

ZOOPLANCTON
D'UNE BAIE EUTROPHIQUE TROPICALE

7 Répartition spatiale et annuelle
de quelques taxons

Deuxième partie : Chaetognathes ^{Lucifer} et groupes divers



OFFICE DE LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE OUTRE-MER

DOCUMENTS SCIENTIFIQUES DE LA MISSION DE NOSY-BÉ

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Mission ORSTOM de Nosy Be
(Madagascar)

Document n° 50
Juillet 1975

ZOOPLANCTON D'UNE BAIE EUTROPHIQUE TROPICALE
(Baie d'Ambaro, côte nord-ouest de Madagascar)

7 - Répartition spatiale et annuelle de quelques taxons
Deuxième partie : Chaetognathes, Lucifer, divers.

par

William BOUR
Serge FRONTIER
Didier PETIT

Océanographes biologistes de l'O.R.S.T.O.M.

Ce document fait suite au document n° 28 (1972) de la même série, auquel nous renvoyons pour l'exposé des méthodes employées d'estimation quantitative des diverses catégories planctoniques.

Les commentaires des répartitions des Chaetognathes ont été publiés dans BOUR (W.) et FRONTIER (S.), 1974 : Zooplancton de la région de Nosy Be. IX. Répartition spatio-temporelle des Chaetognathes dans la province néritique. Cah. O.R.S.T.O.M. (sér. Océanogr.) 12(4).

Les commentaires concernant les "groupes divers" (Cténaires, Salpes, Doliolles, Copépodes, oeufs d'Anchois, total organismes) sont donnés dans FRONTIER (S.), 1974 - Contribution à la connaissance d'un écosystème néritique tropical : étude descriptive et statistique du zooplancton de la région de Nosy Be. Thèse Univ. Marseille. Document O.R.S.T.O.M. hors collection.

Les commentaires concernant le genre Lucifer sont à paraître.

Taxons traités dans ce Document :

Sagitta enflata fig. 1A à 1f

Sagitta neglecta fig. 2a à 2f

Sagitta littoralis fig. 3a à 3f

Sagitta ferox fig. 4a à 4f

Sagitta bedfordii fig. 5b à 5f

Krohnitta pacifica fig. 6a à 6f

Total CHAETOGNATHES fig. 7f

Lucifer hanseni : protozoés fig. 8a à 8f ;

Lucifer spp. : mysis fig. 9a à 9f

Lucifer hanseni : juvéniles fig. 10a à 10f ; adultes fig. 11a à 11f

Lucifer penicillifer et chacei : protozoés fig. 12a à 12f

Lucifer penicillifer : juvéniles fig. 13a à 13f ; adultes fig. 14a à 14f

Lucifer chacei : juvéniles fig. 15a à 15f ; adultes fig. 16a à 16f

CTÉNAIRES fig. 17a à 17f

SALPES fig. 18a à 18f

DOLIOLES fig. 19a à 19f

COPEPODES fig. 20a à 20f

Total Organismes fig. 21a à 21f

Oeufs d'Anchois fig. 22a à 22f.

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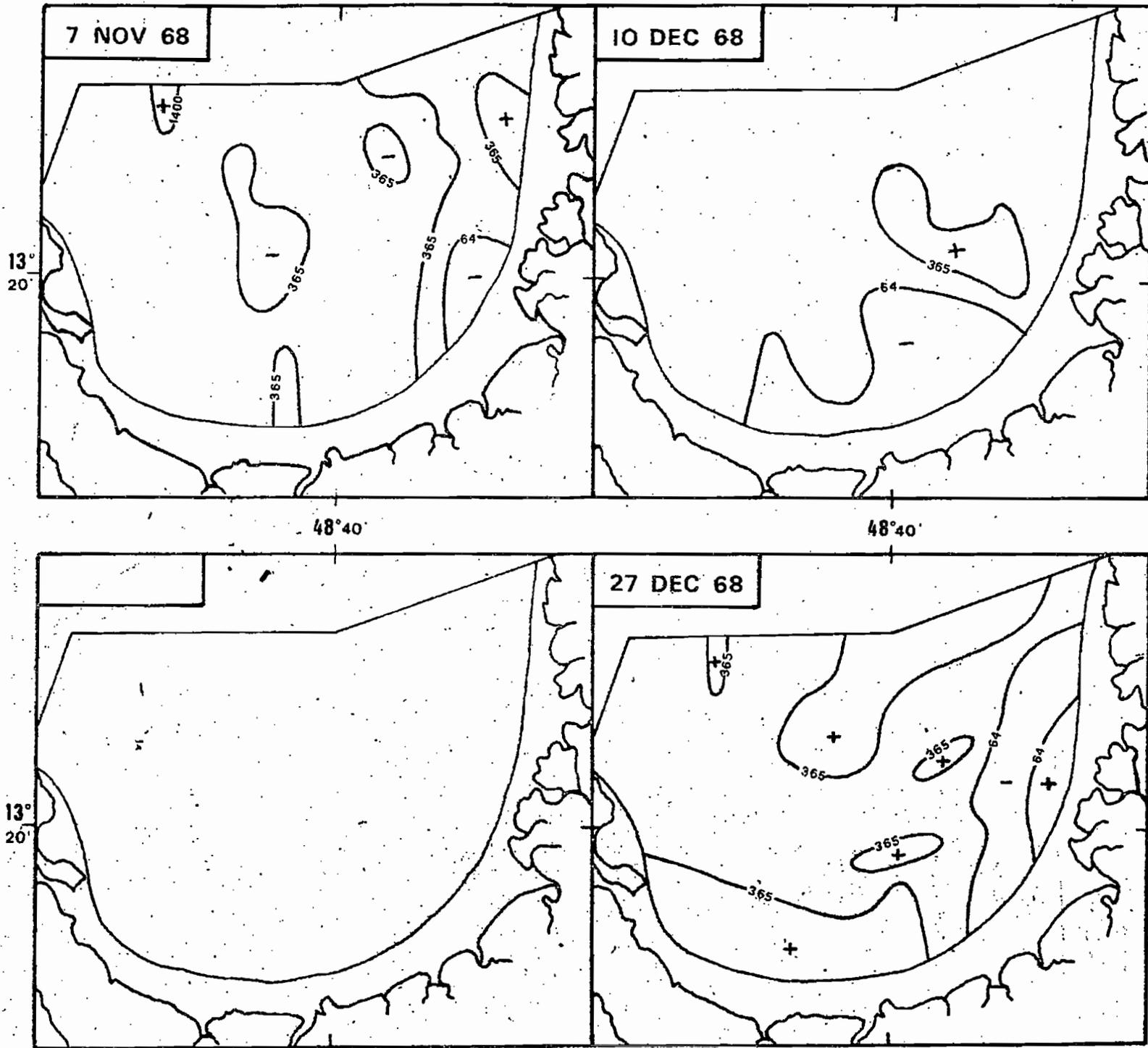


Fig. 7-1b

Sagitta enflata

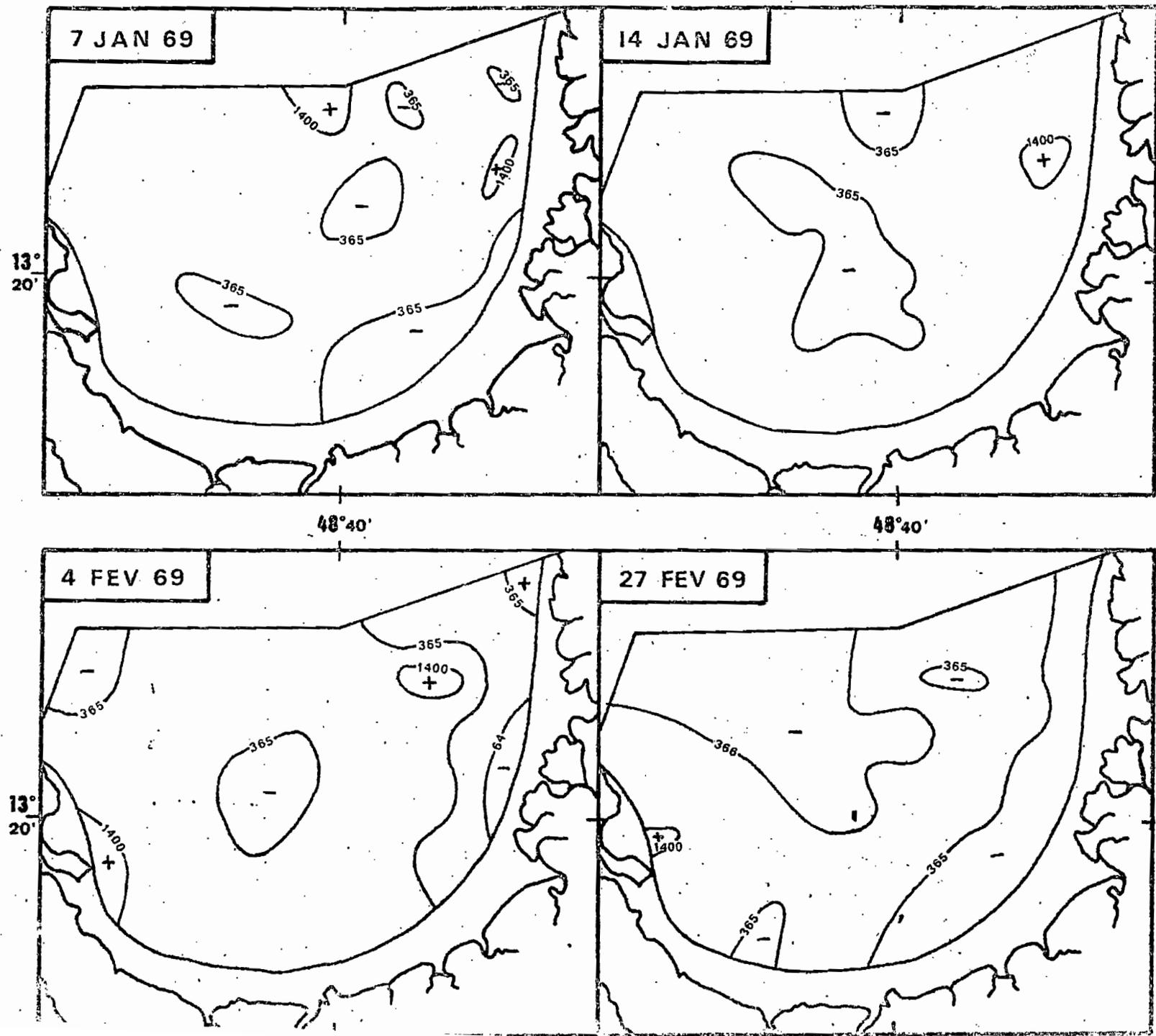


Fig. 7-1c

Sagitta enflata

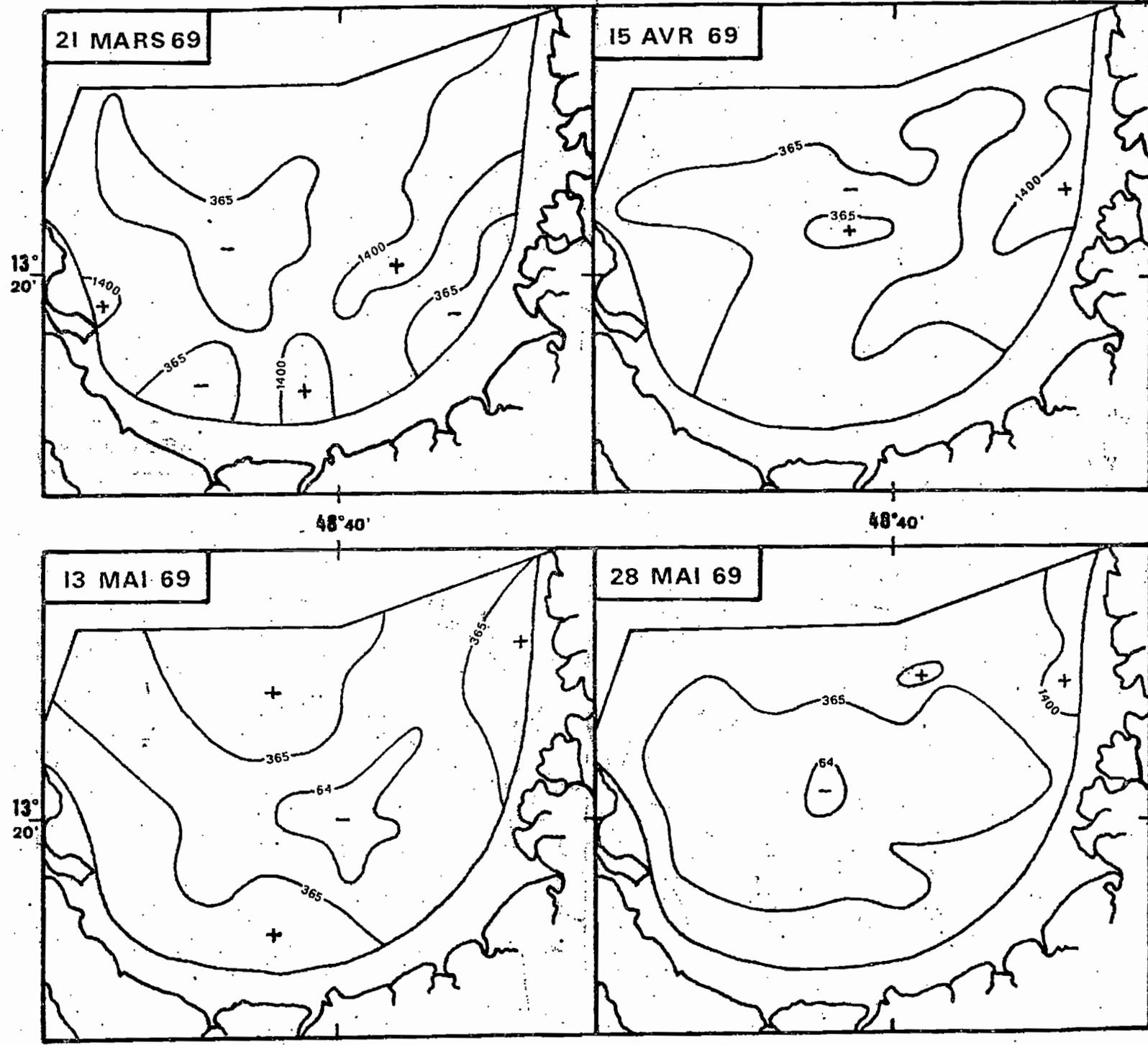
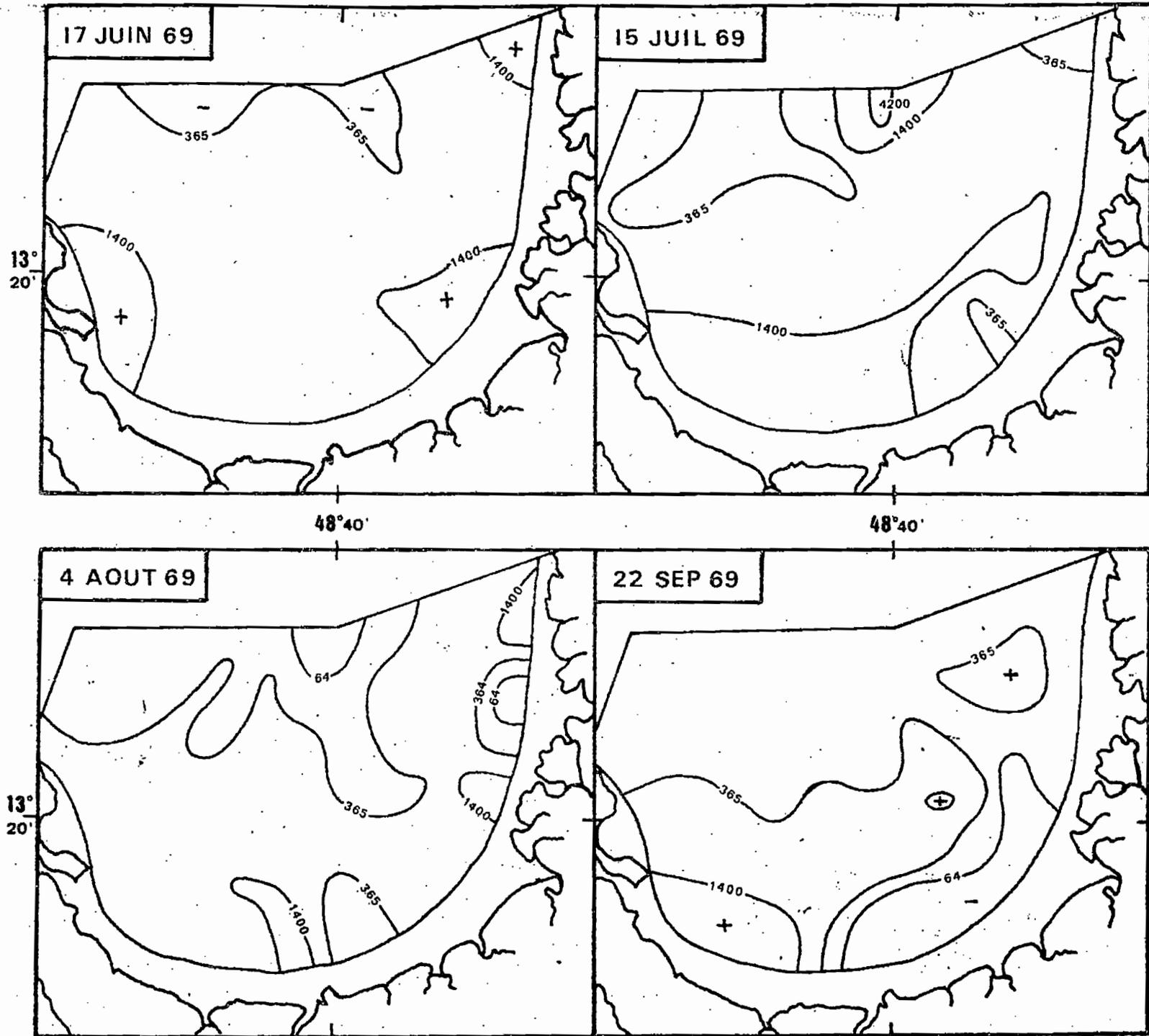
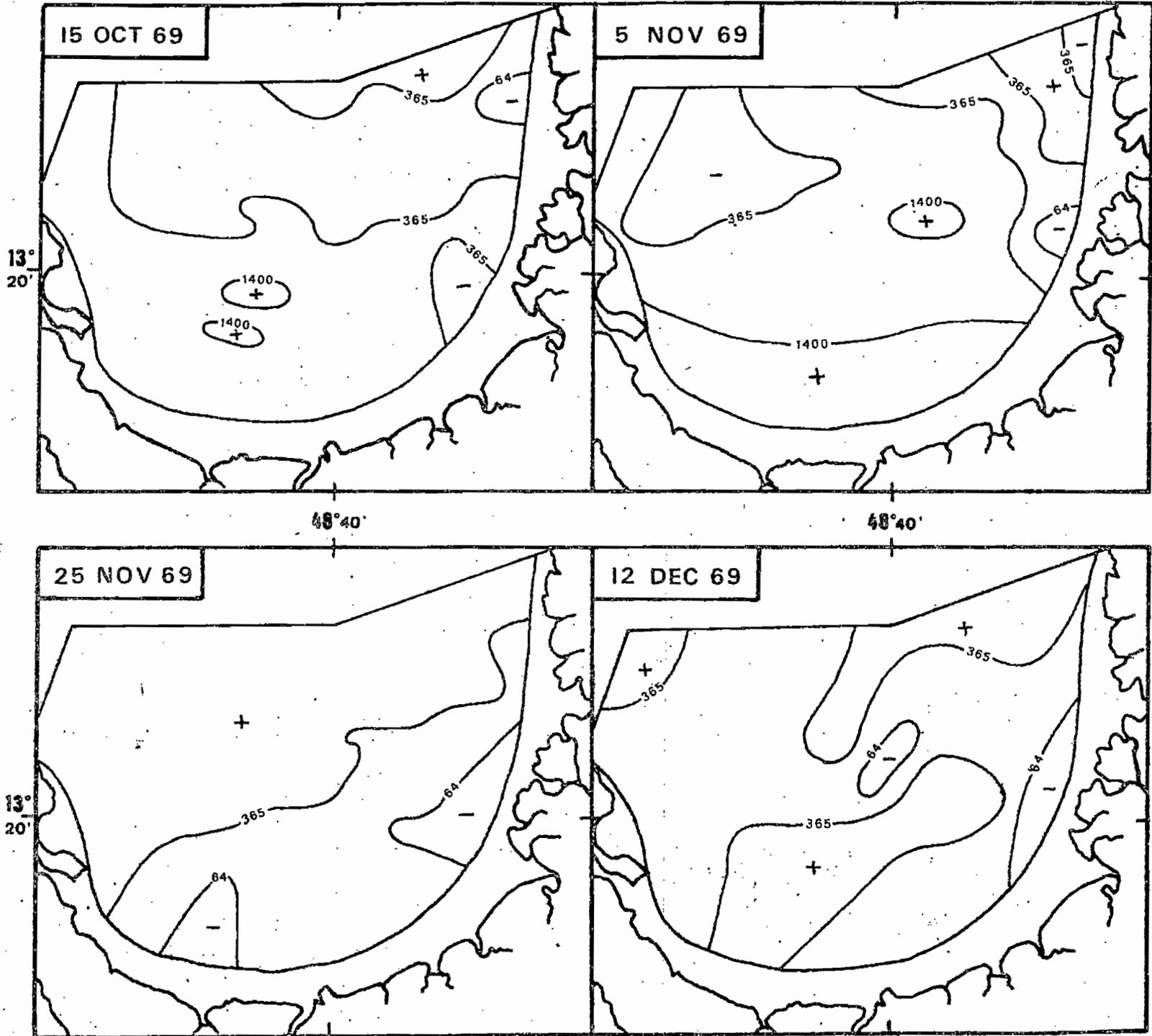


Fig. 7-1d

Sagitta enflata





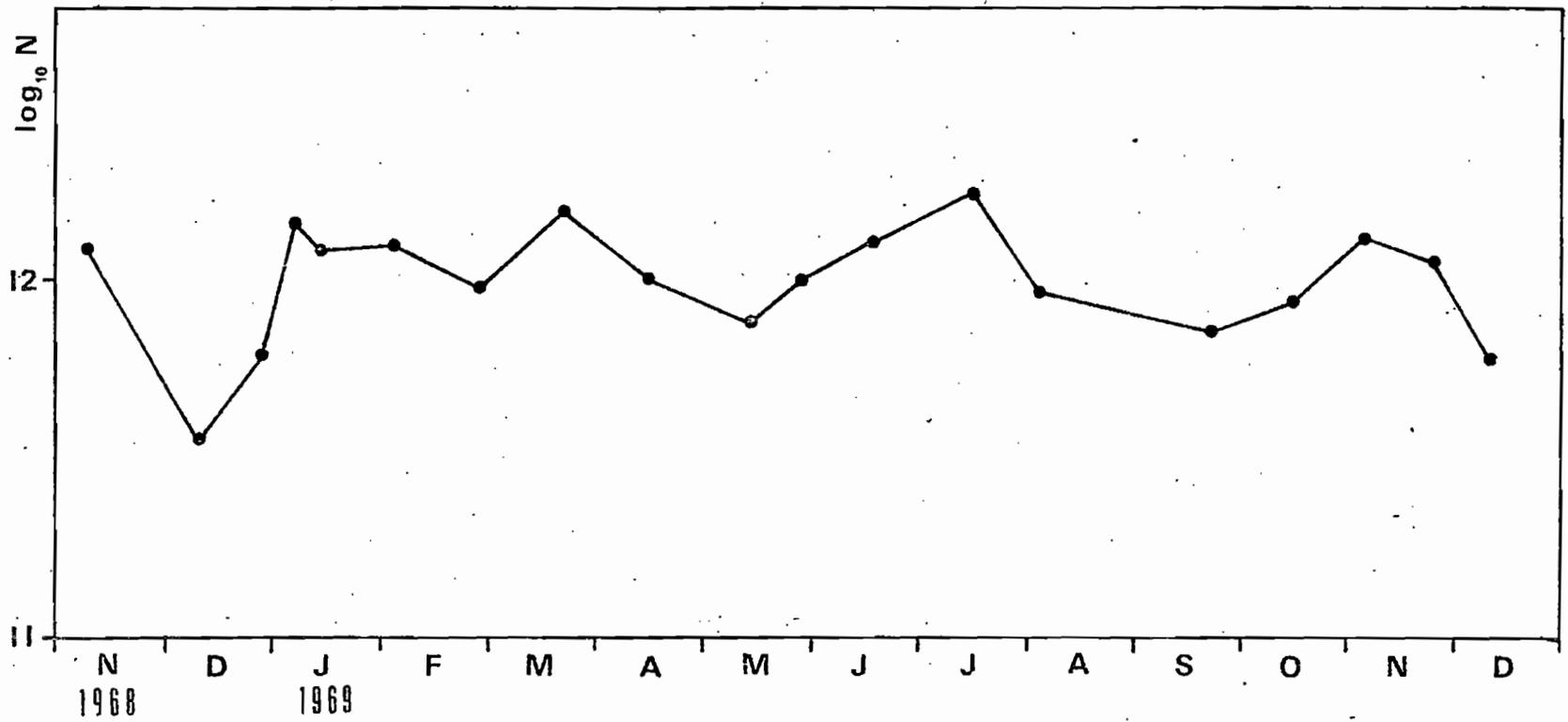
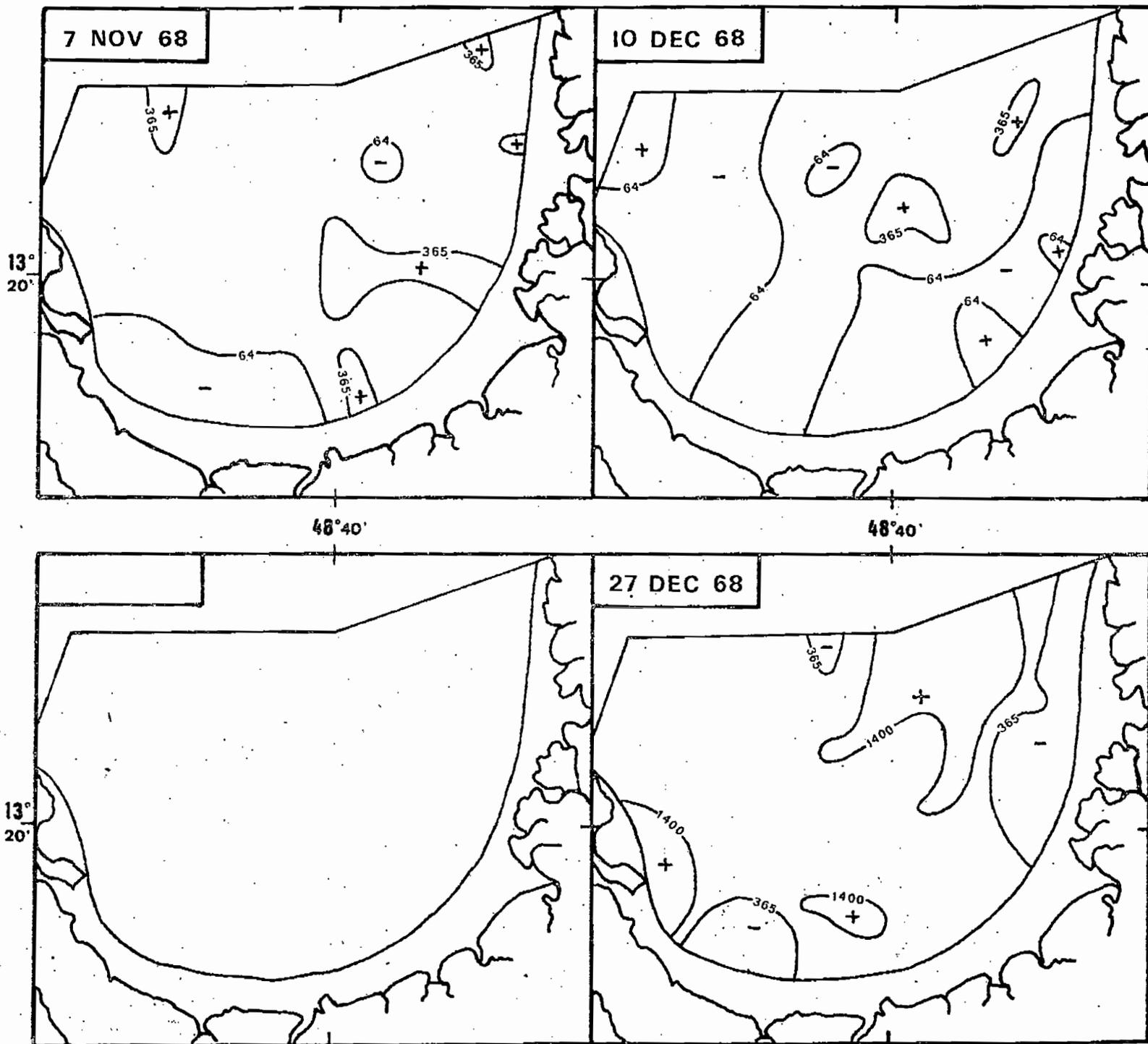


Fig. 7-1f

Sagitta enflata

Fig. 7-2a

Sagitta neglecta



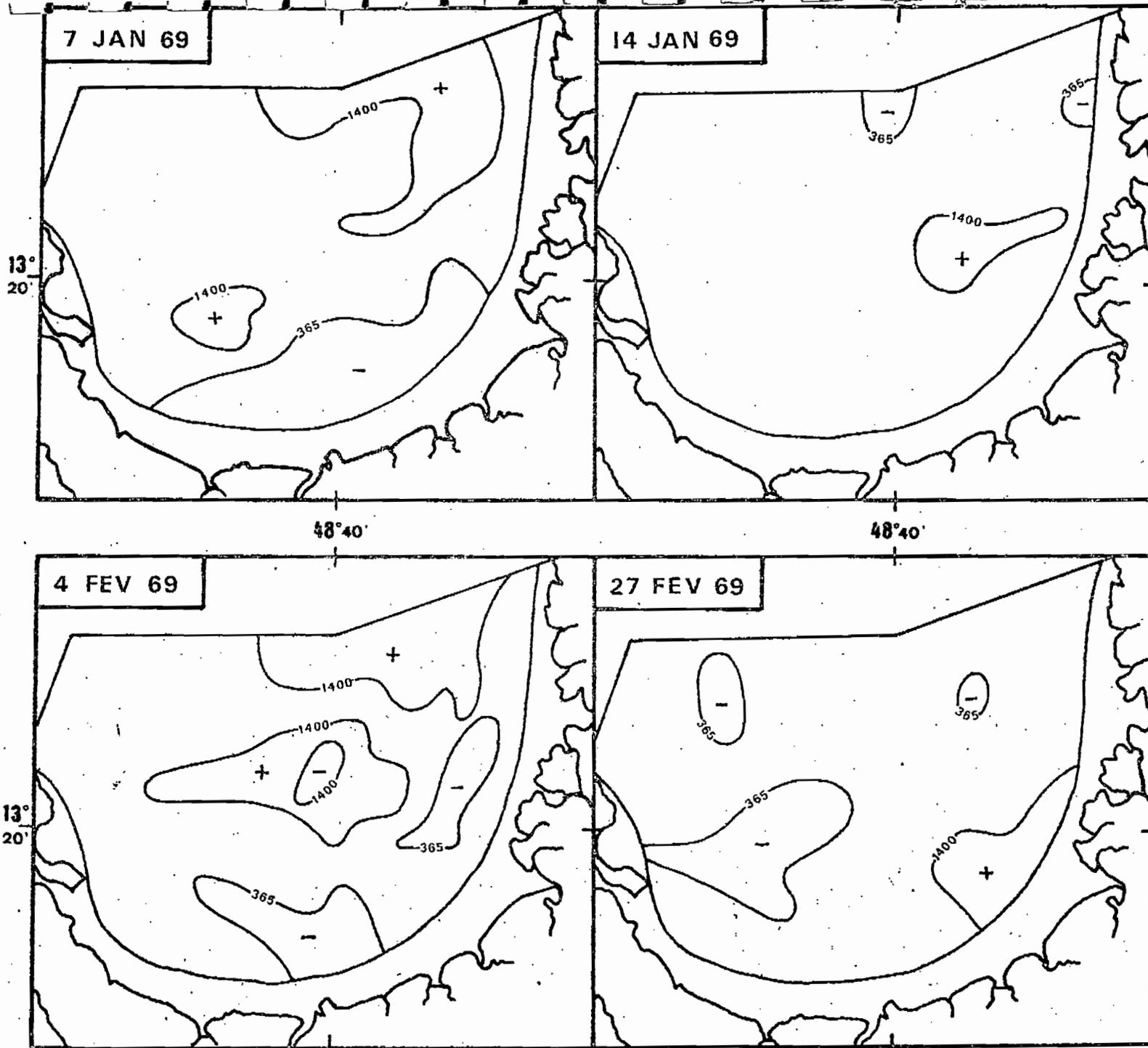
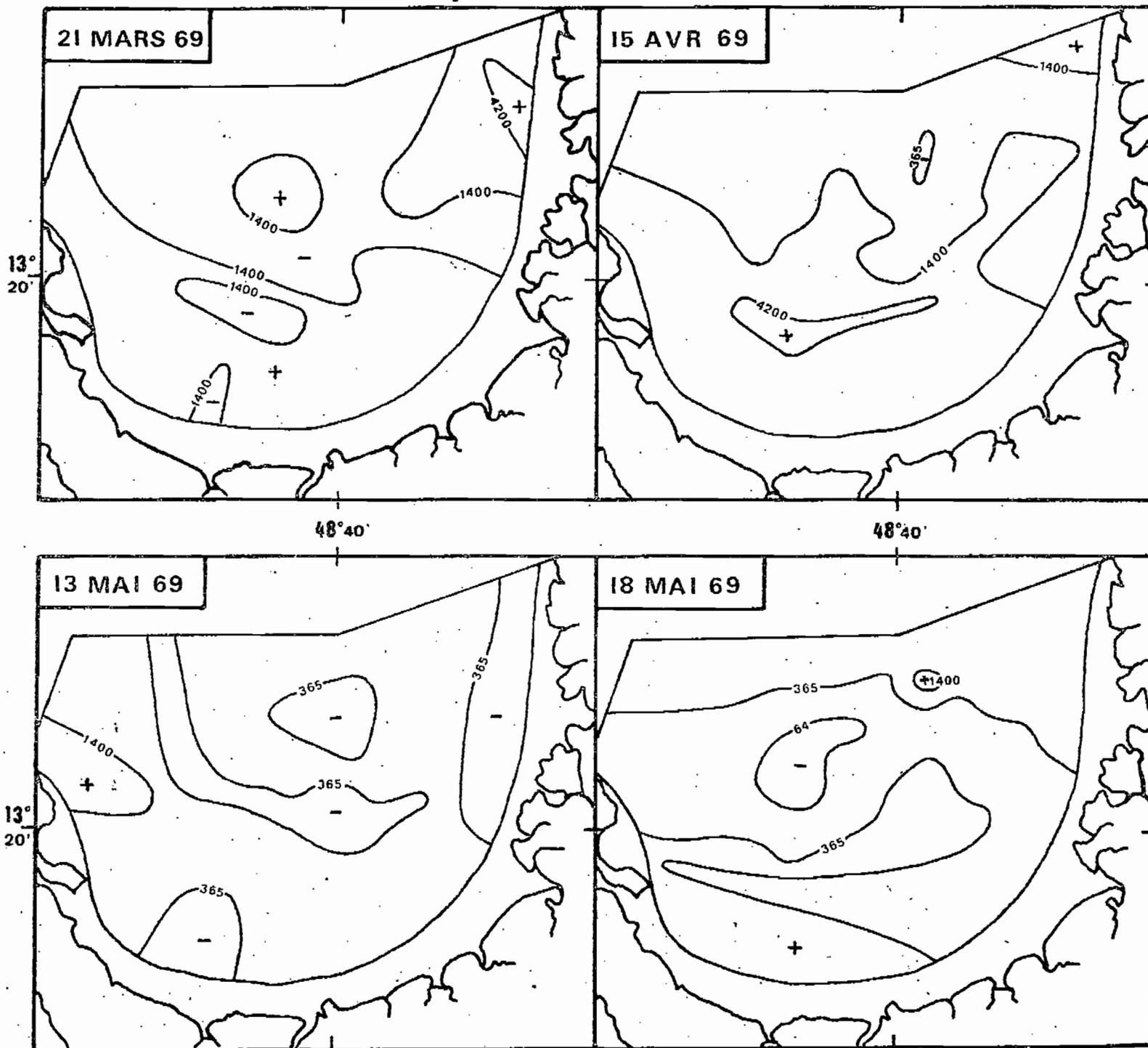
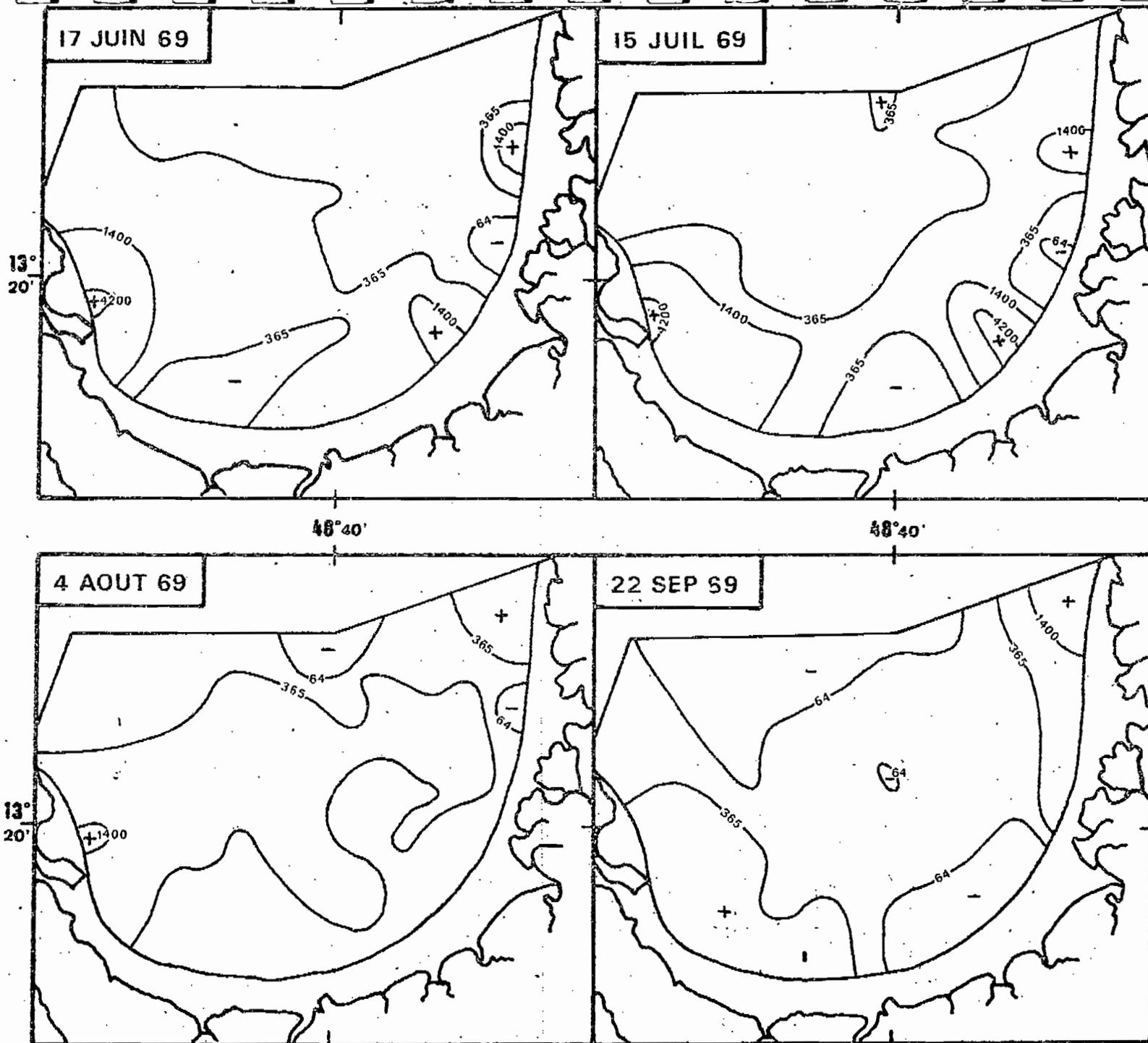
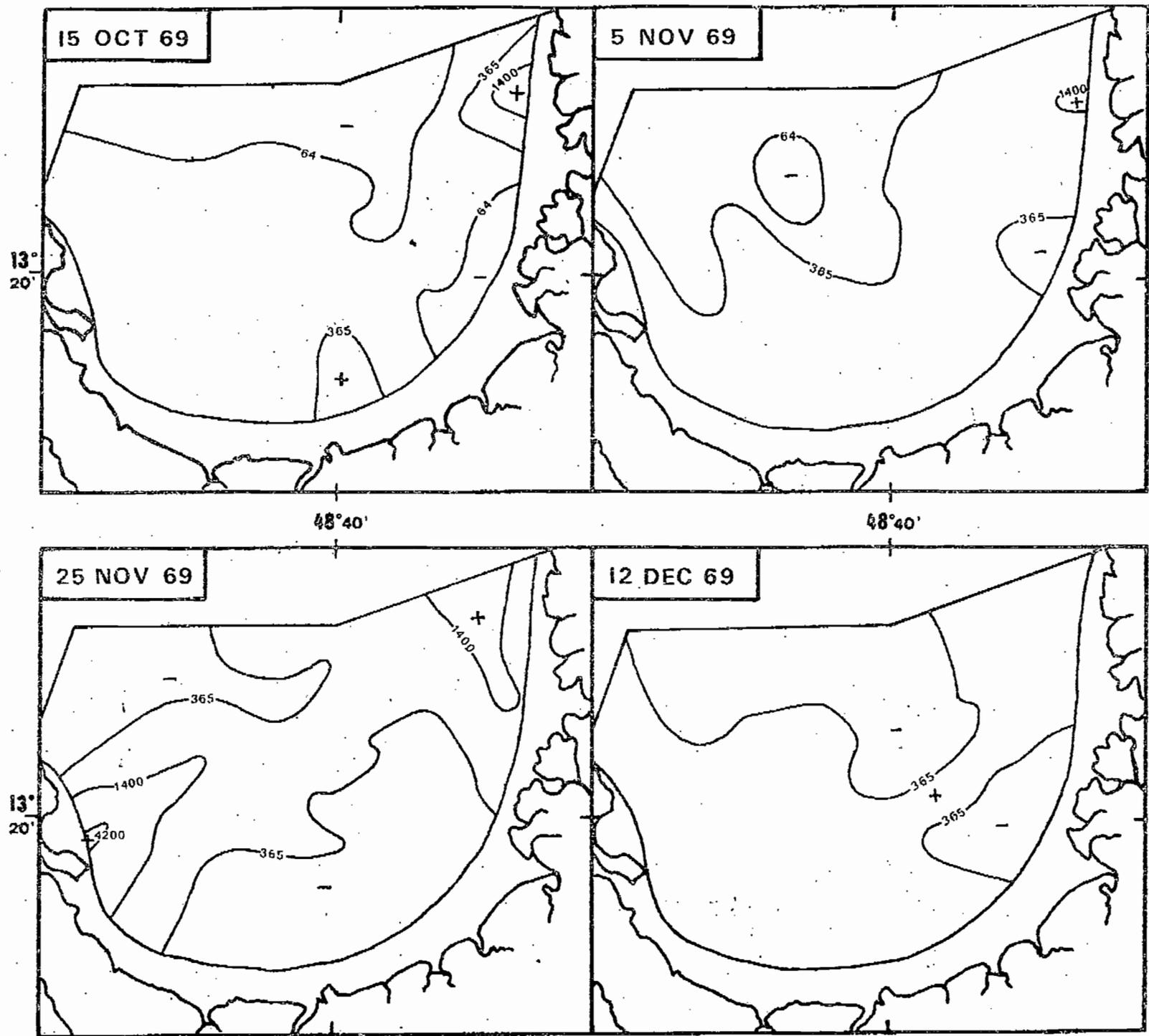


