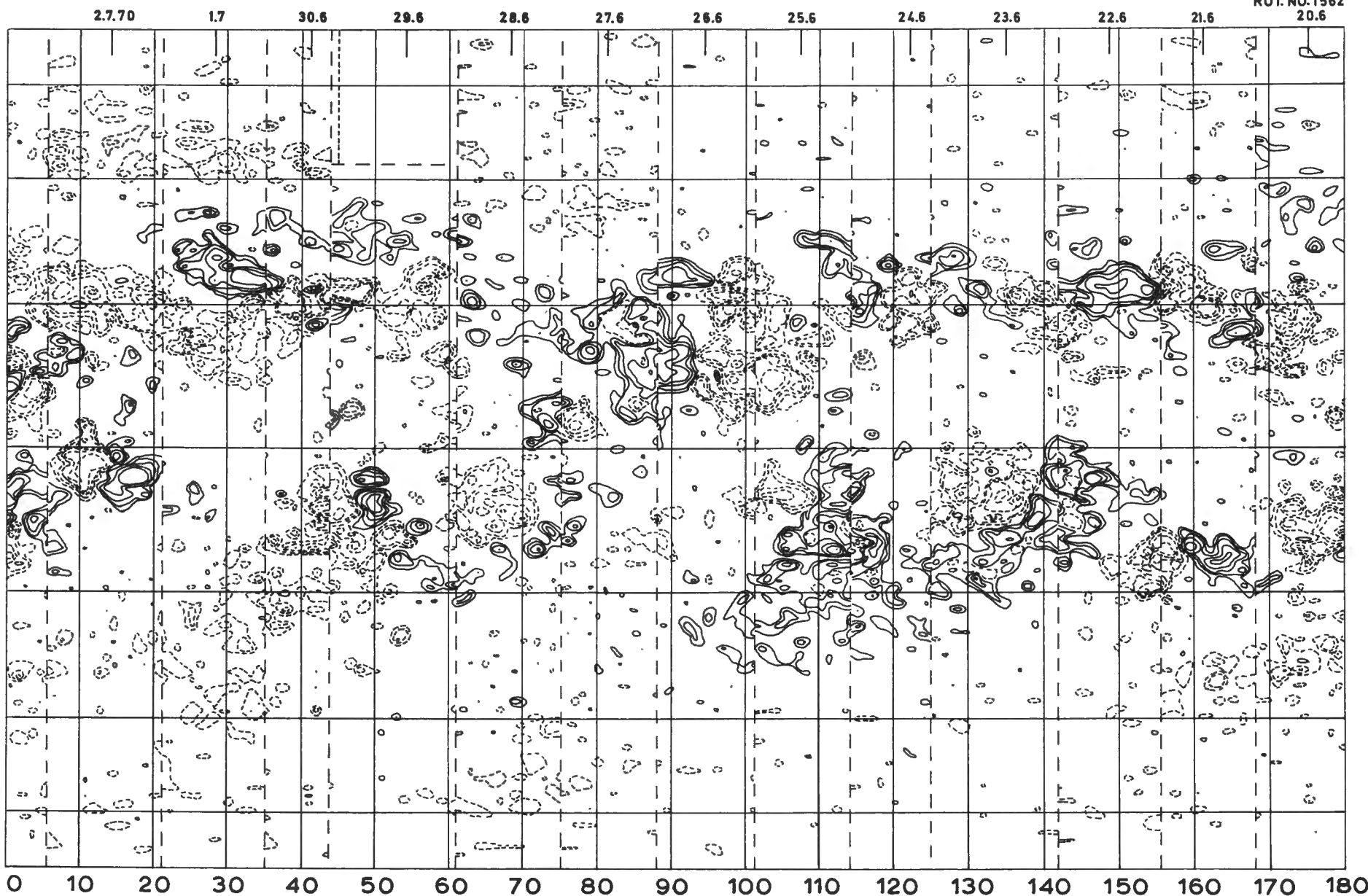




0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180









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