Fig. 7-2c

Sagitta neglecta







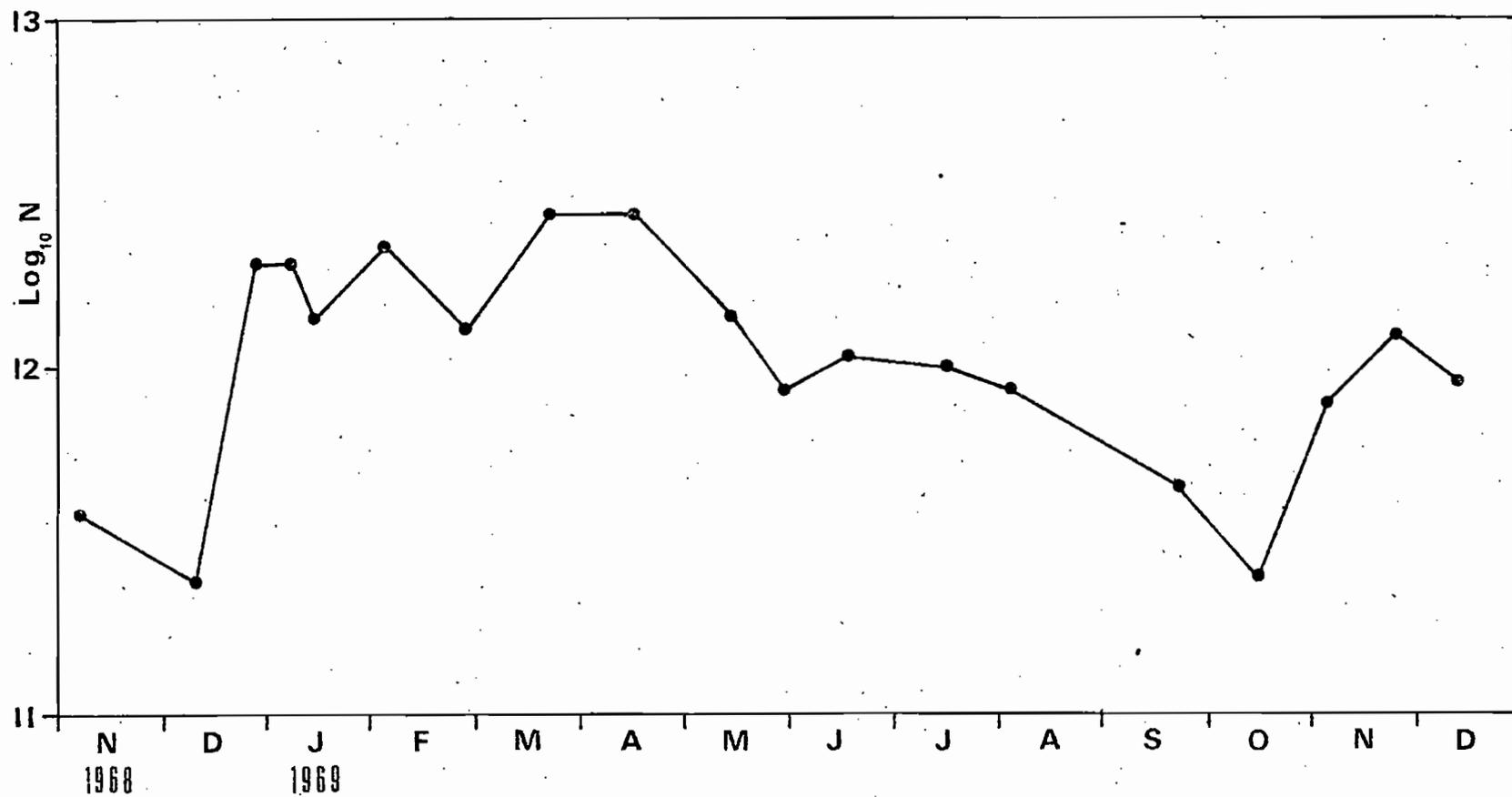


Fig. 7-2 f

Sagitta neglecta

Fig. 7-3 a

Sagitta littoralis

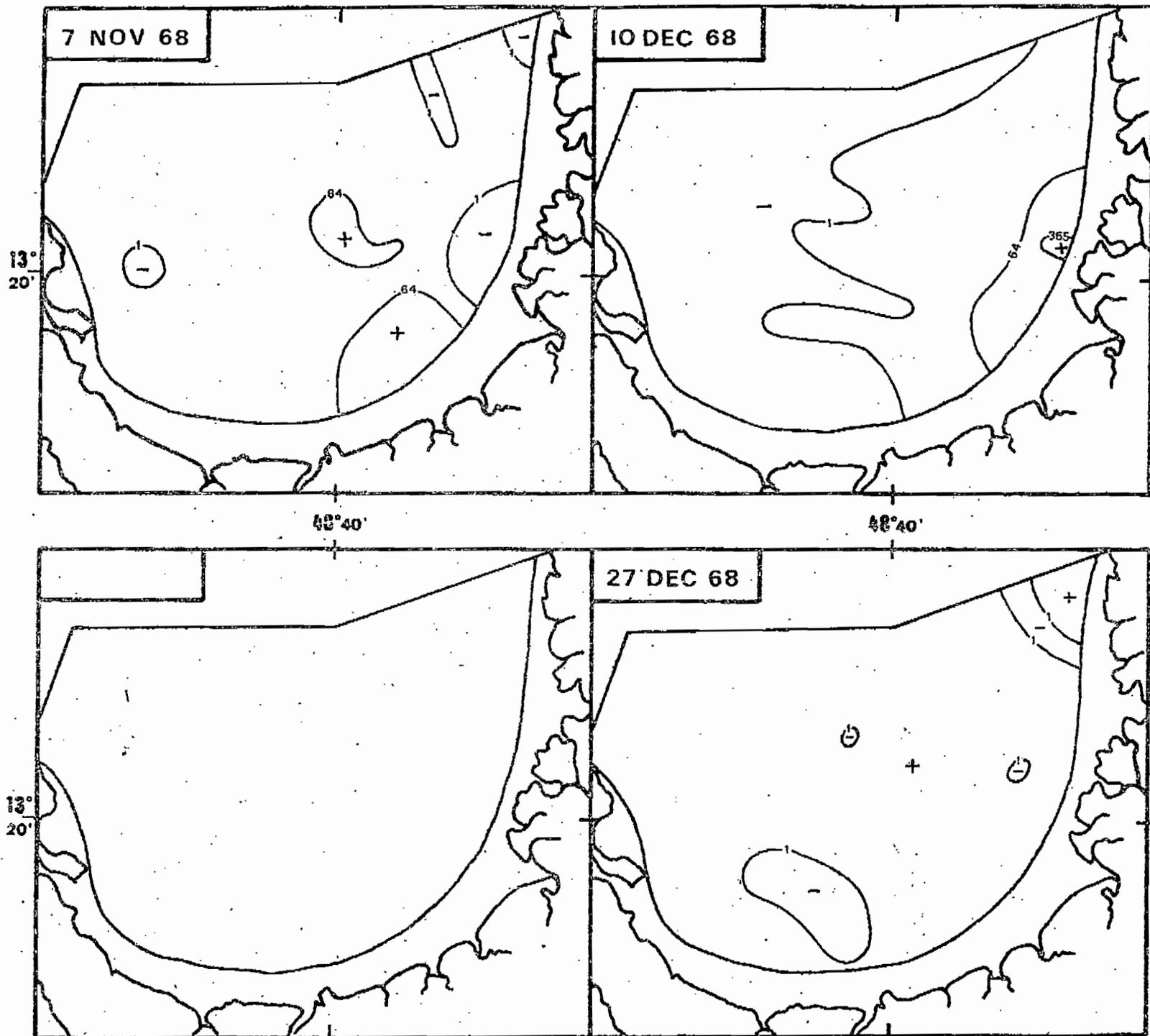
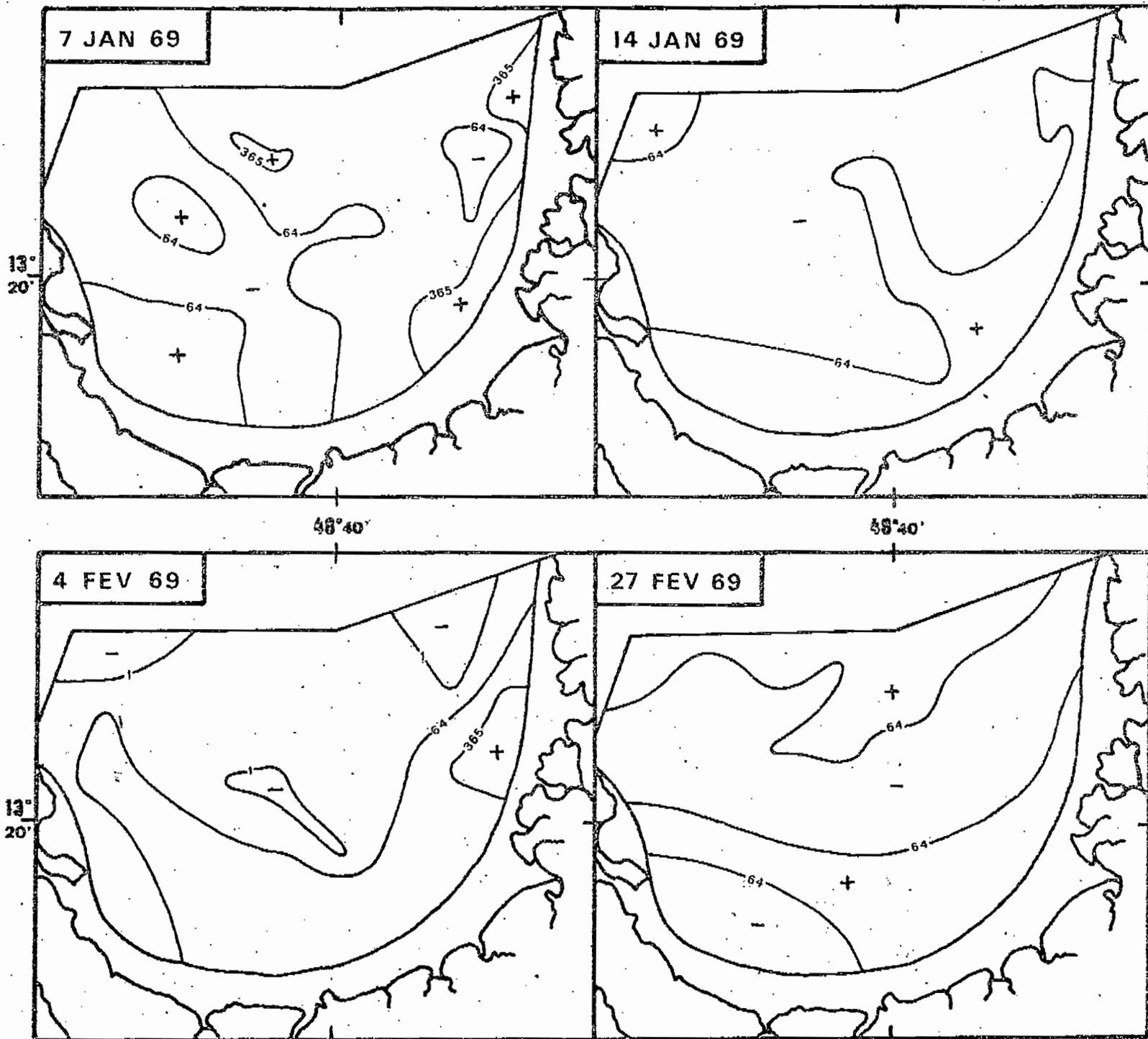
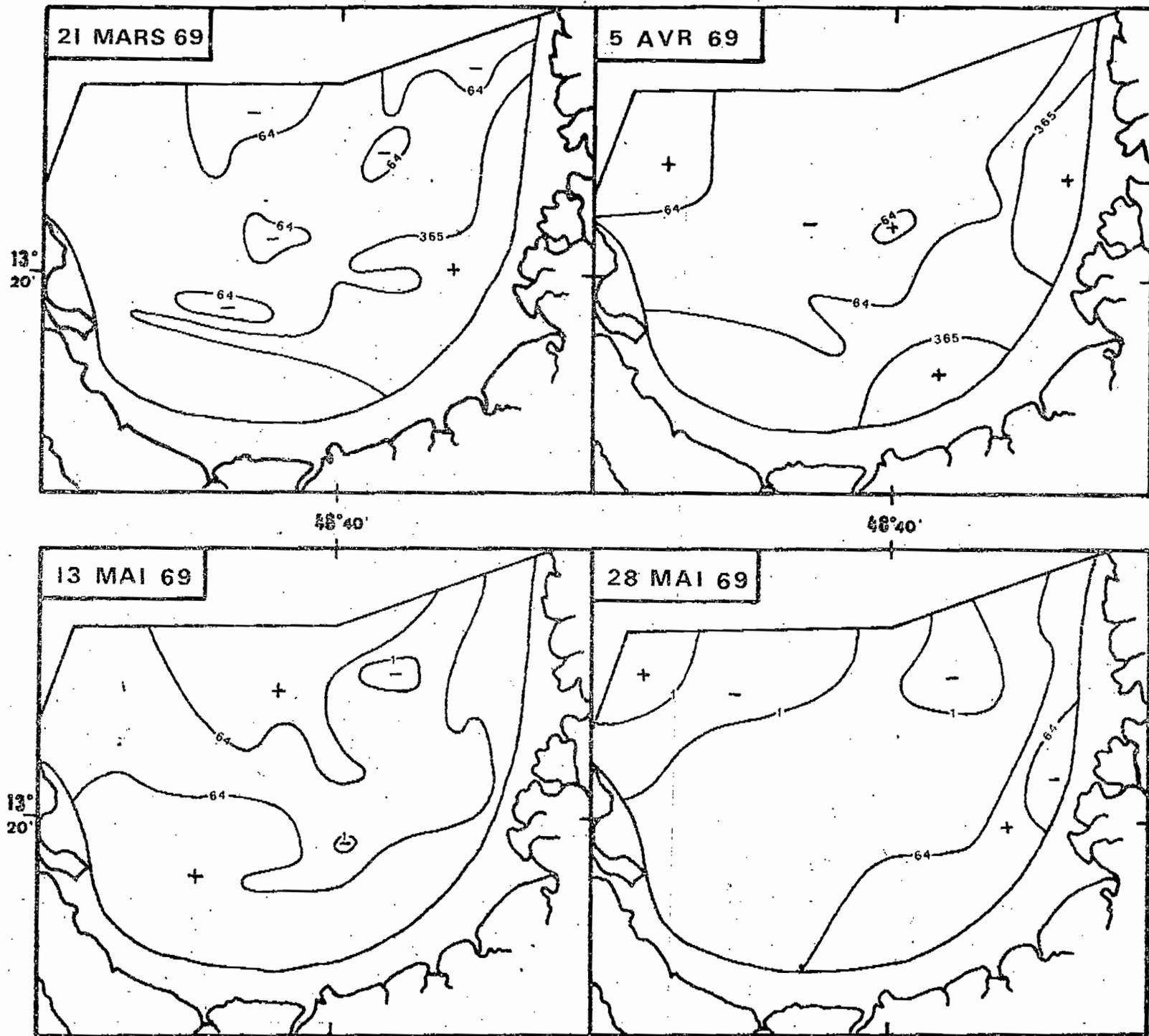
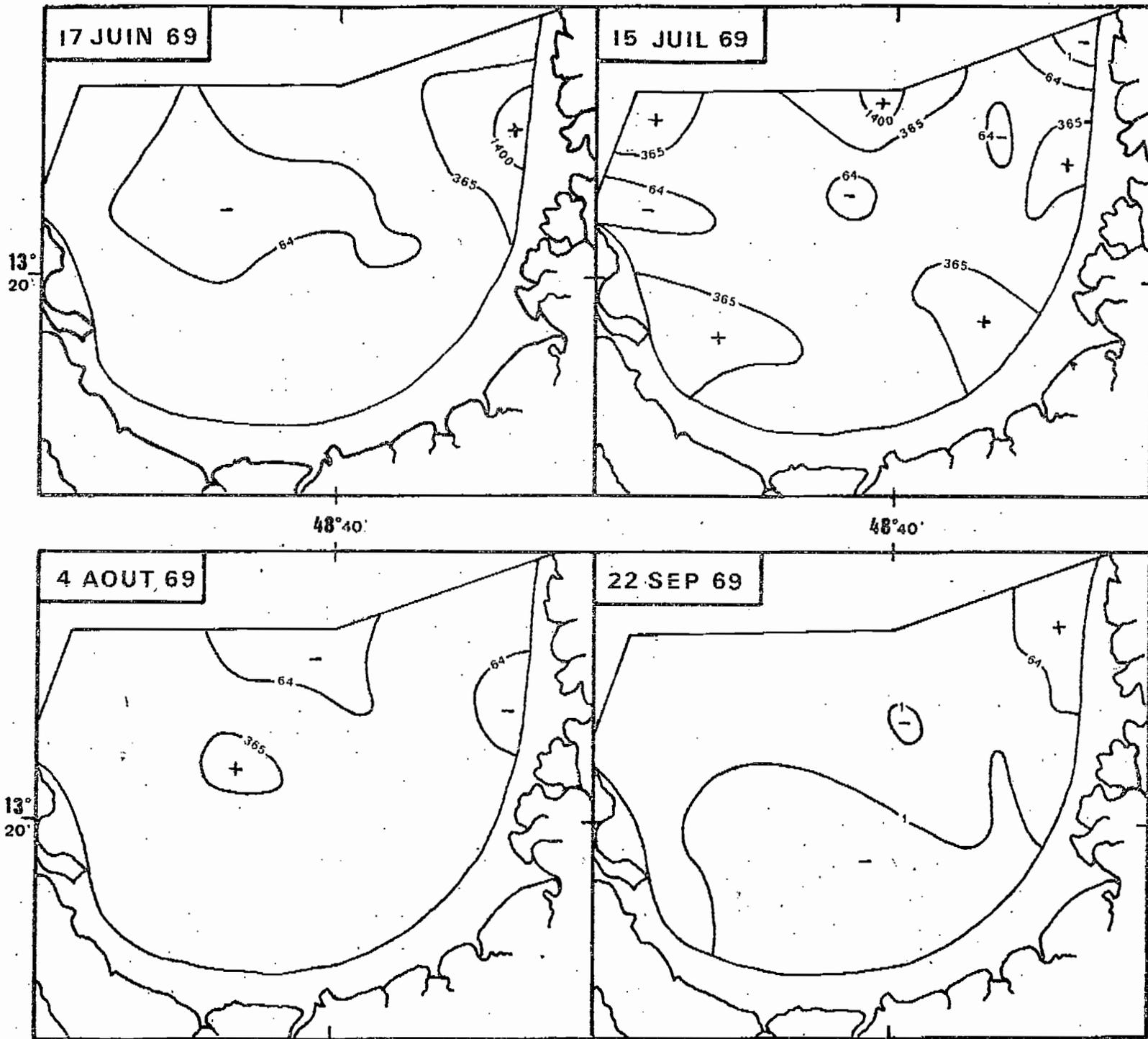


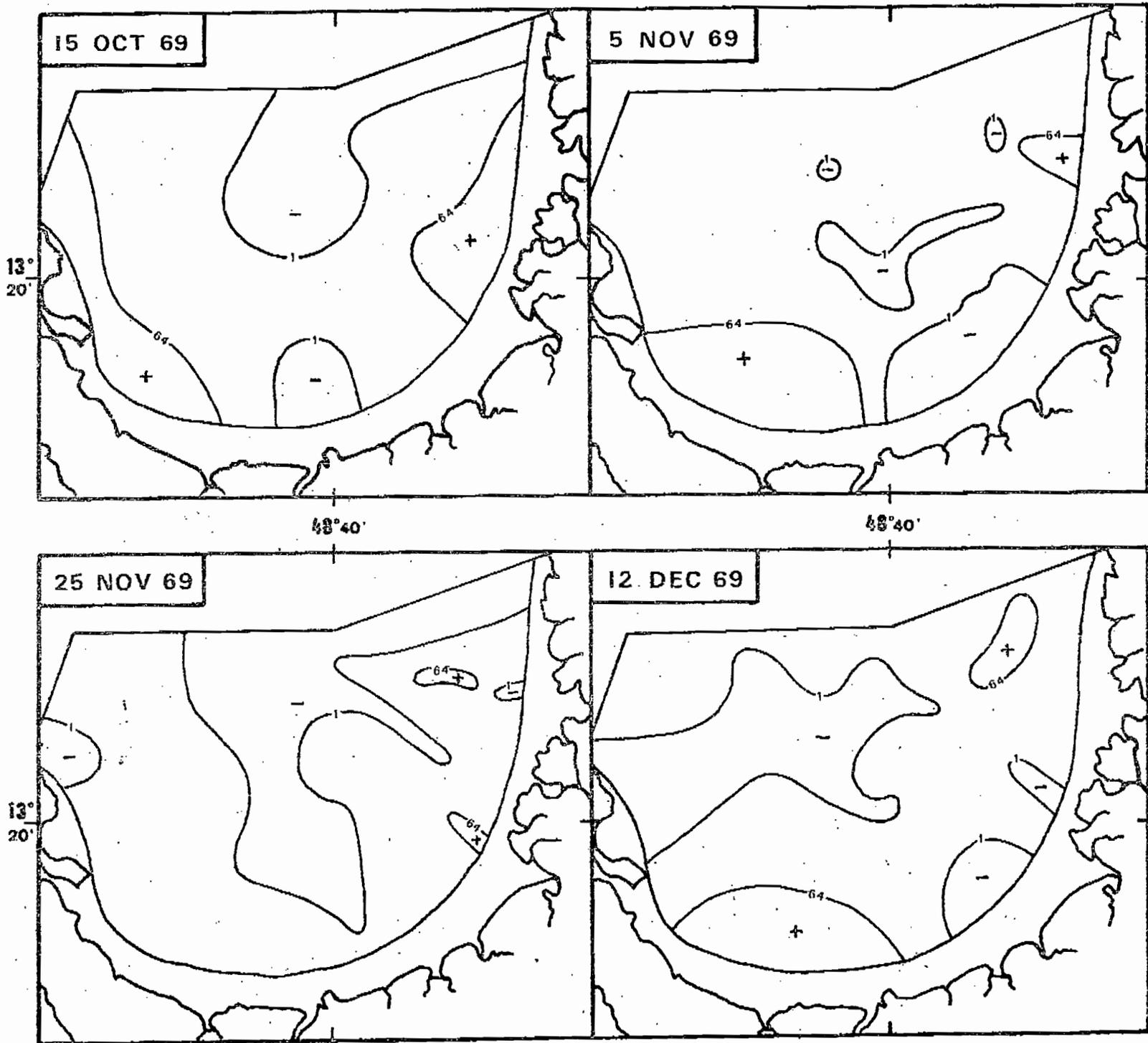
Fig. 7-3 b

Sagitta littoralis









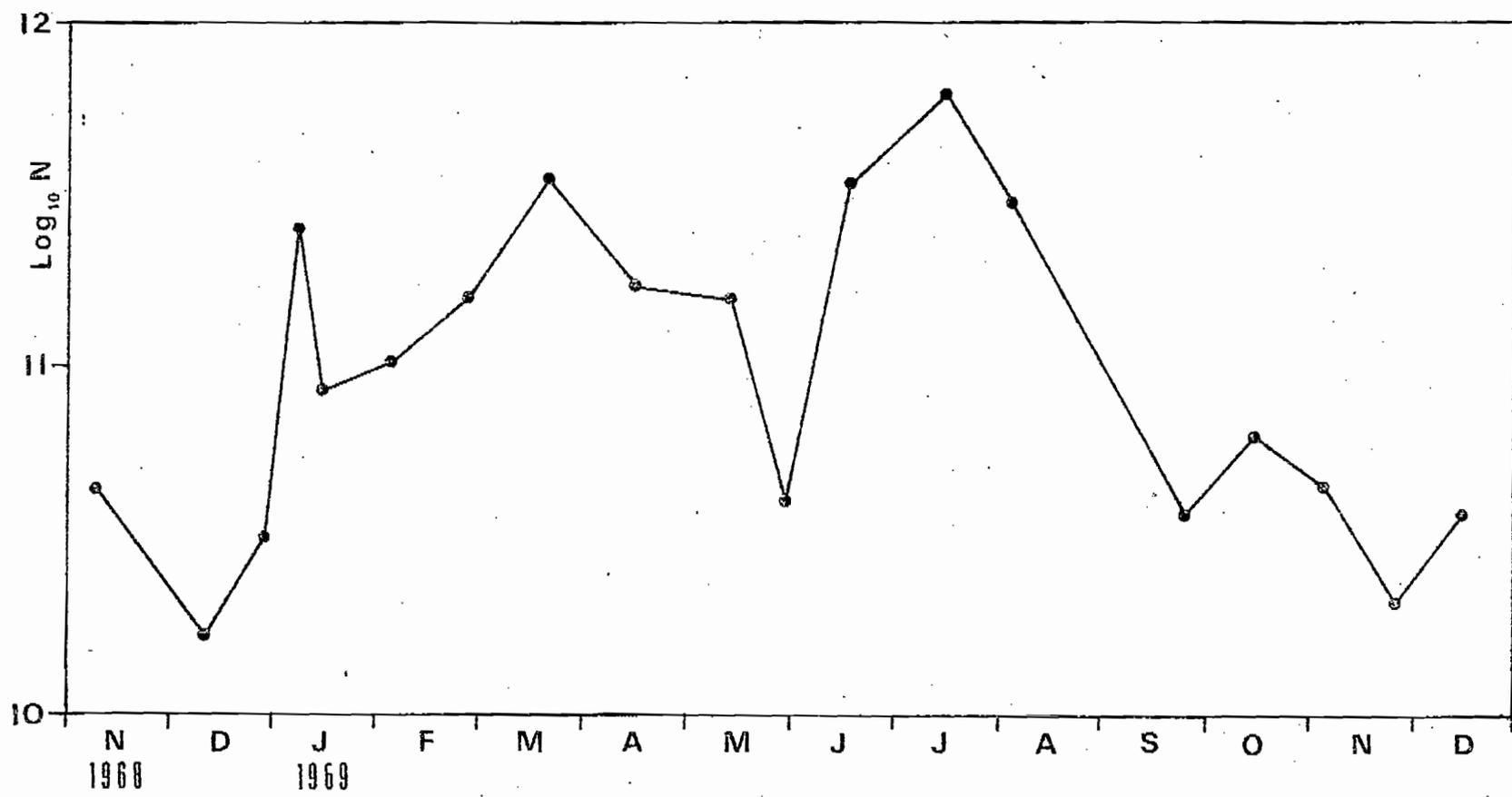


Fig. 7-3 f

Sagitta littoralis

Fig. 7-40

Sagitta ferox

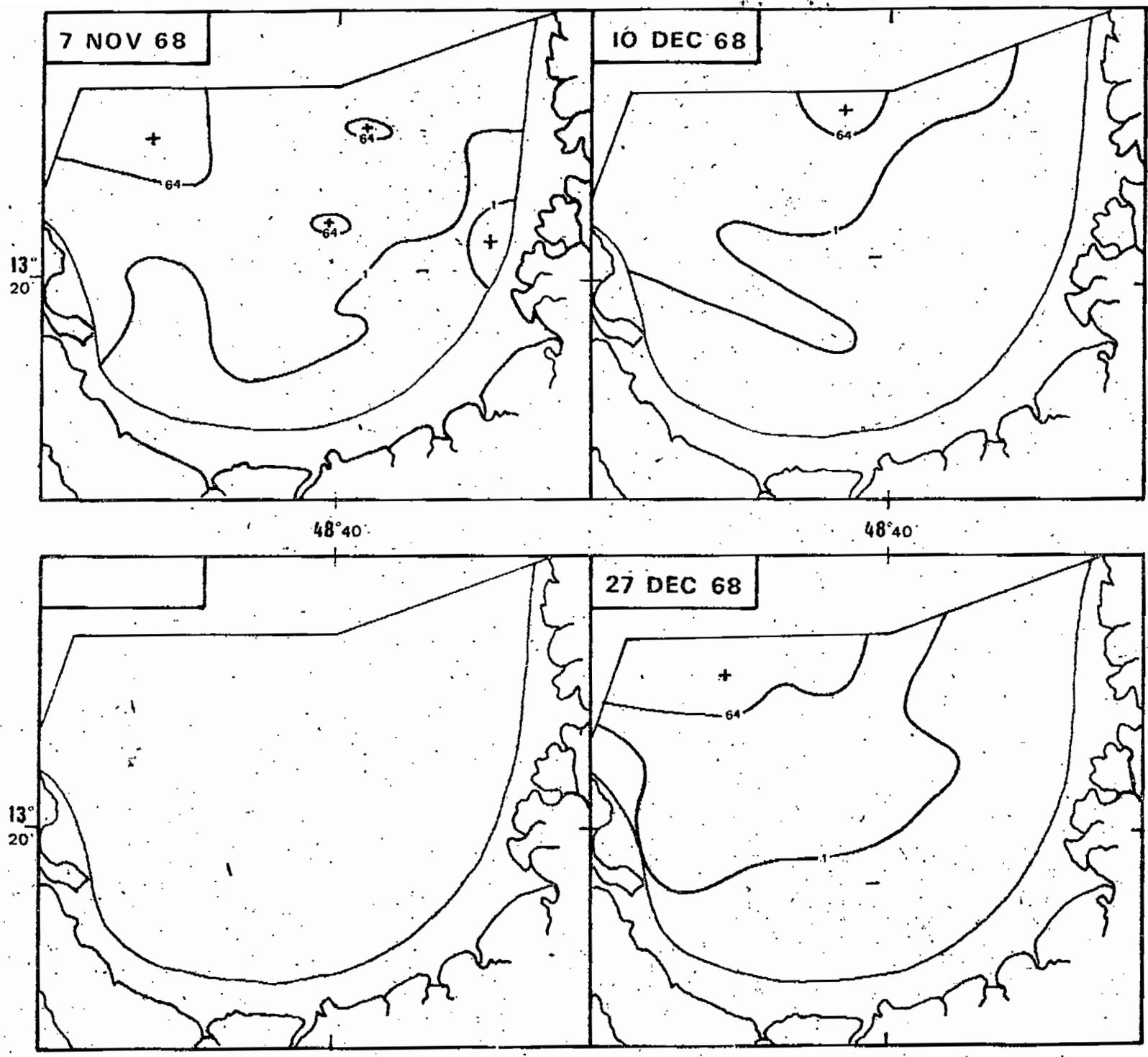


Fig. 7-4b

Sagitta ferox

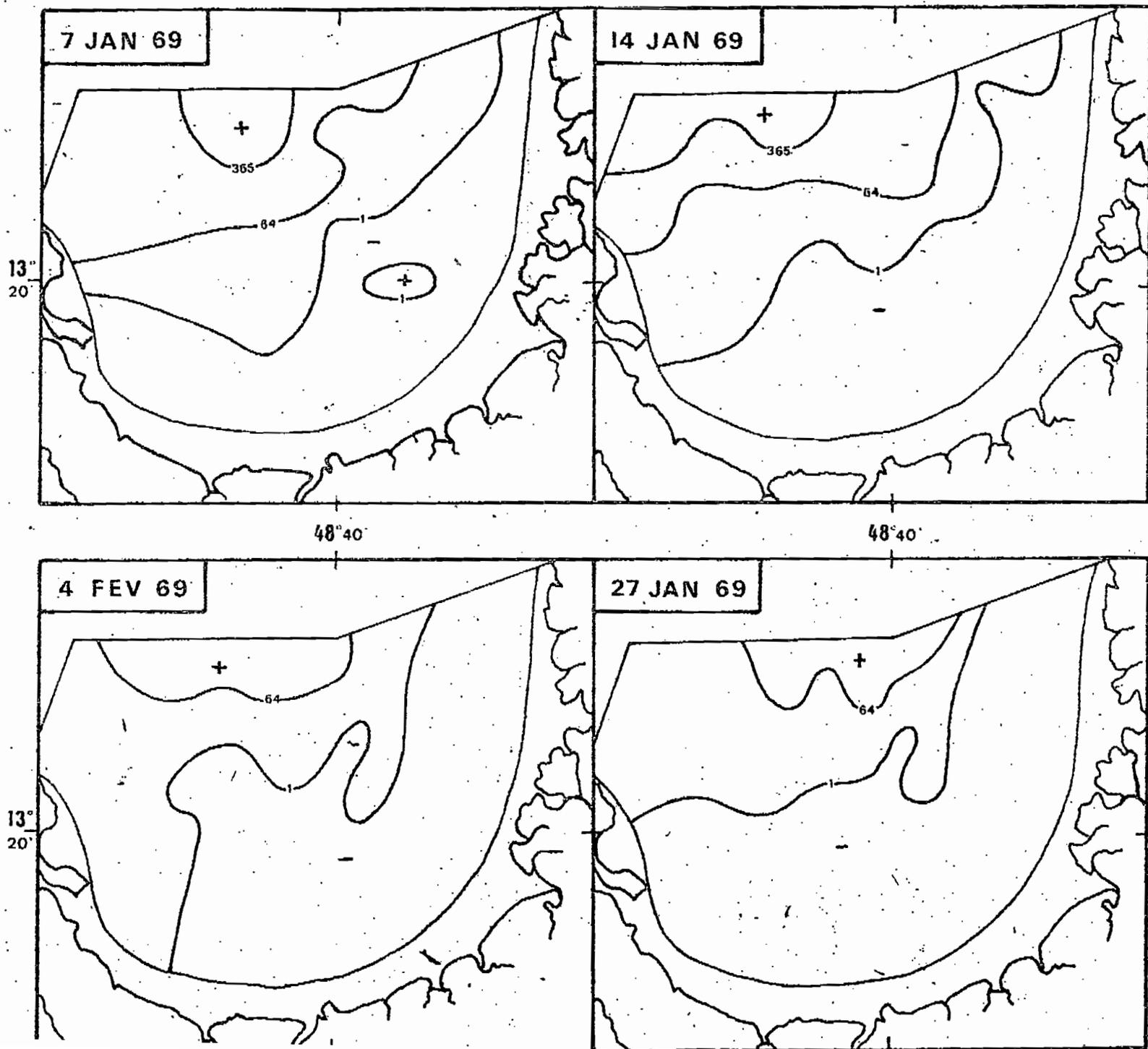


Fig. 7-4c

Sagitta ferox

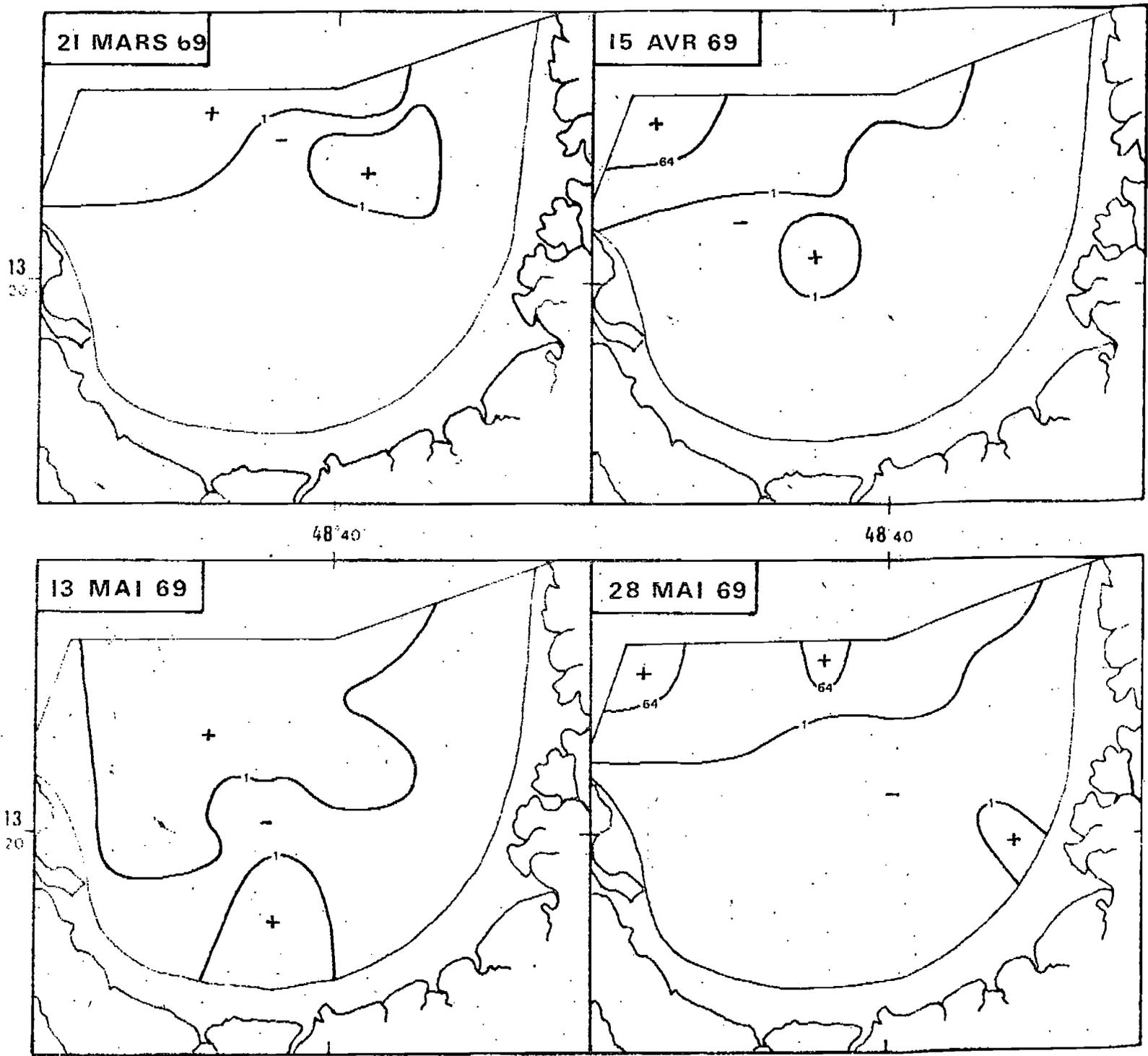


Fig 7-4d

Sagitta ferox

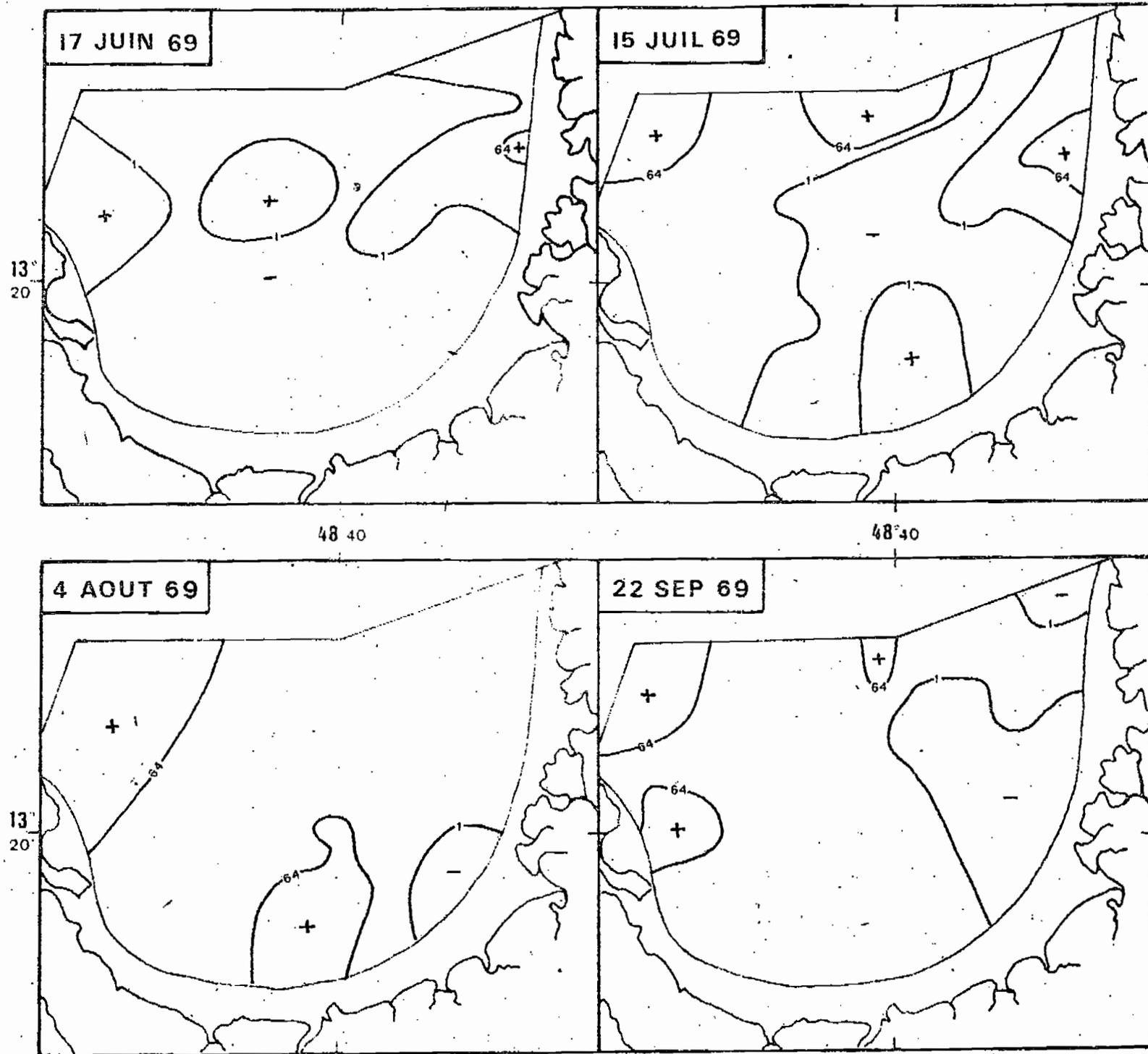
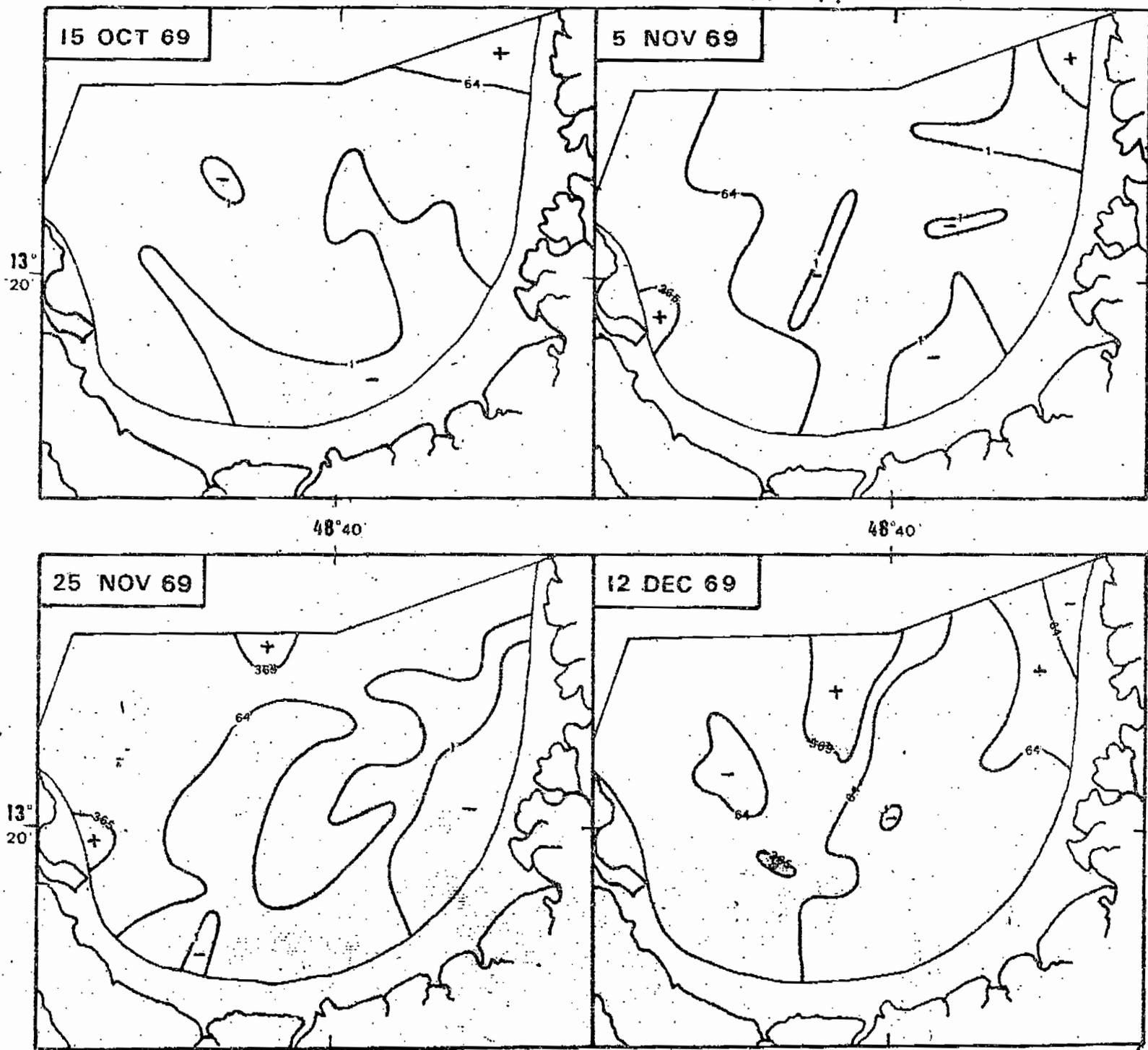


Fig. 7-4e

Sagitta ferrox



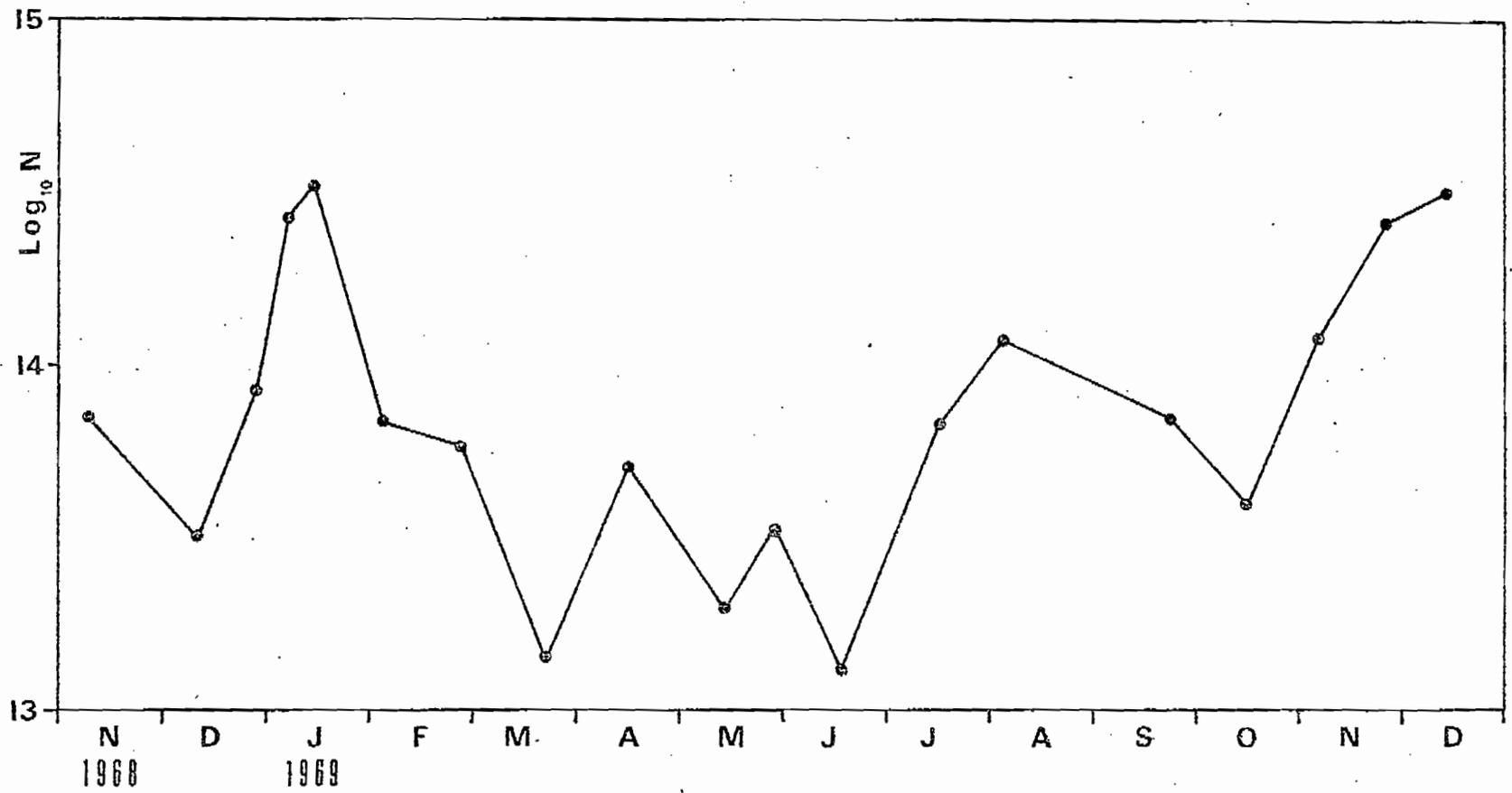
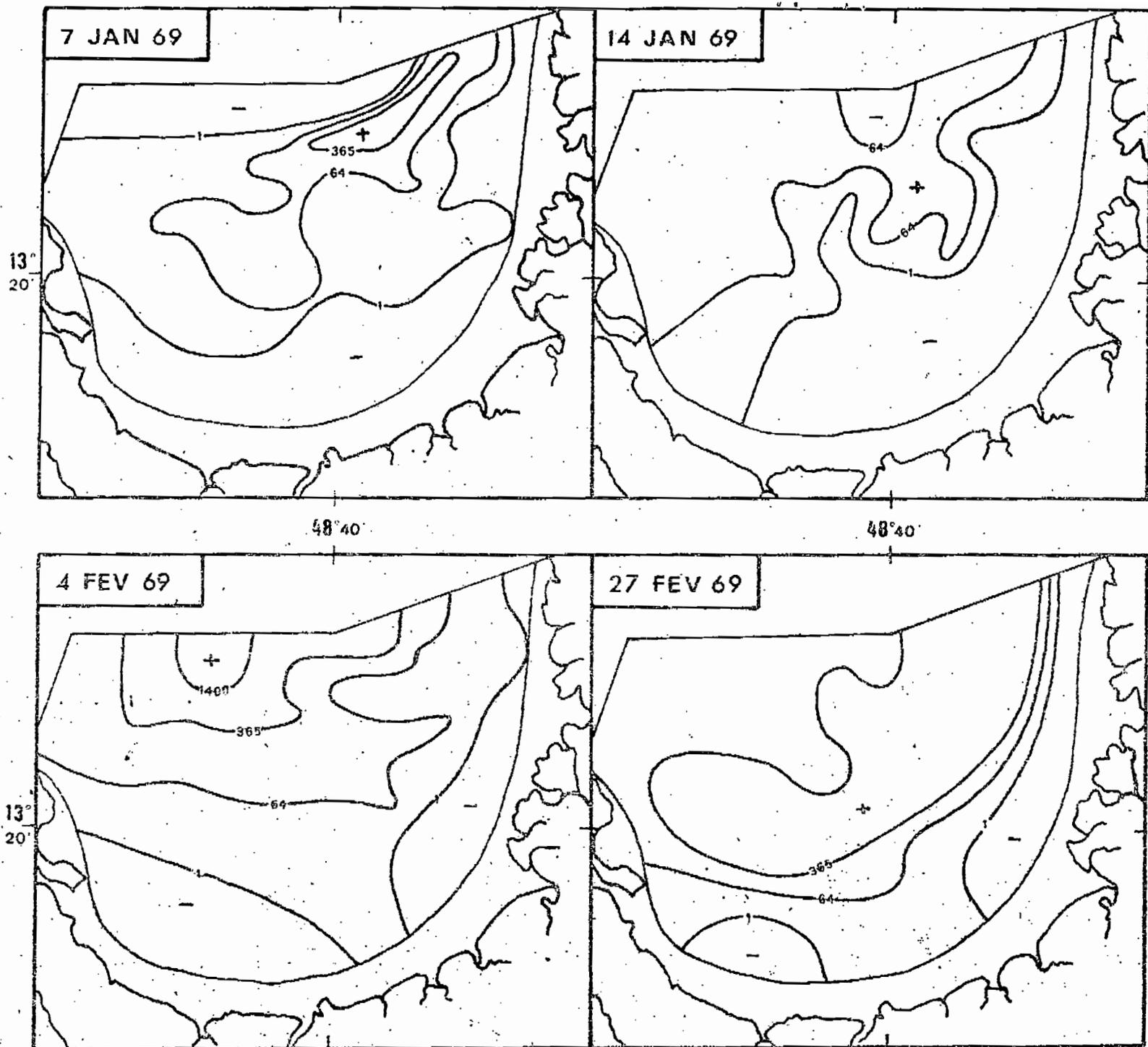


Fig 7-4 f

Sagitta ferox

Fig. 7-5 b

Sagitta bedfordii



7-5a
Waikato Bay

Fig. 7-5 c

Sagitta bedfordii

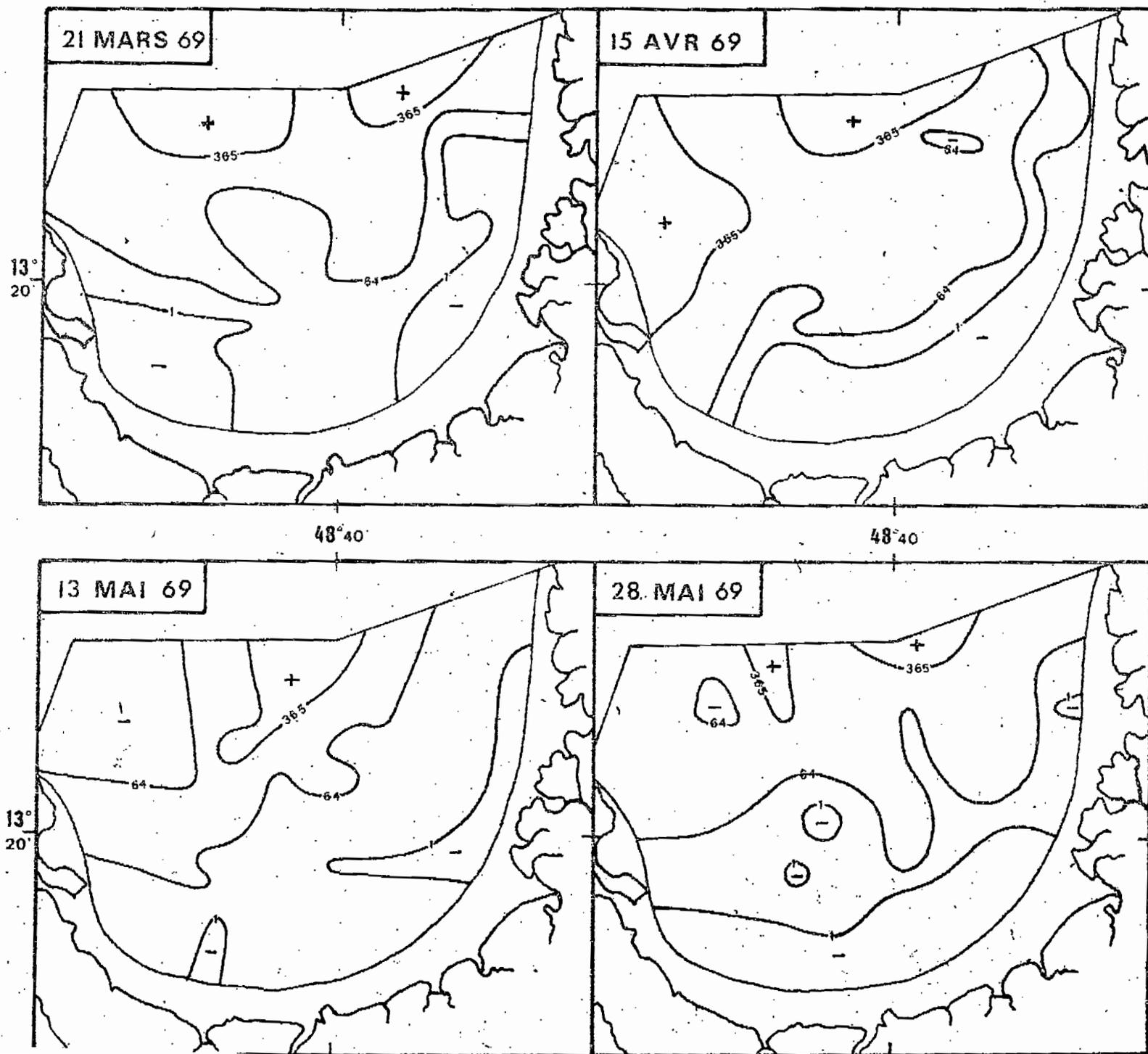


Fig. 7-5 d

Sagitta bedfordii

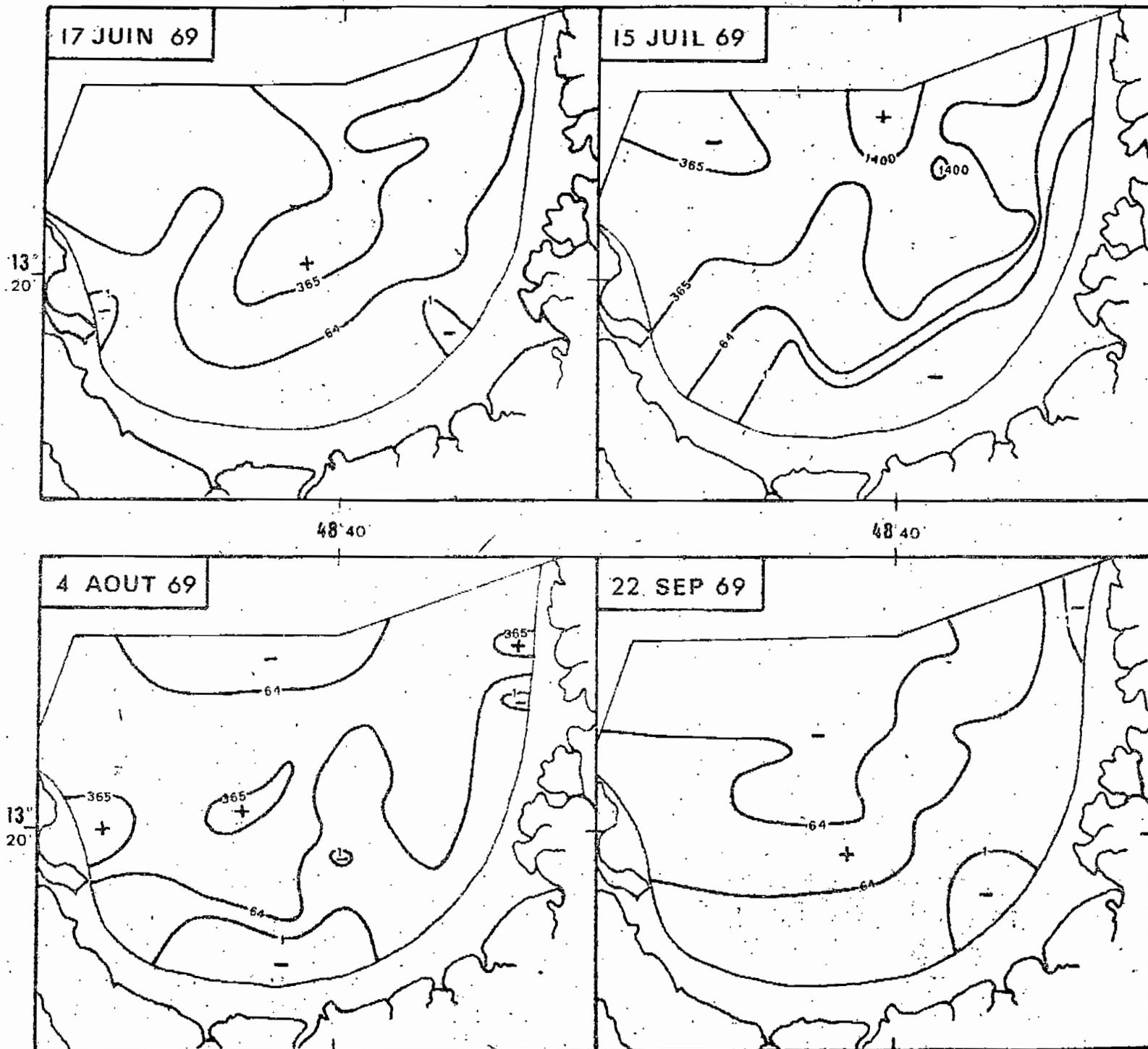
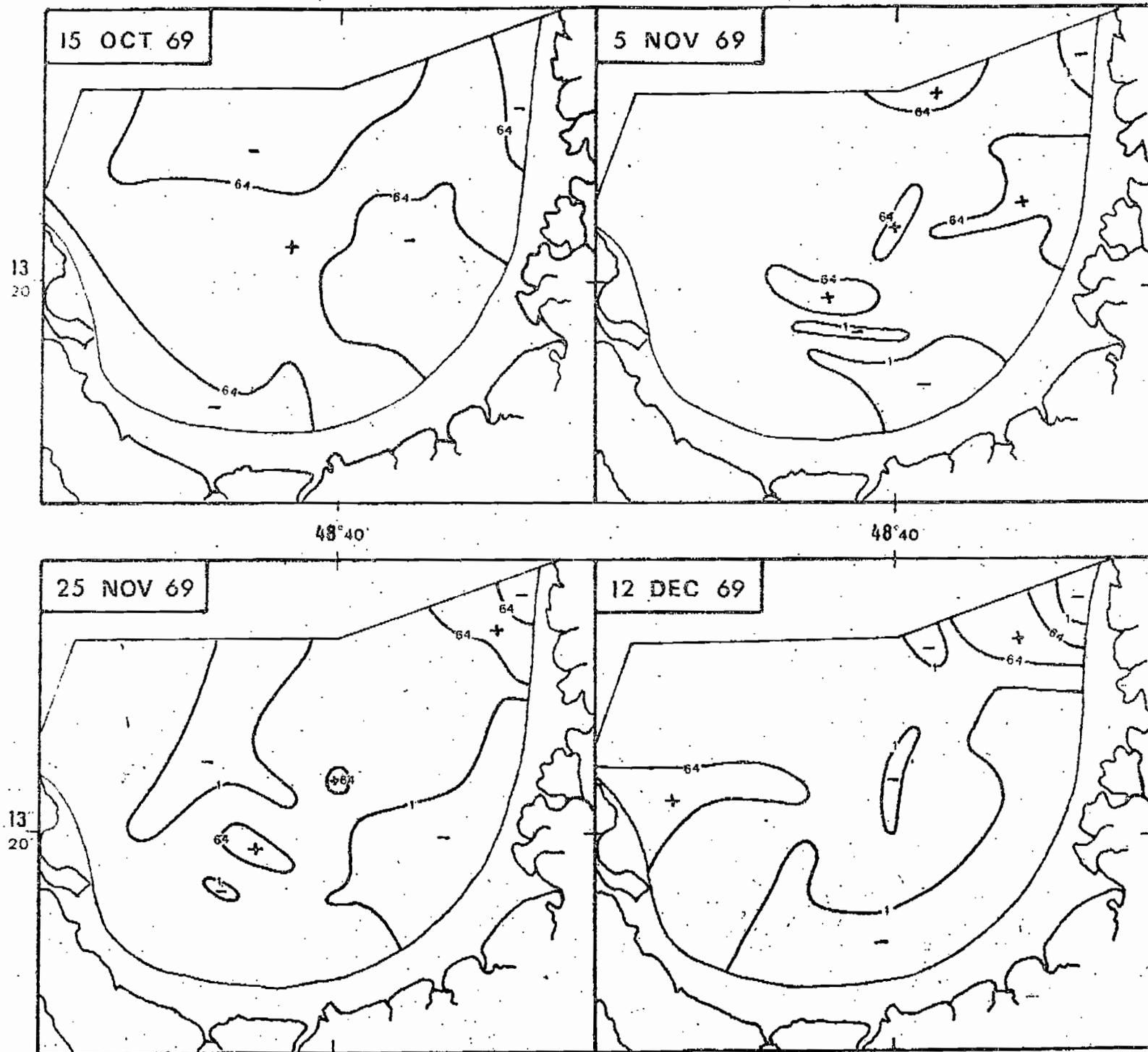


Fig. 7-5 a

Sagitta bedfordii



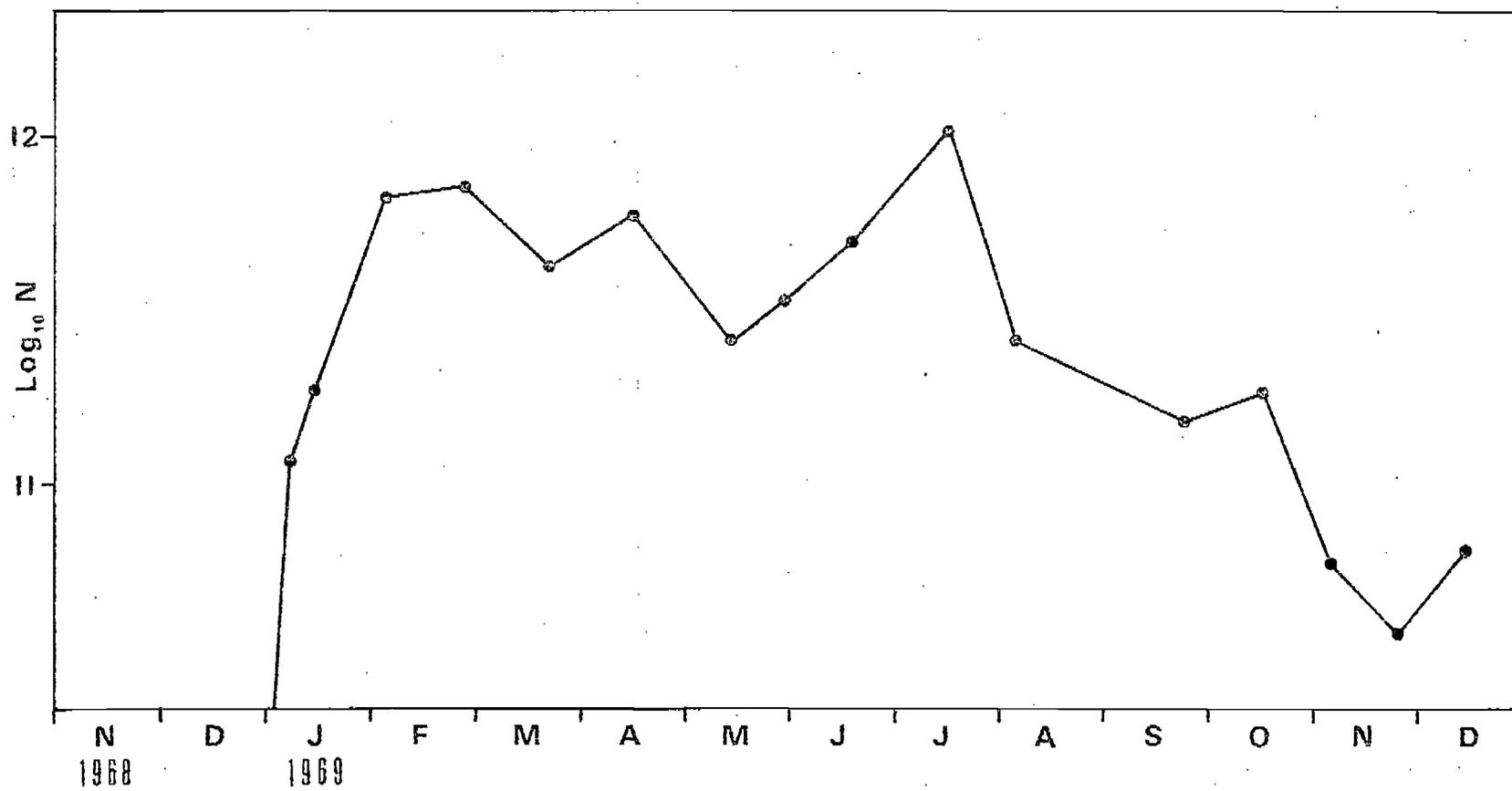


Fig. 7-5 f

Sagitta bedfordii

Fig. 7 - 60

Krohnitta pacifica

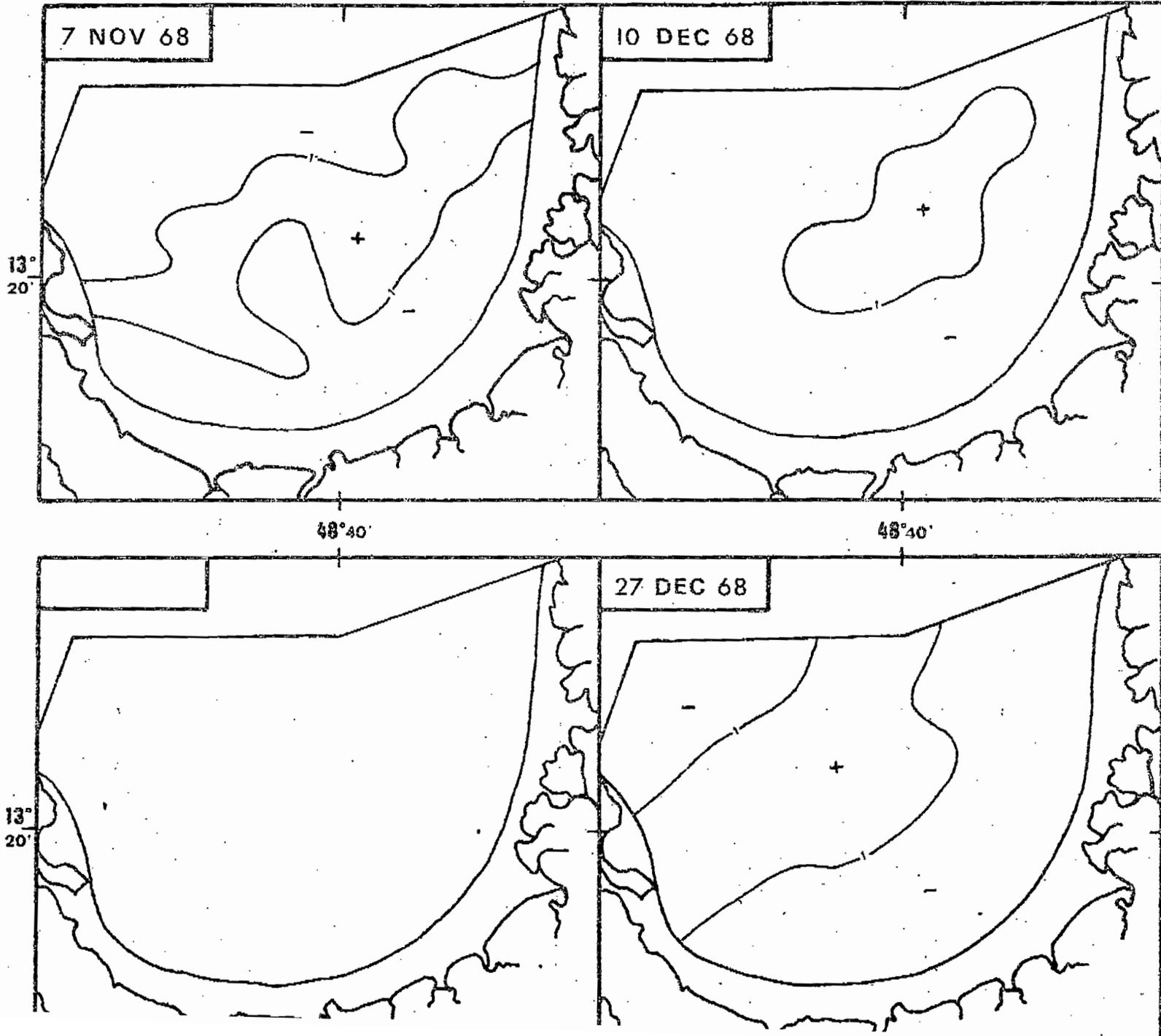


Fig. 7 - 6 b

Krohnitta pacifica

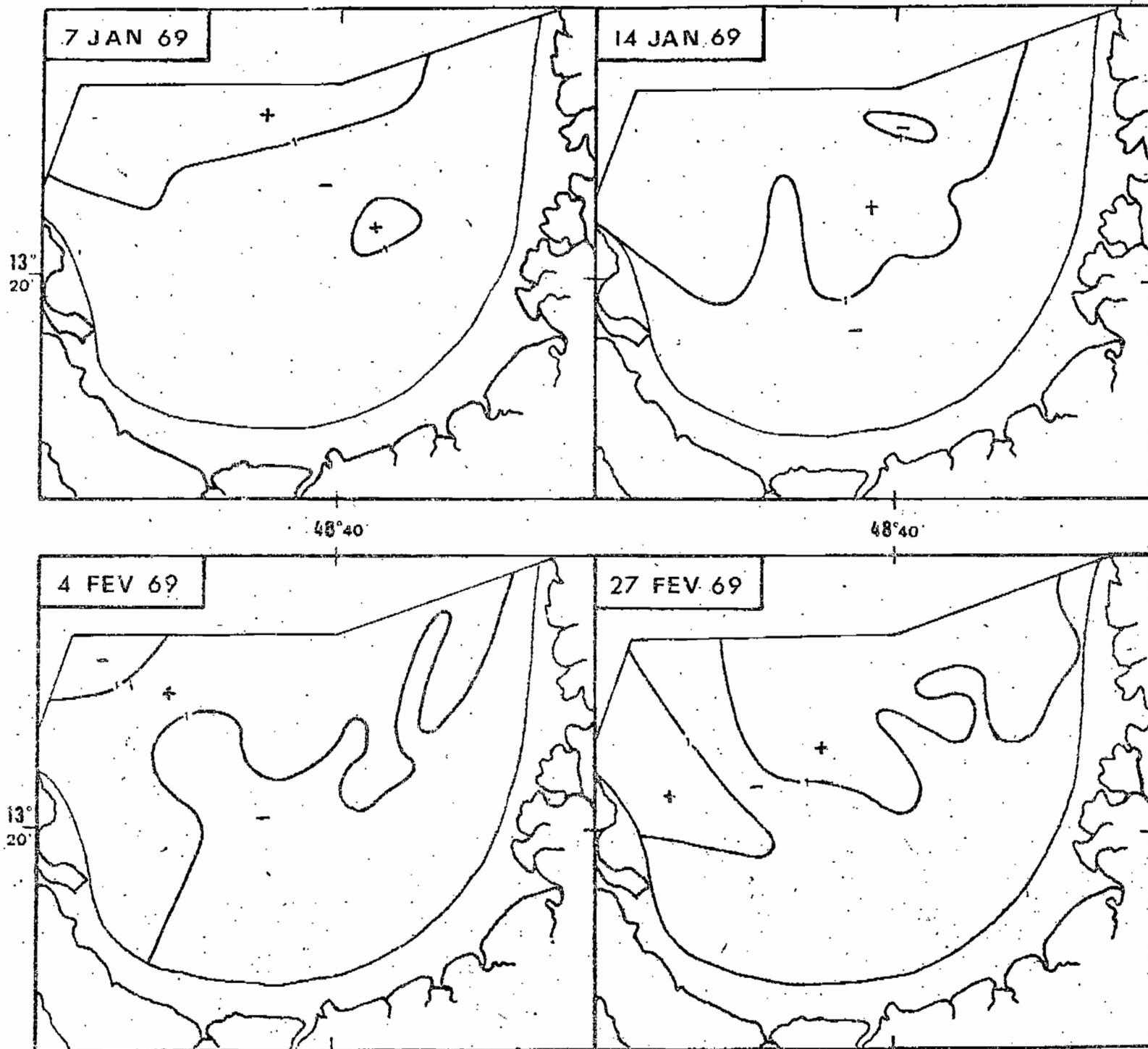


Fig. 7-6 c

Krohnitta pacifica

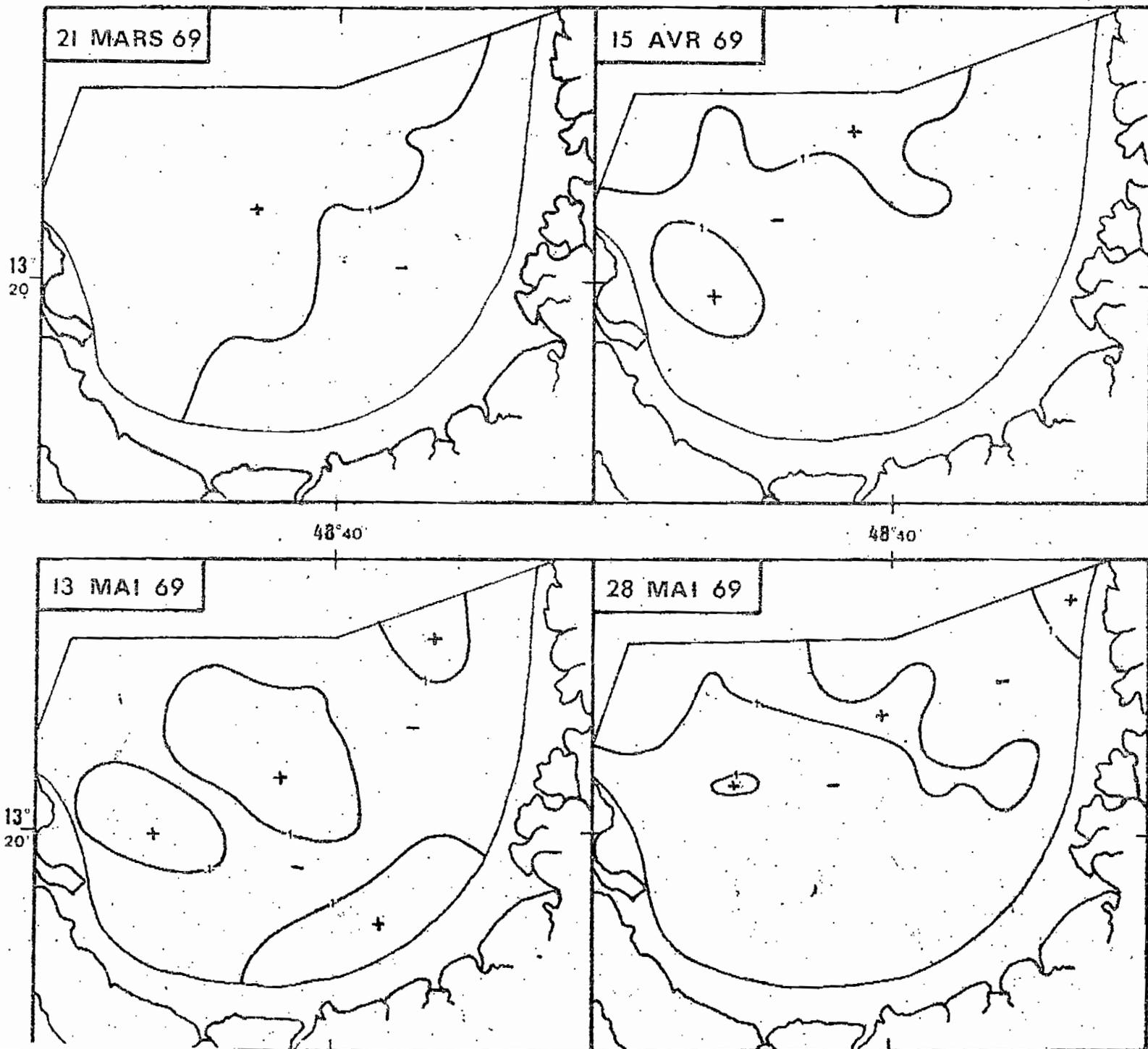


Fig. 7-6 d

Krohnitta pacifica

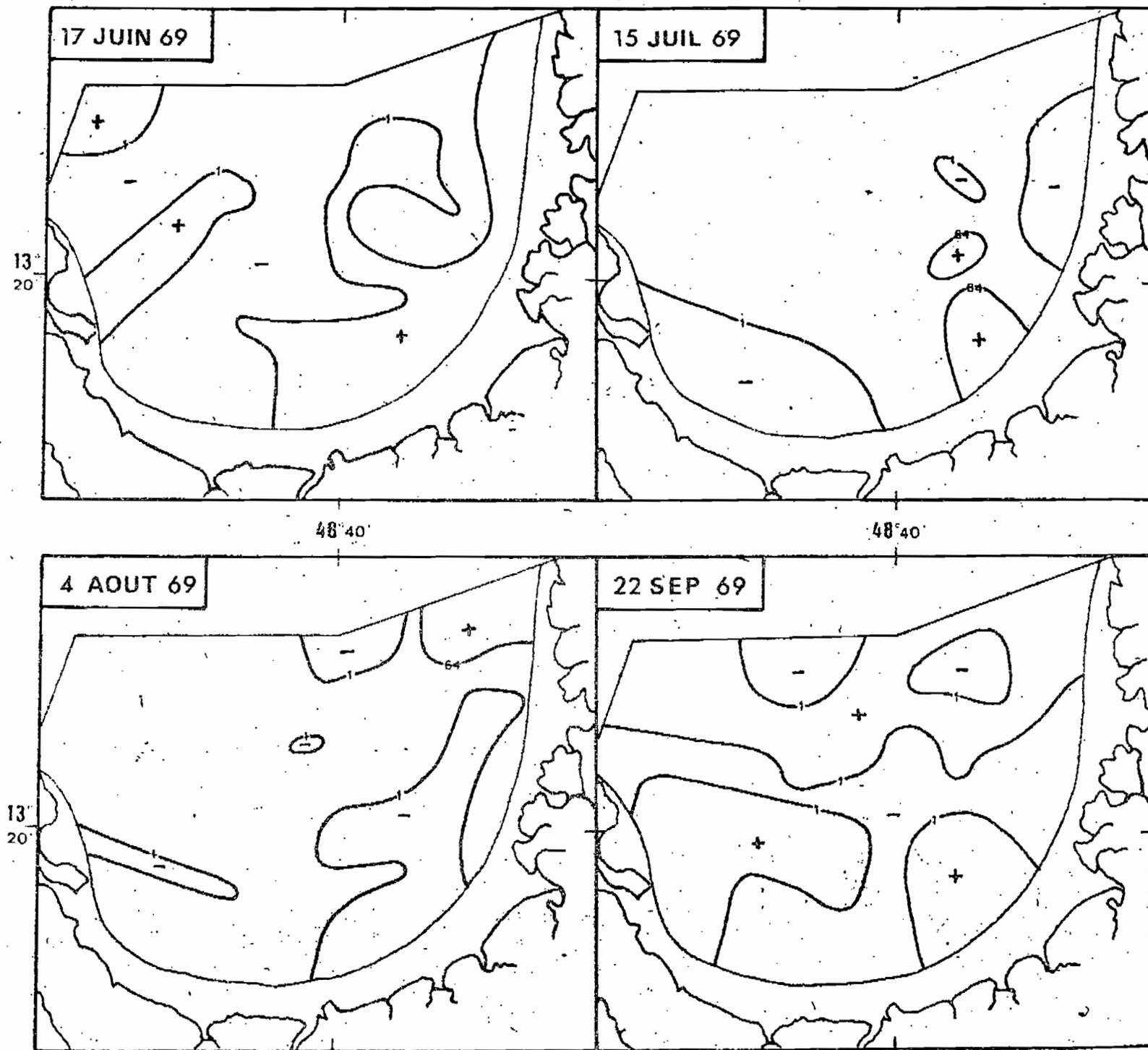
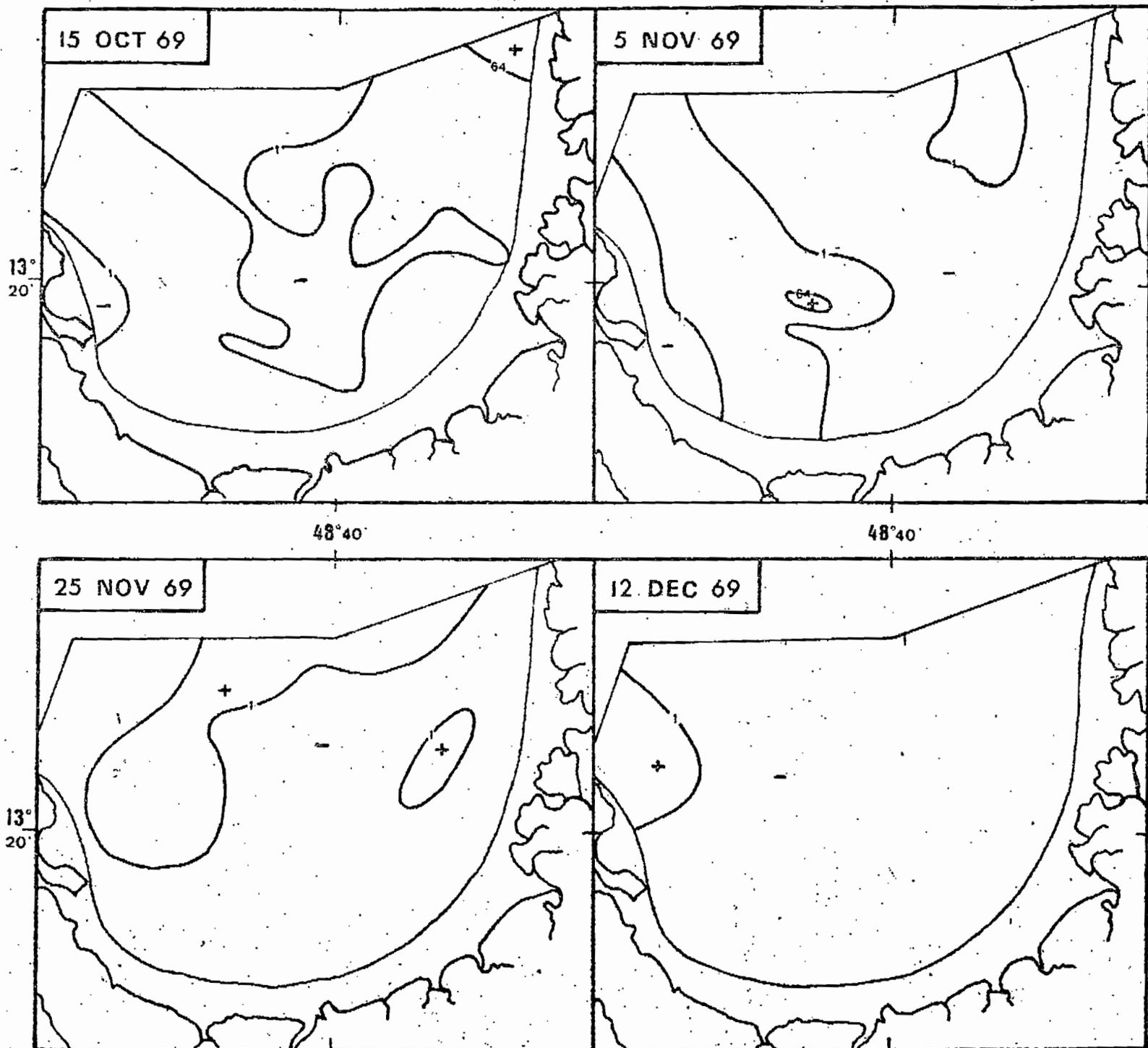


Fig. 7-6e

Krohnitta pacifica



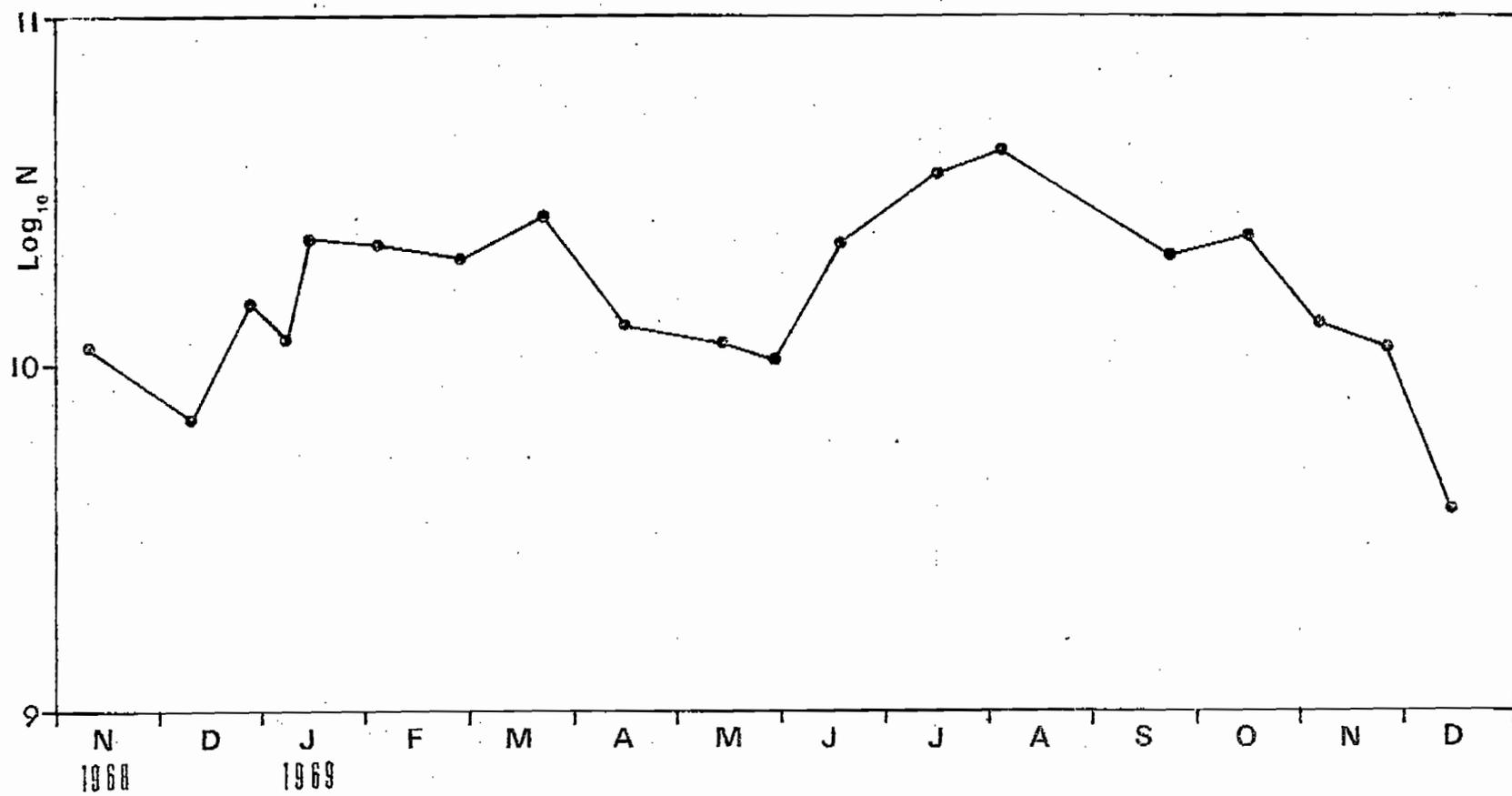


Fig. 7-6 f

Krohnitta pacifica

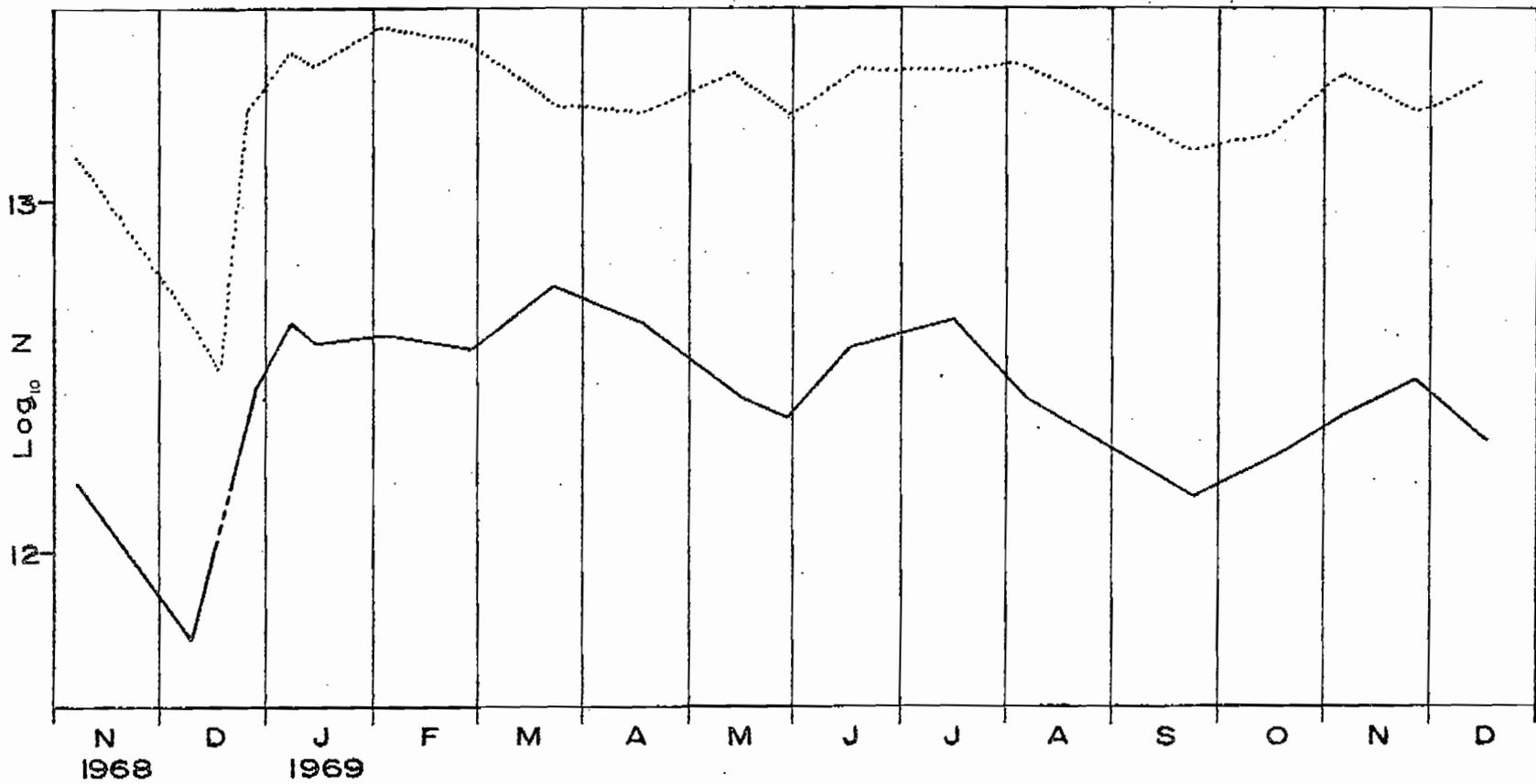


Fig. 7- 7 f

.....
Total Copépodes

—————
Total Chaetognathes

Fig. 7-8 a

Lucifer hanseni = zoës

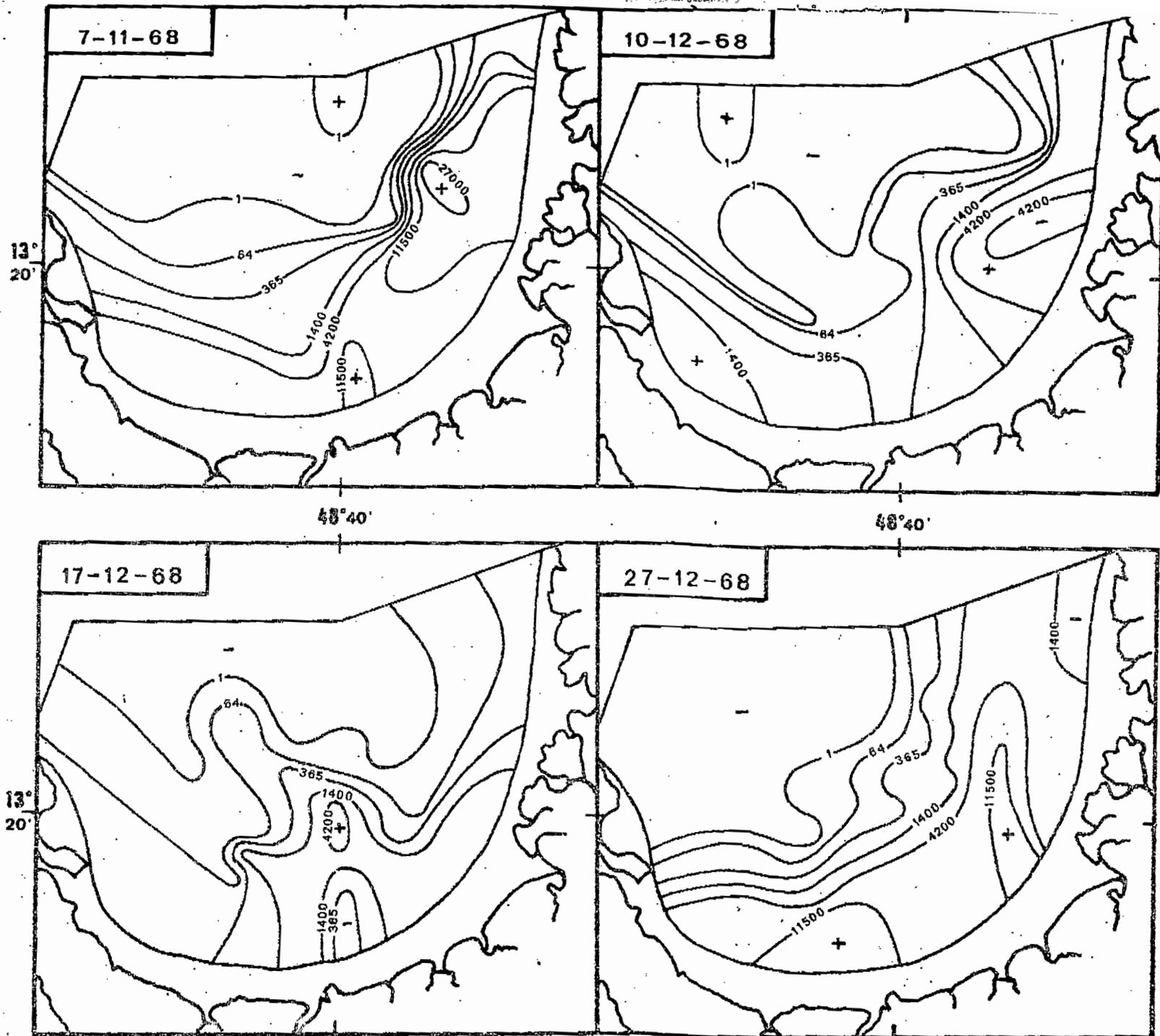
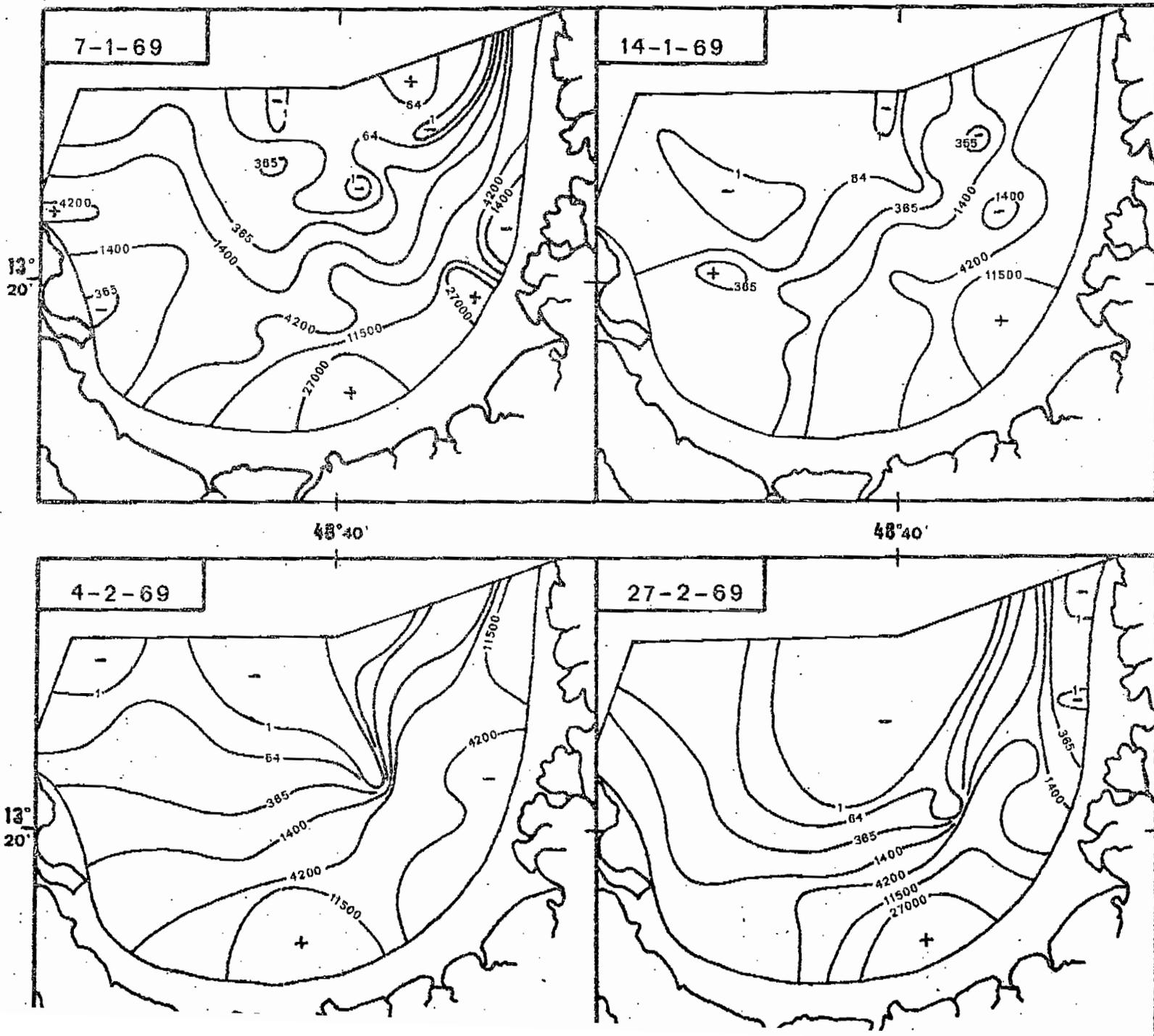