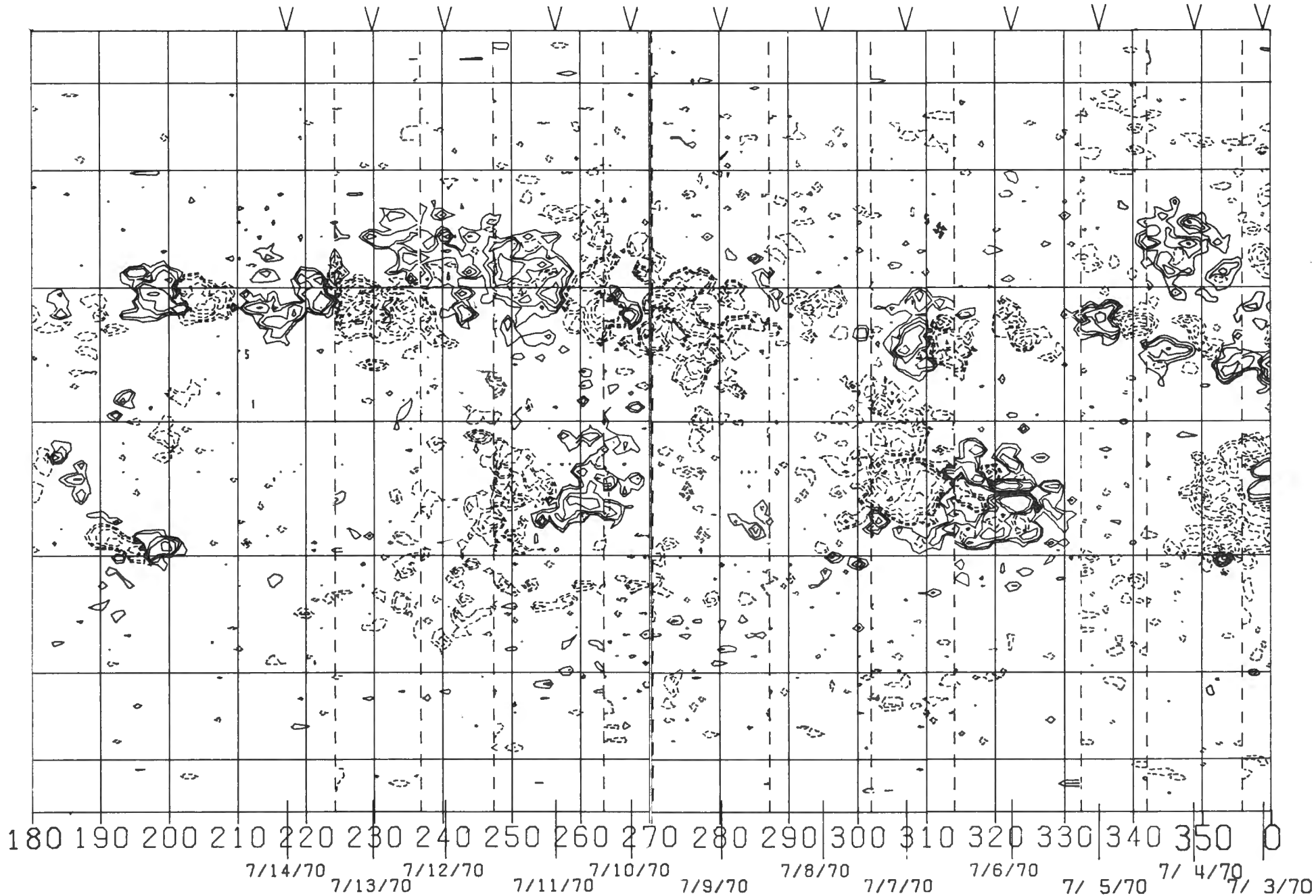
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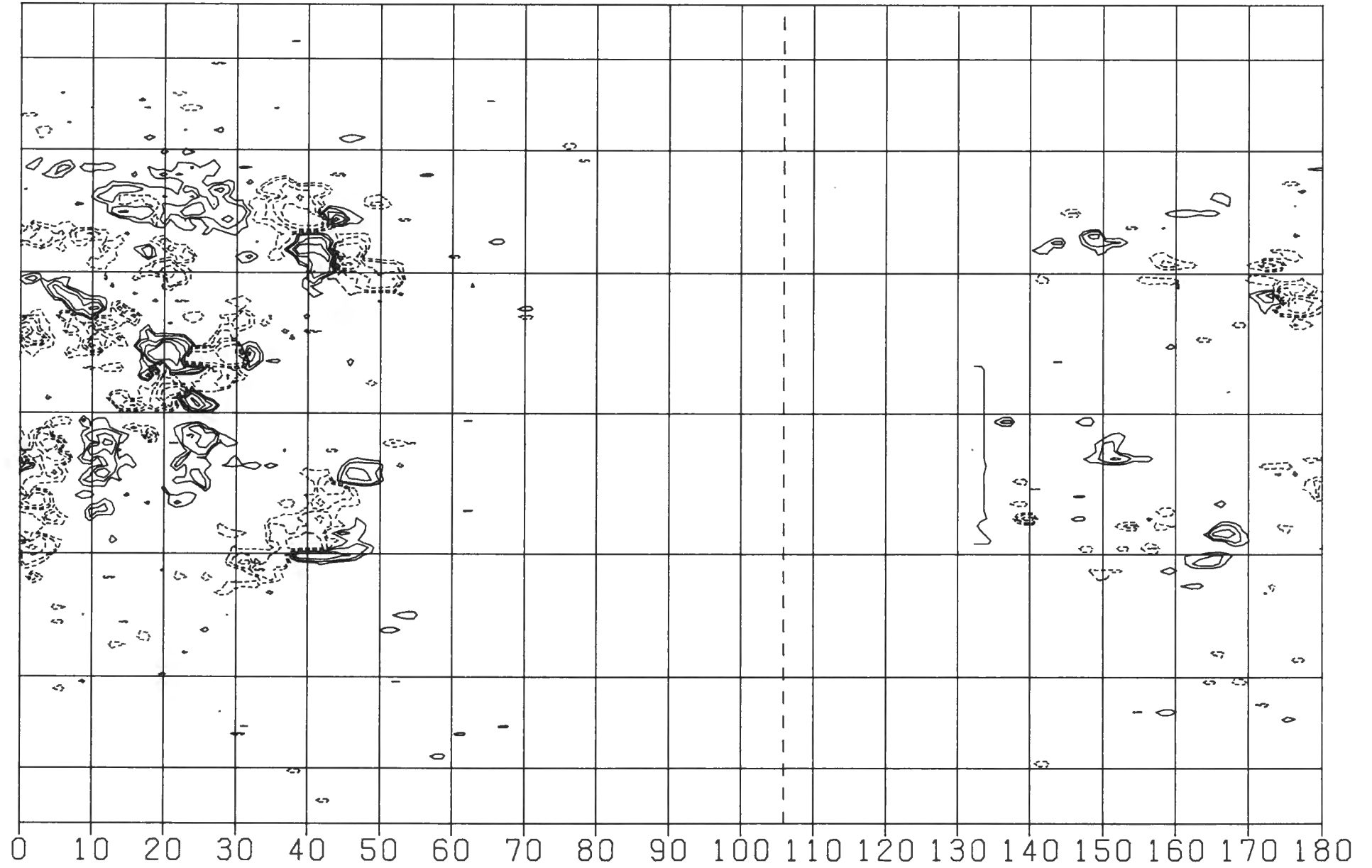
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