Fig. 7-8 b

Lucifer hanseni-zoës



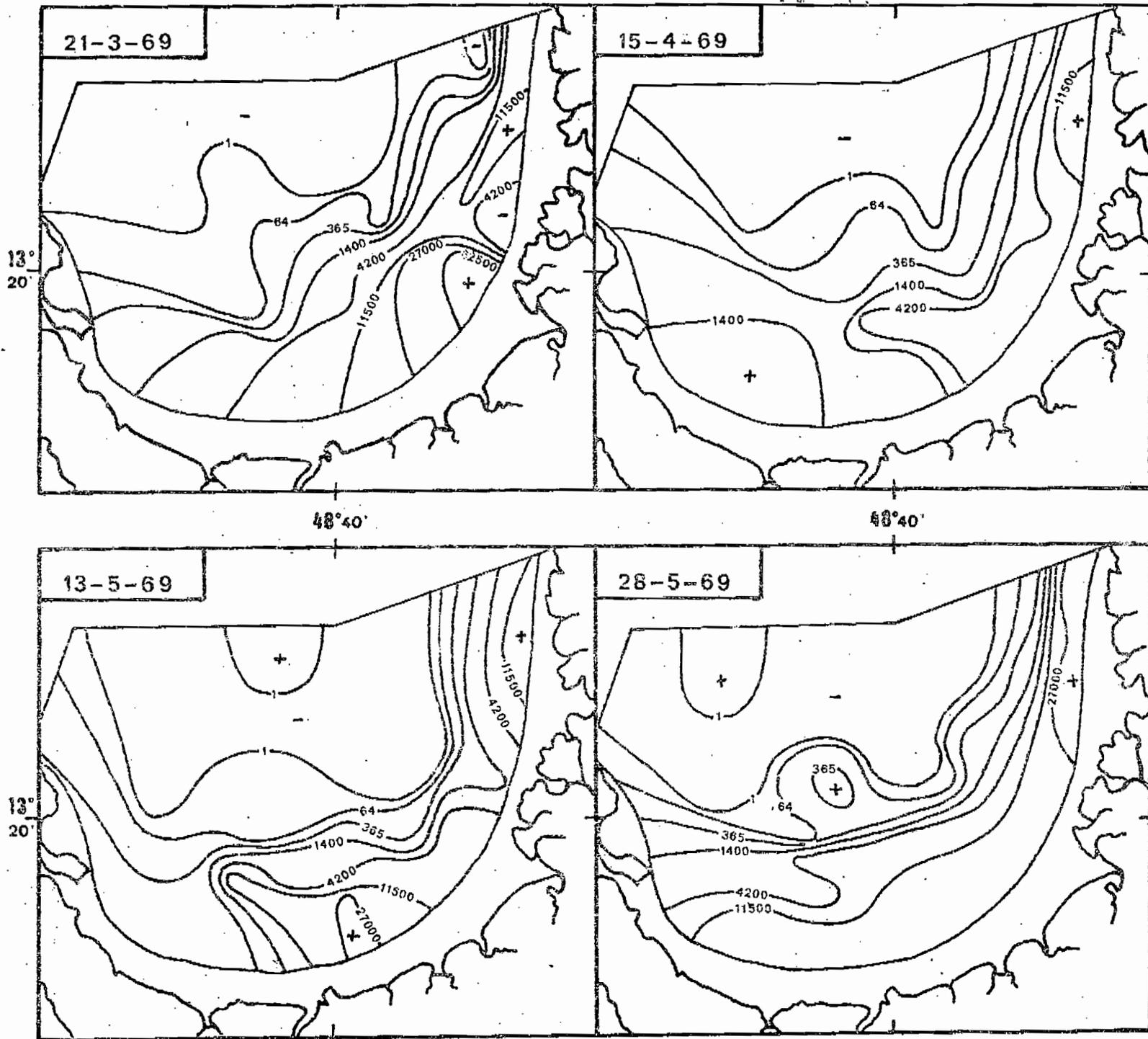


Fig. 7-8d

Lucifer hanseni=zoës

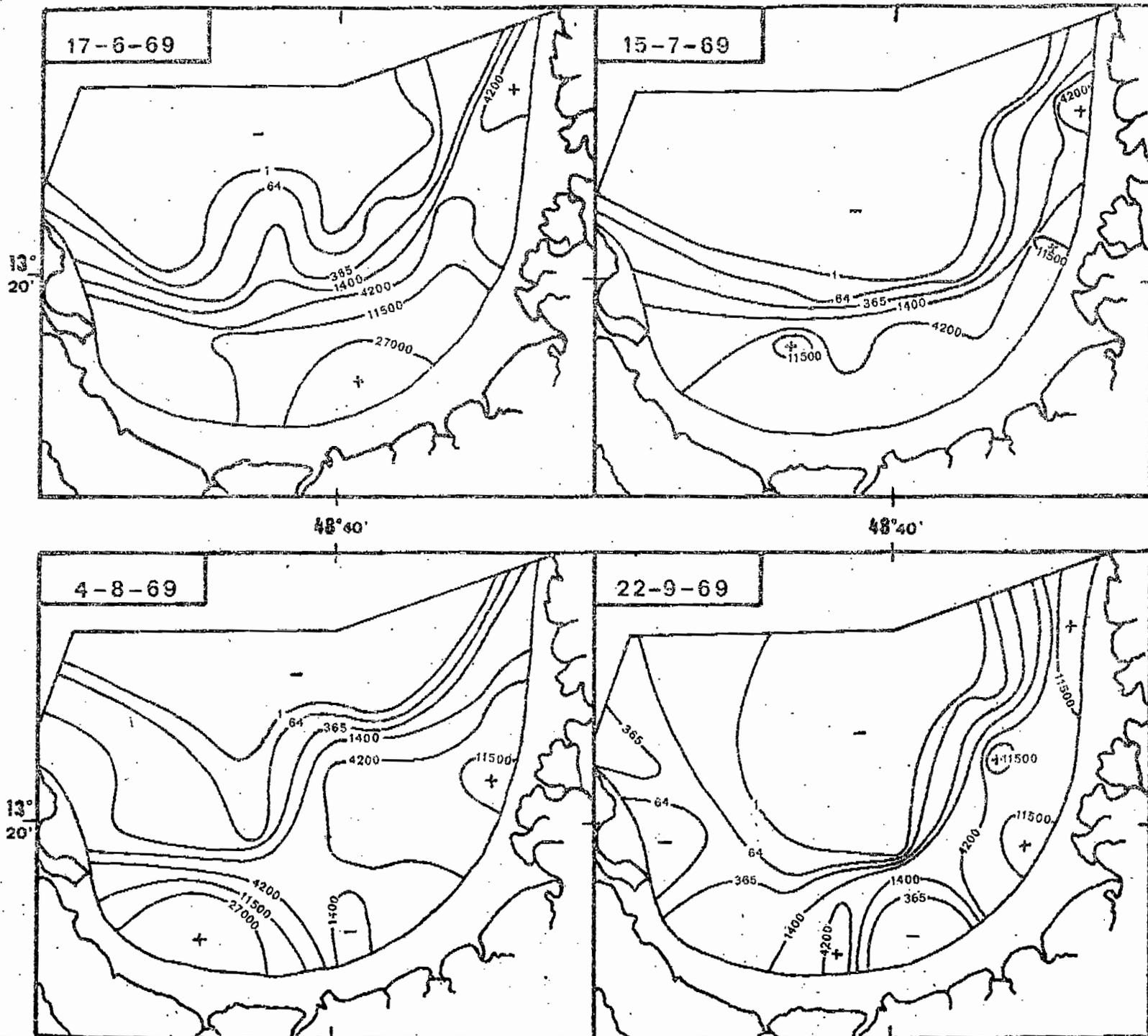
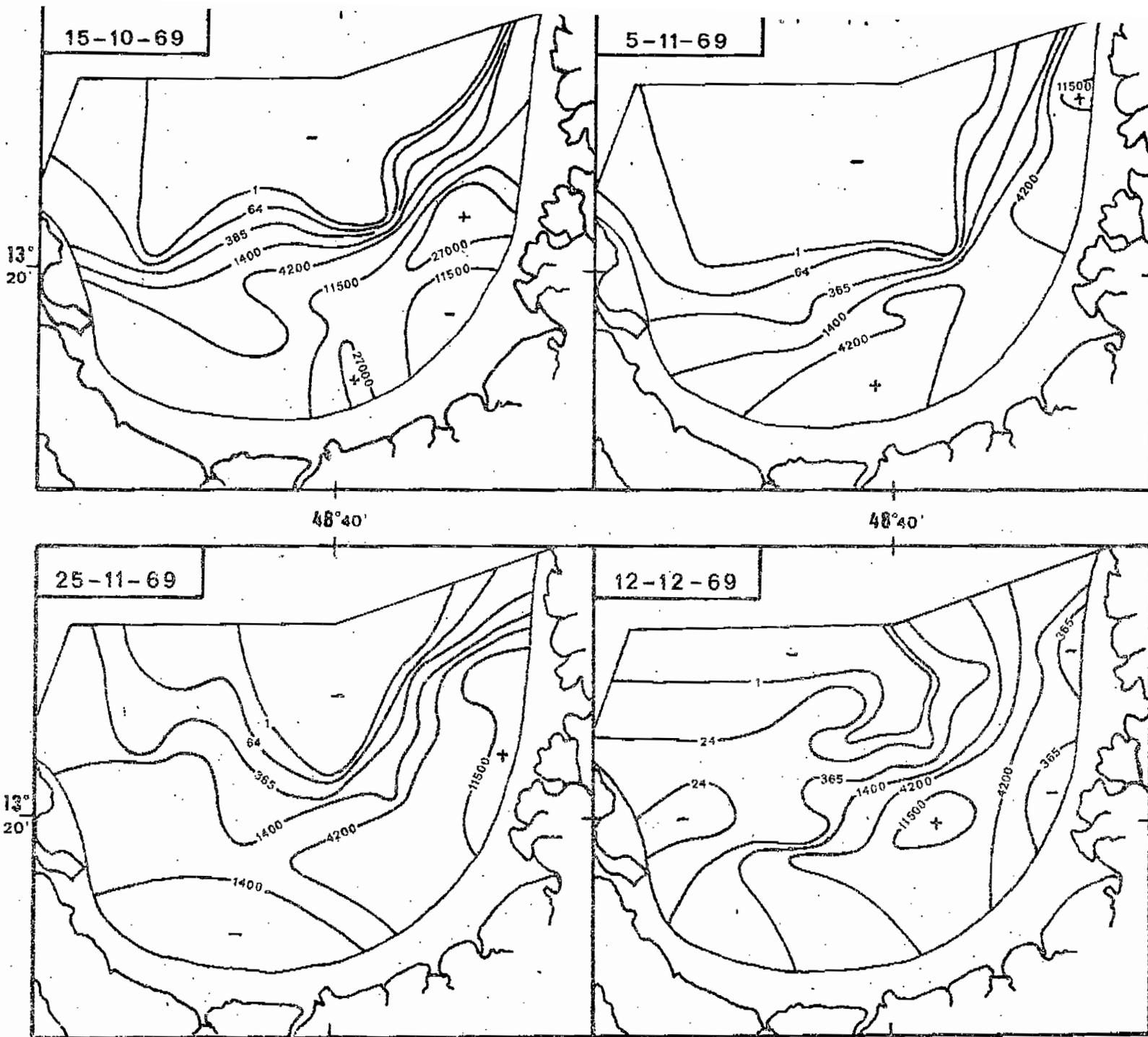


Fig. 7-8e

Lucifer hanseni-zoës



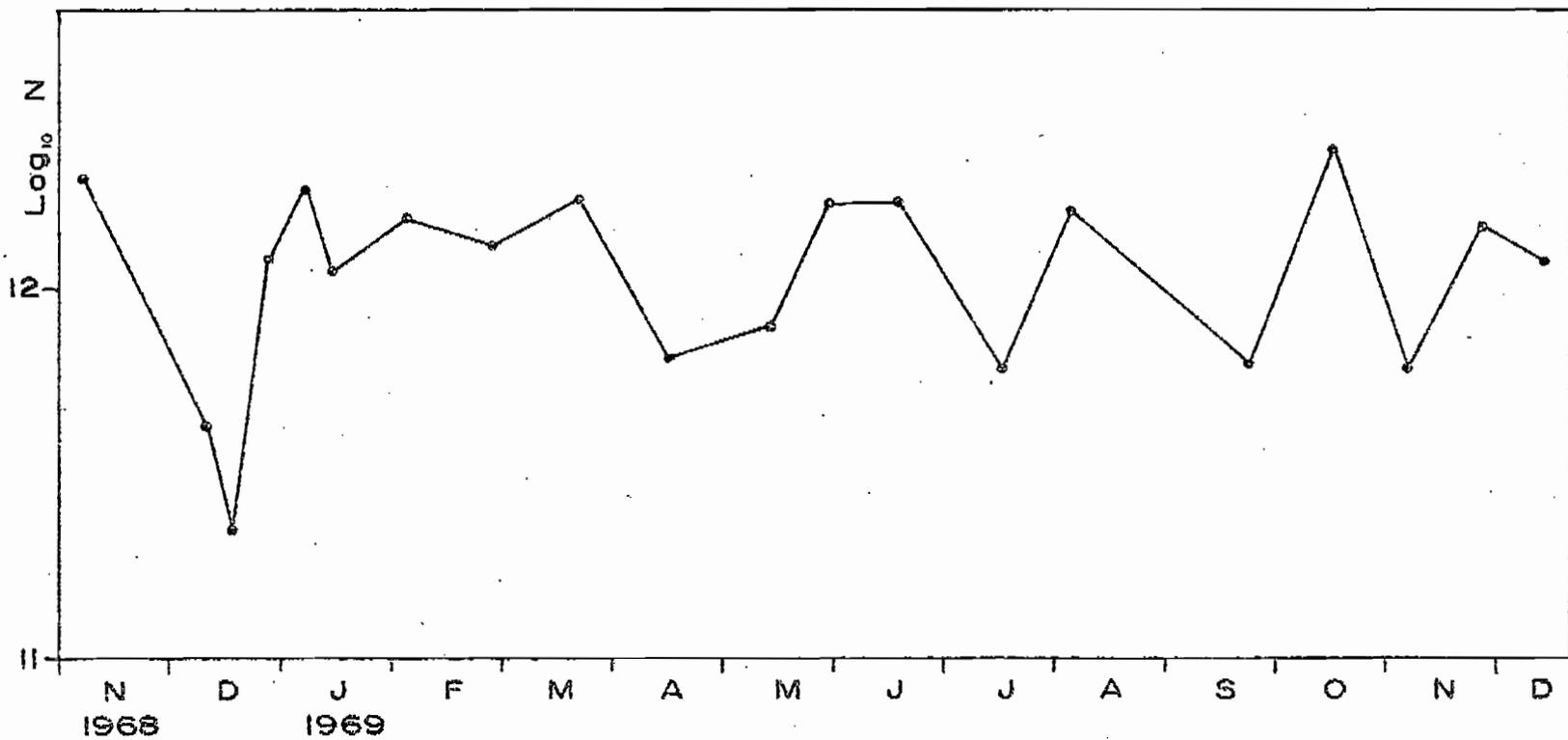


Fig. 7 - 8 f

L. hansenii zoés

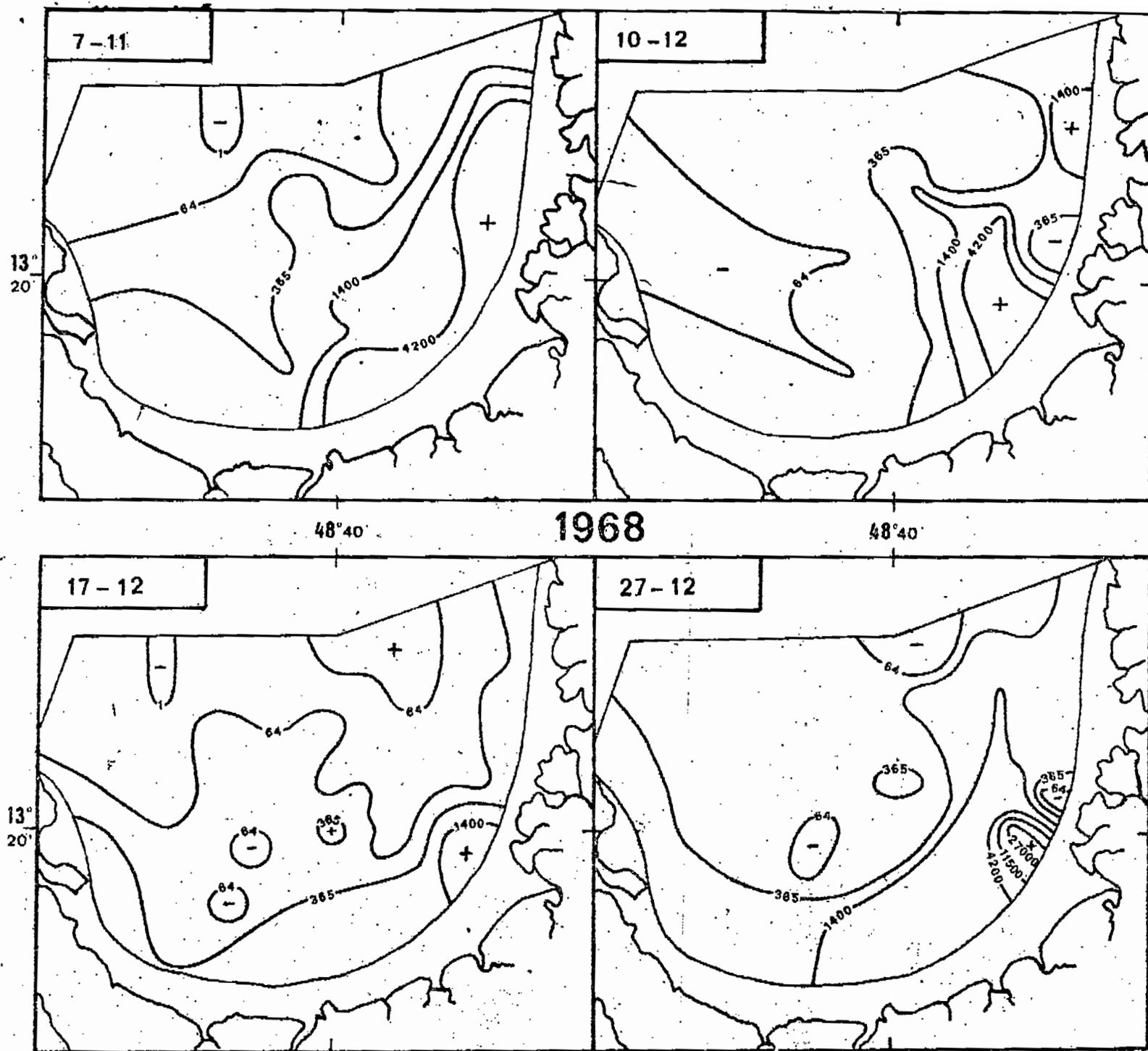
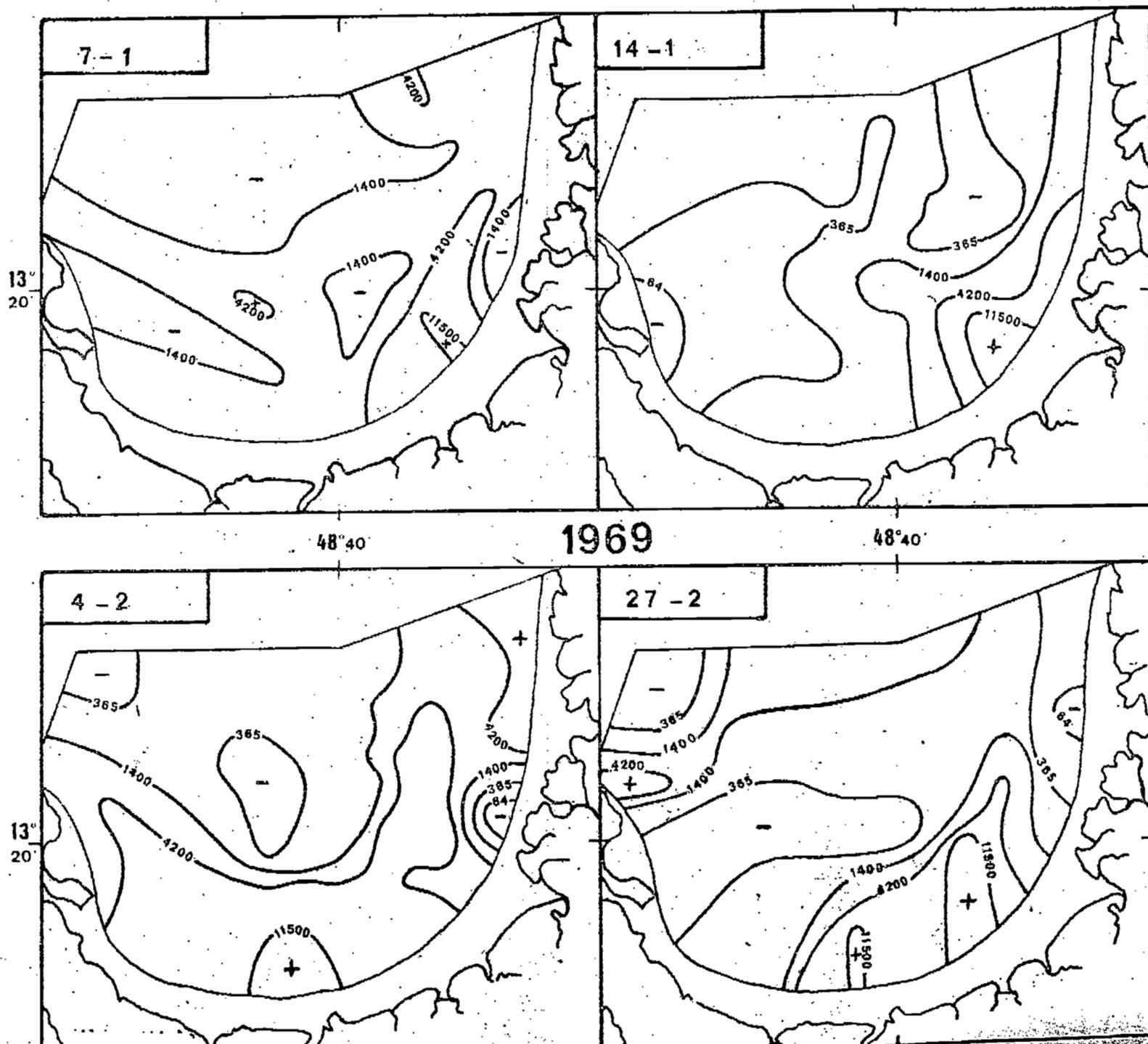
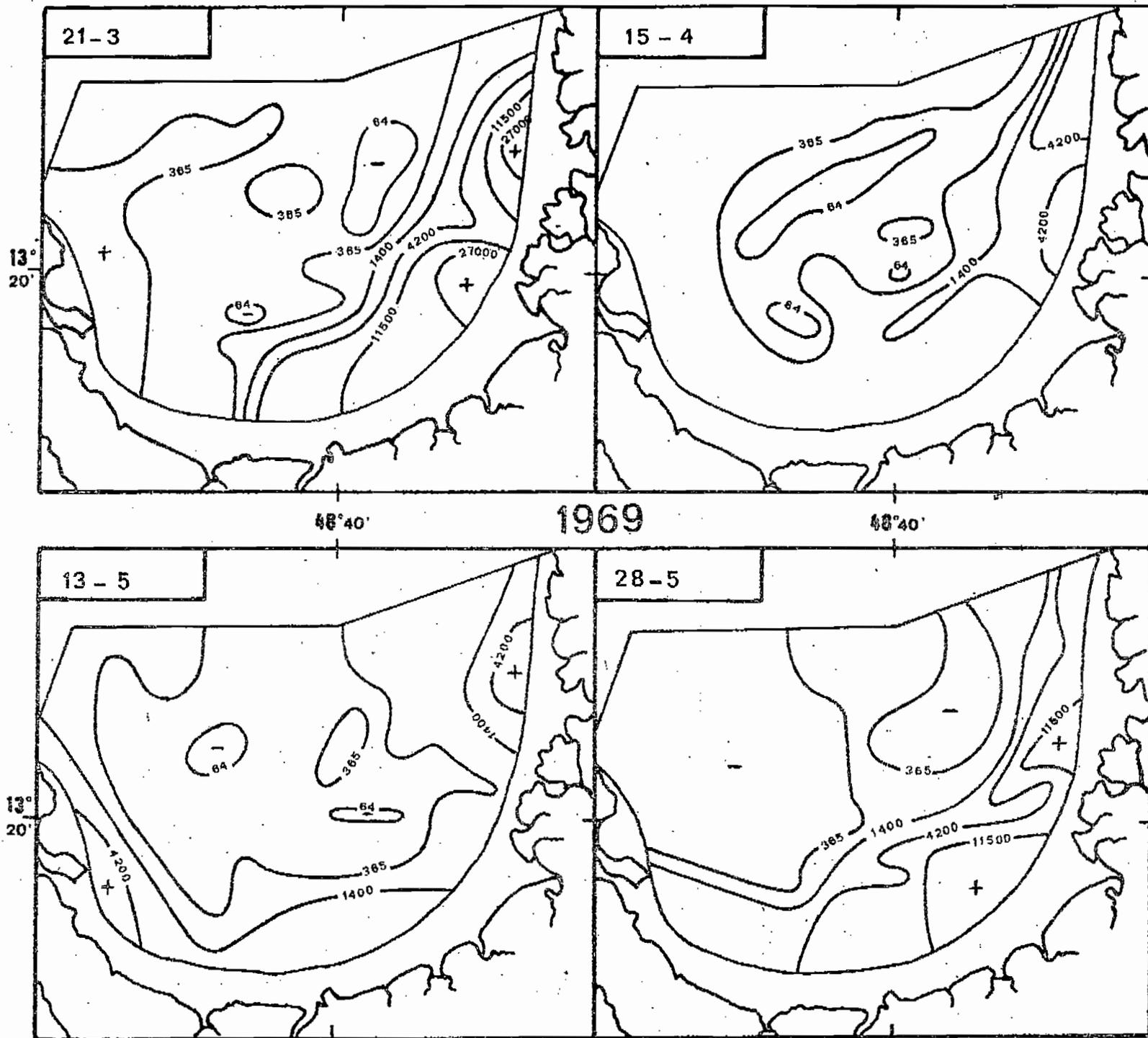
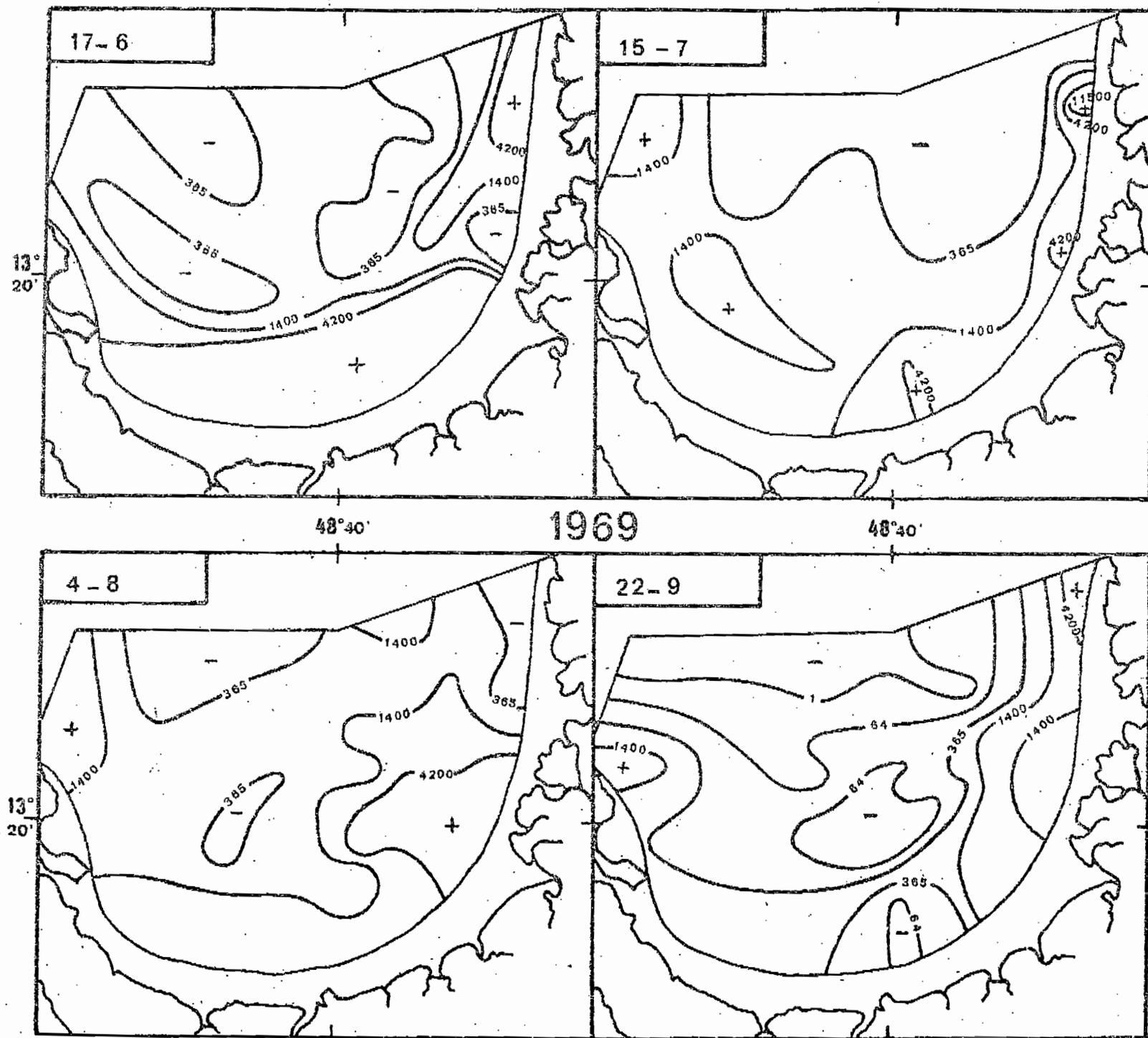


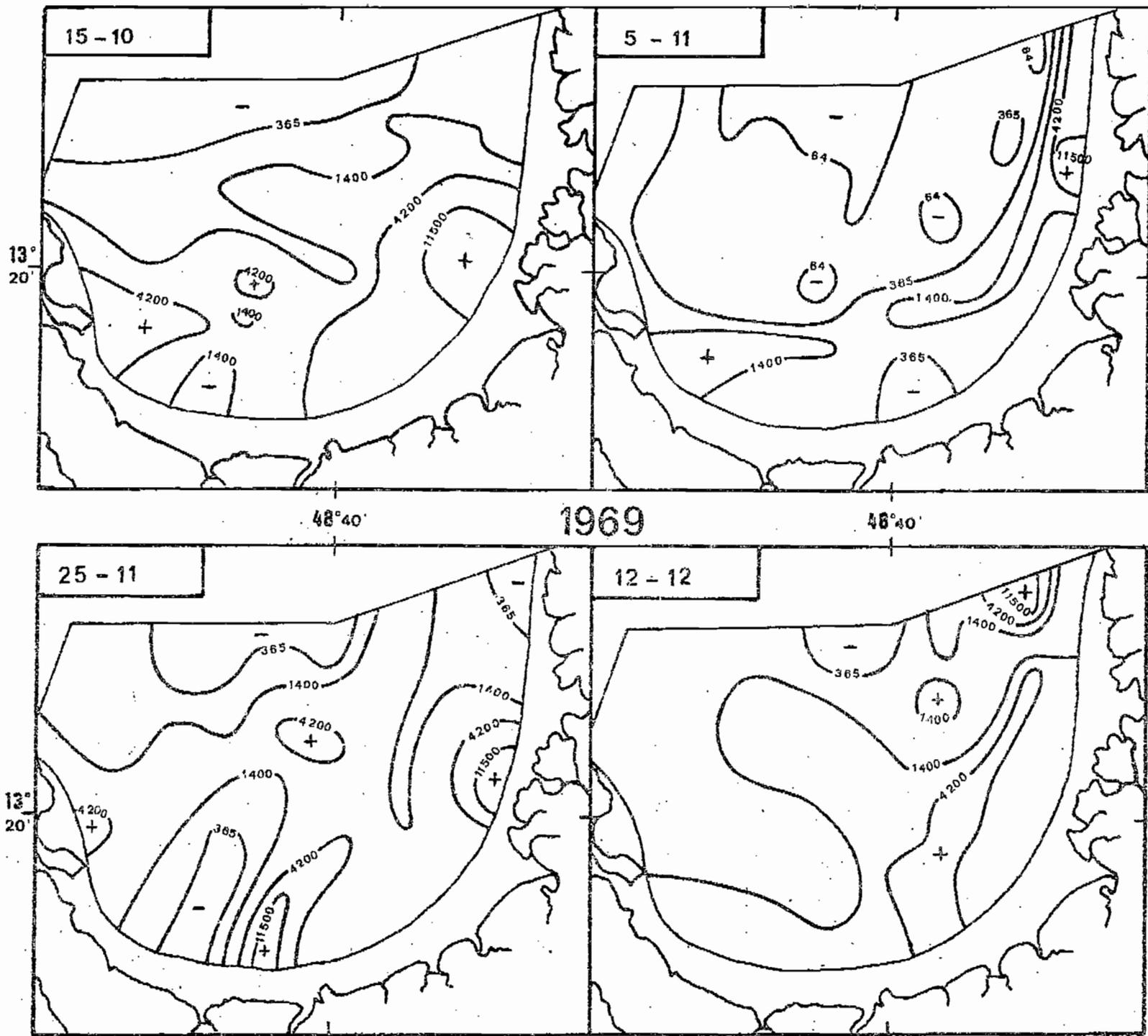
Fig. 7 - 9 b

Lucifer mysis









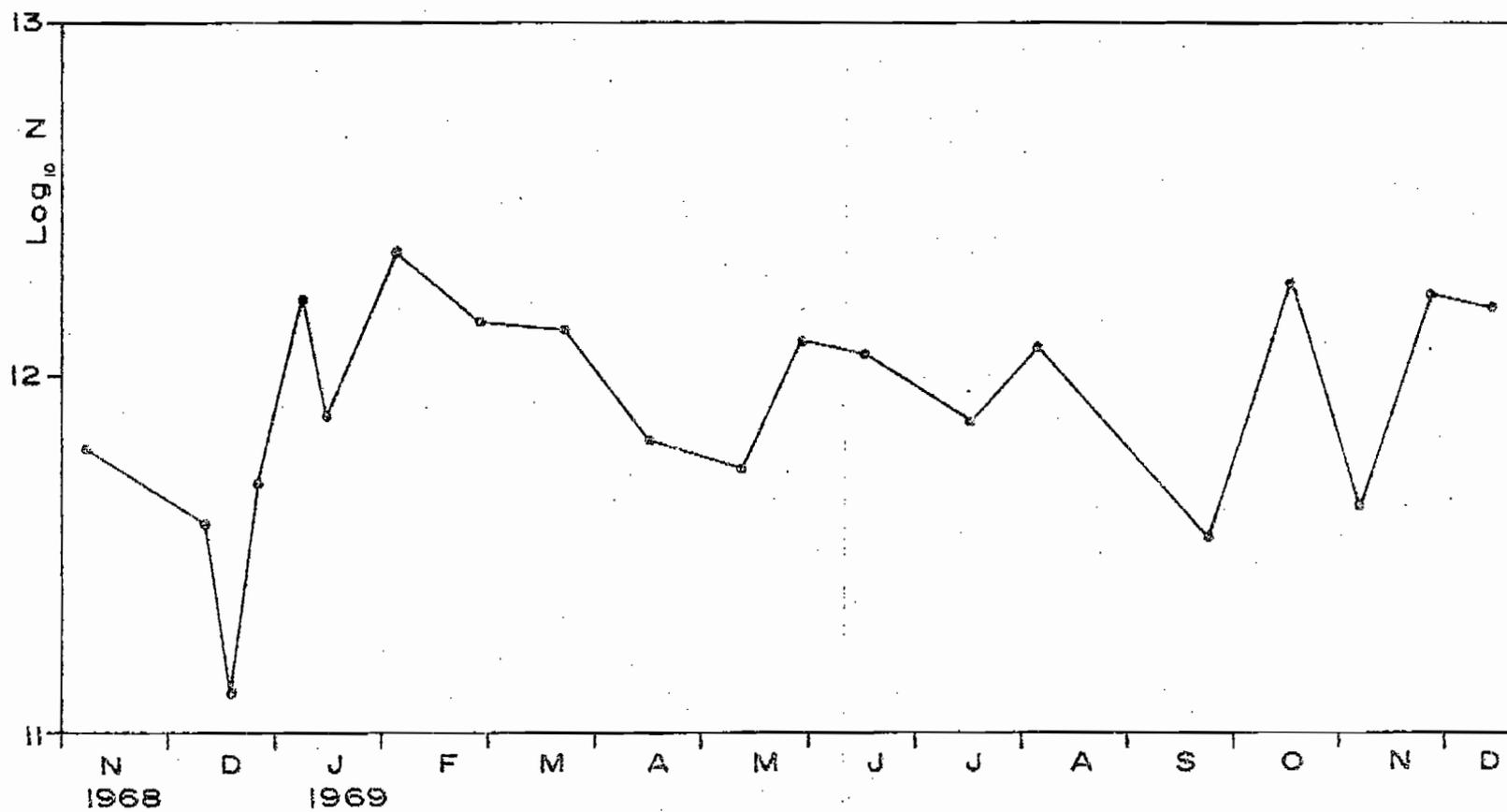


Fig. 7-9 f

Lucifer mysis

Fig. 7-10 d

Lucifer hanseni juveniles

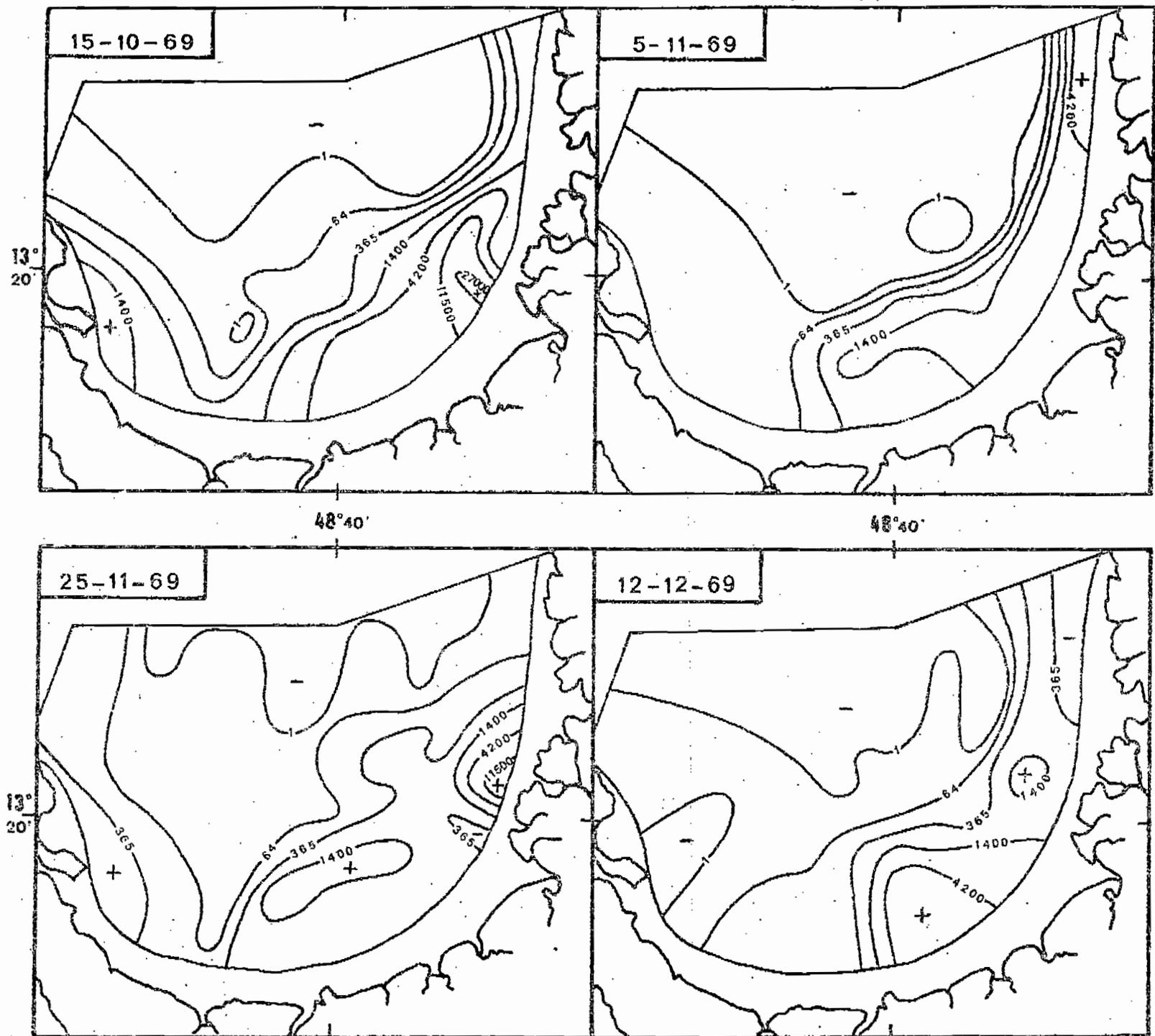


Fig. 7-10 b

Lucifer hanseni juveniles

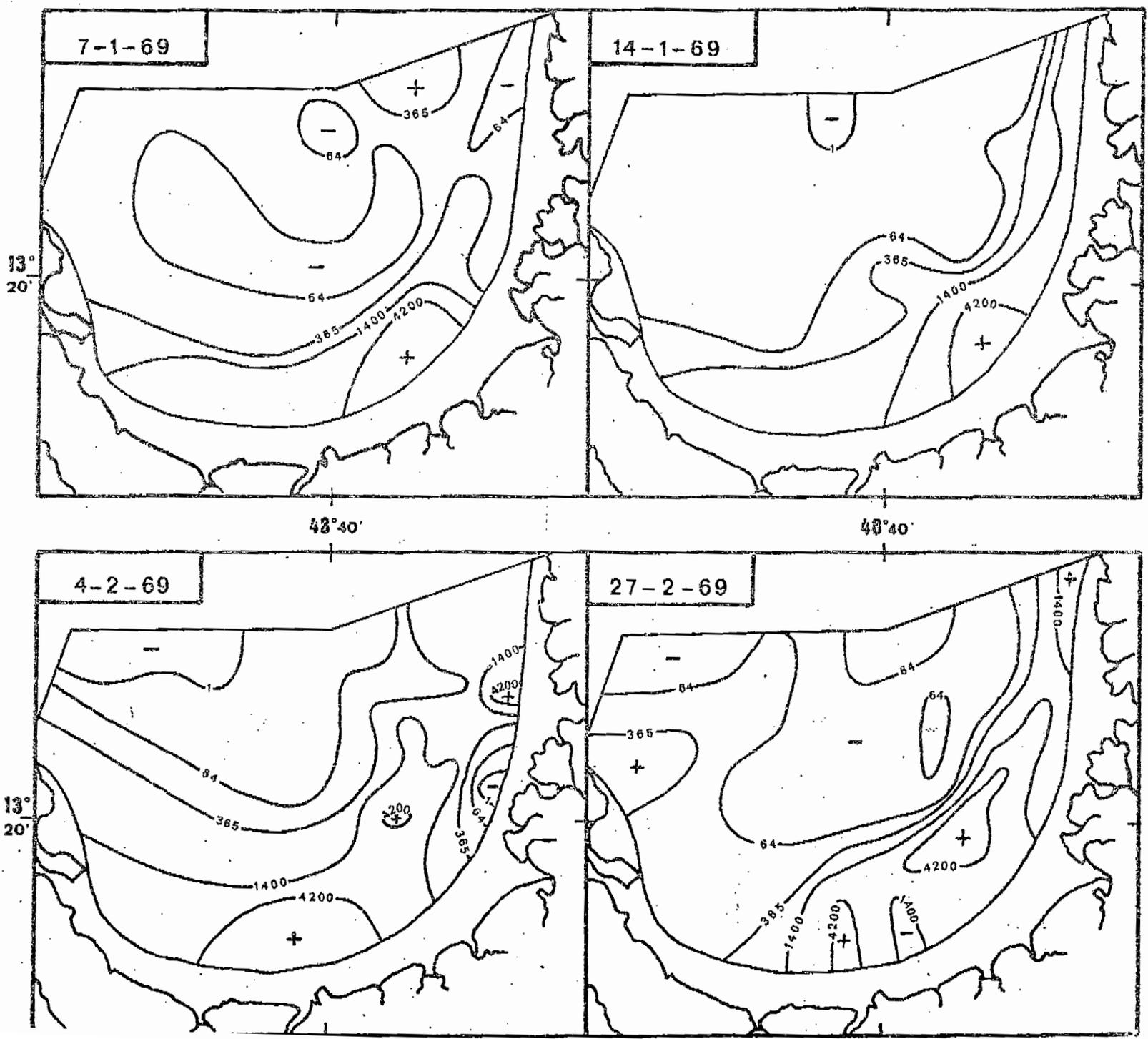


Fig. 7 - 10c

Lucifer hanseni juveniles

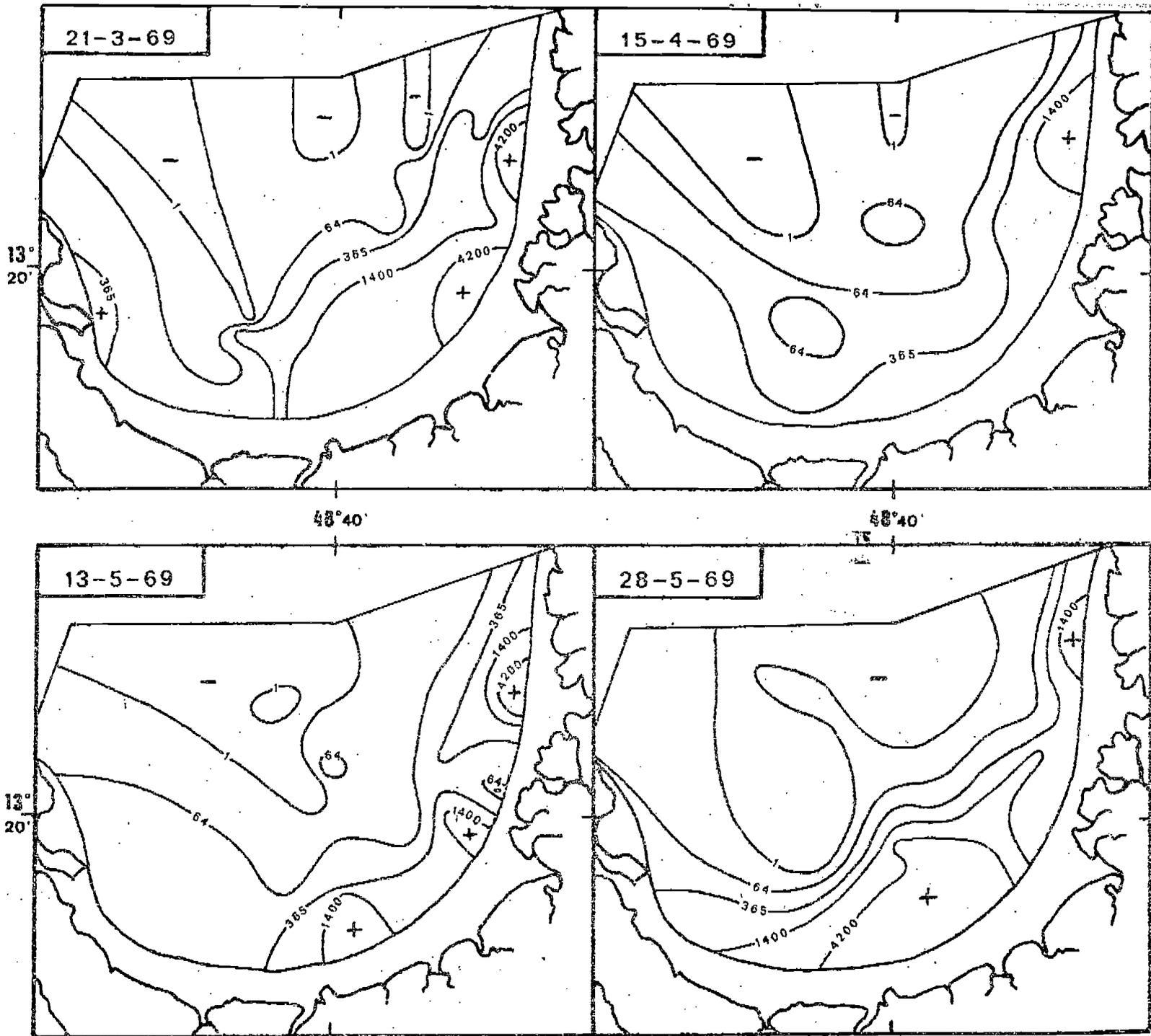
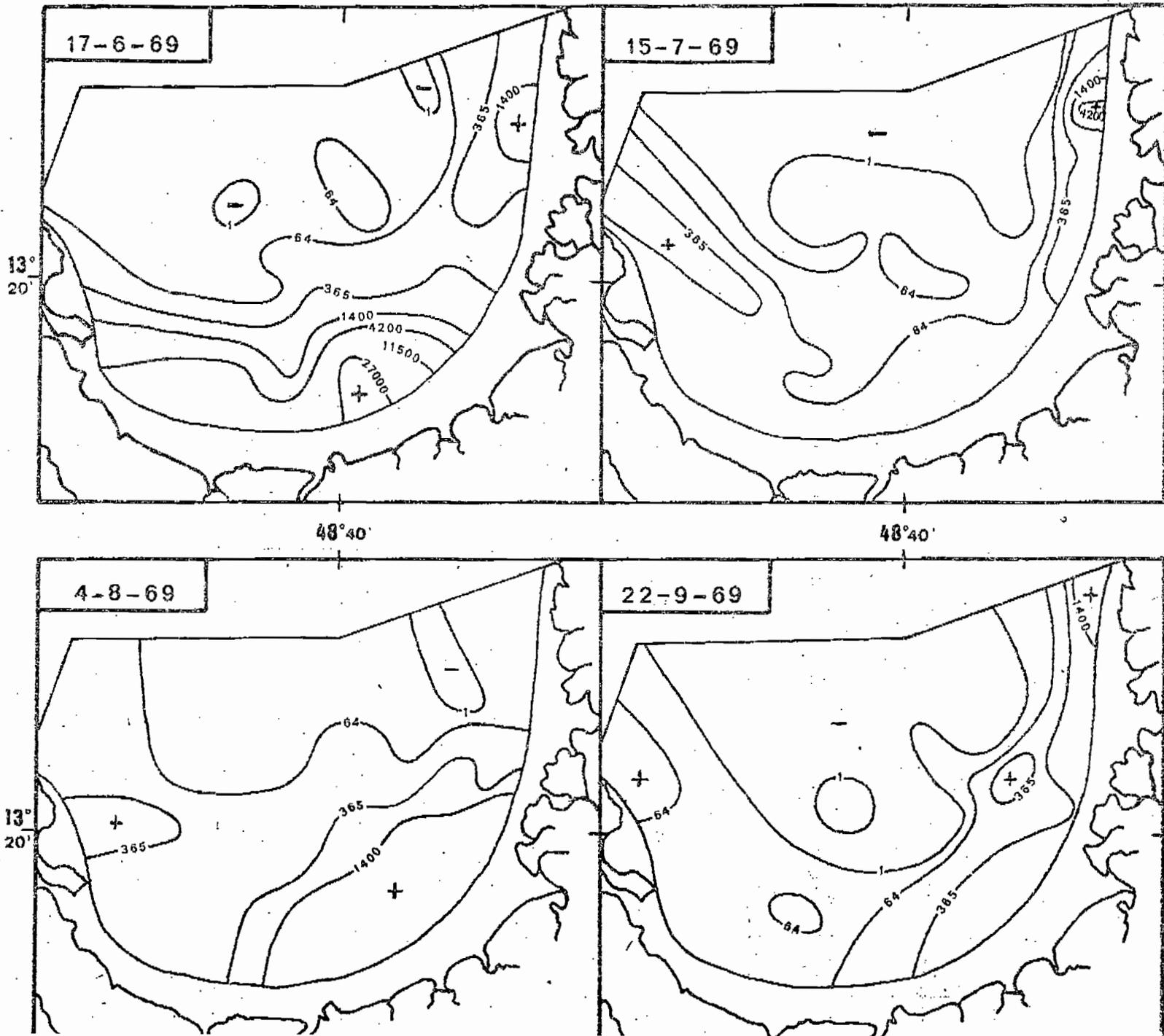
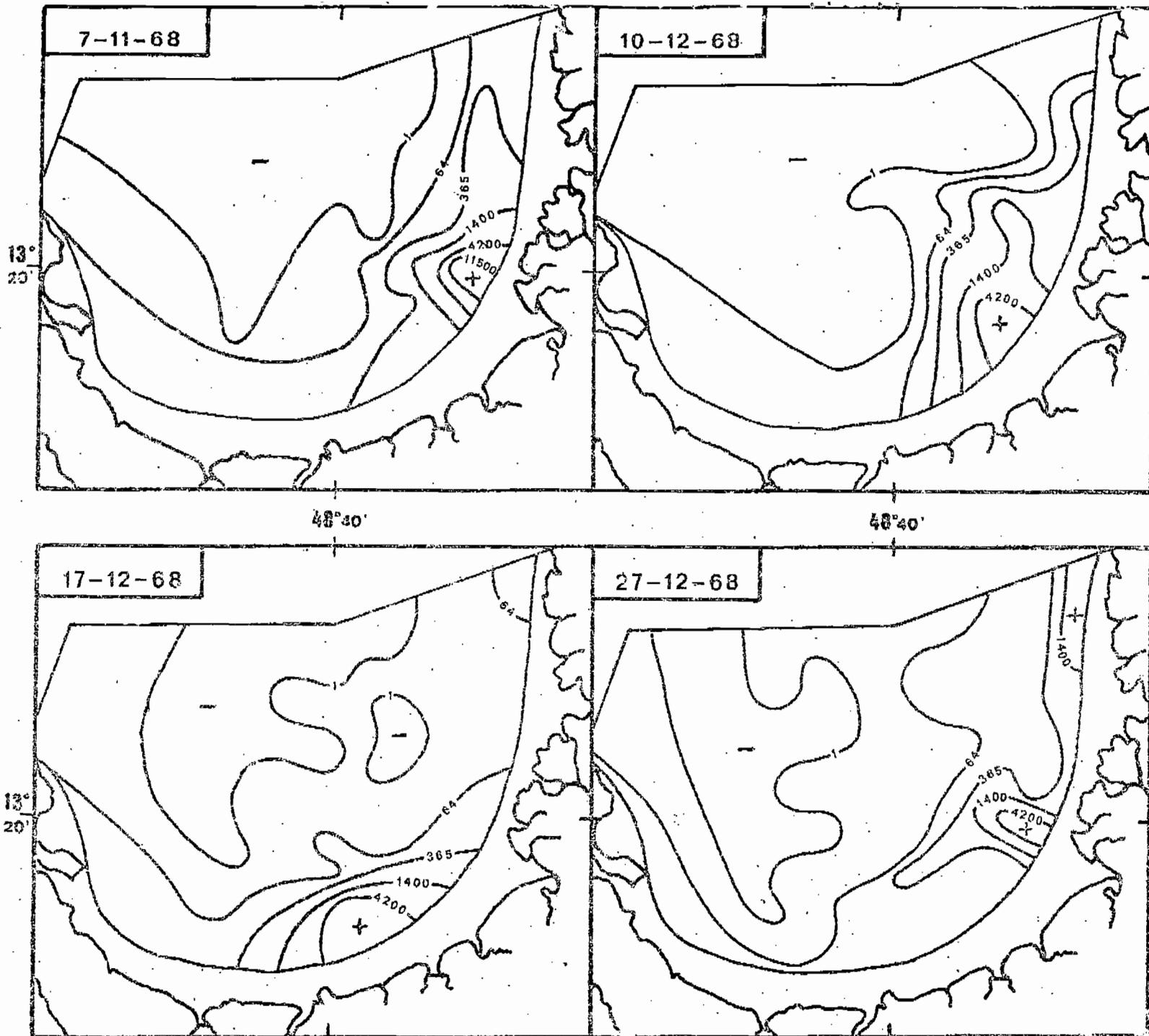