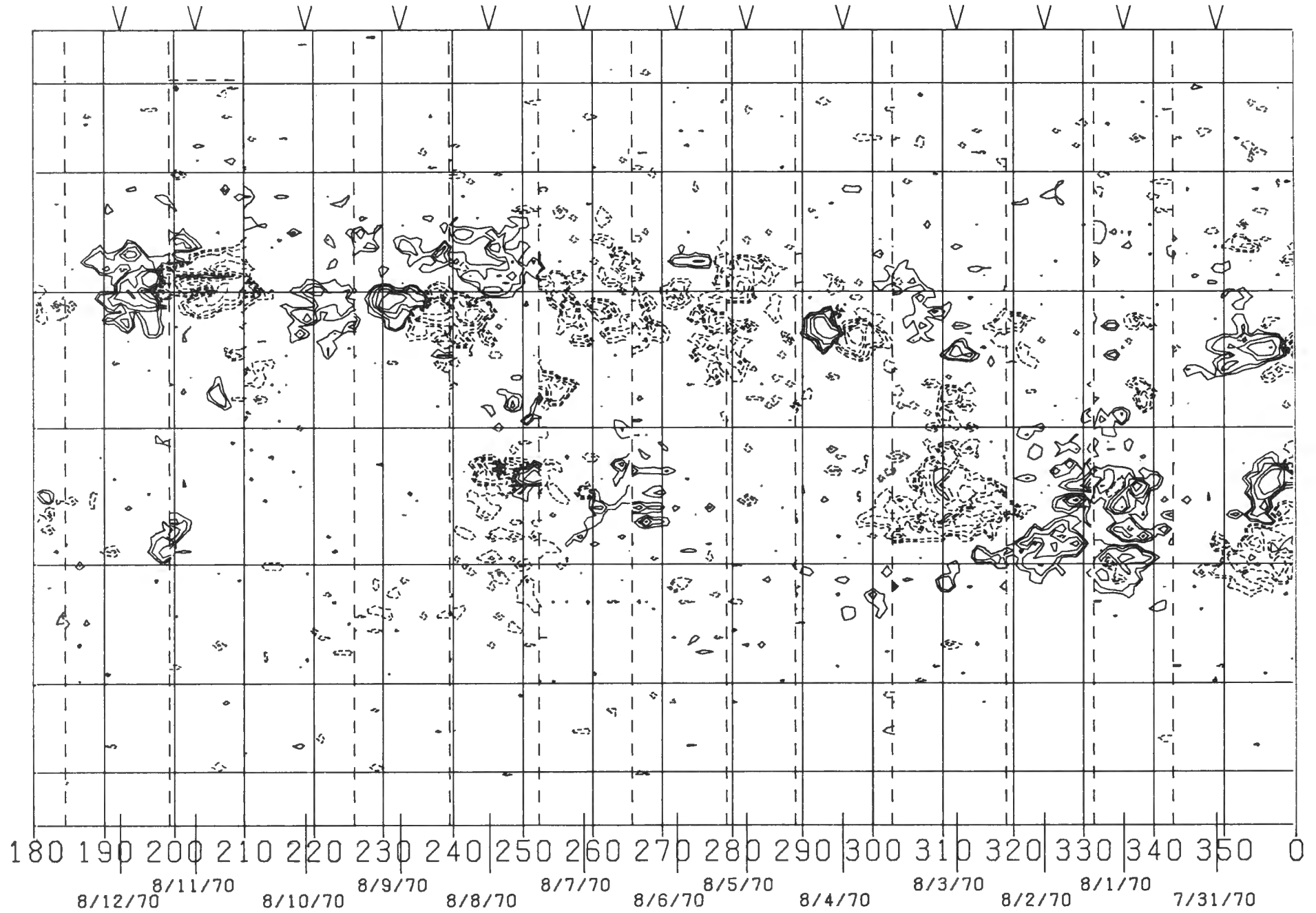
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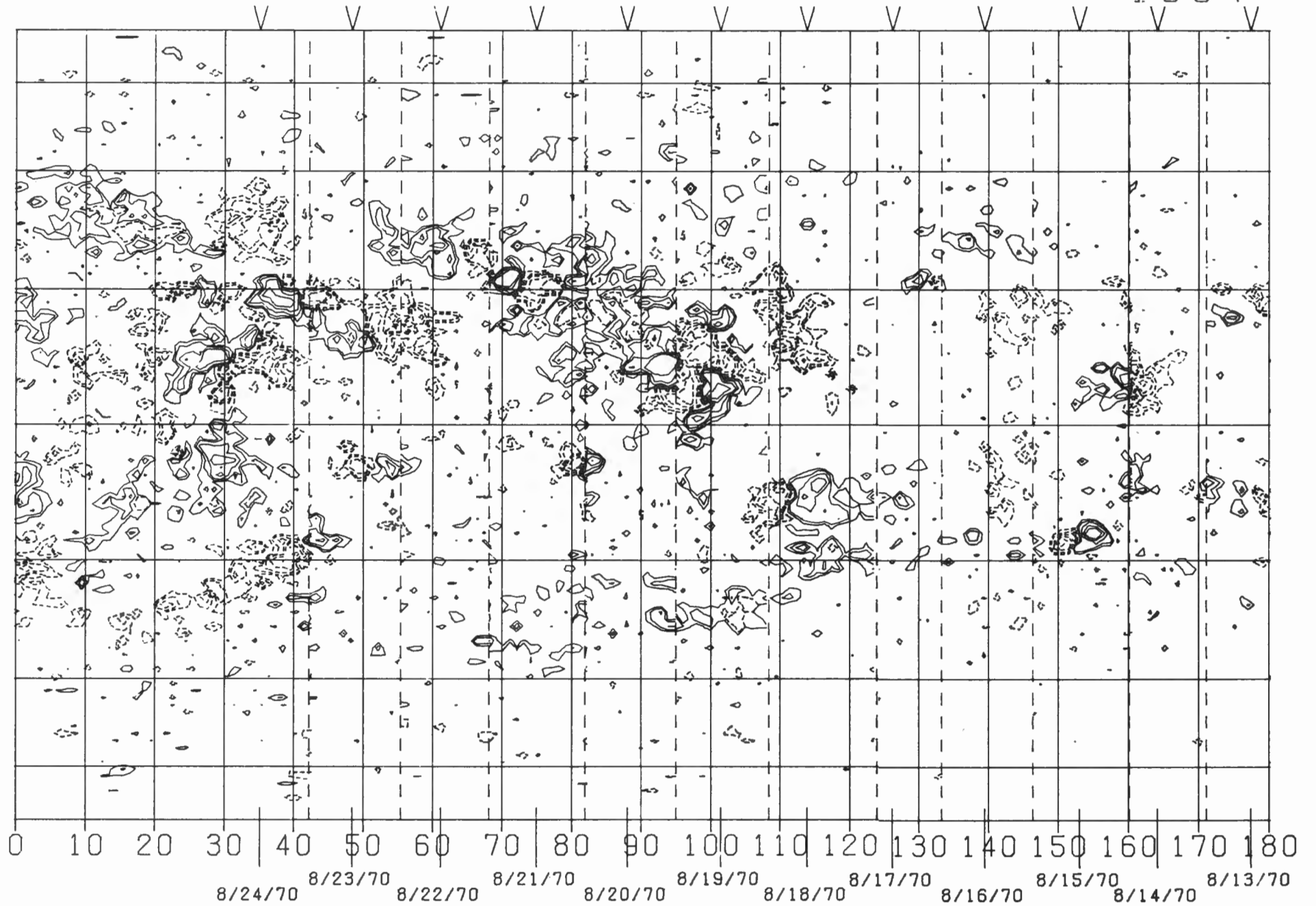
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