Fig. 7-10 d

Lucifer hanseni juveniles





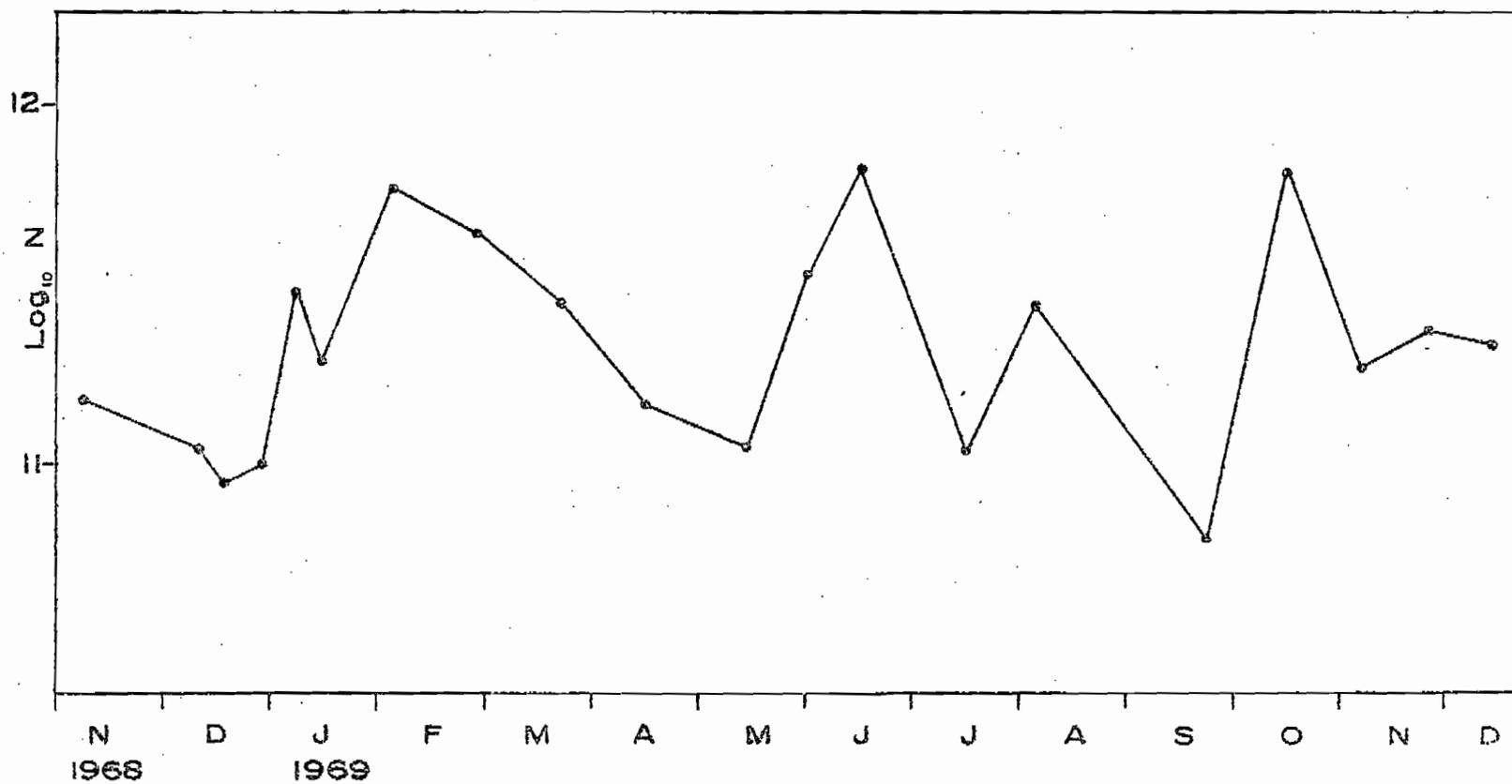


Fig. 7 - 10 f

L. hanseni jeunes

Fig. 7-11 a

Lucifer hanseni adults

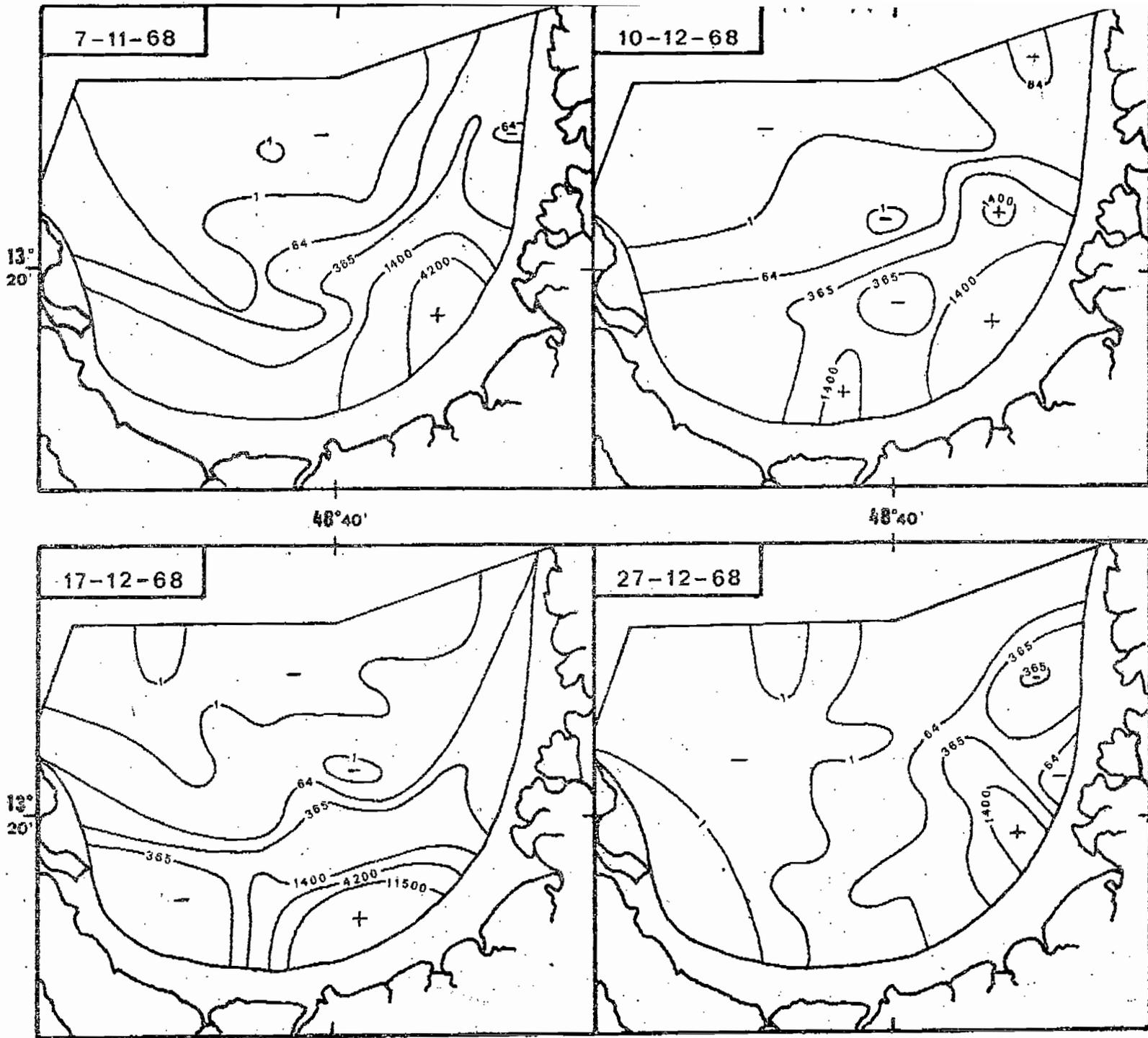


Fig. 7-11b

Lucifer hanseni adules

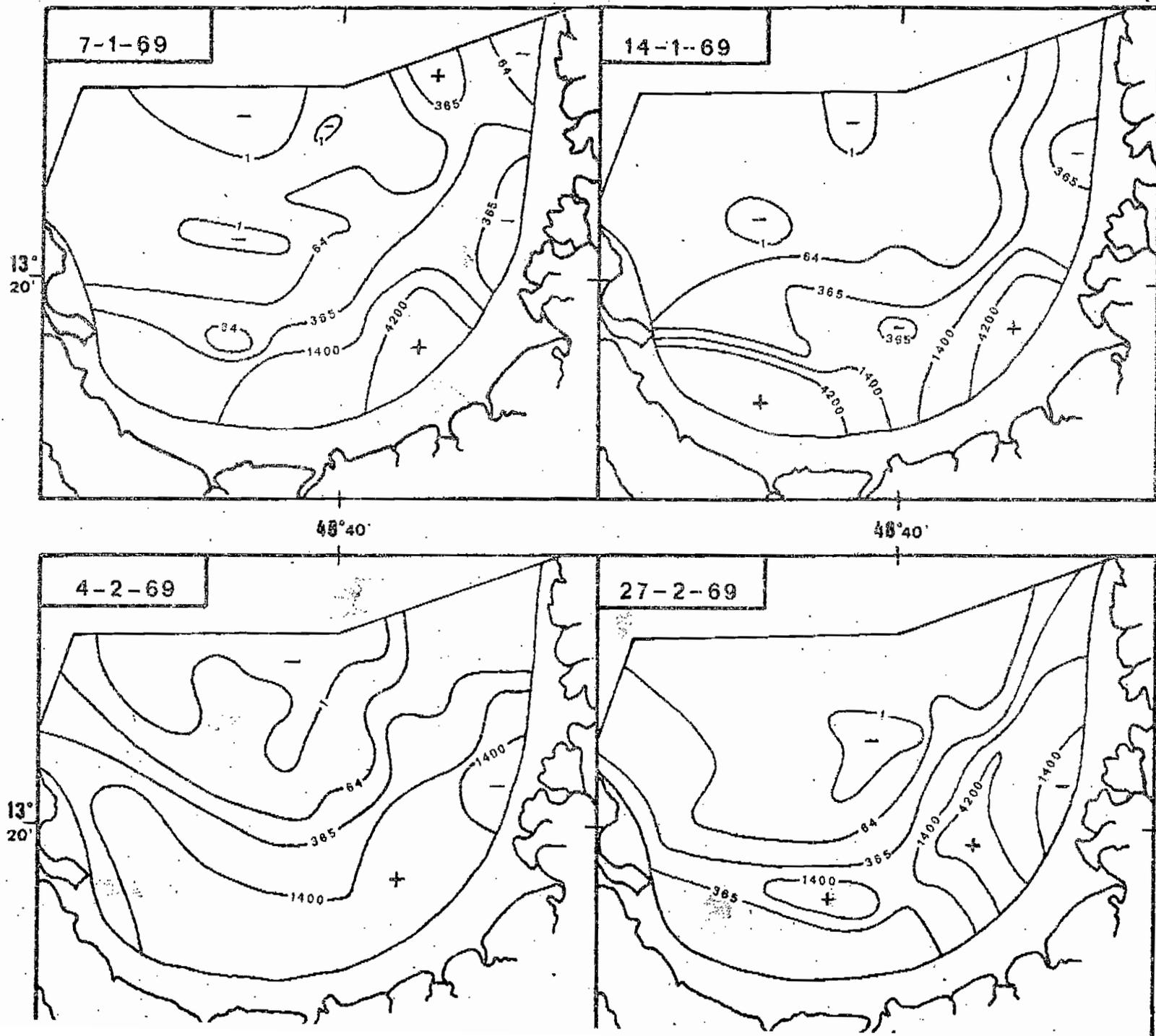
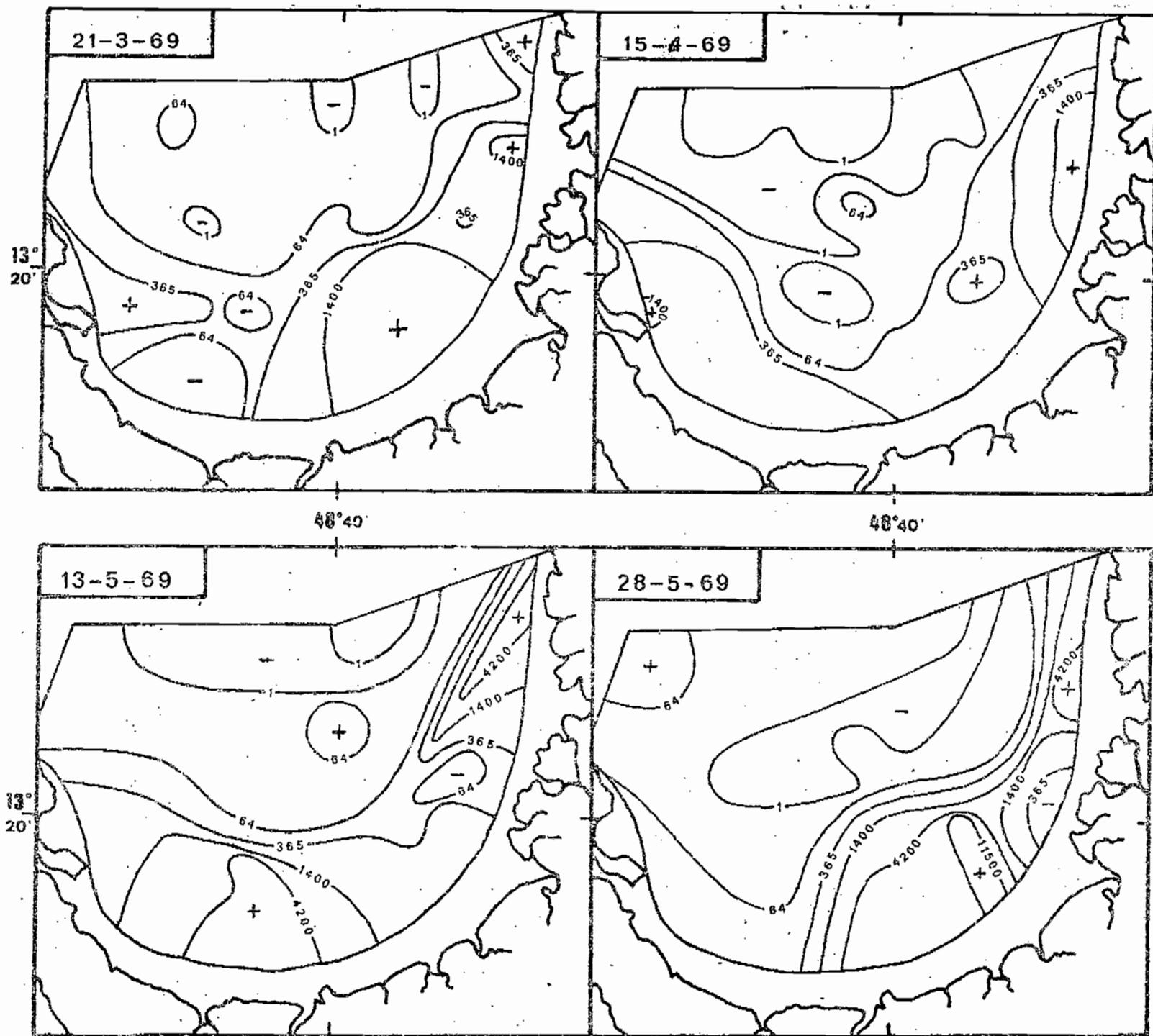
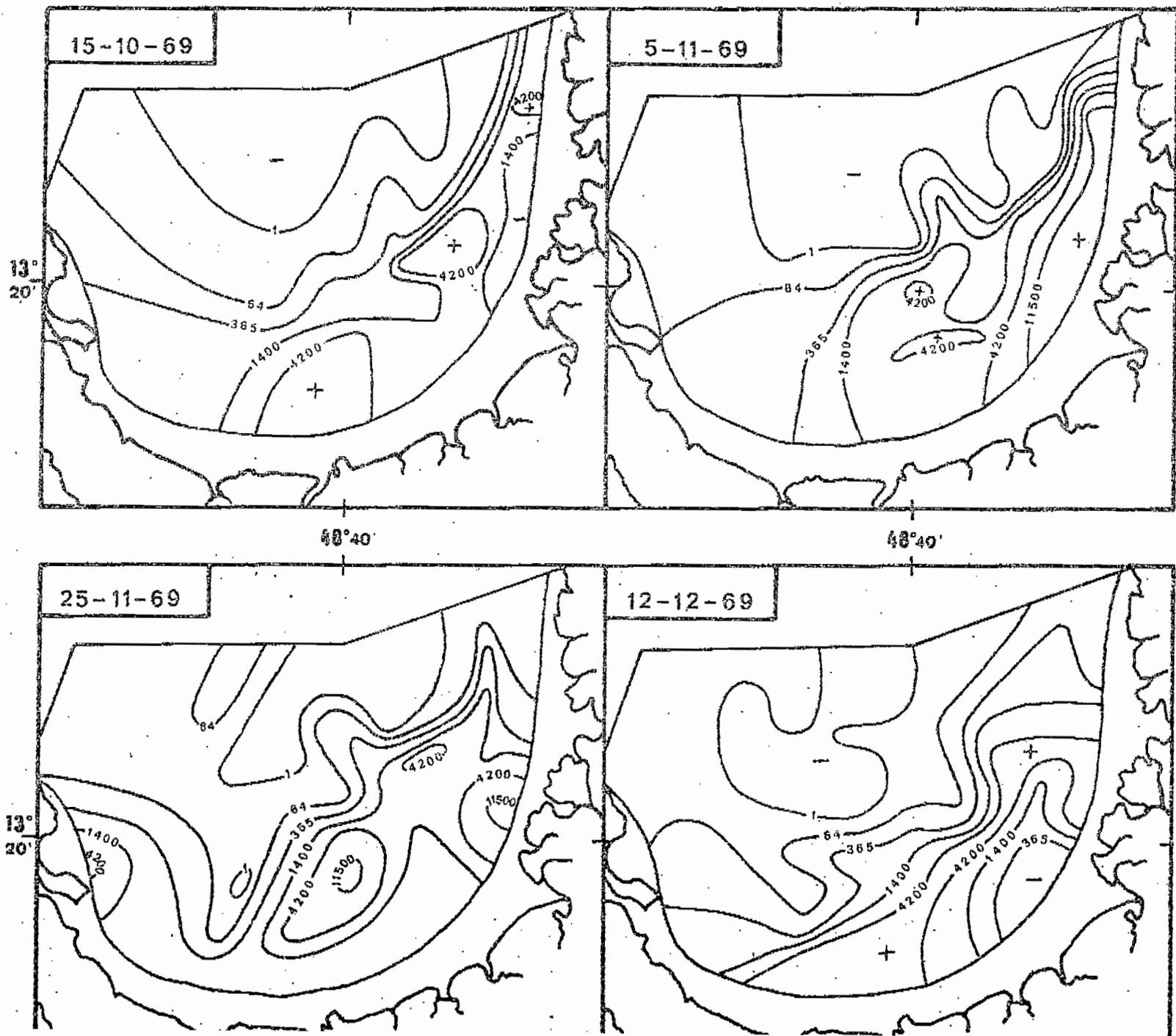
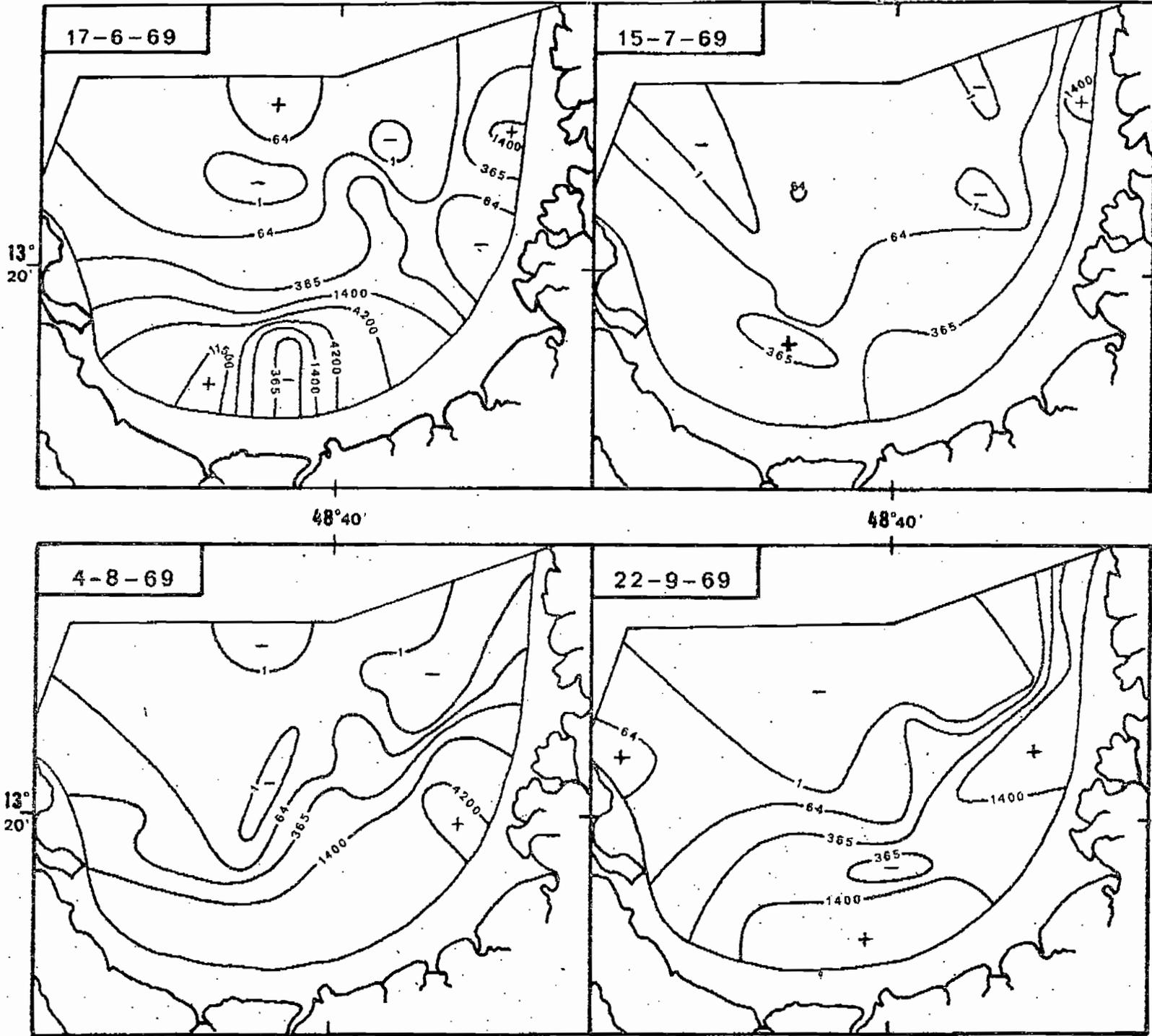


Fig. 7—11c

Lucifer hanseni adults







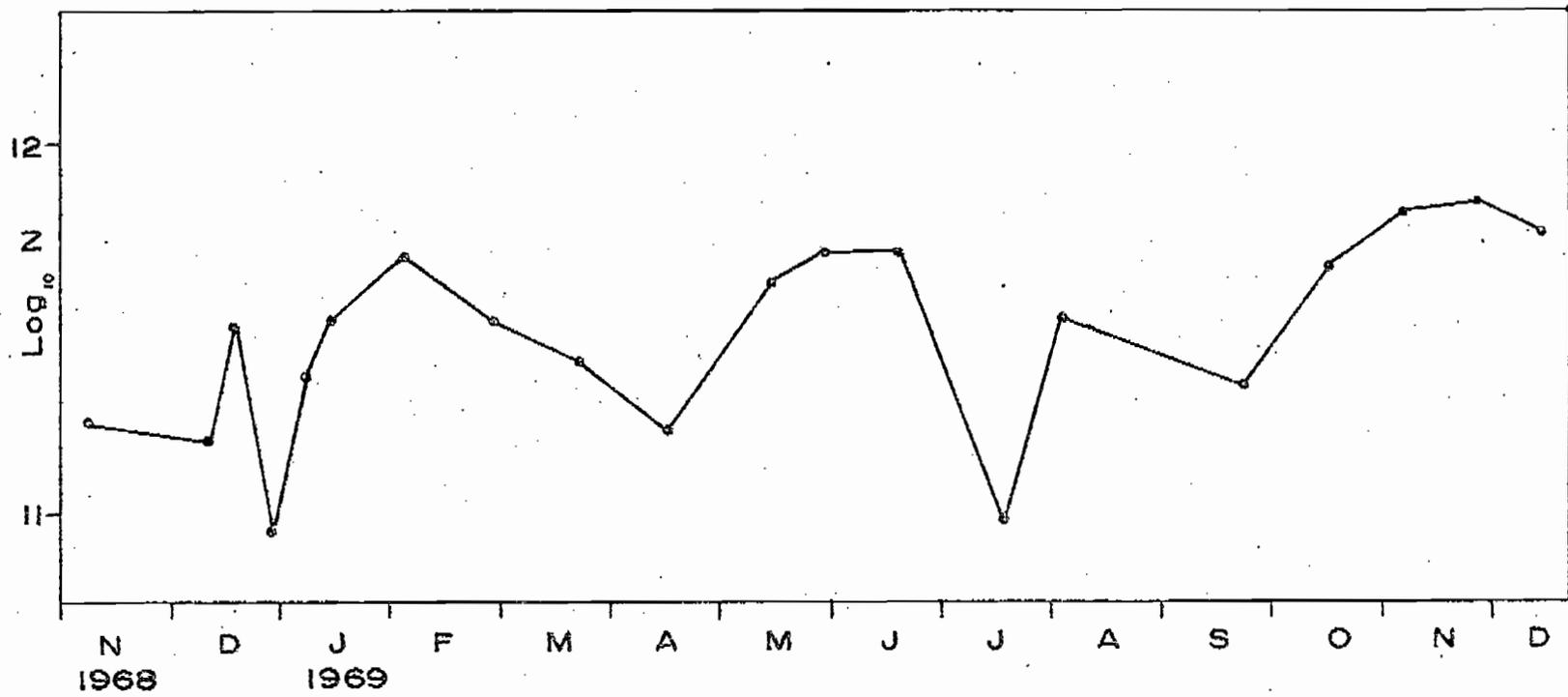
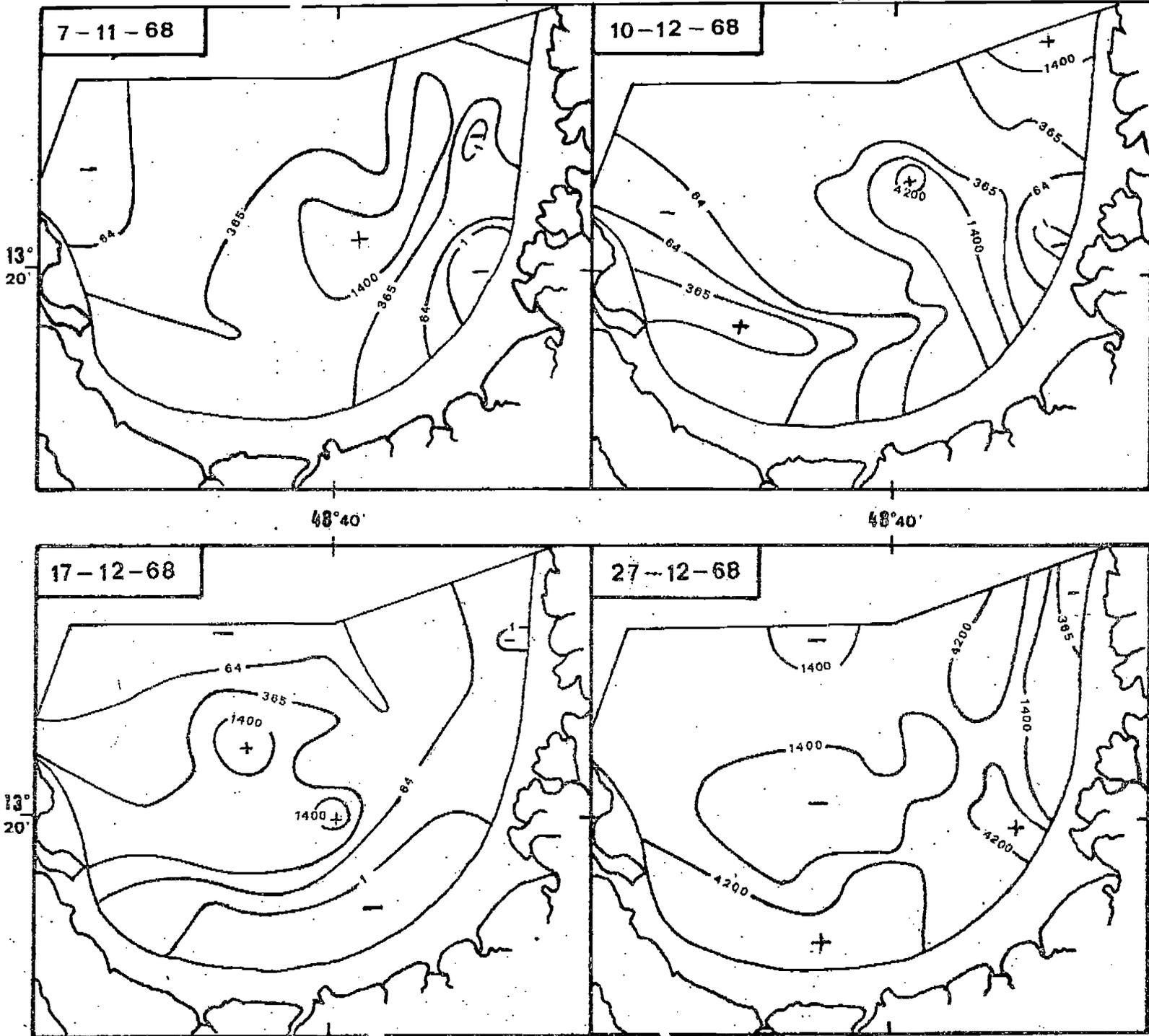
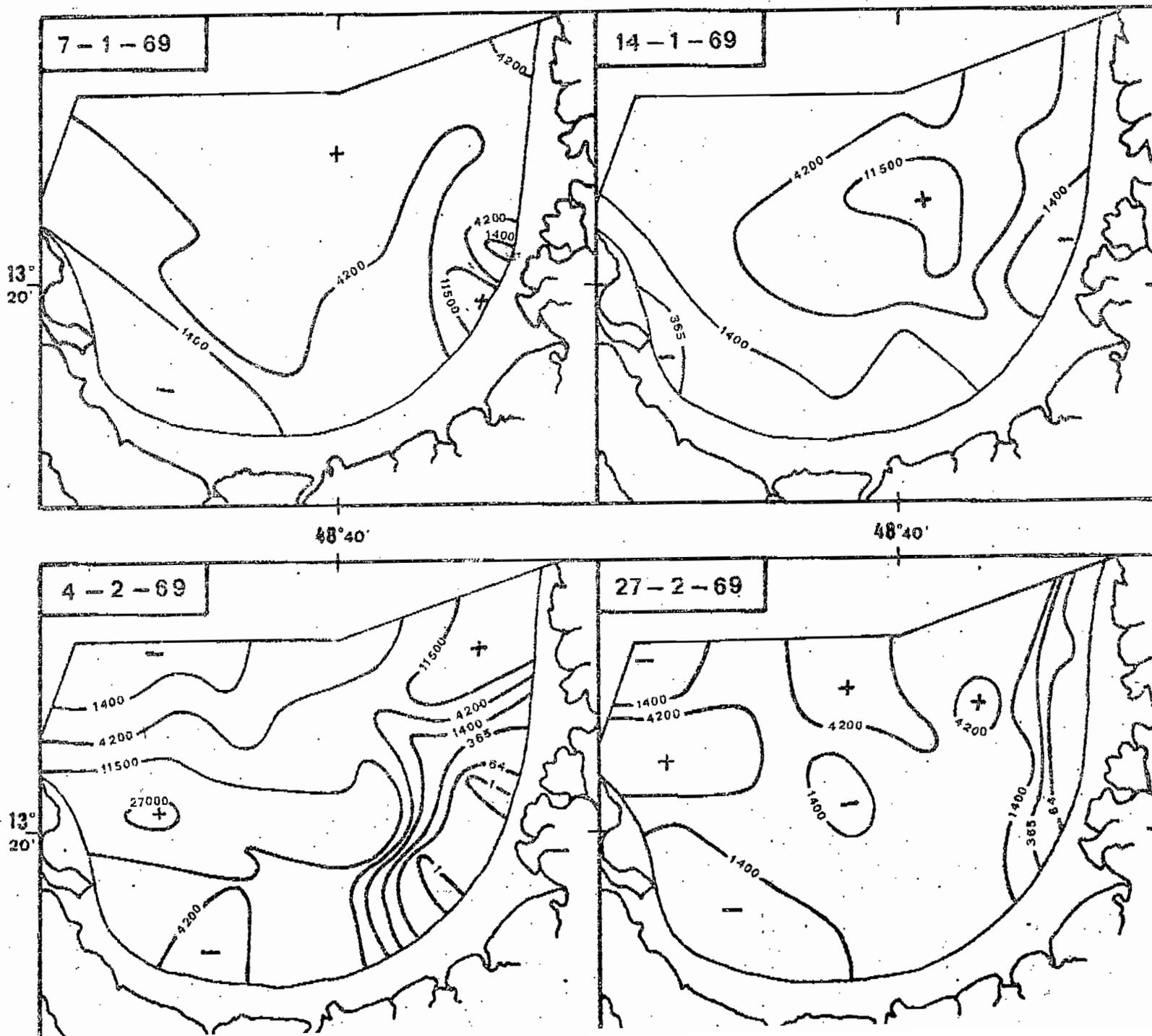
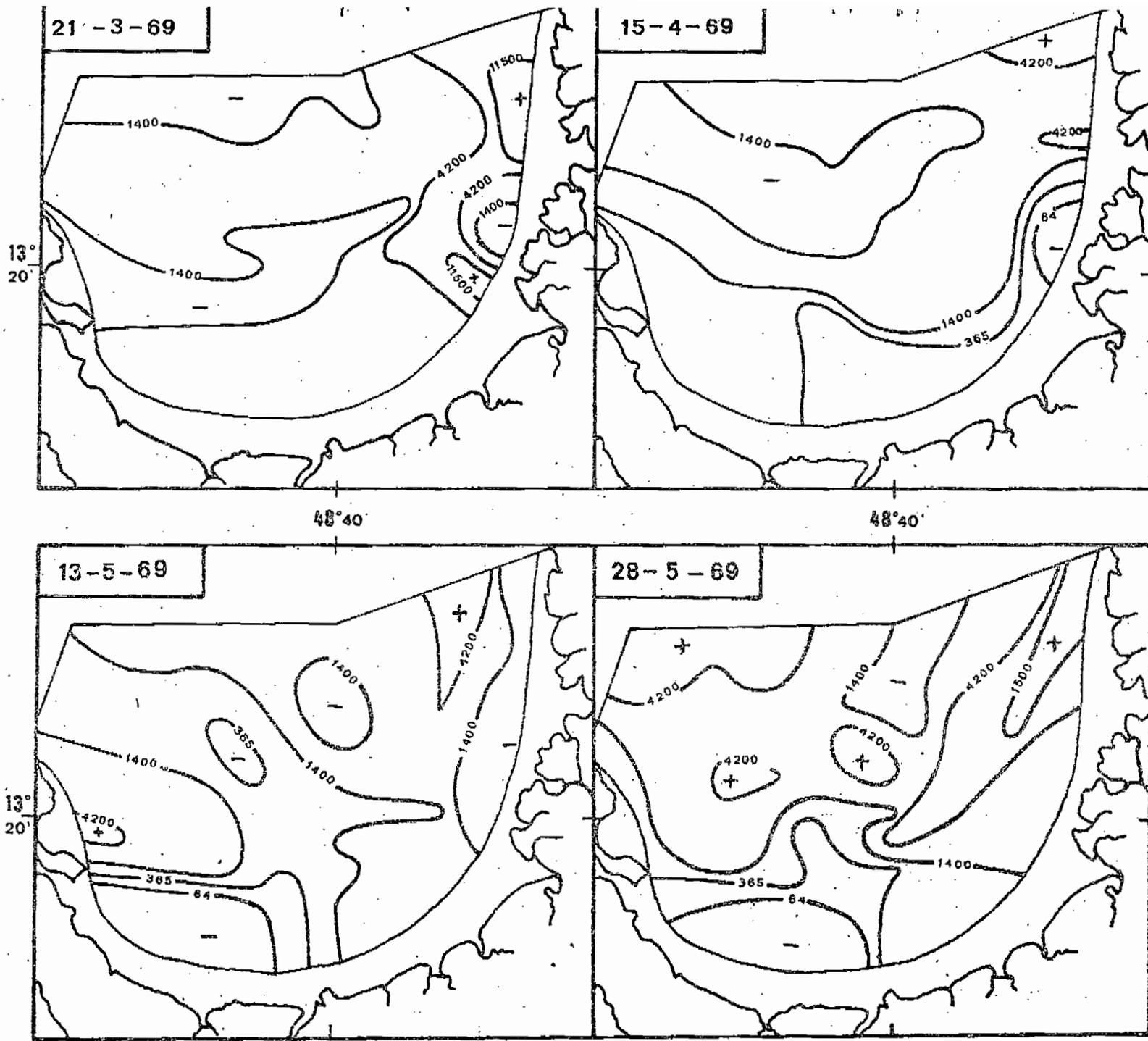


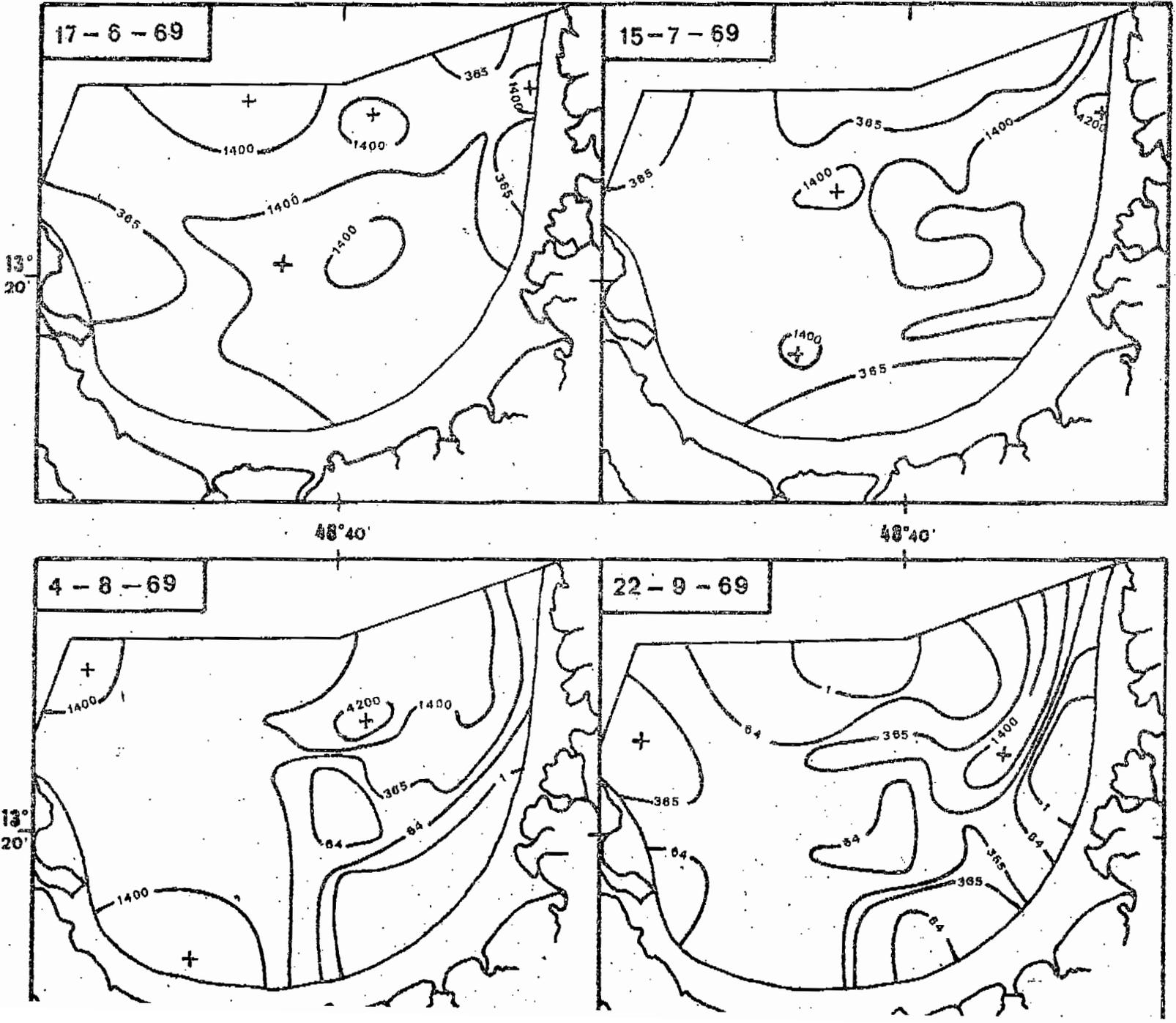
Fig. 7-11 f

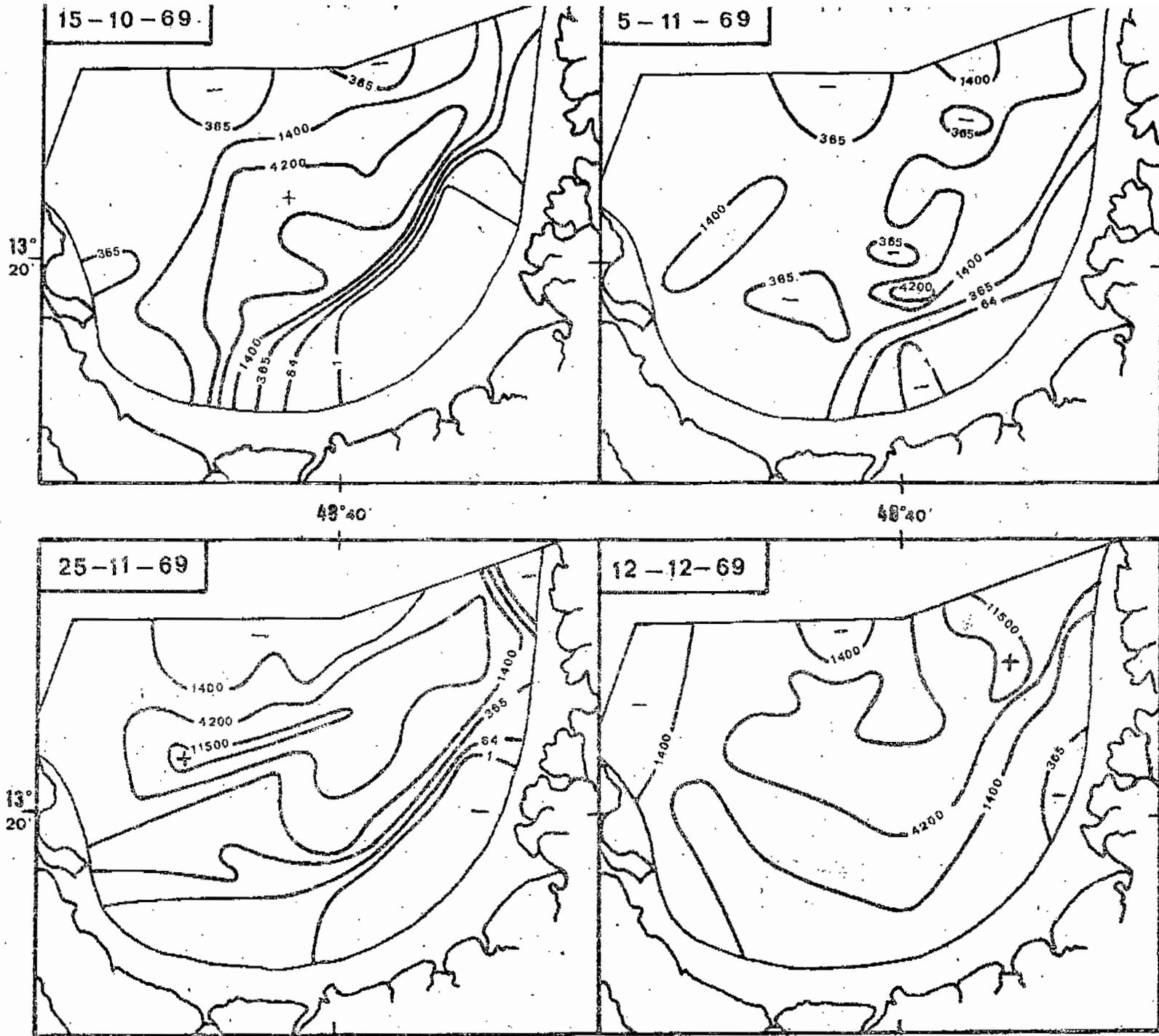
L. hanseni adultes











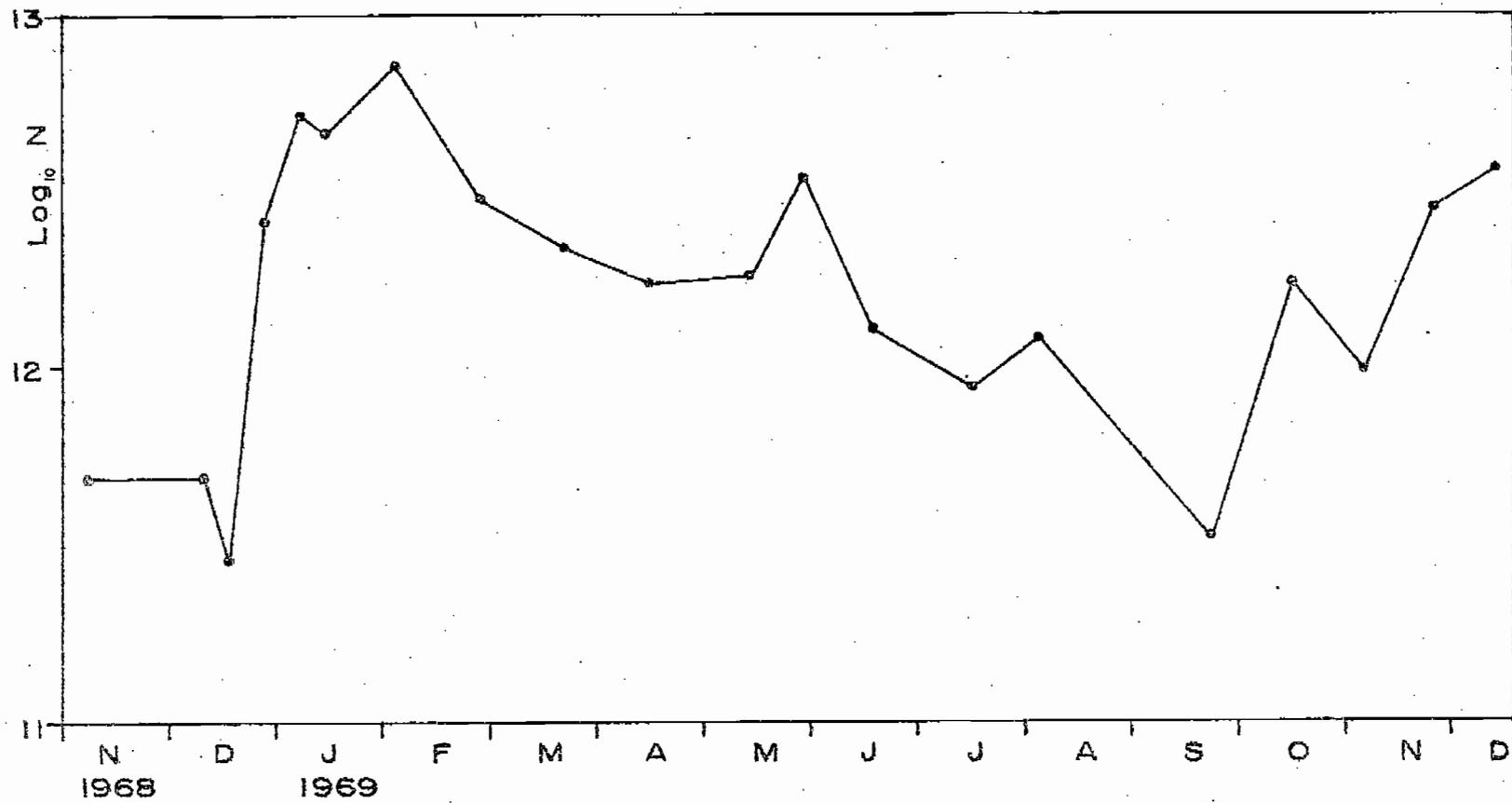


Fig. 7 - 12 f

Zoés de *Lucifer penicillifer* et *L. chacei*

Fig. 7-13 0

Lucifer penicillifer juveniles

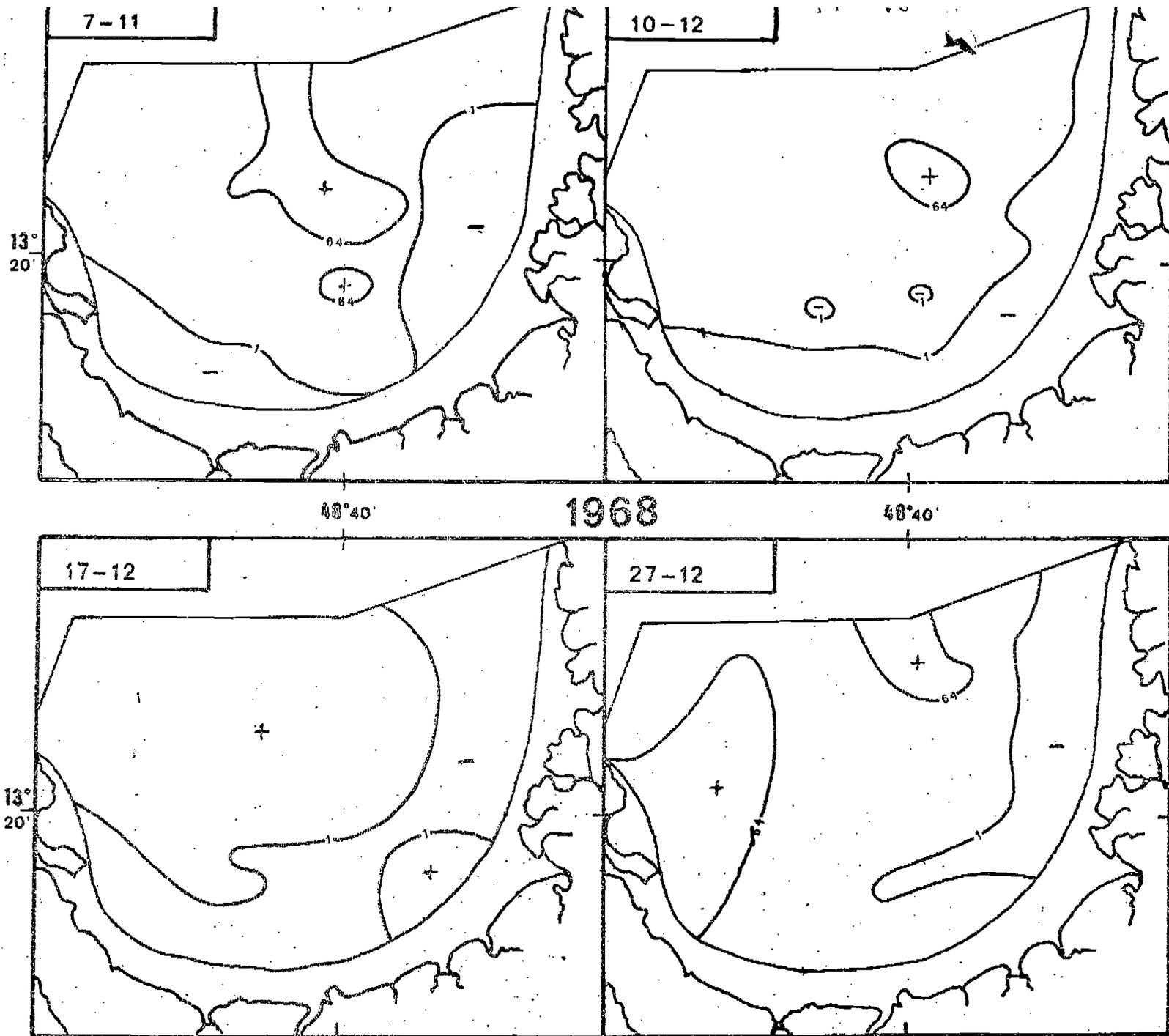
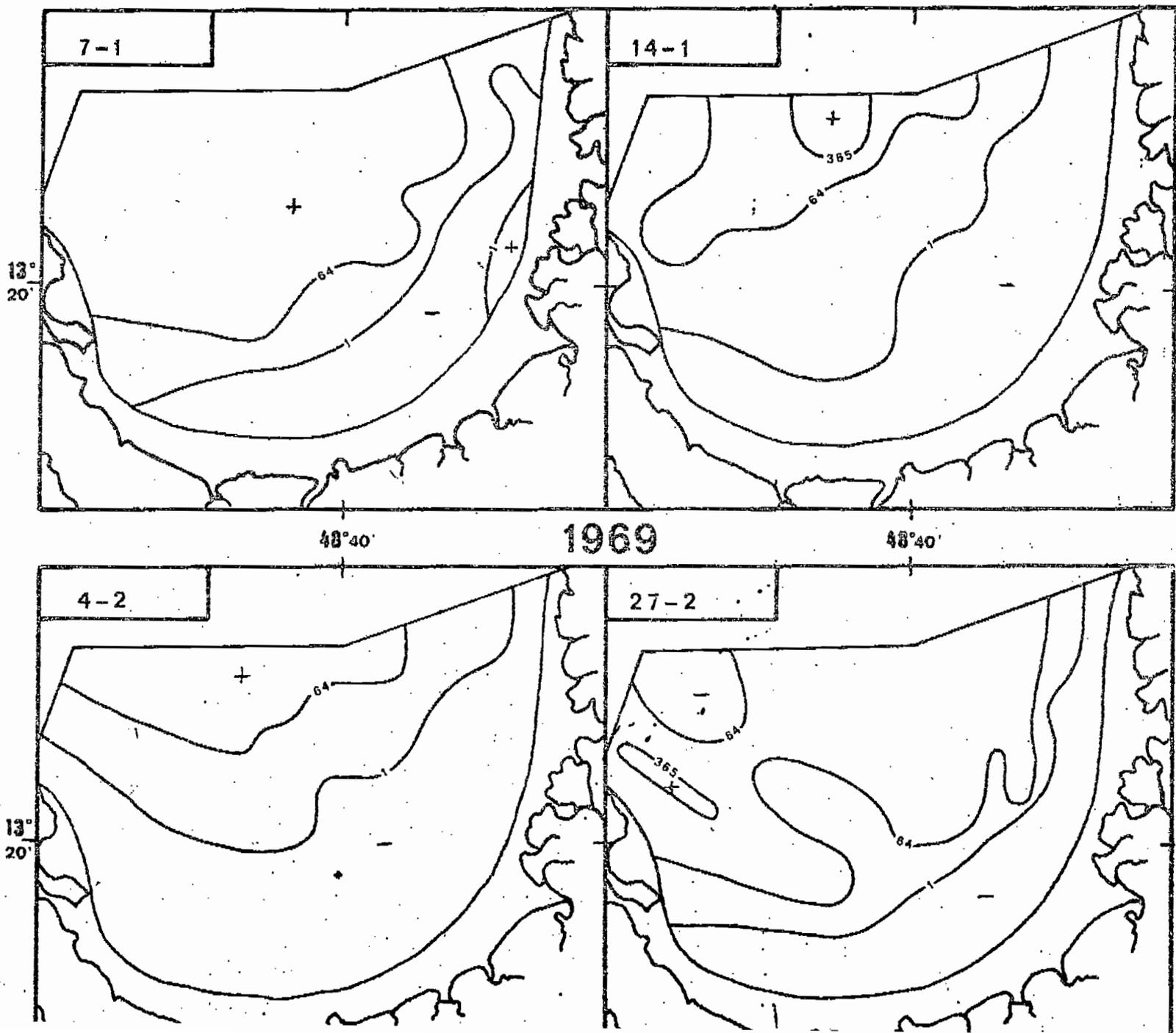