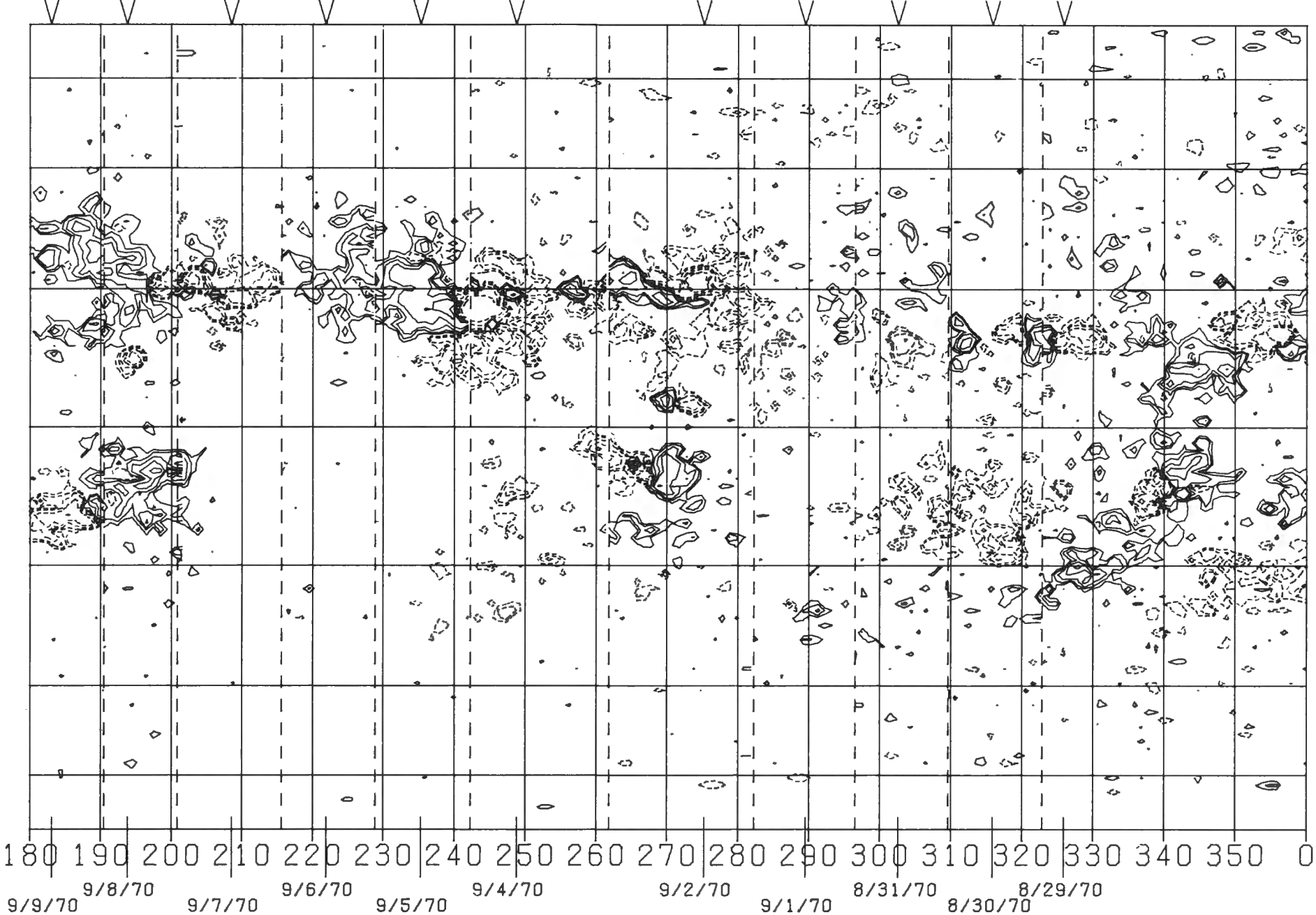


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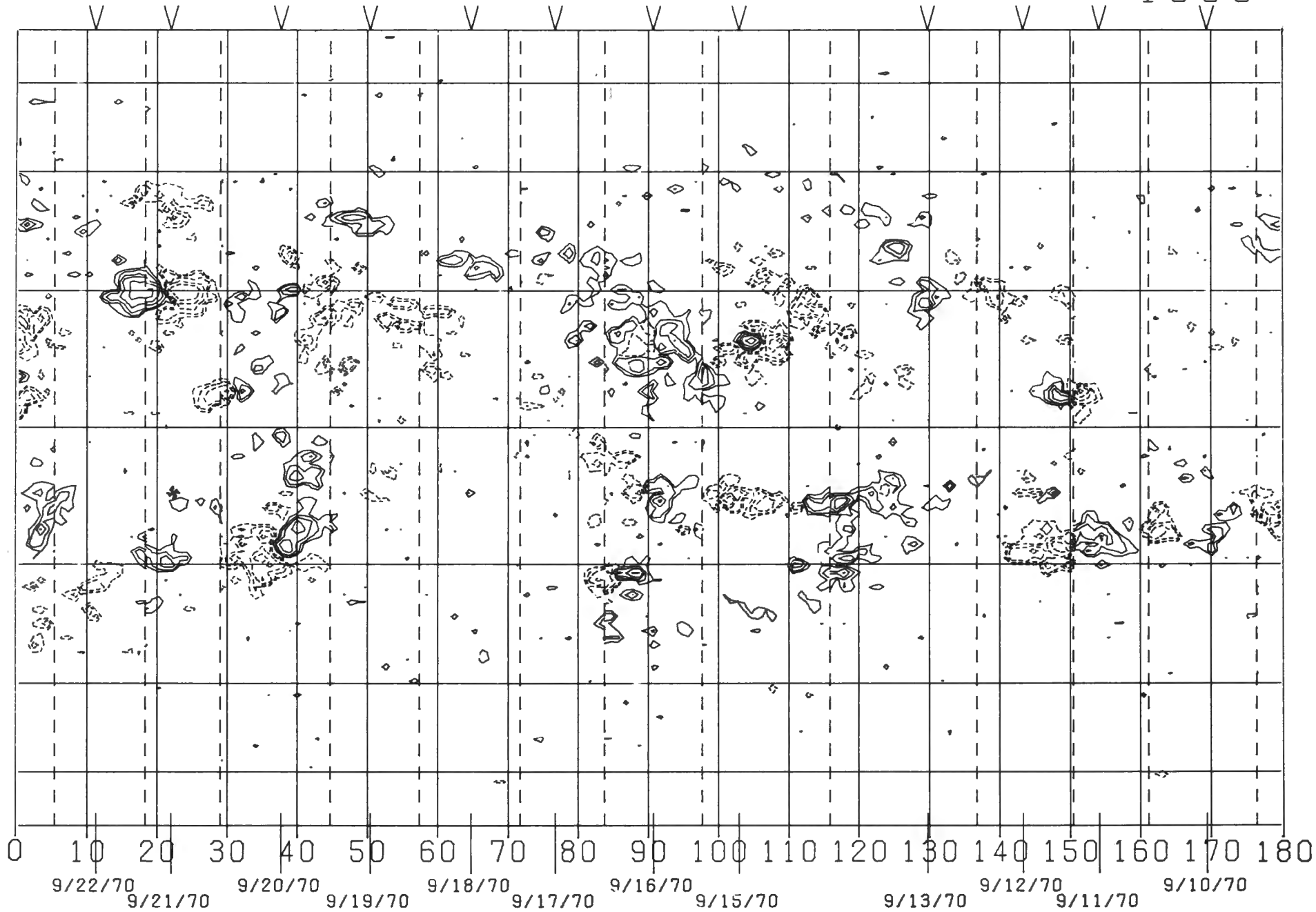


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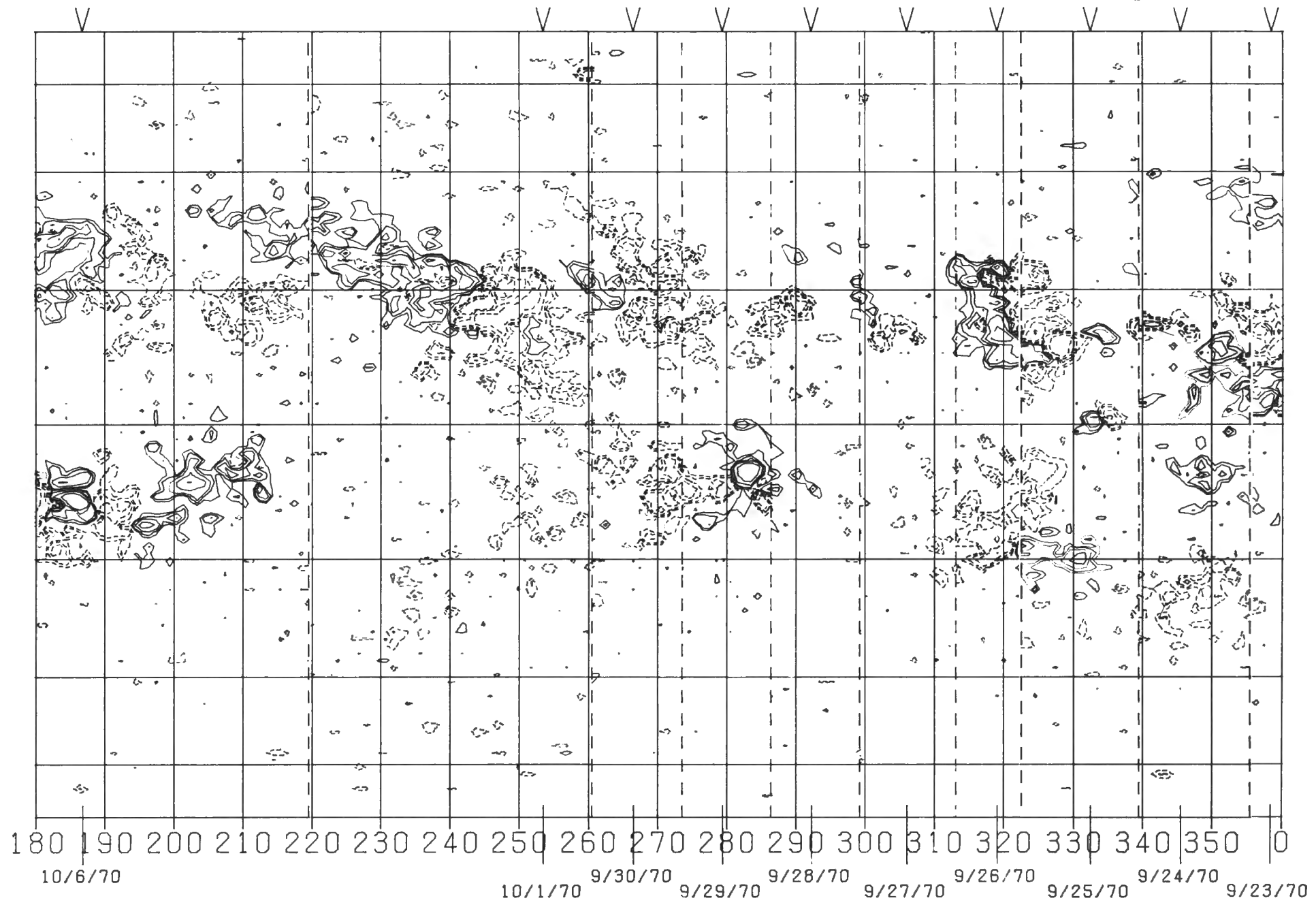
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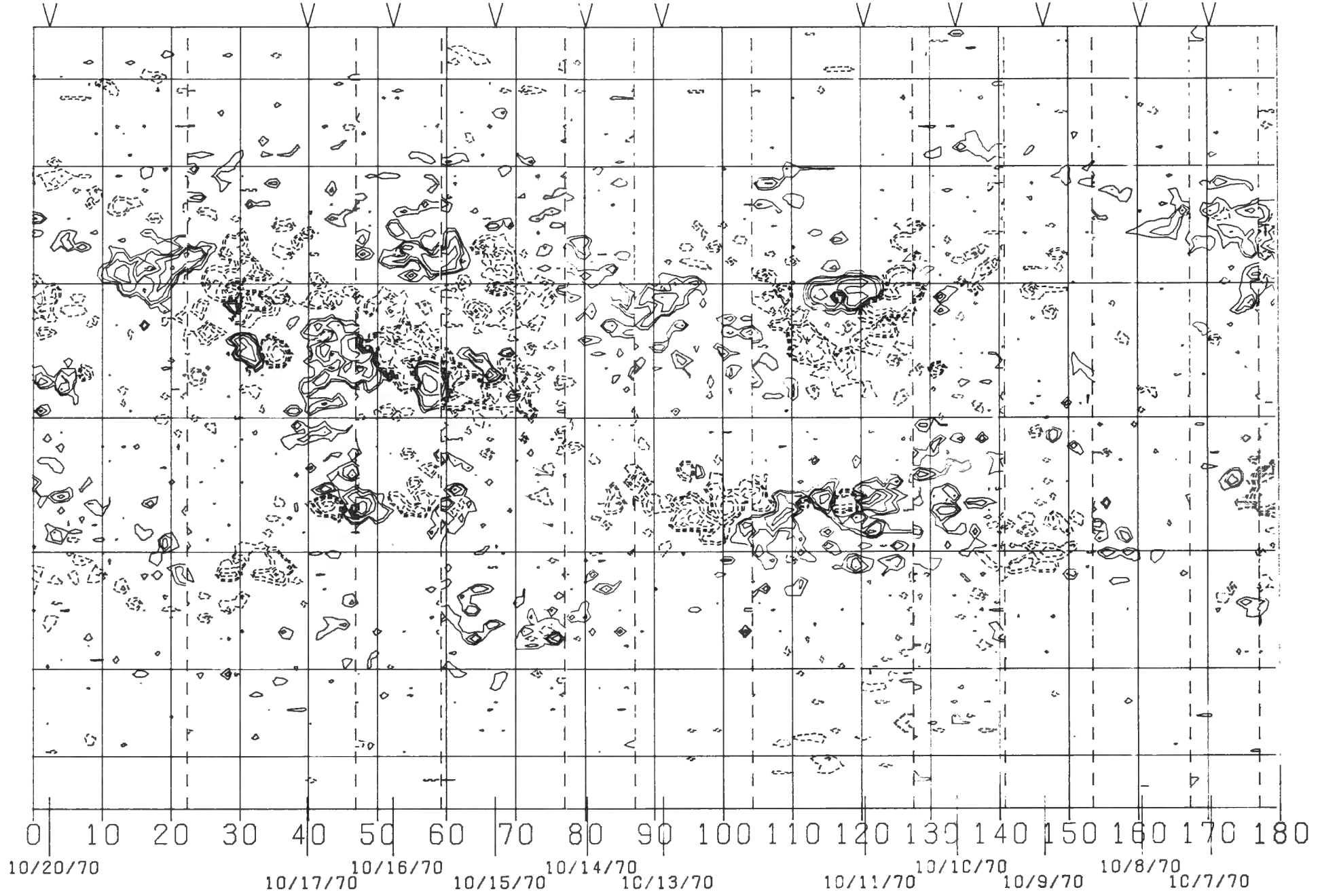