Fig. 7-13 b

Lucifer penicillifer juveniles



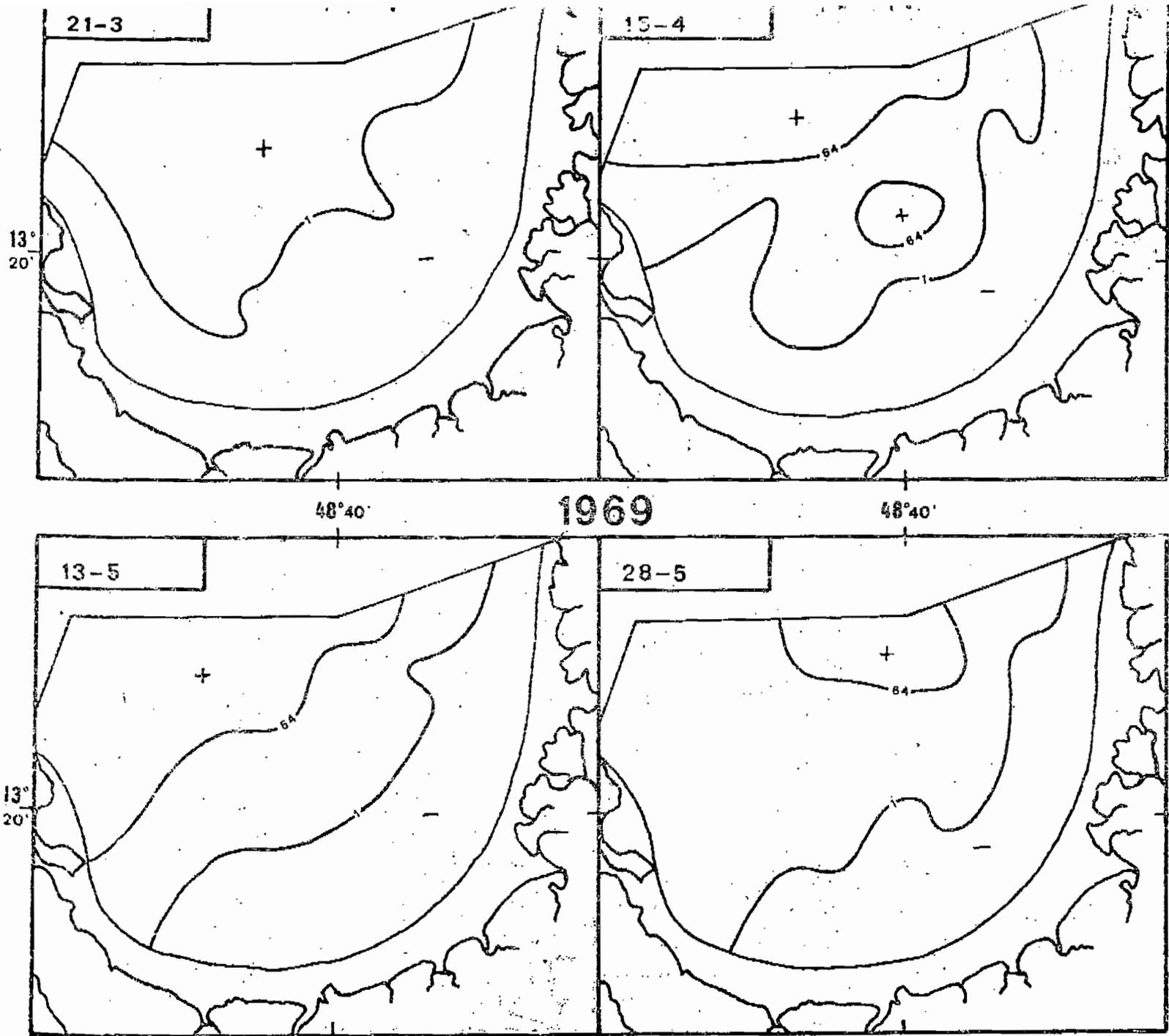
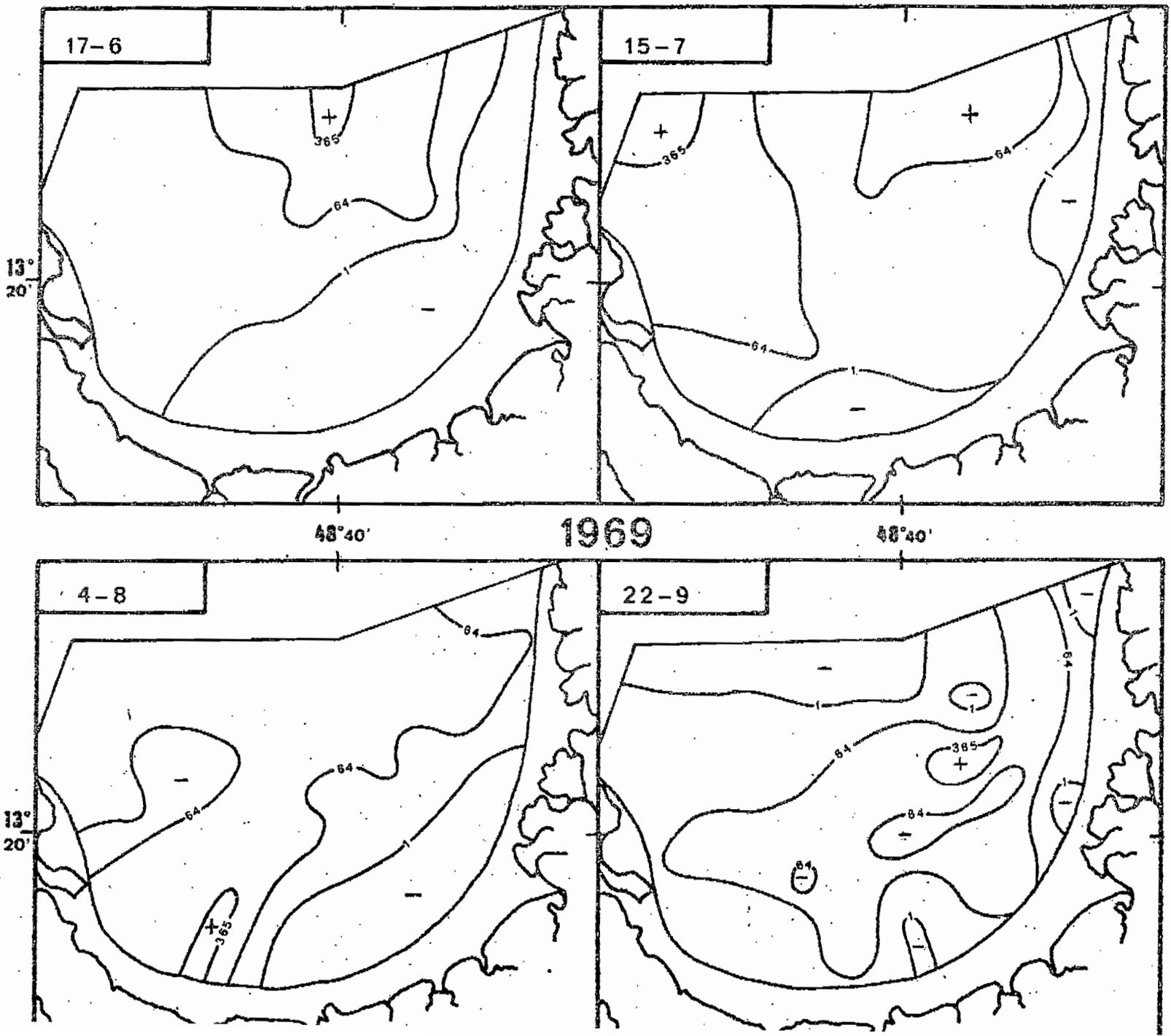
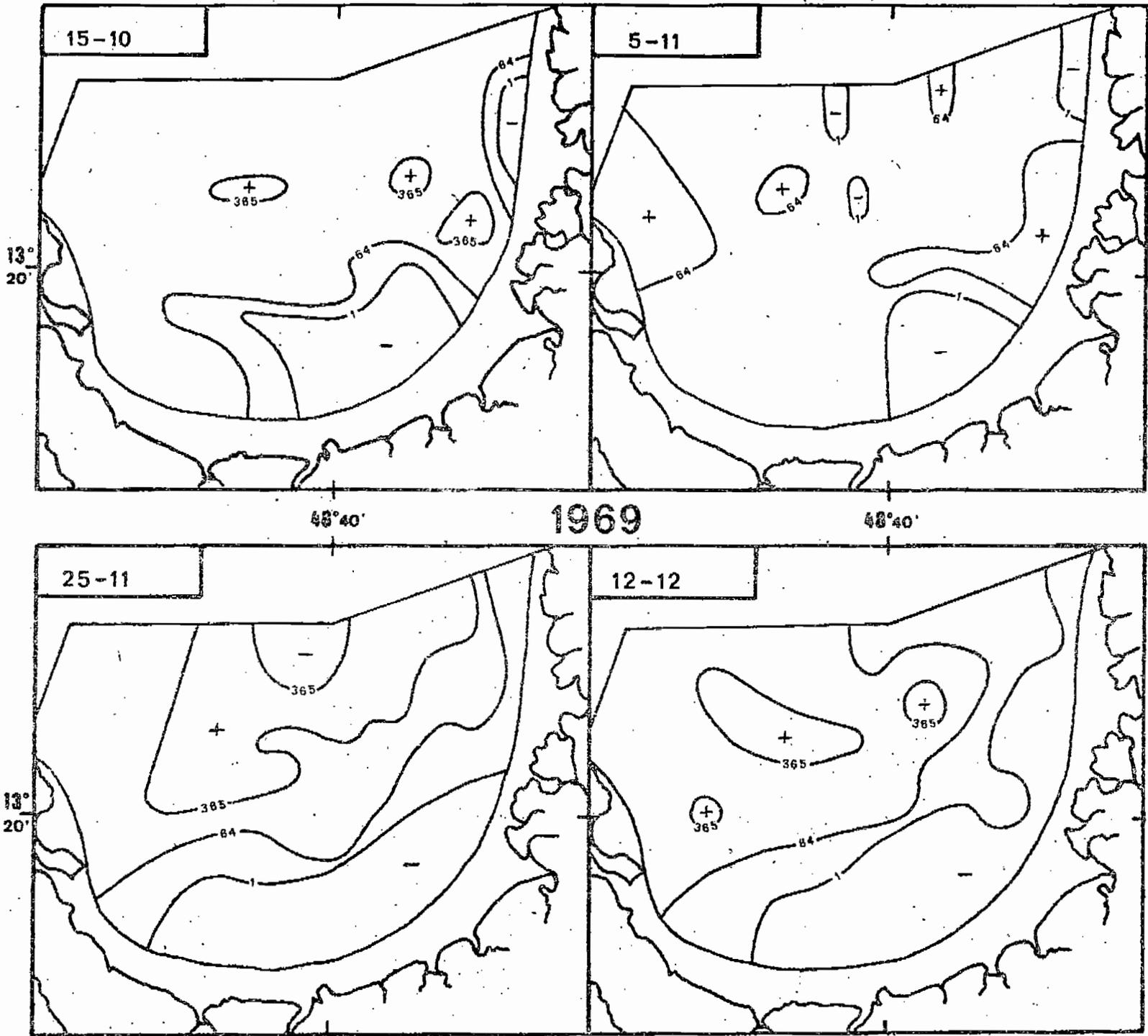


Fig. 7-13 d

Lucifer penicillifer juveniles





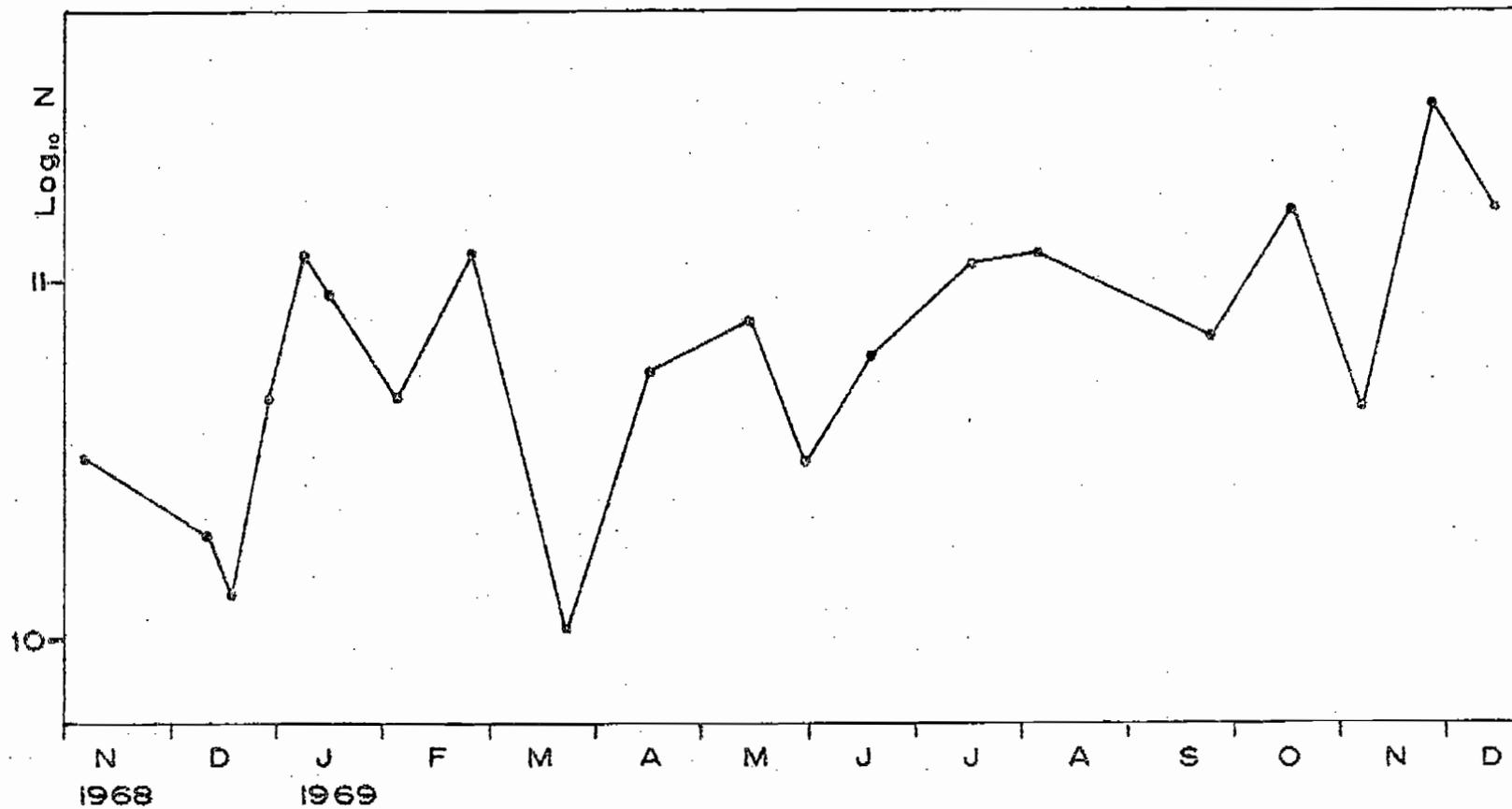


Fig. 7— 13 f

L. penicillifer jeunes

Fig. 7 - 14 a

Lucifer penicillifer adultes

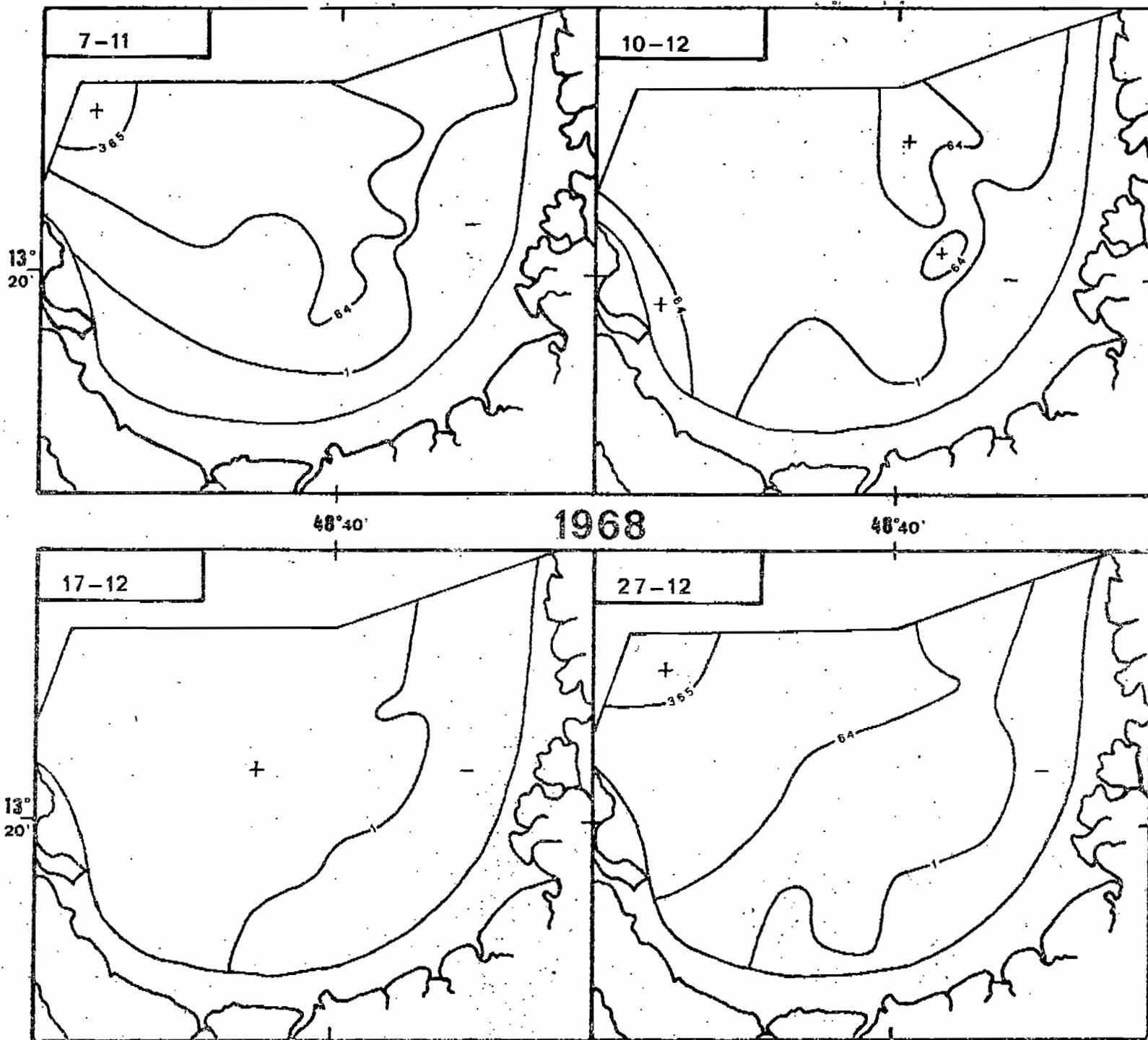
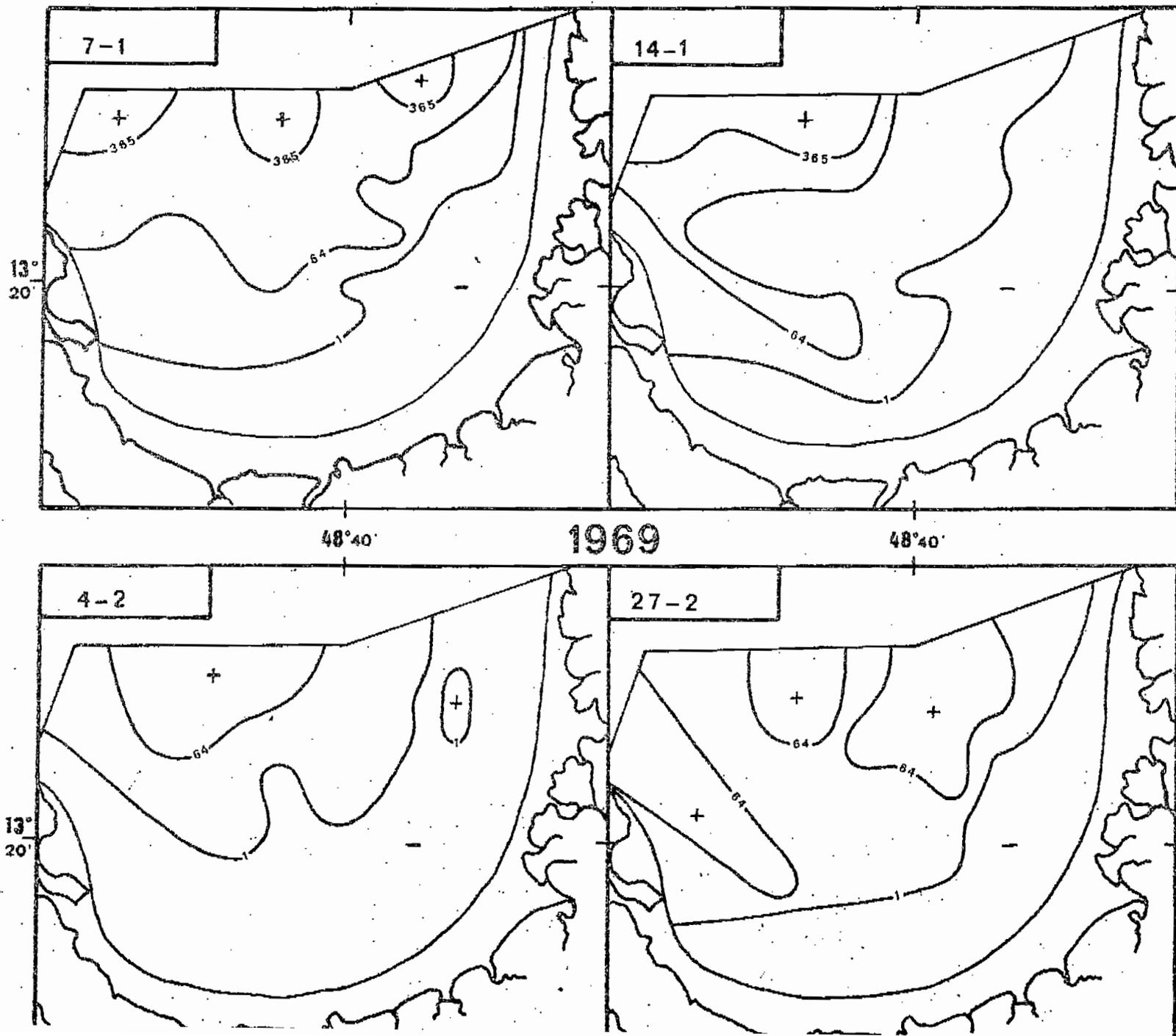
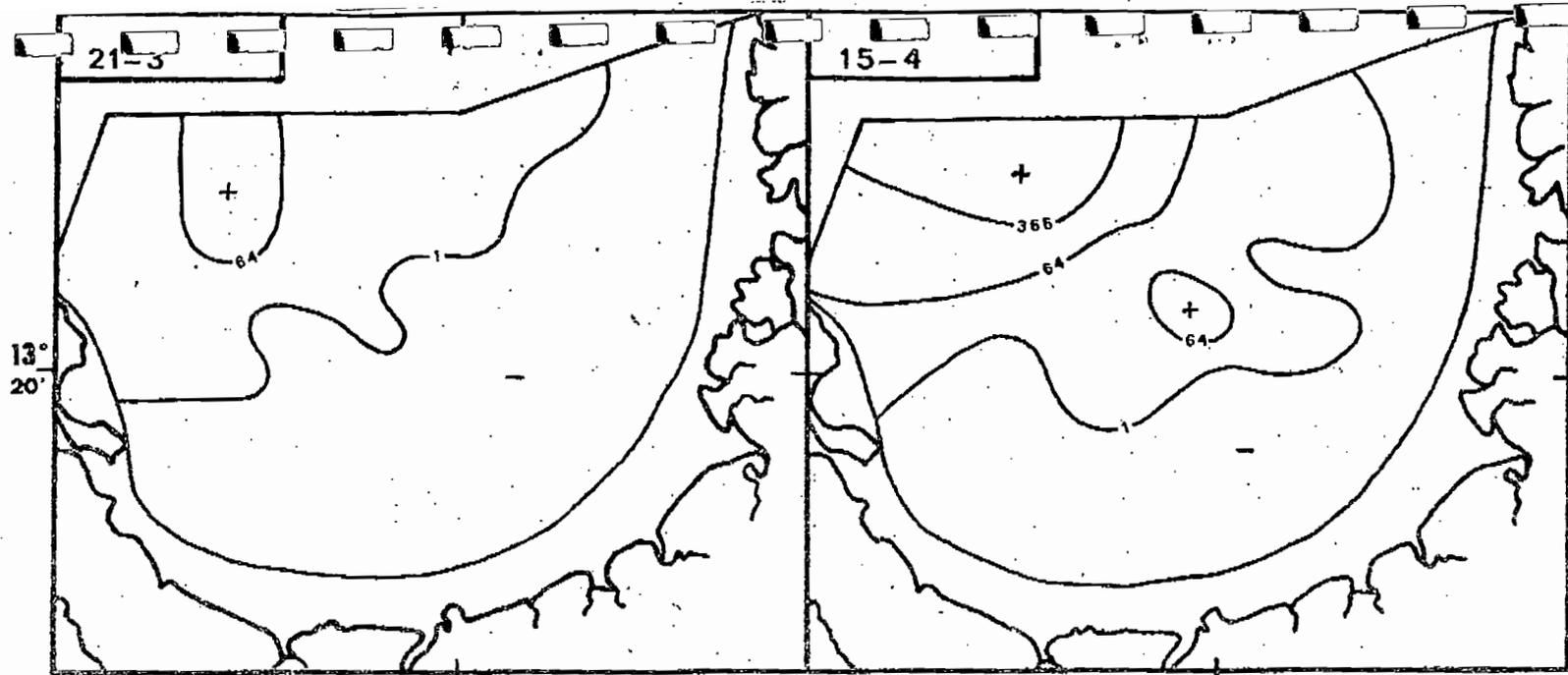


Fig. 7 - 14 b

Lucifer penicillifer adults

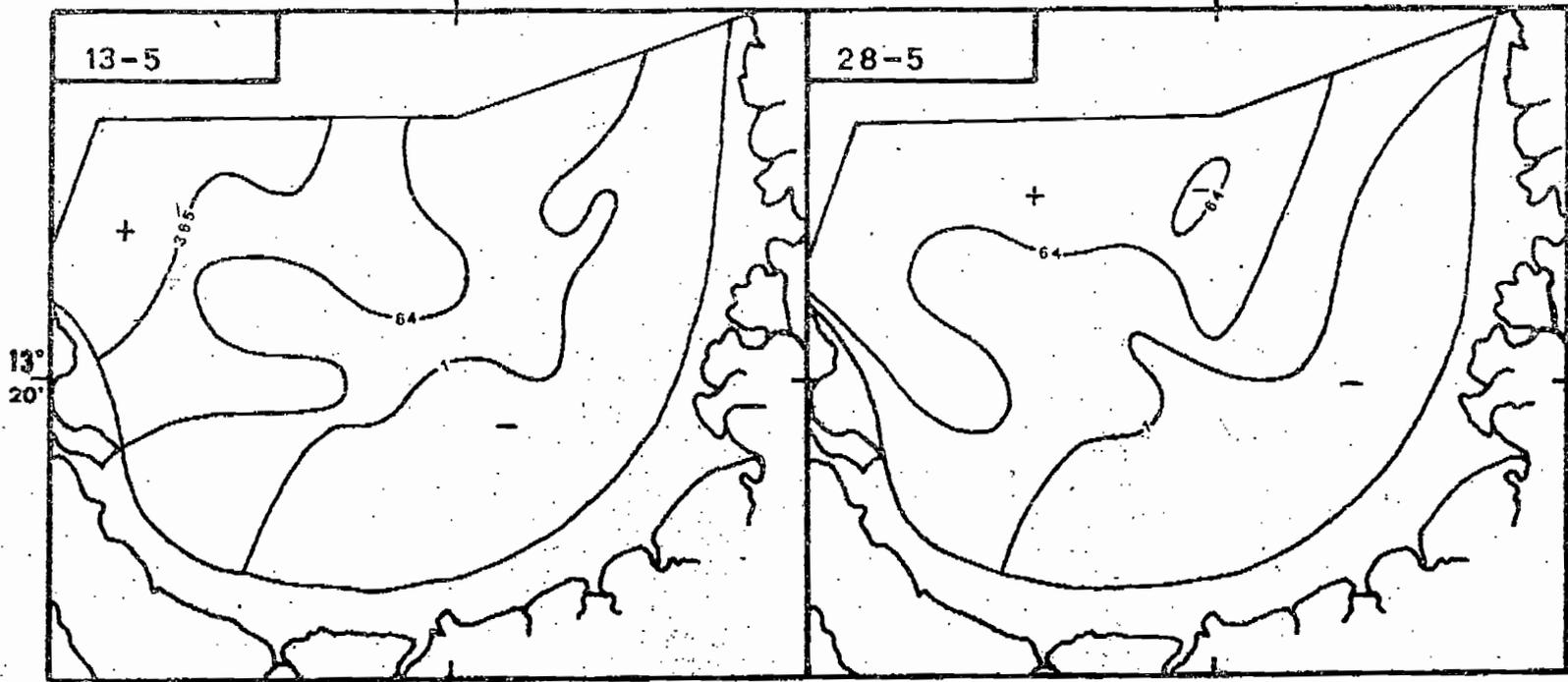




46°40'

1969

46°40'



13° 20'

Fig. 7-14 d

Lucifer penicillifer adults

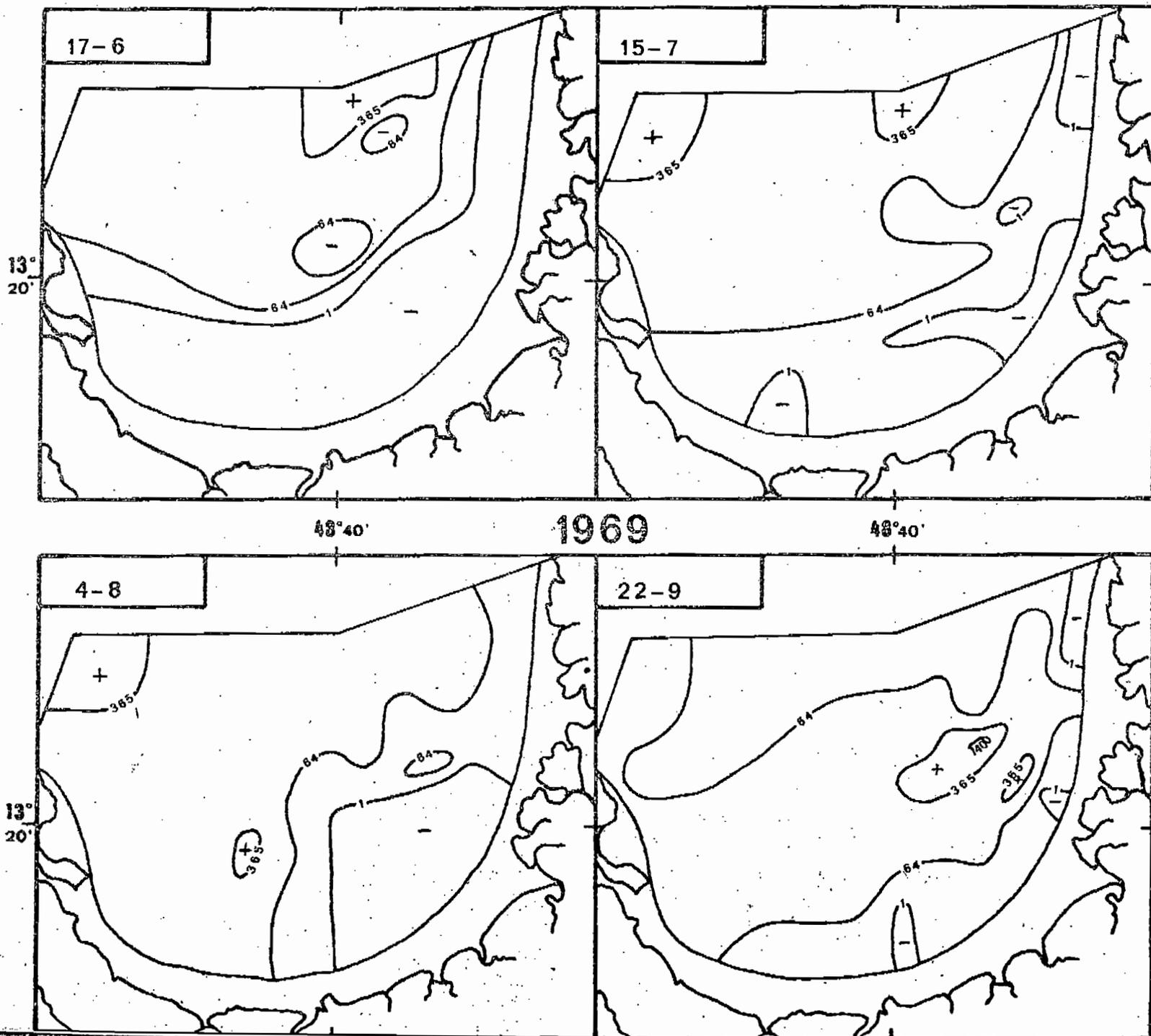
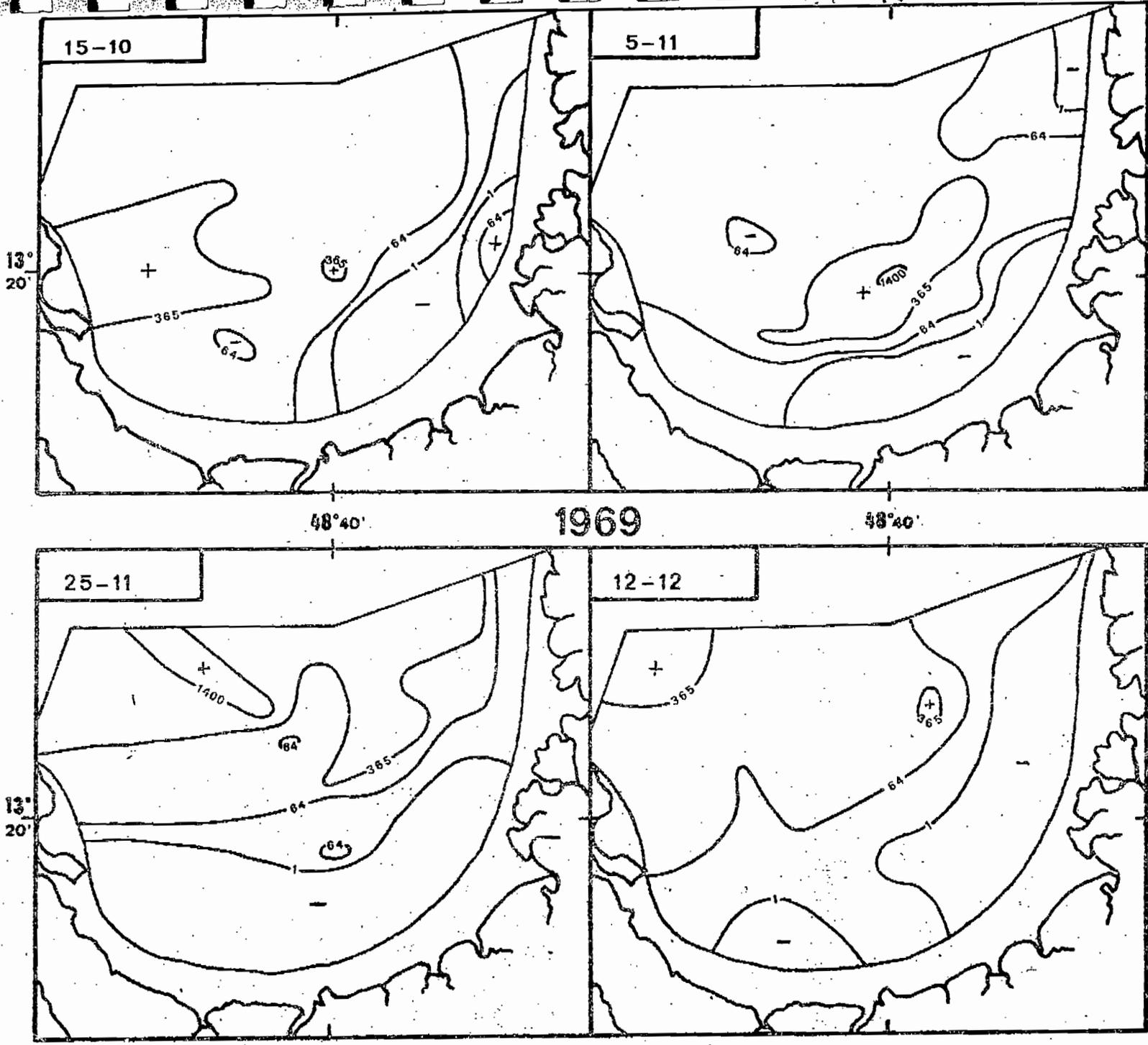