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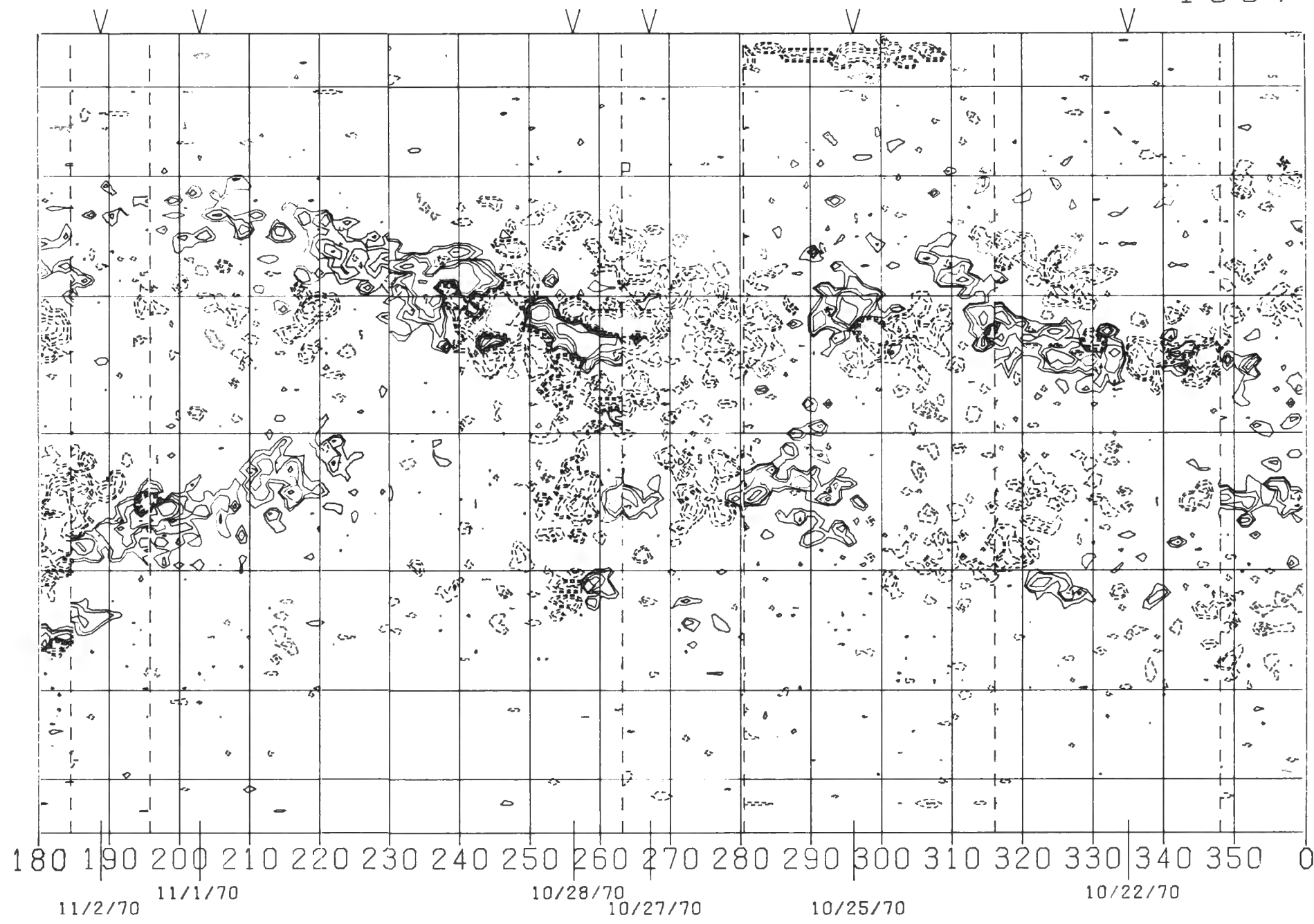
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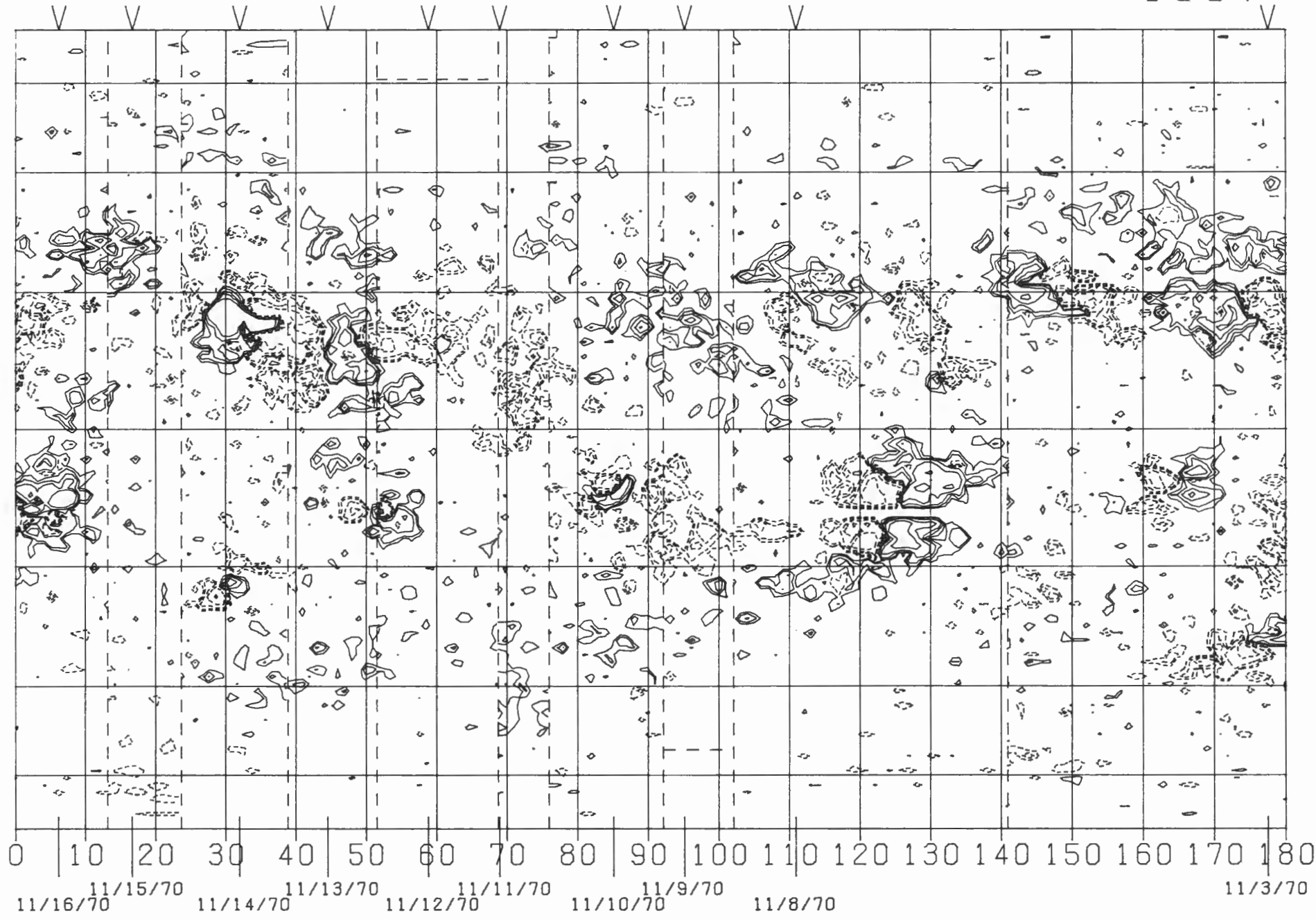