Fig. 7-14 e

Lucifer penicillifer adules



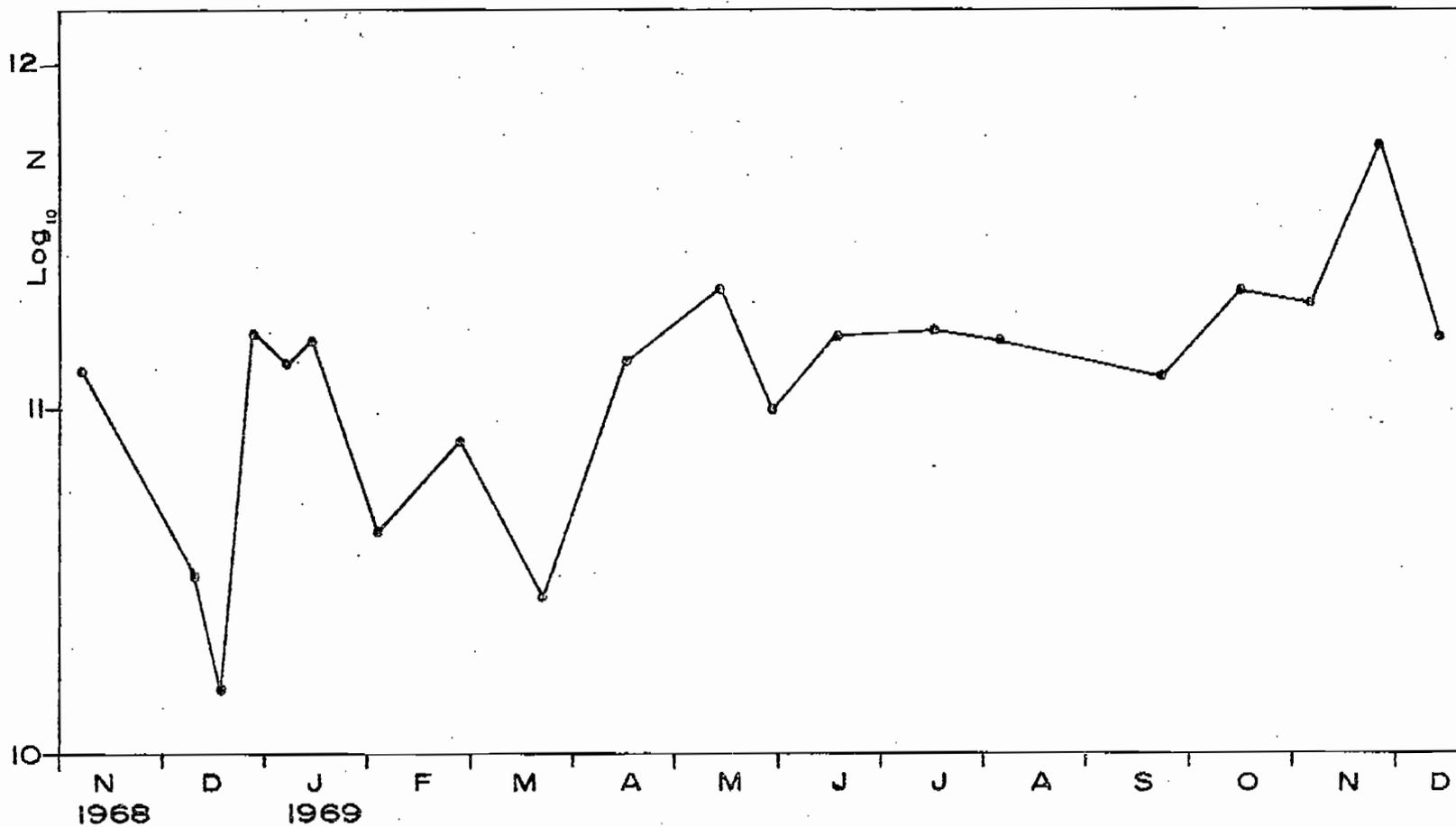


Fig. 7-14 f

L. penicillifer adults

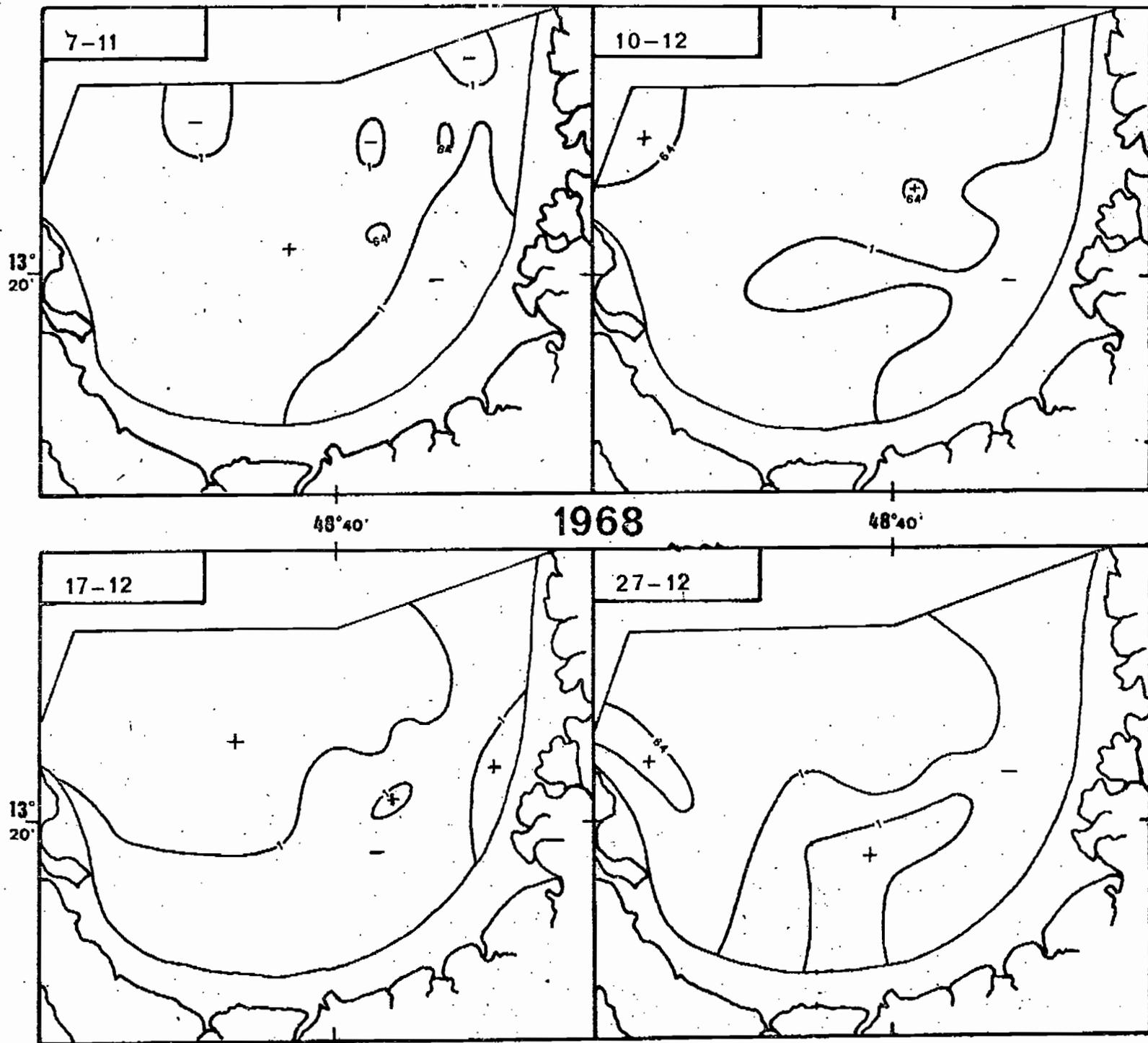
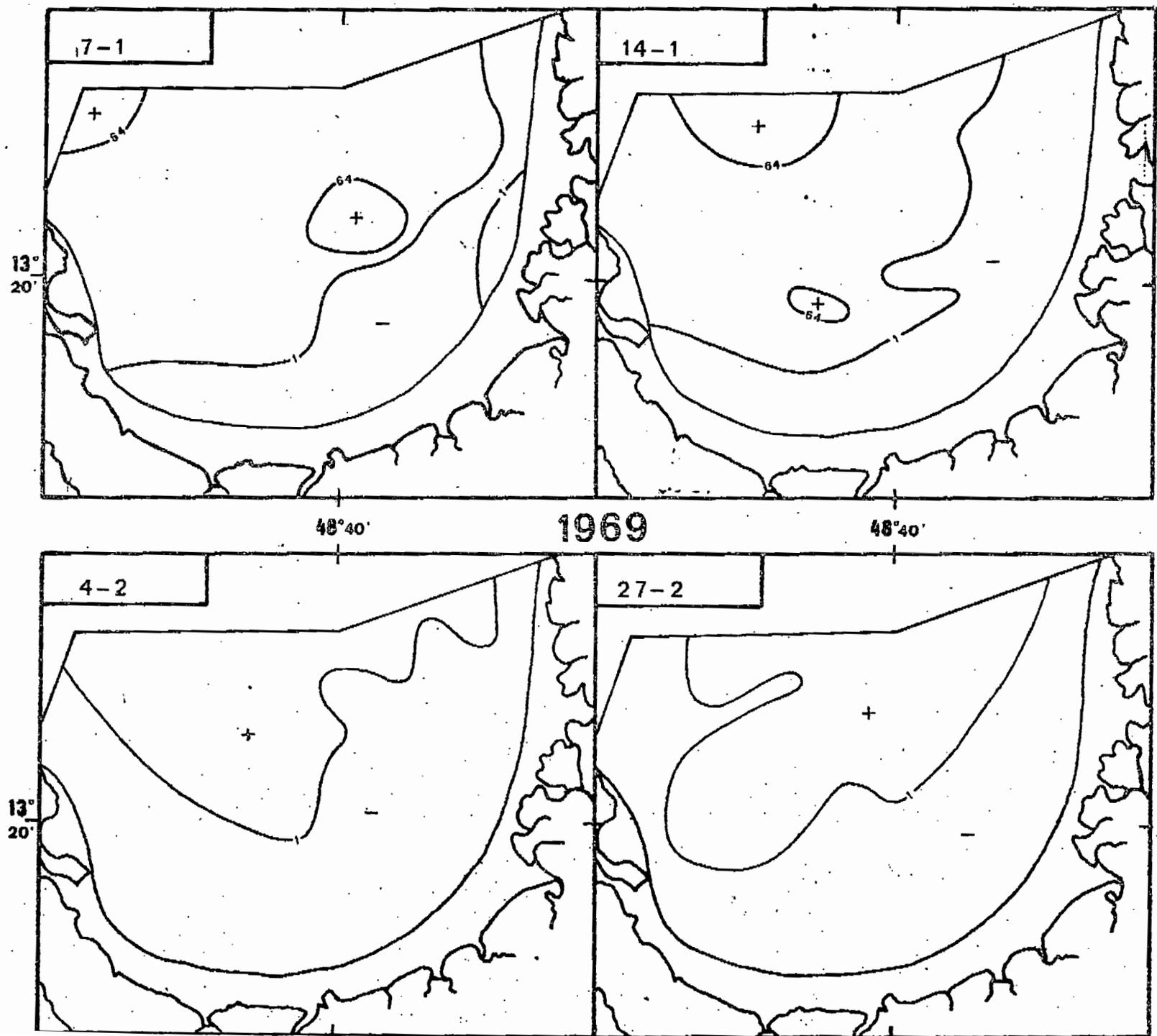
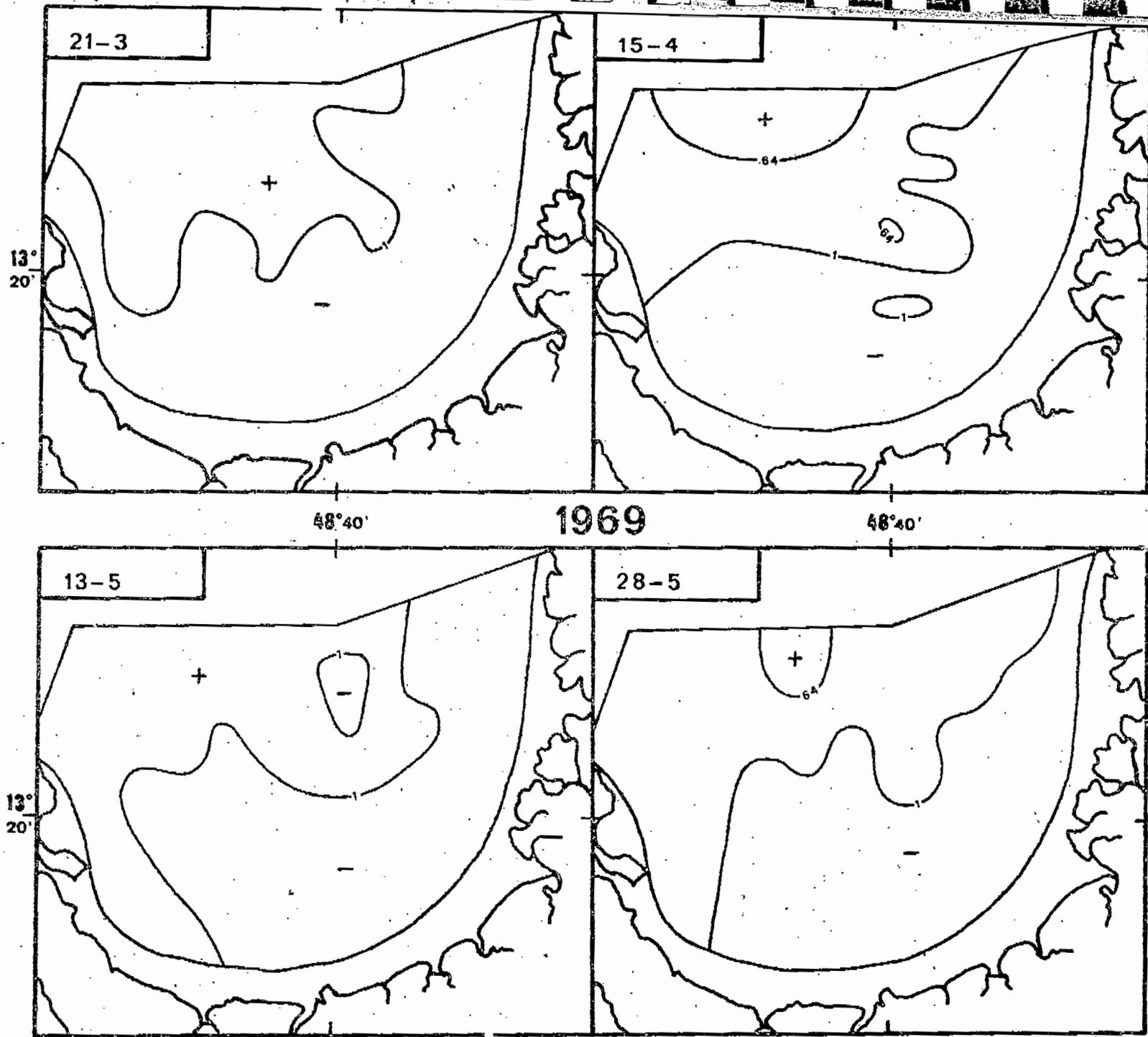


Fig. 7- 15 b

Lucifer chacei juveniles





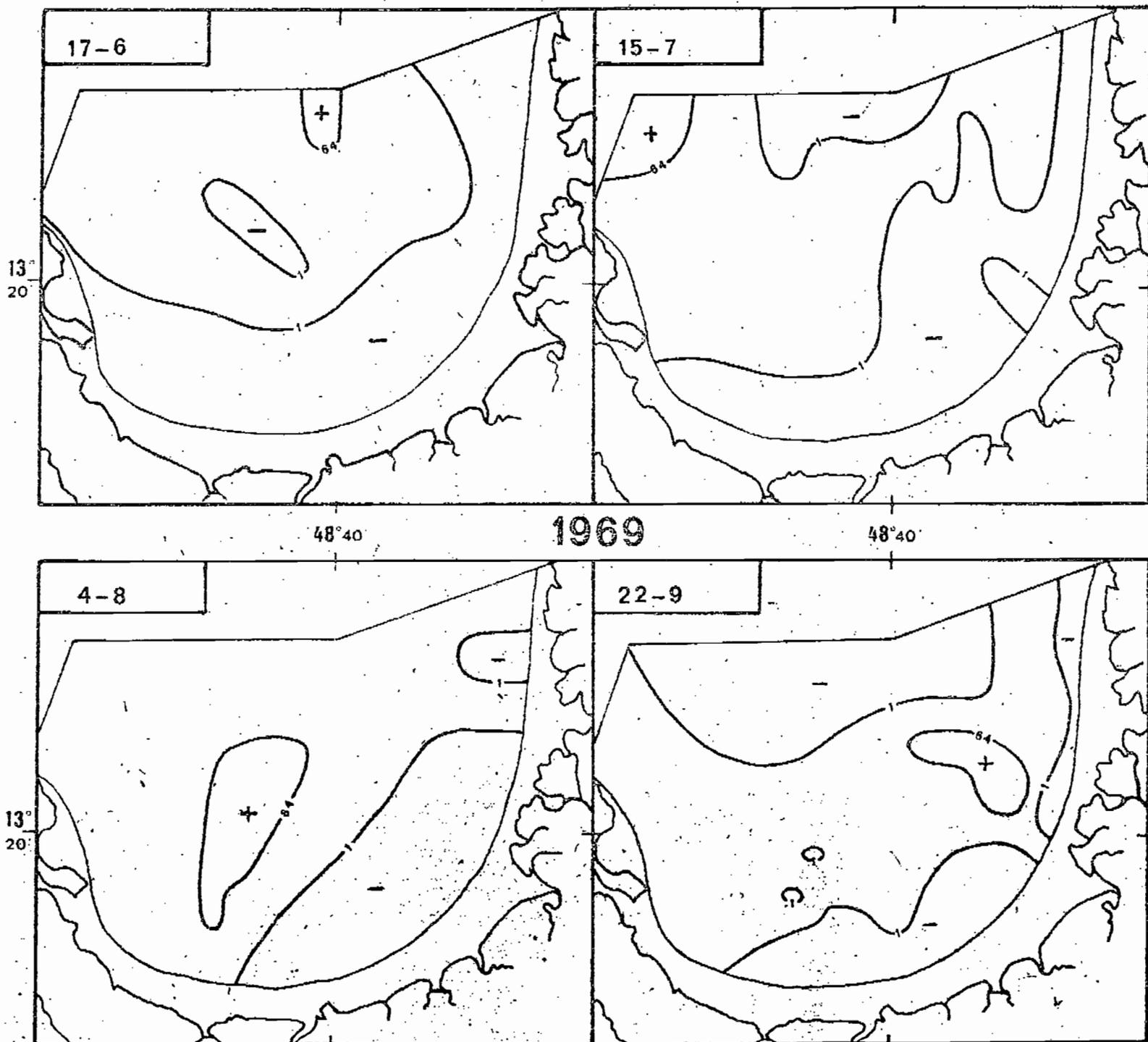
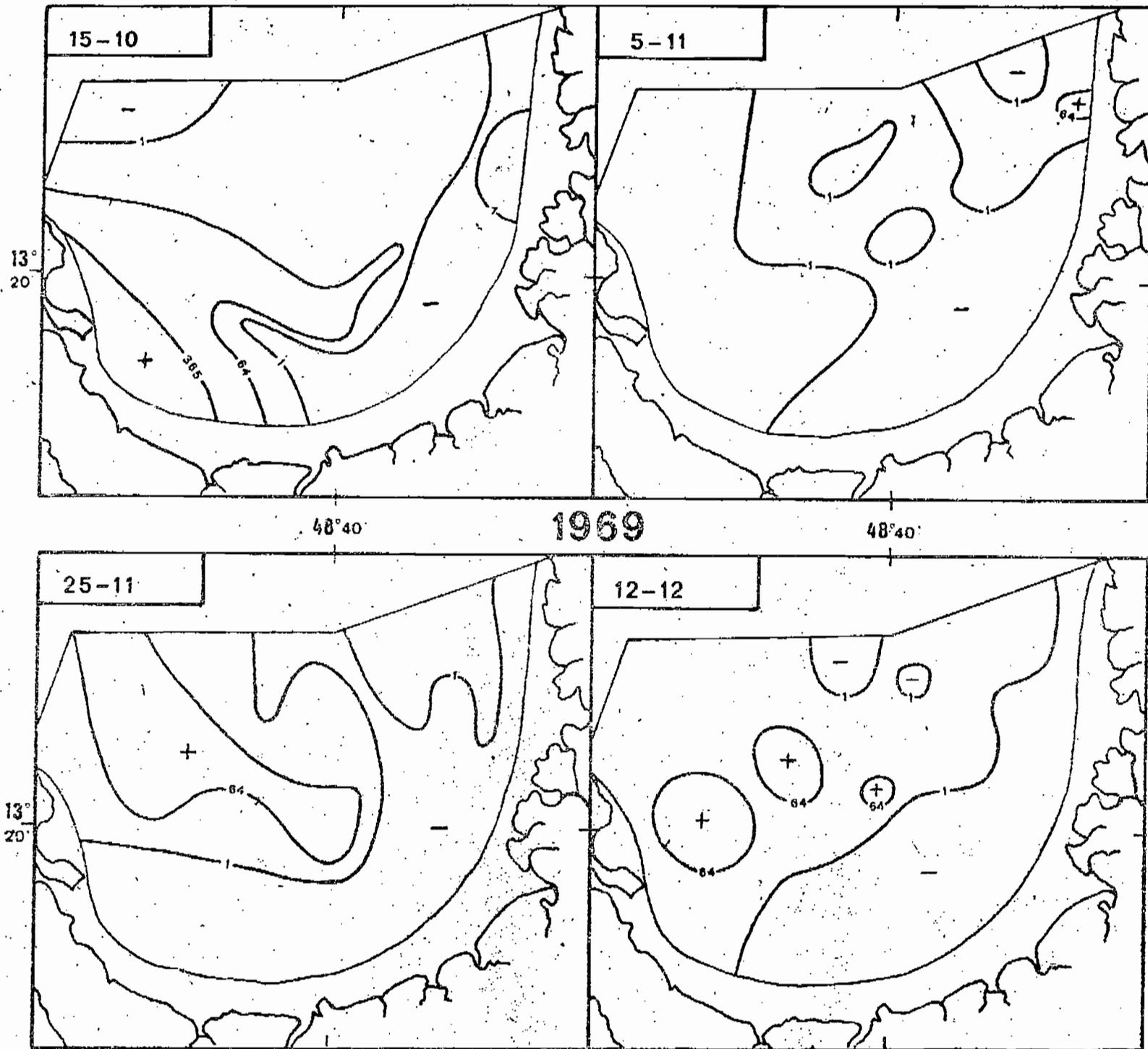


Fig. 7-15 a

Lucifer chacei juveniles



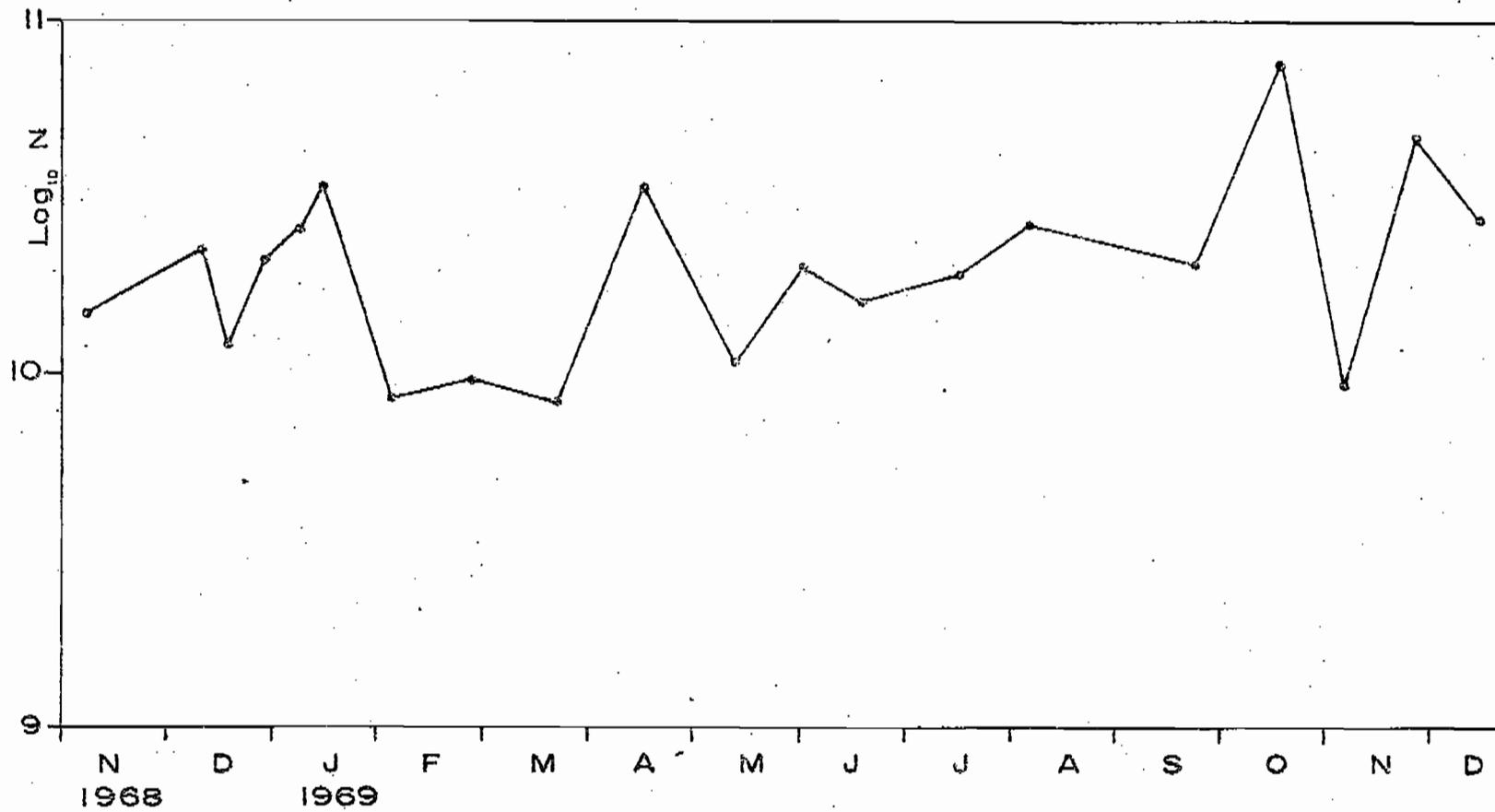


Fig. 7-15 f

L. chacei jeunes

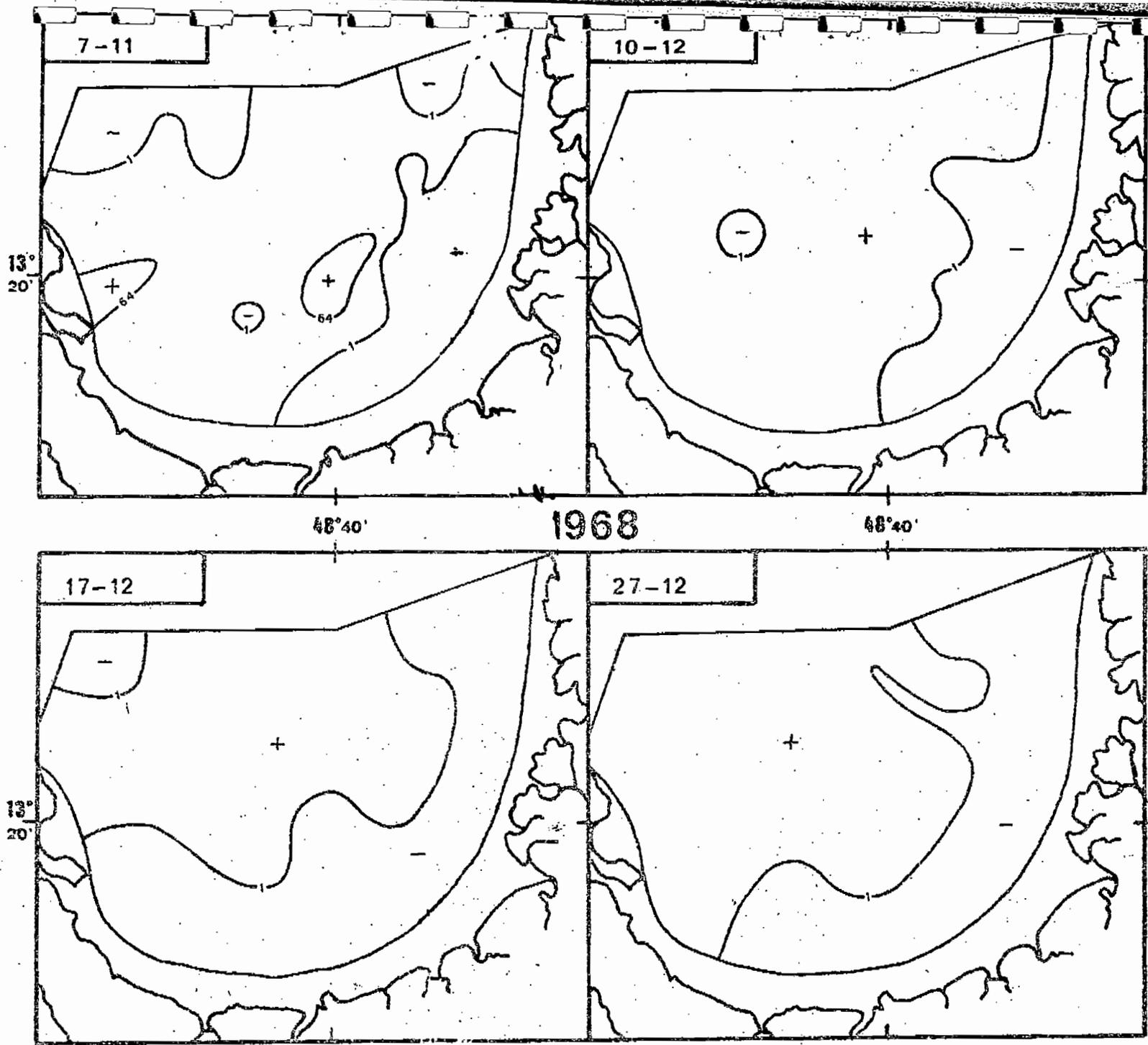
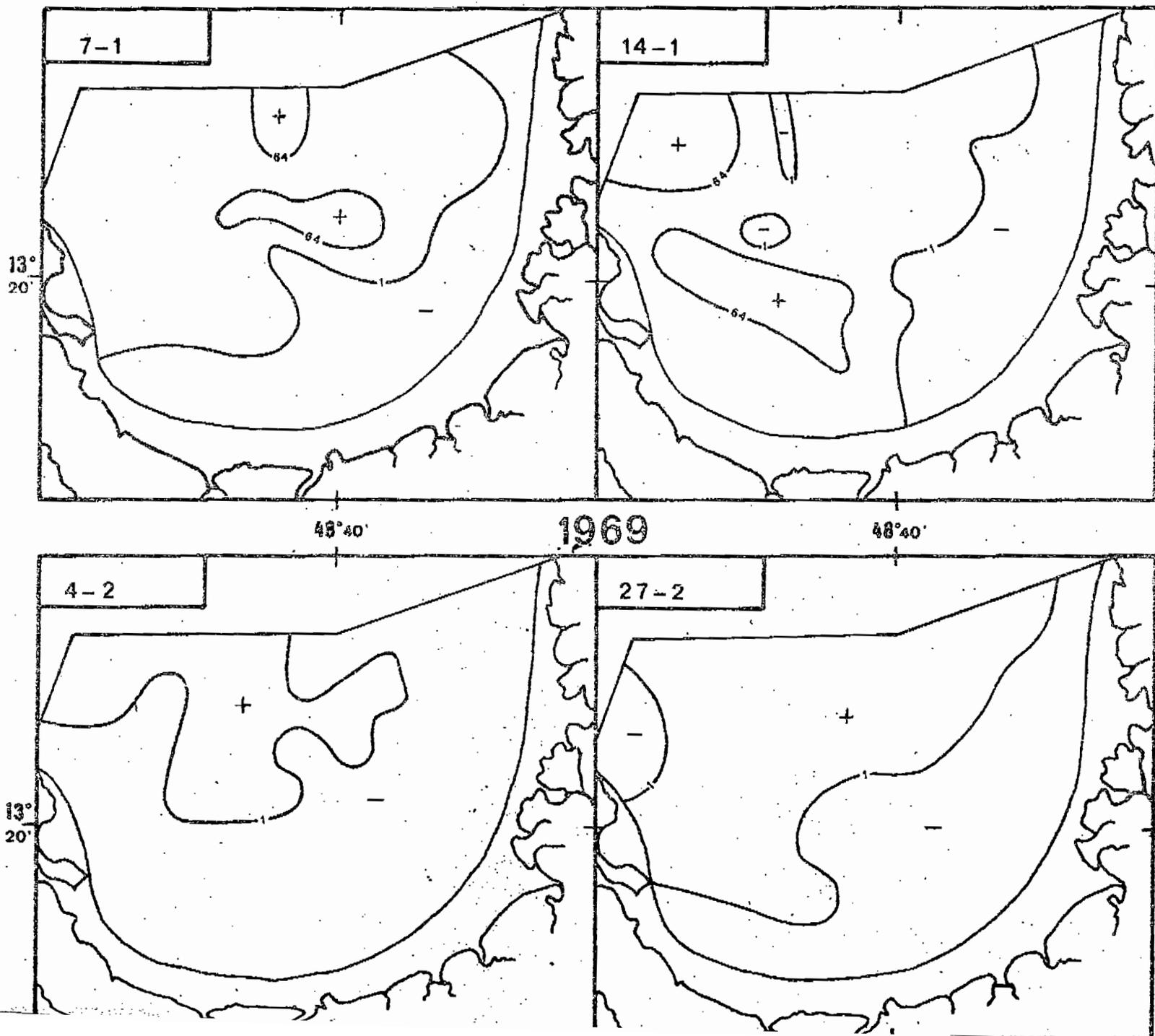


Fig. 7-16 b

Lucifer chacei adults



ig. 7-16c

Lucifer chacei adultes

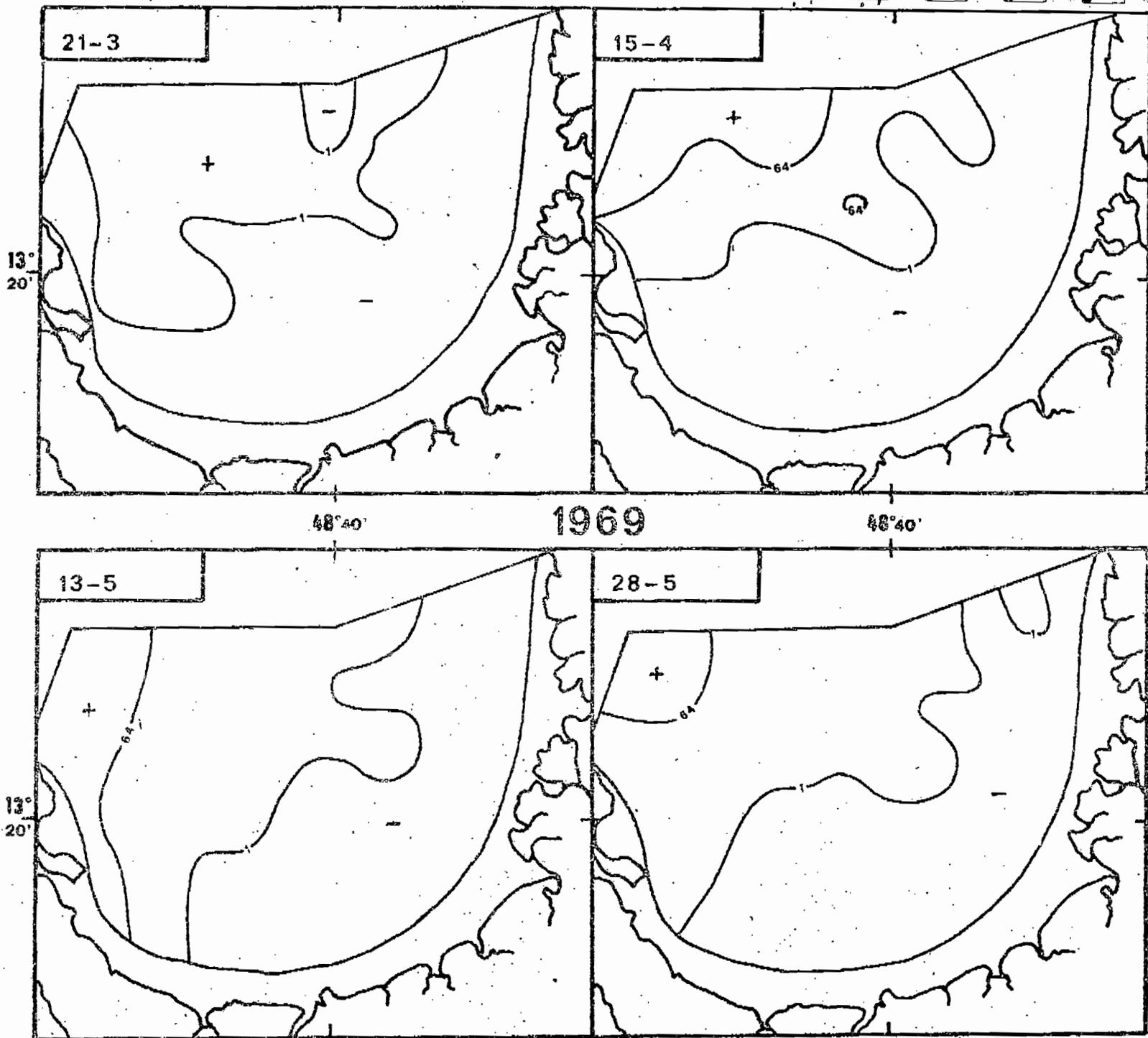


Fig. 7-16 d

Lucifer chacei adules

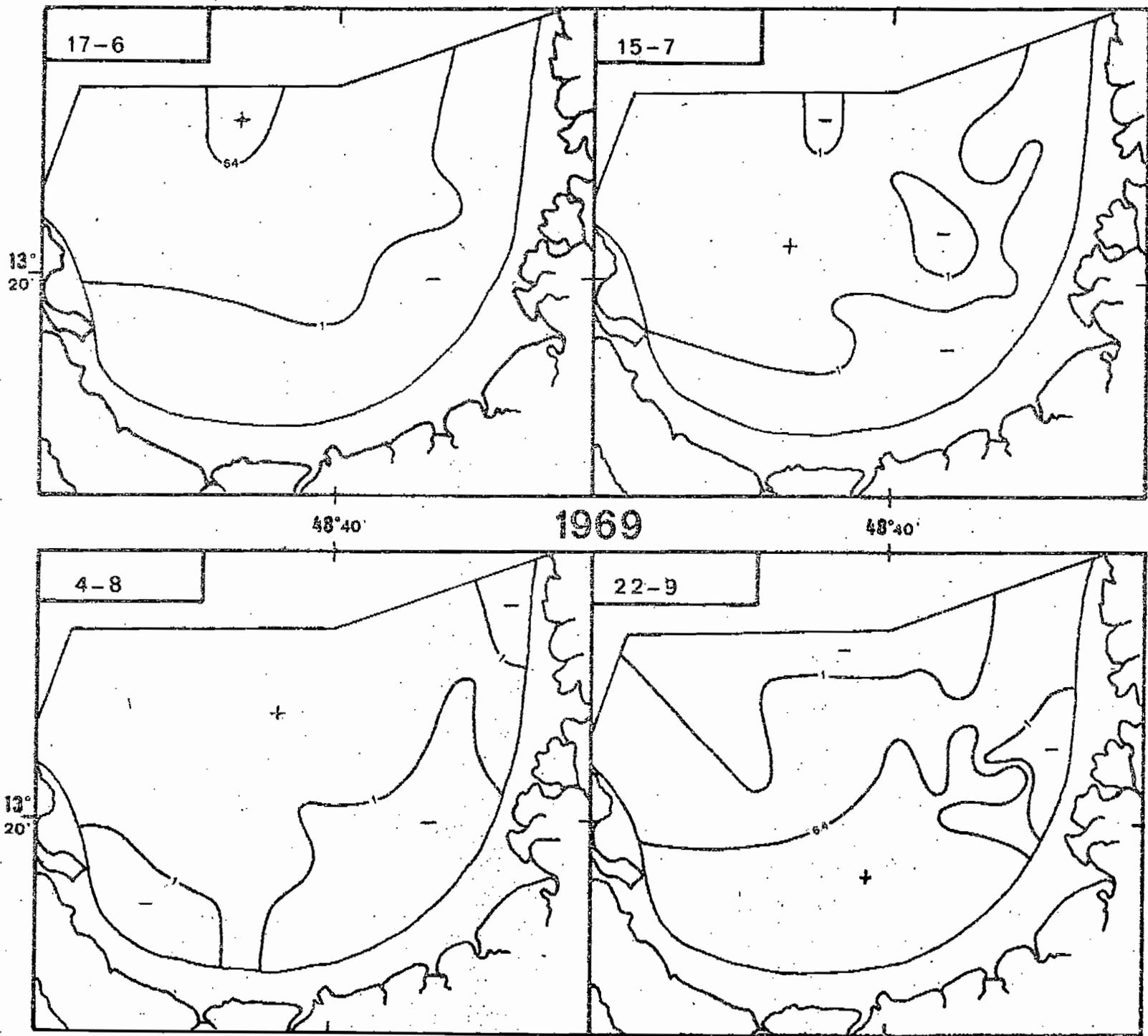
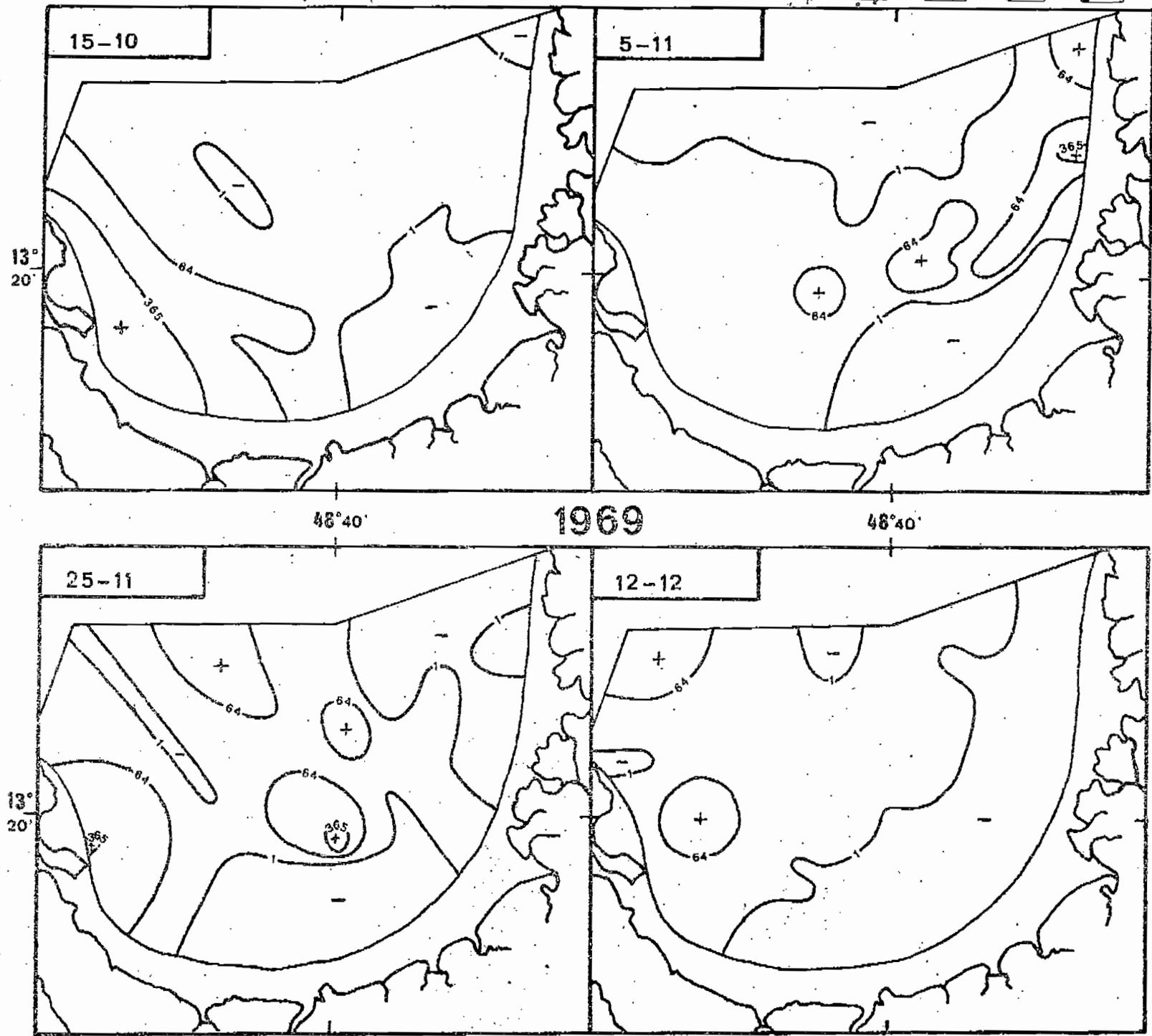


Fig. 7-16 e

Lucifer chacei adults



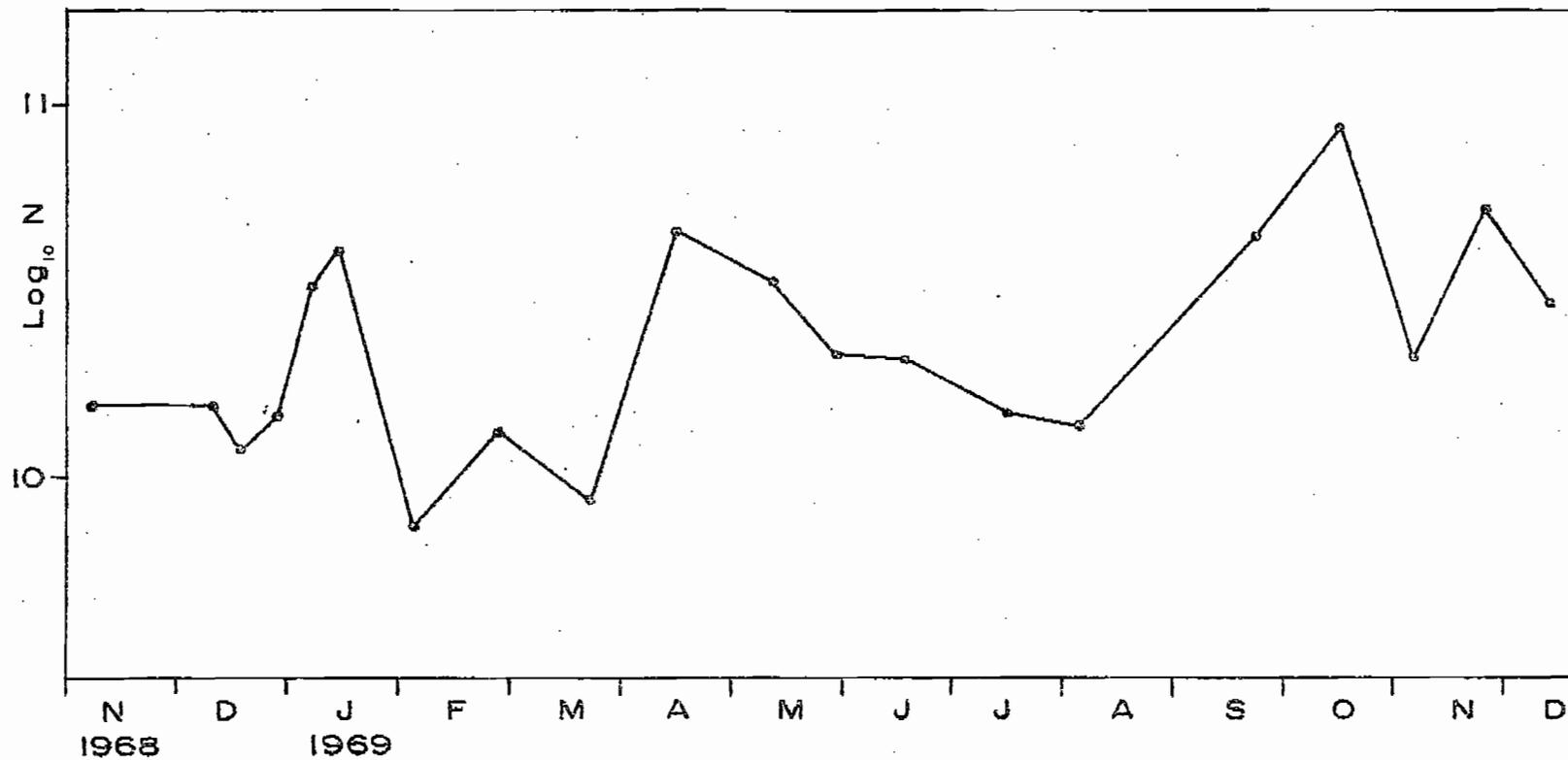


Fig. 7-16 f.

L. chacei adults

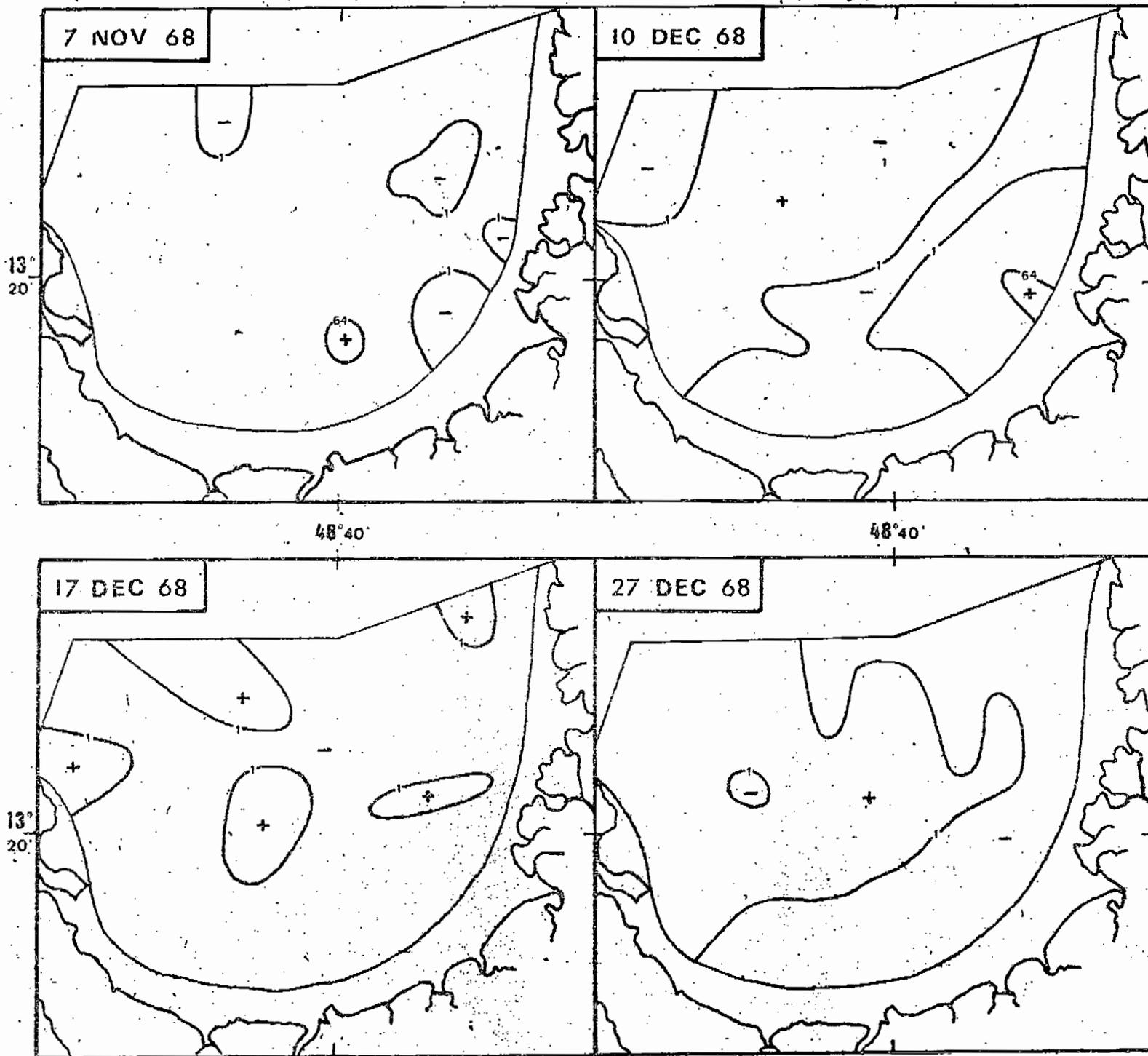
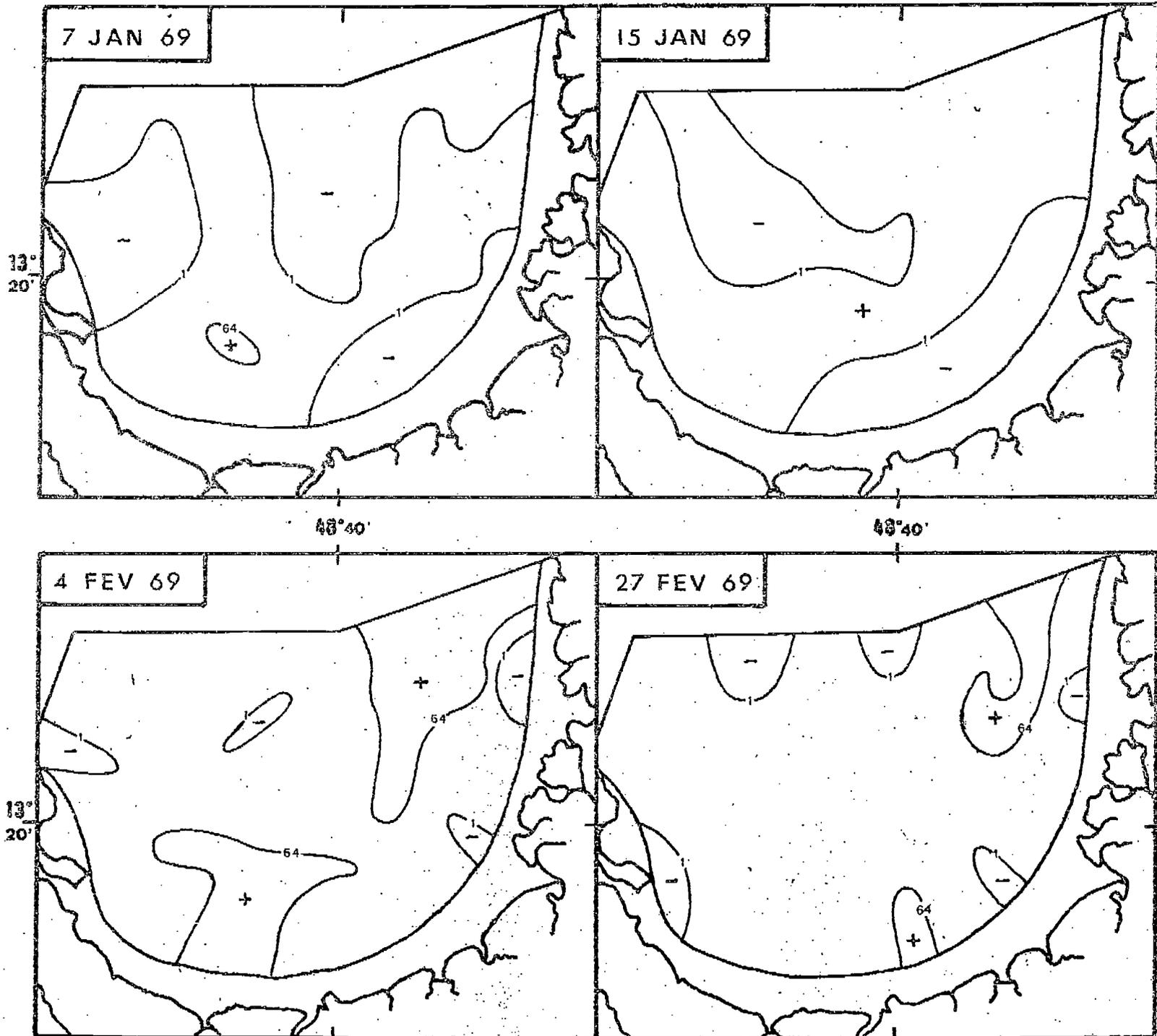