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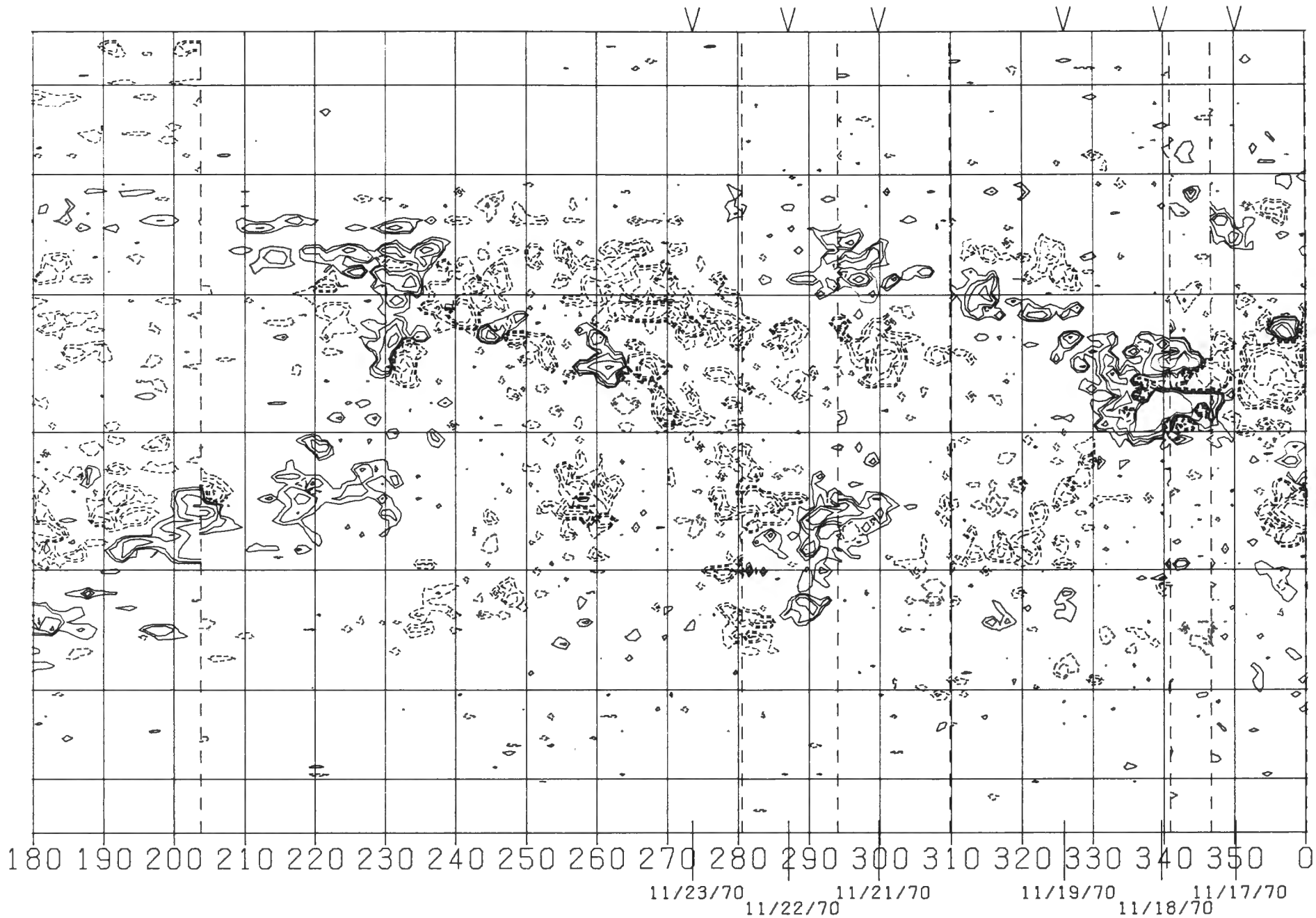
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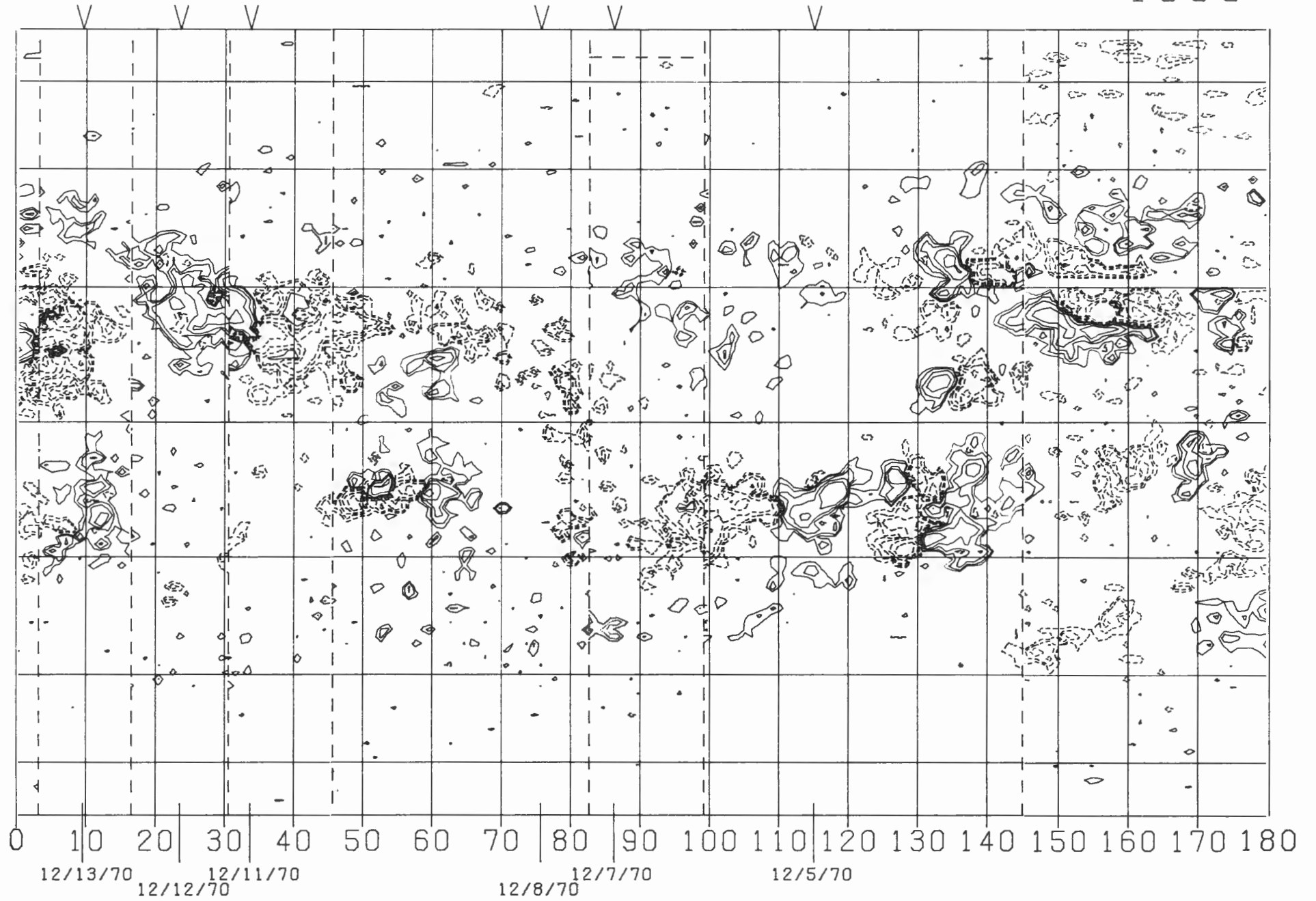


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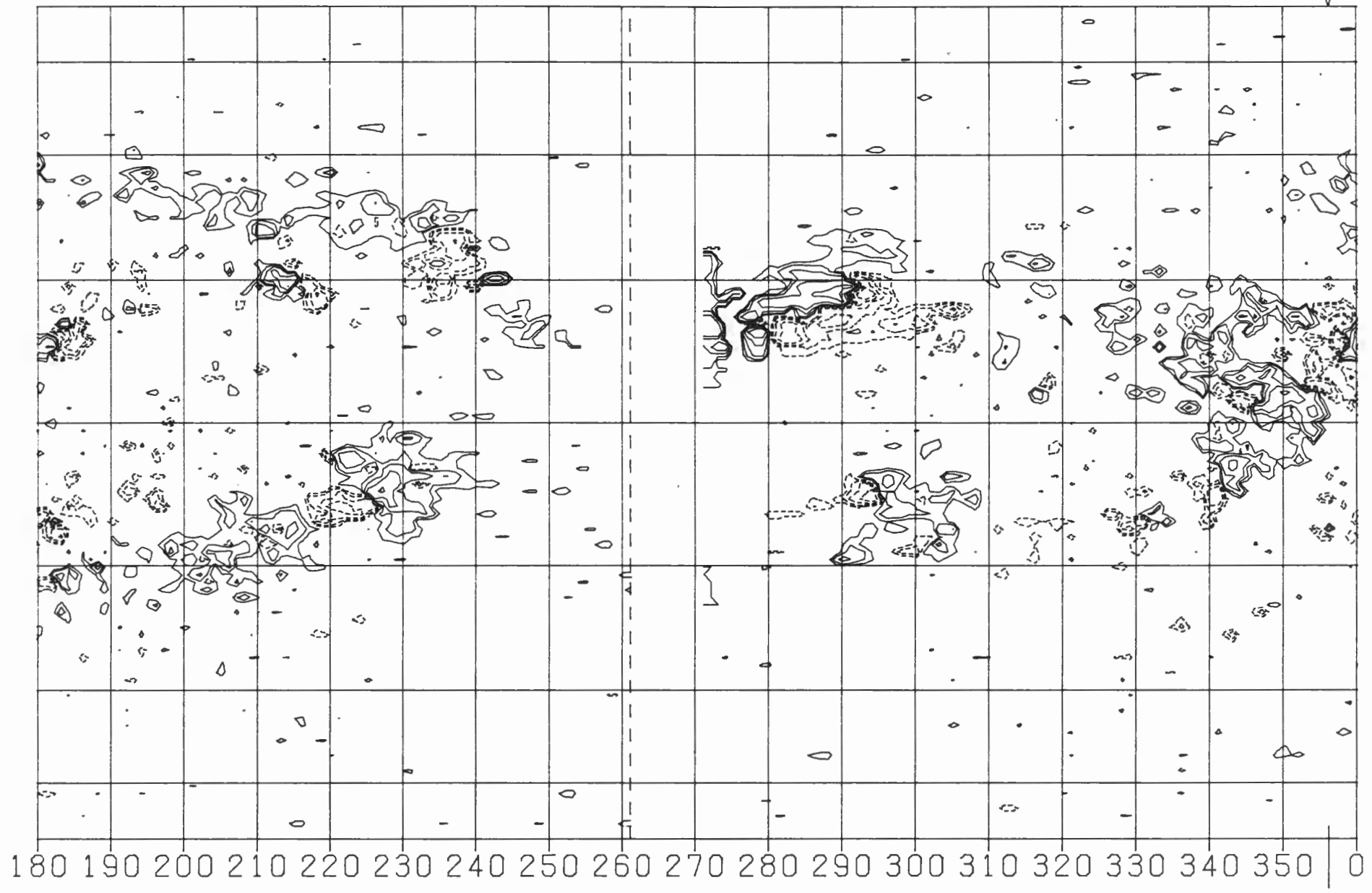


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