Fig. 7-17 b

CTENAIRES CYDIPPOIDES



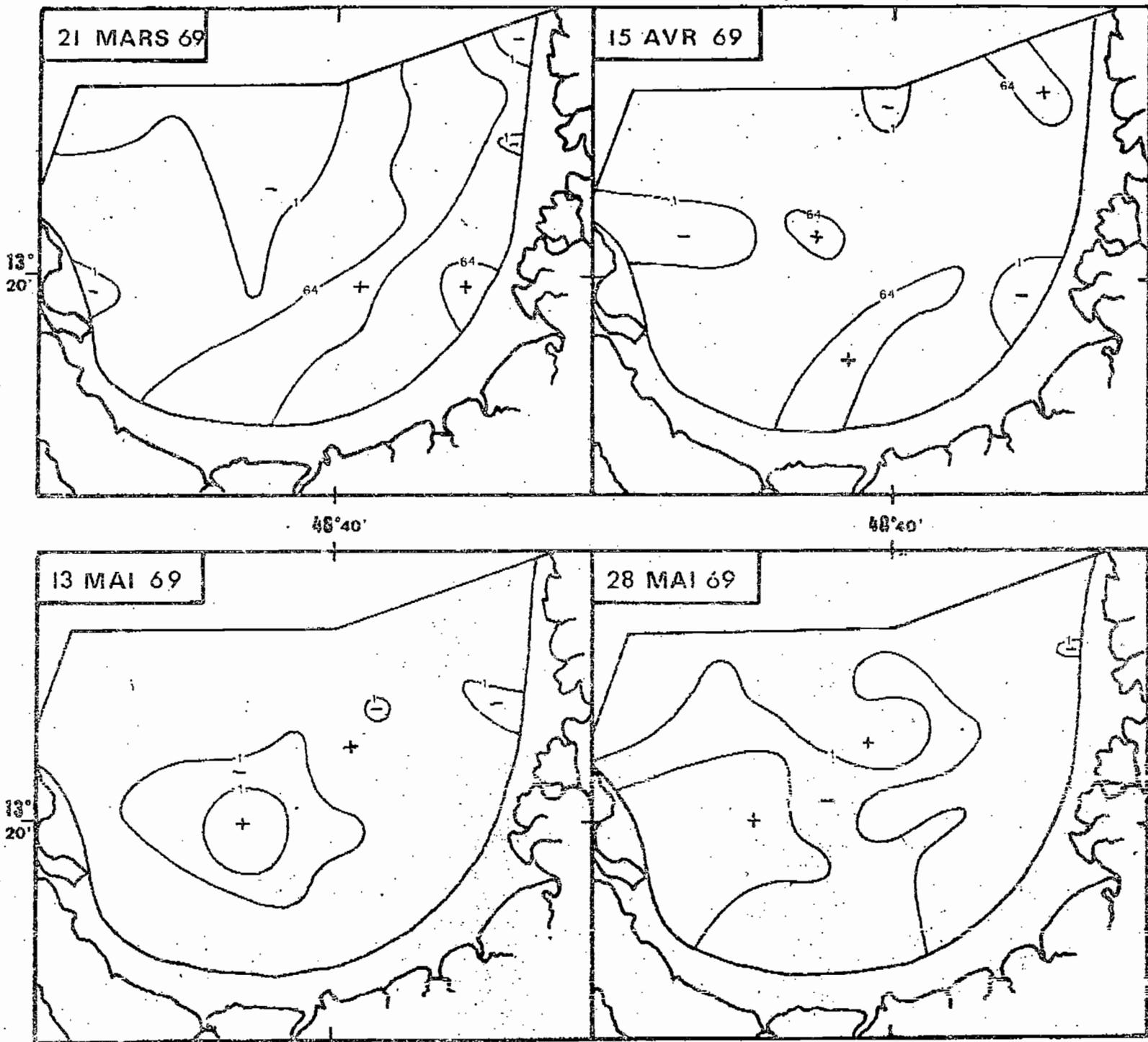


FIG. 7-17 D

CTENAIRES CYDIPPOIDES

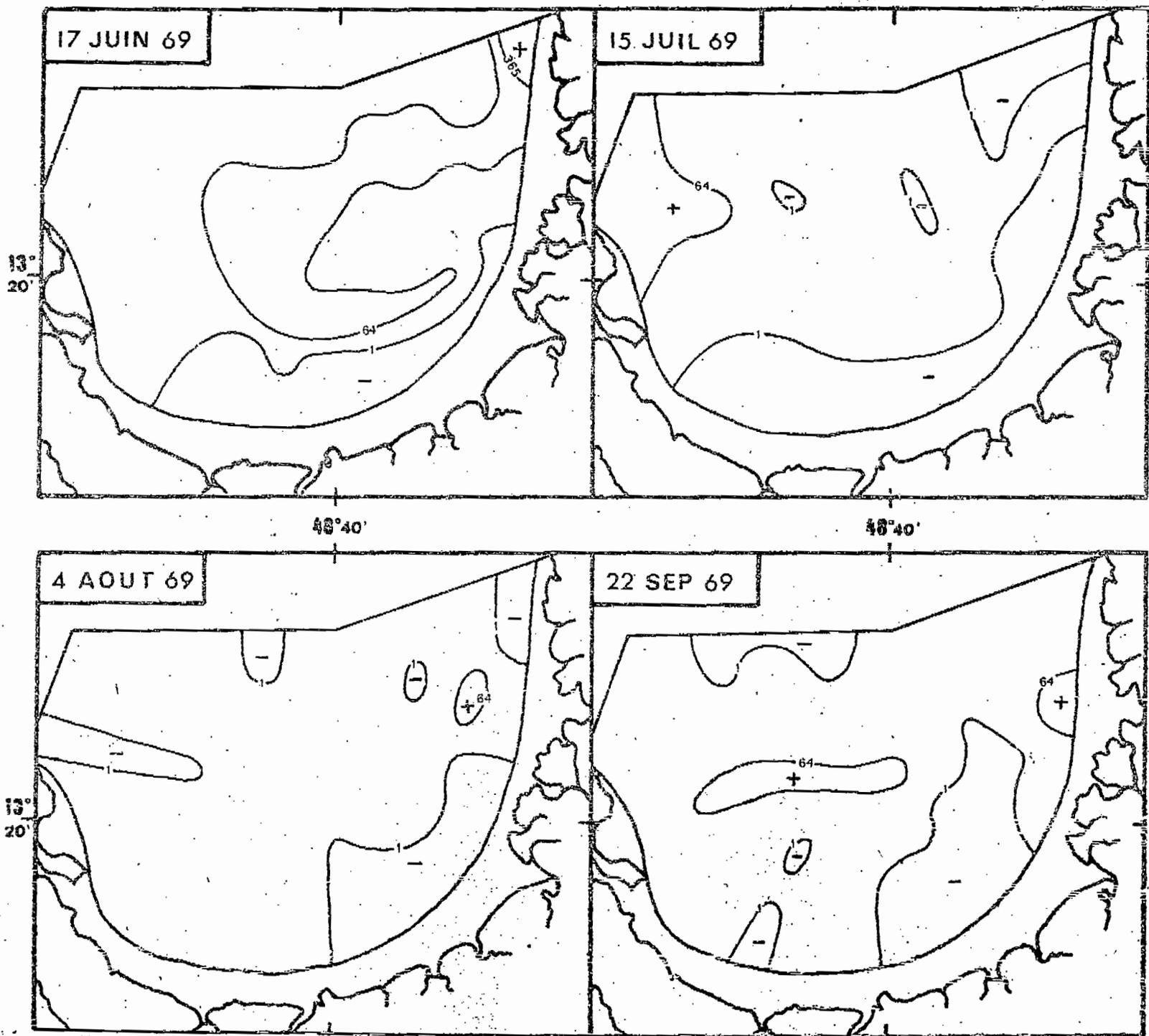
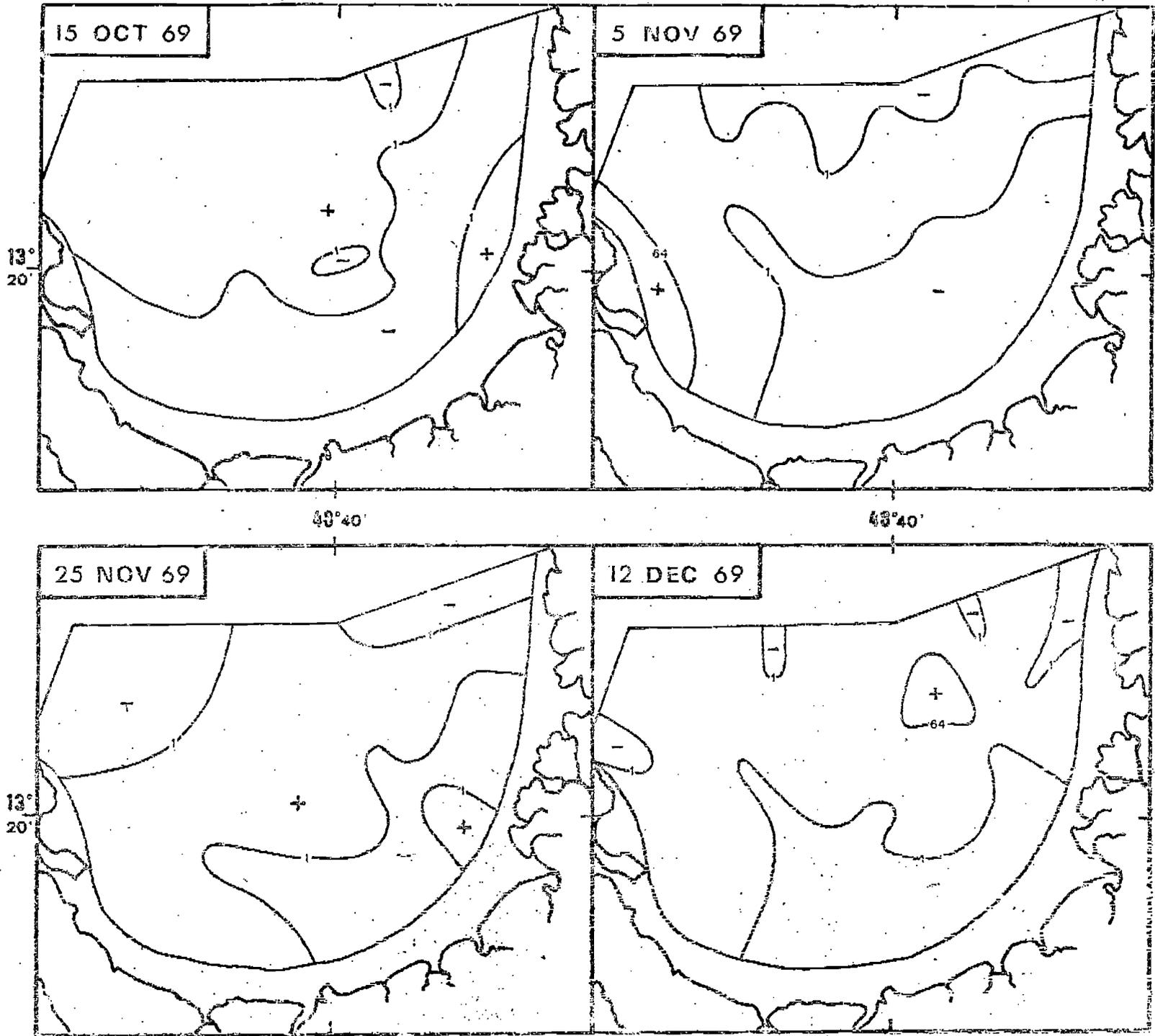


Fig. 7-17 0

CTENAIRES CYDIPPOIDES



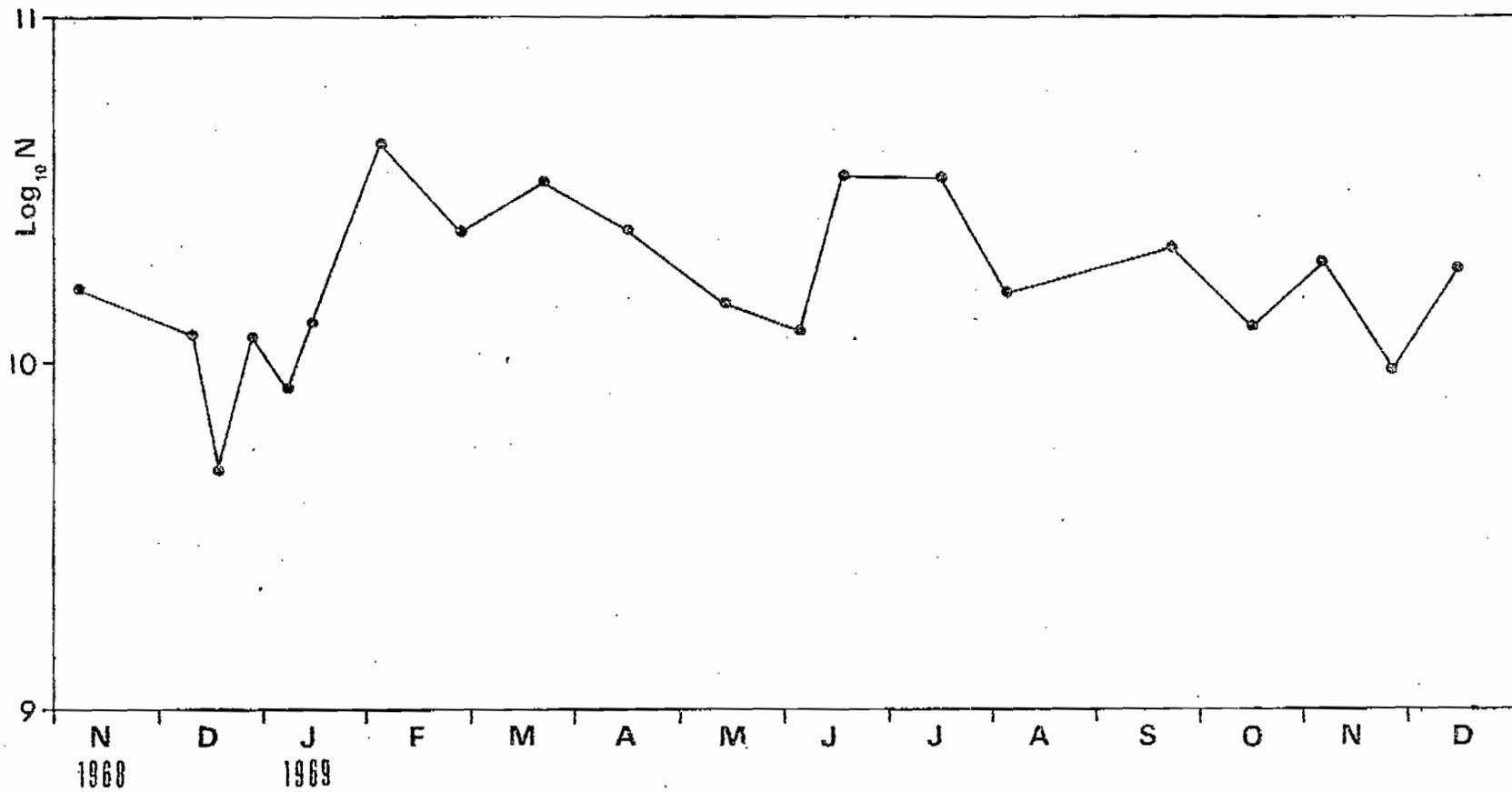
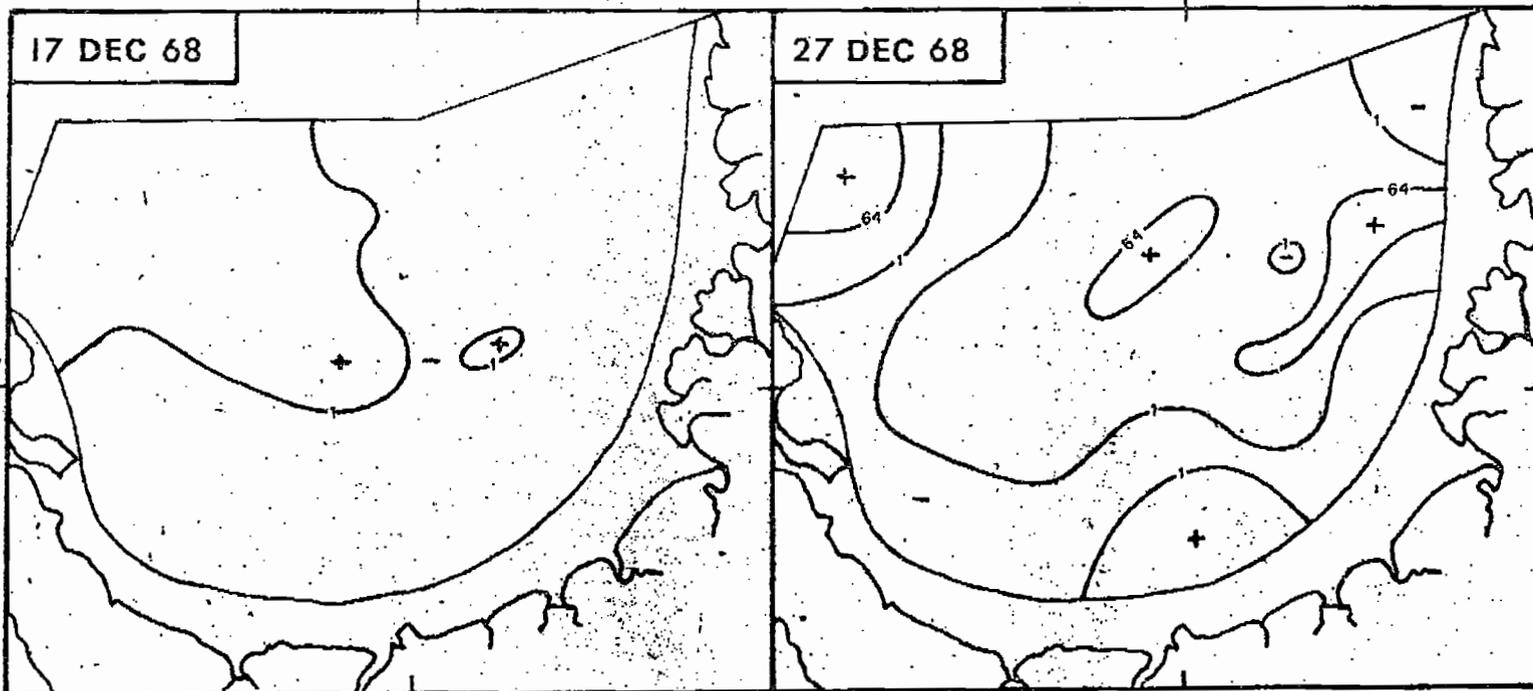
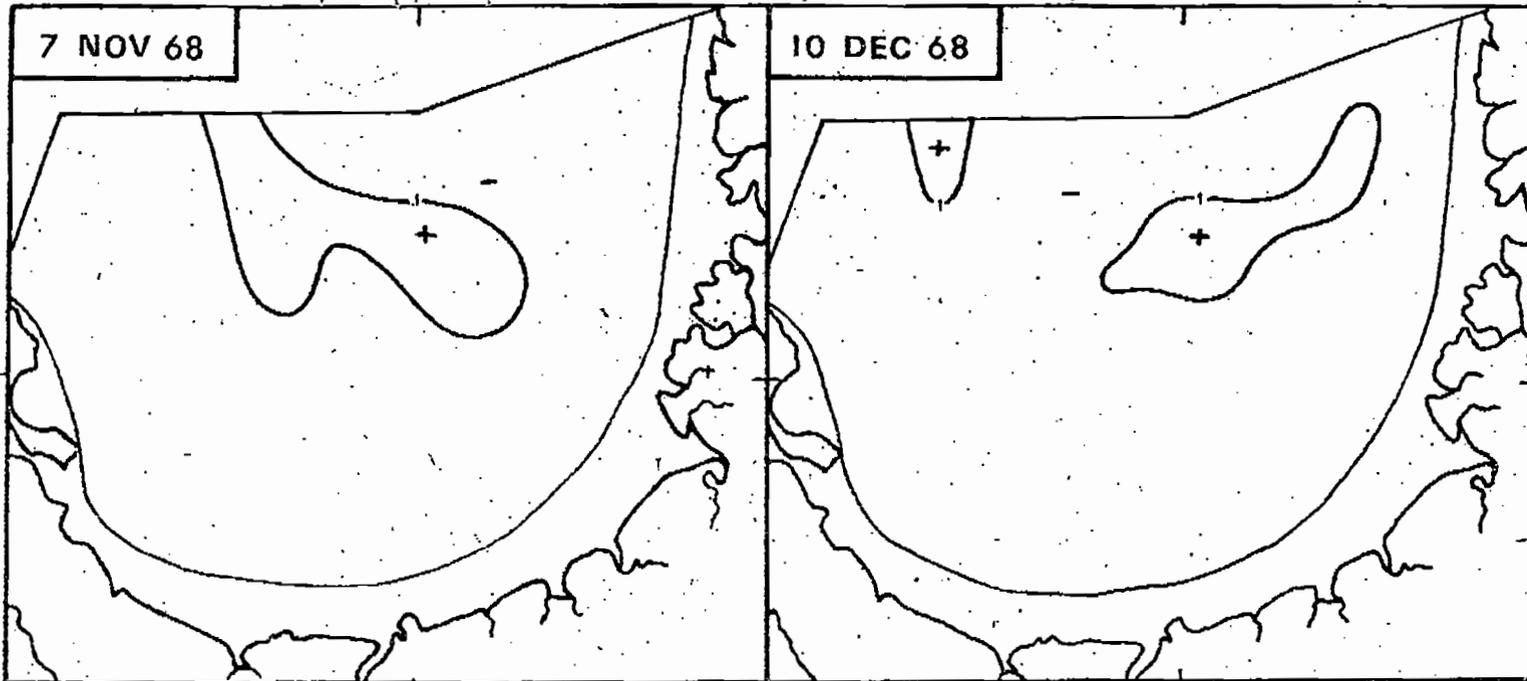
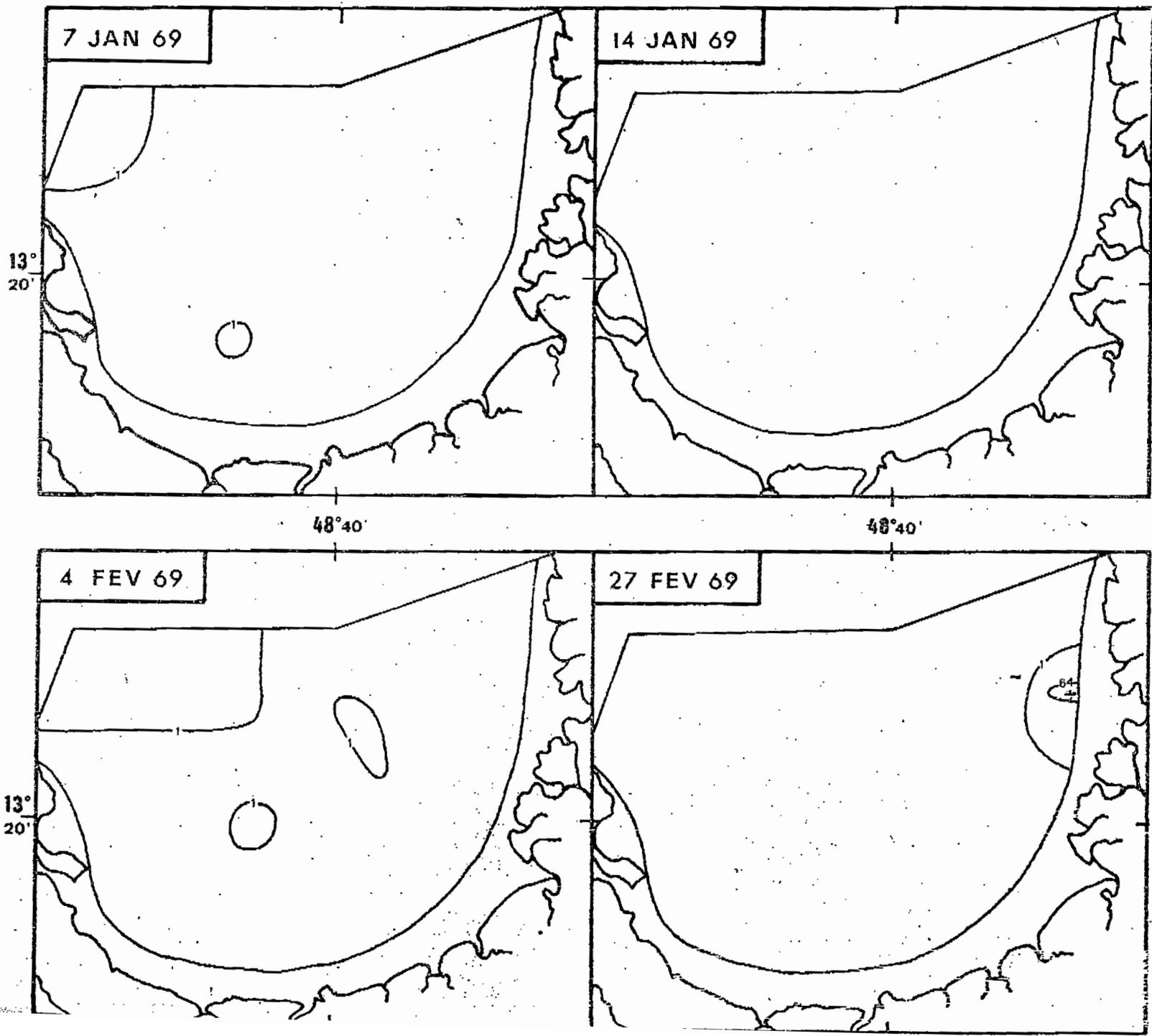


Fig. 7-17 f

CTENAIRES CYDIPPOIDES





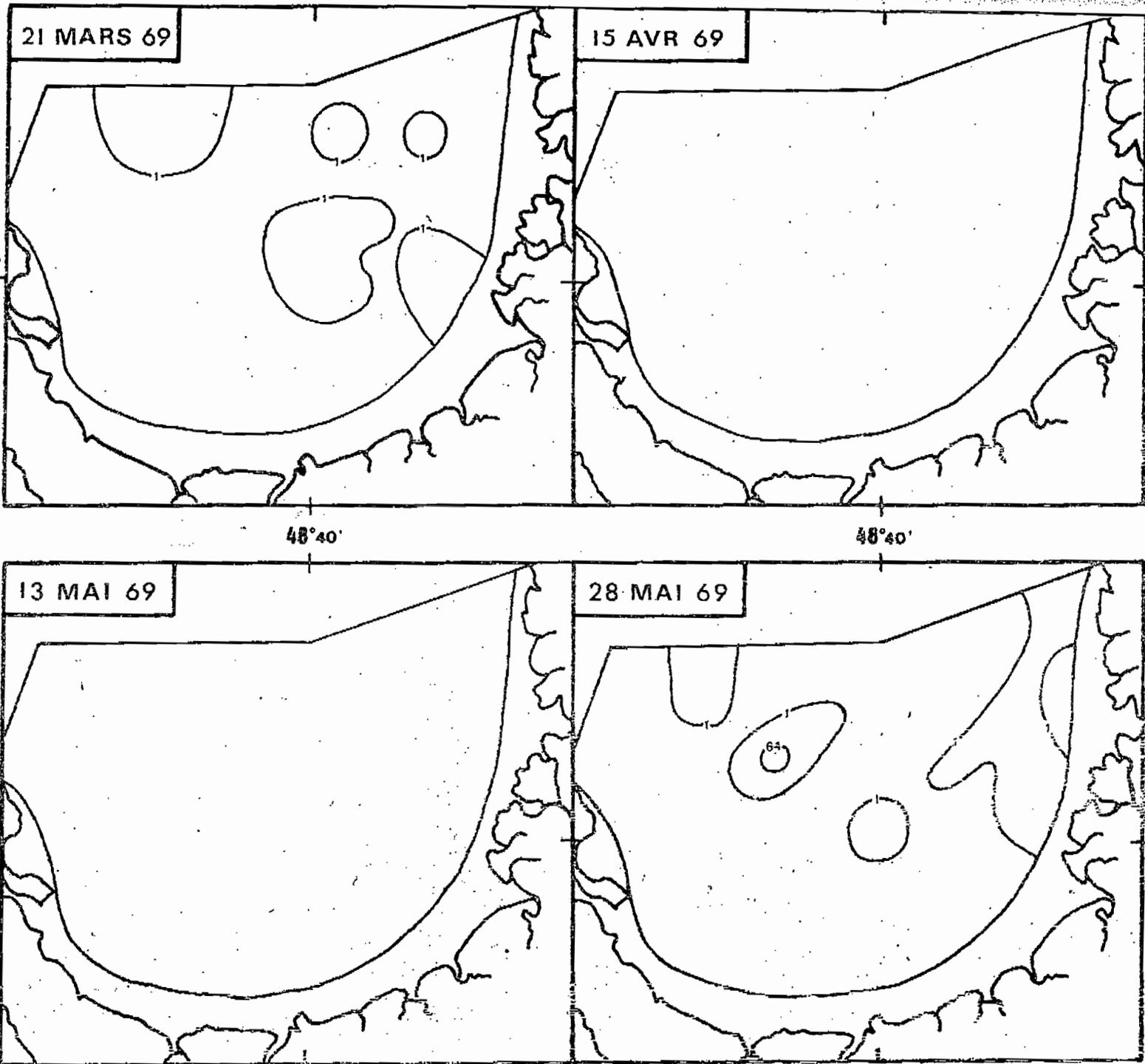
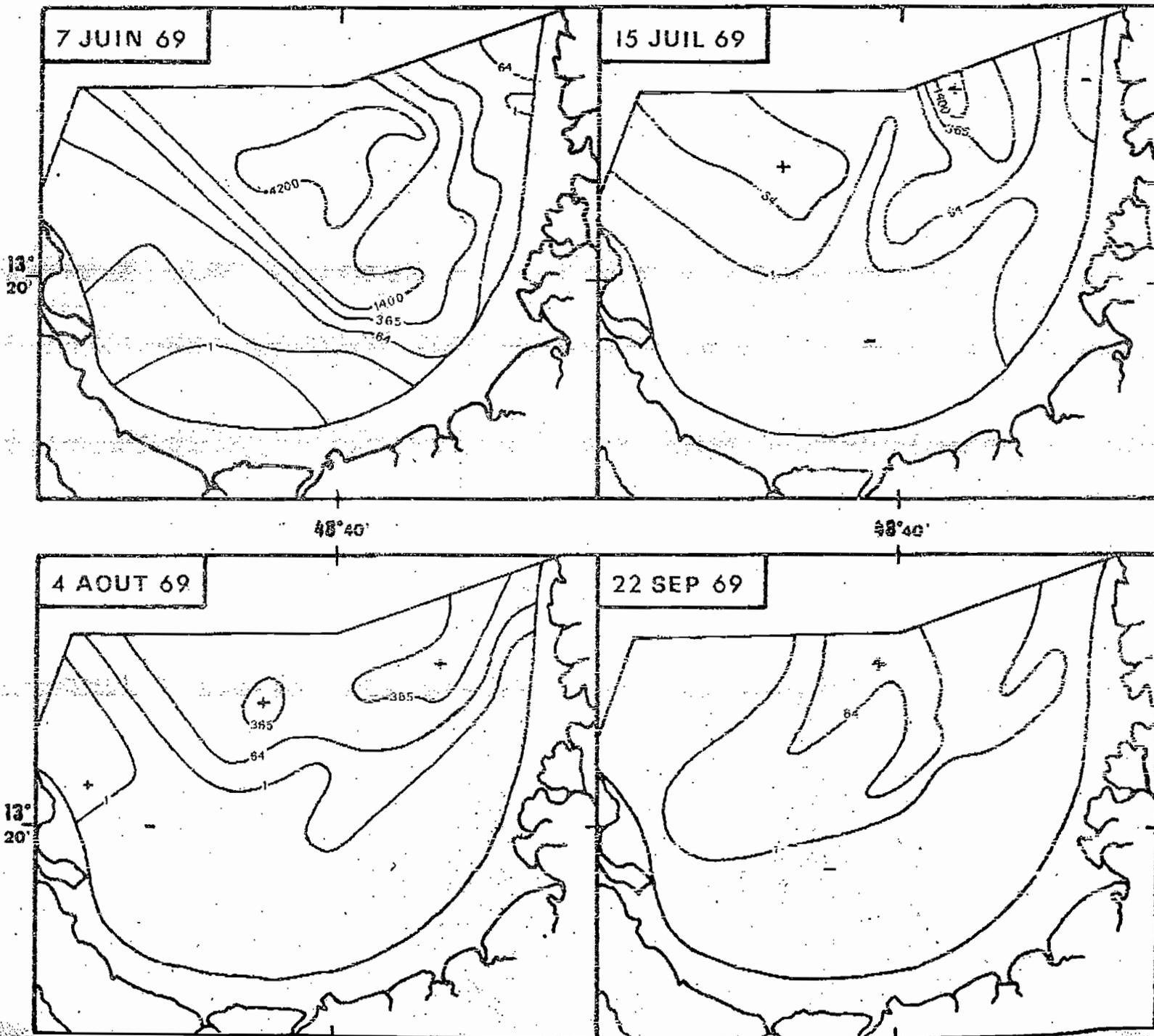
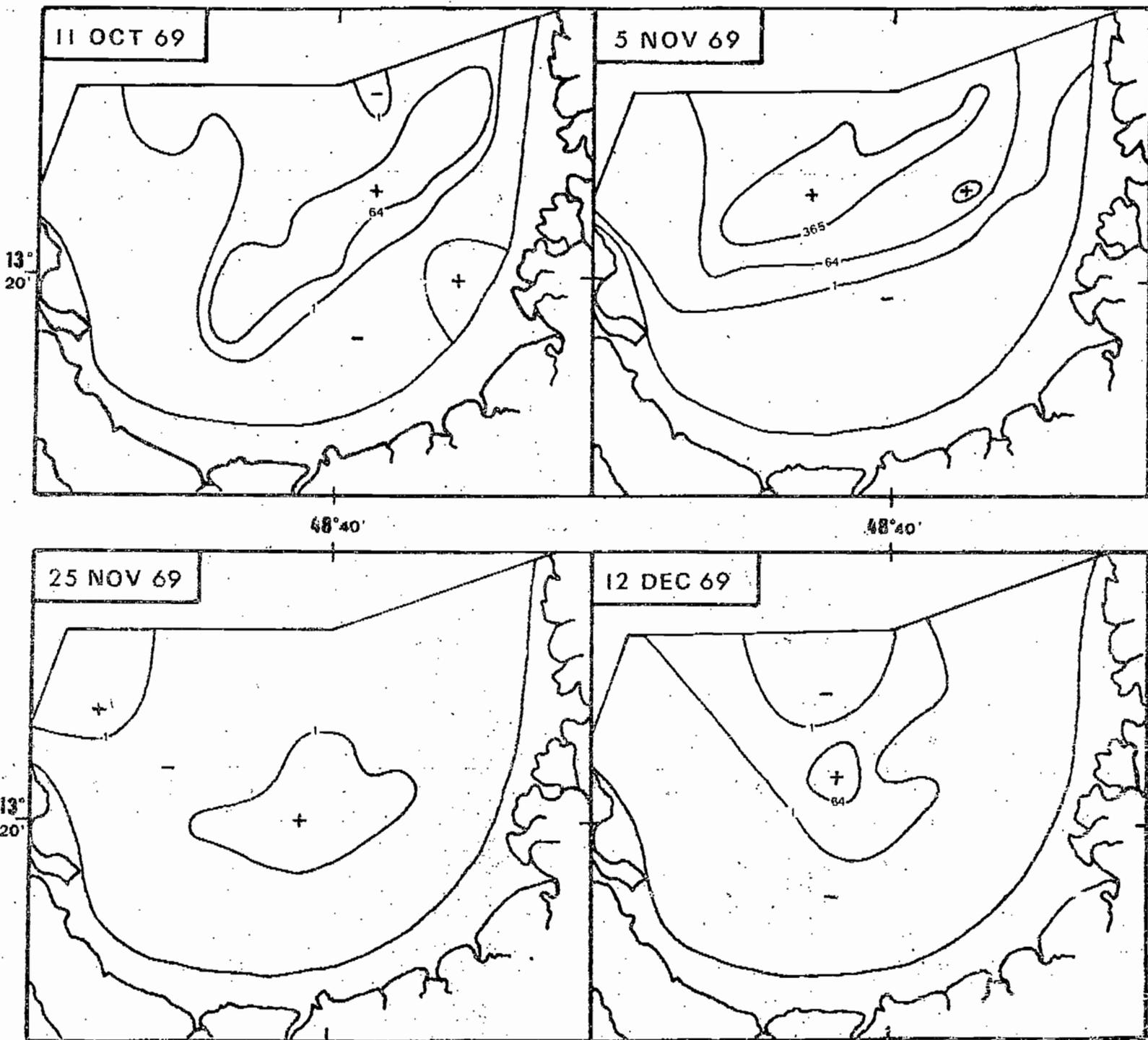


Fig. 7 - 18 d

SALPES





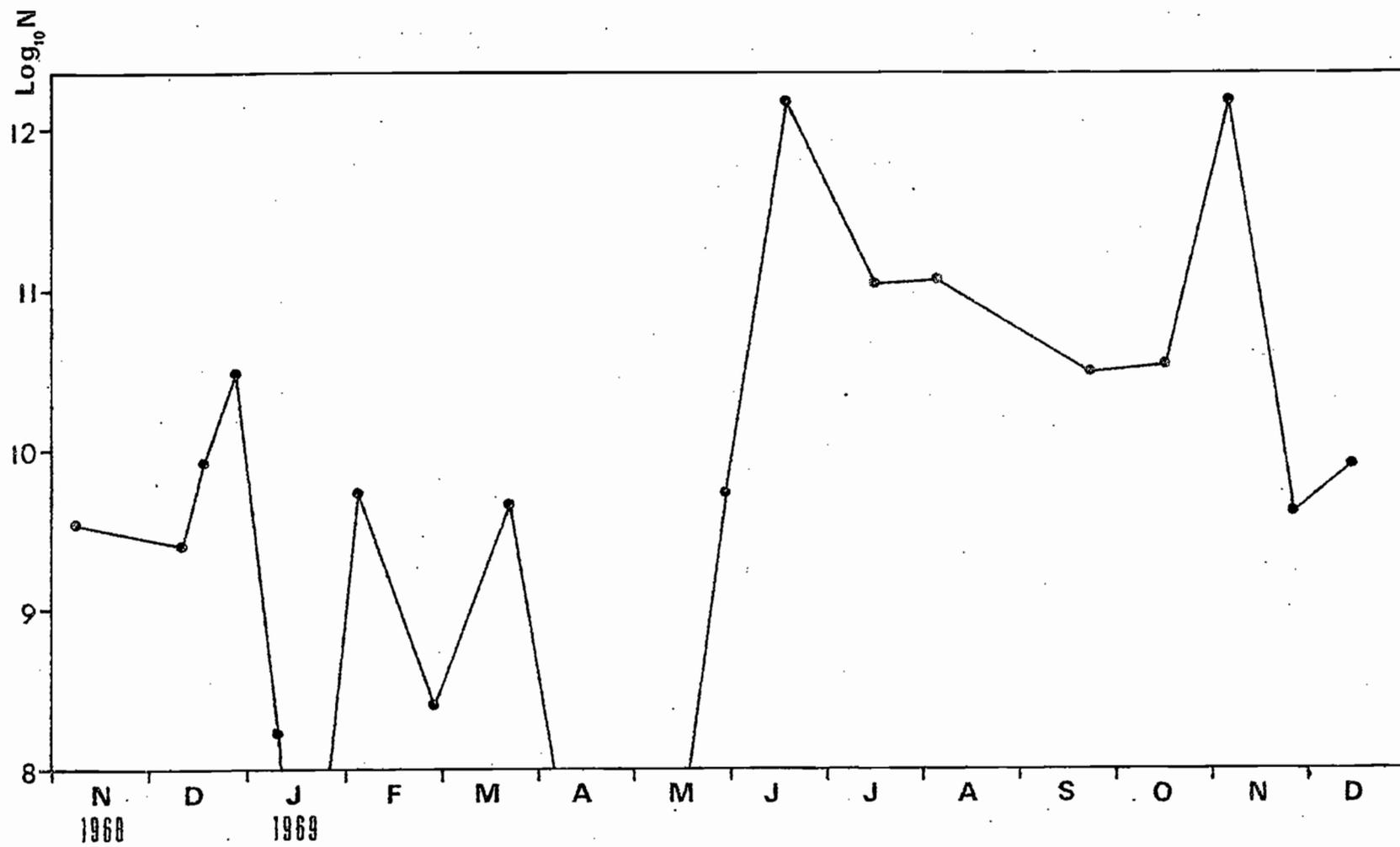
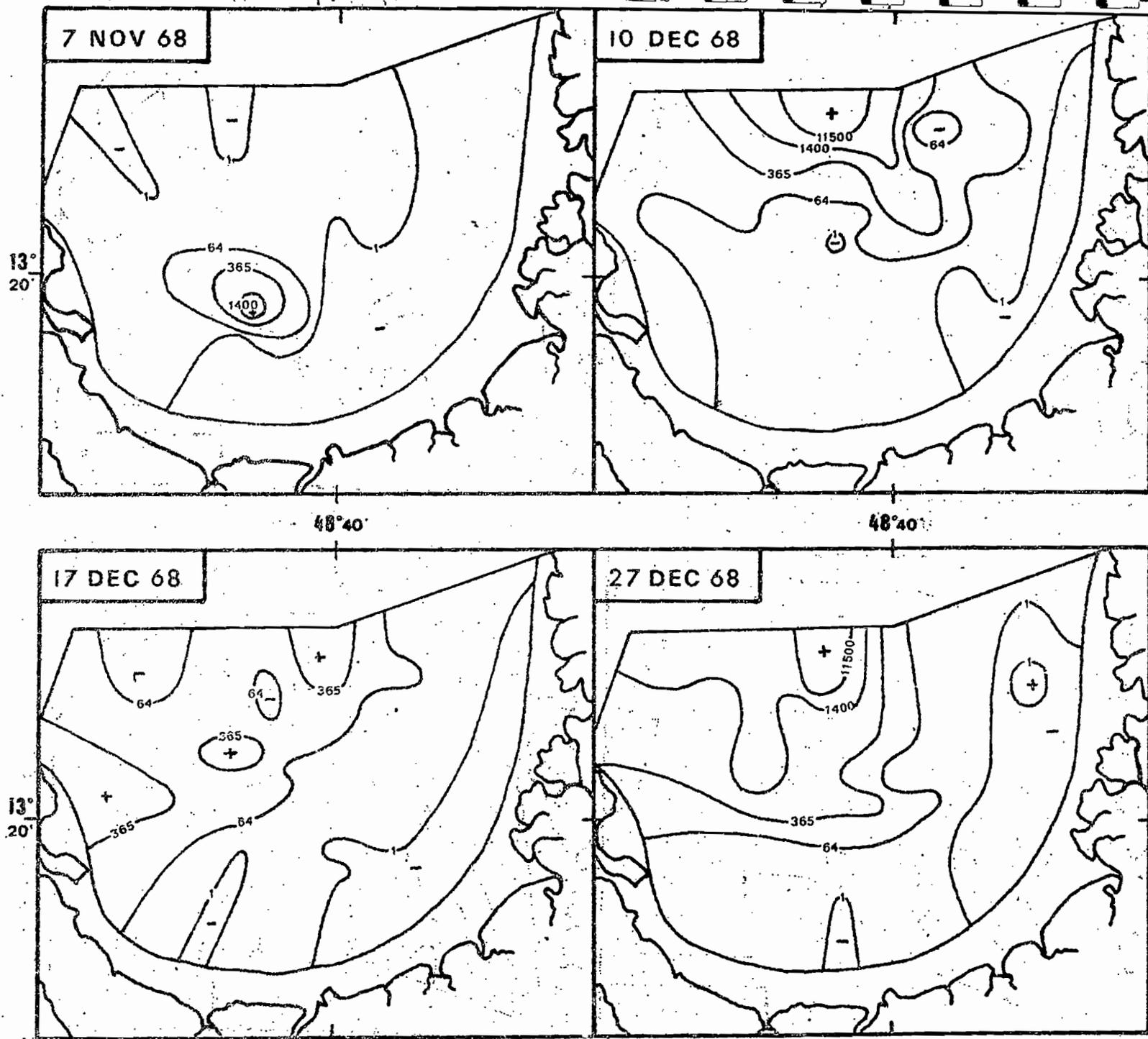


Fig. 7 - 18 f

SALPES



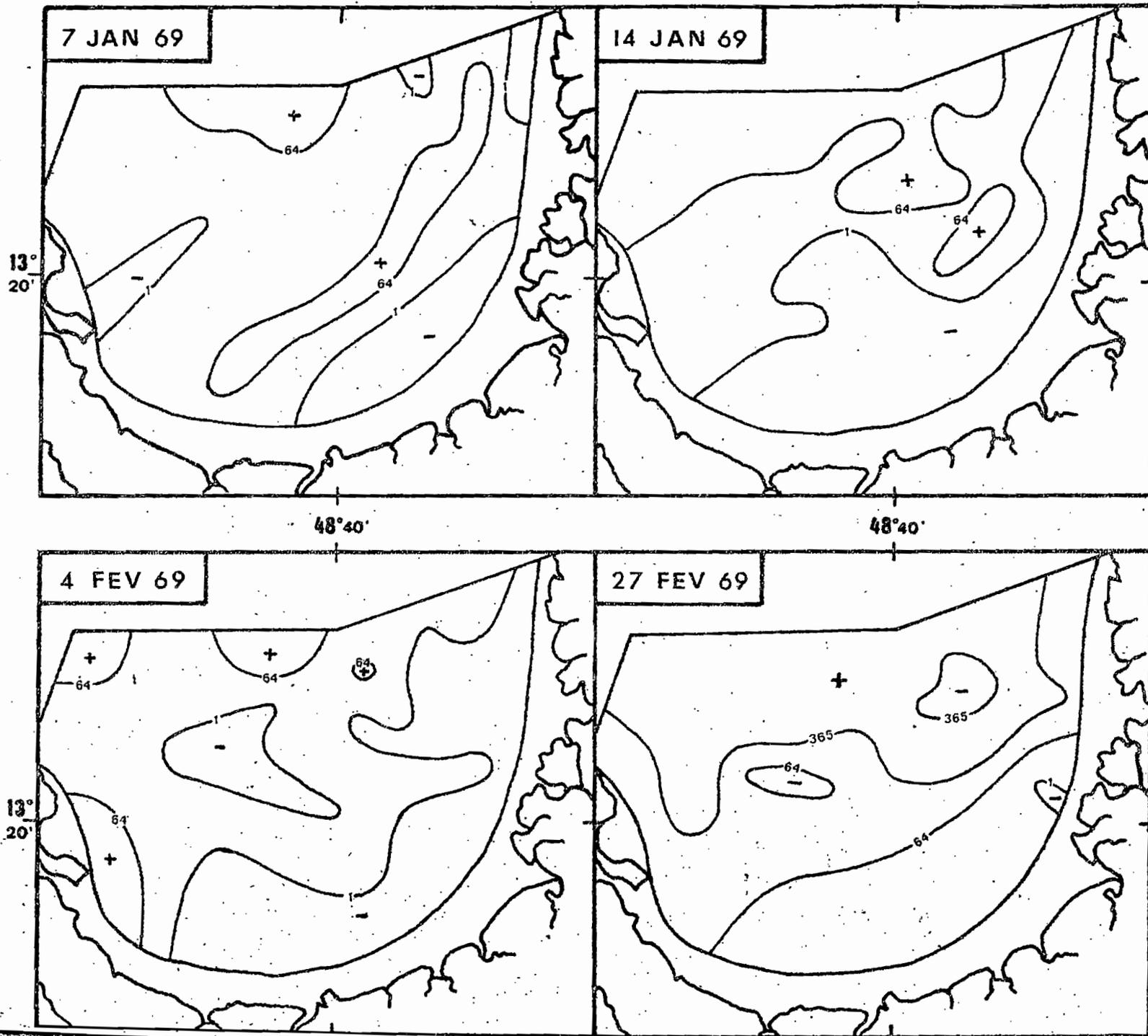
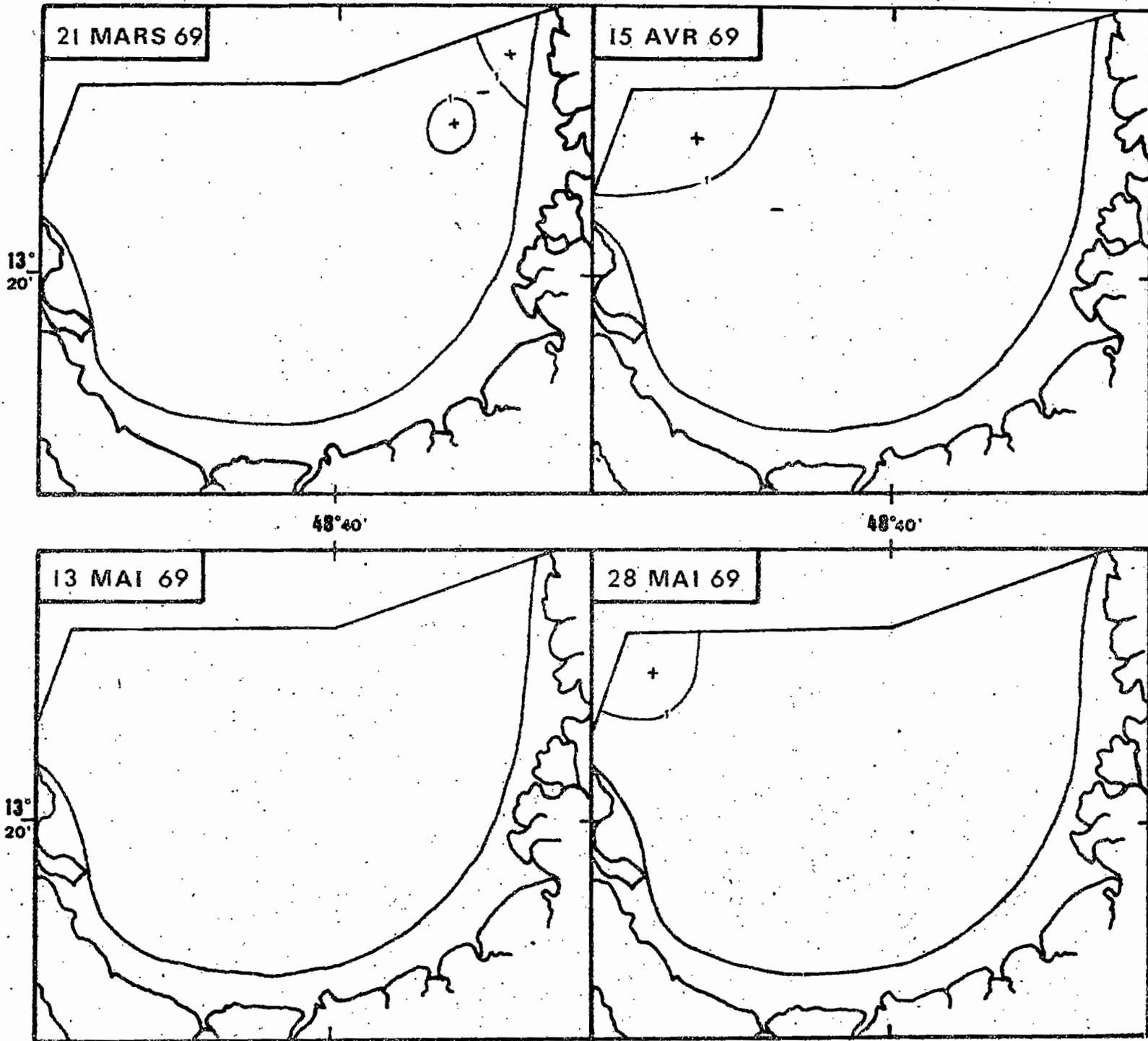
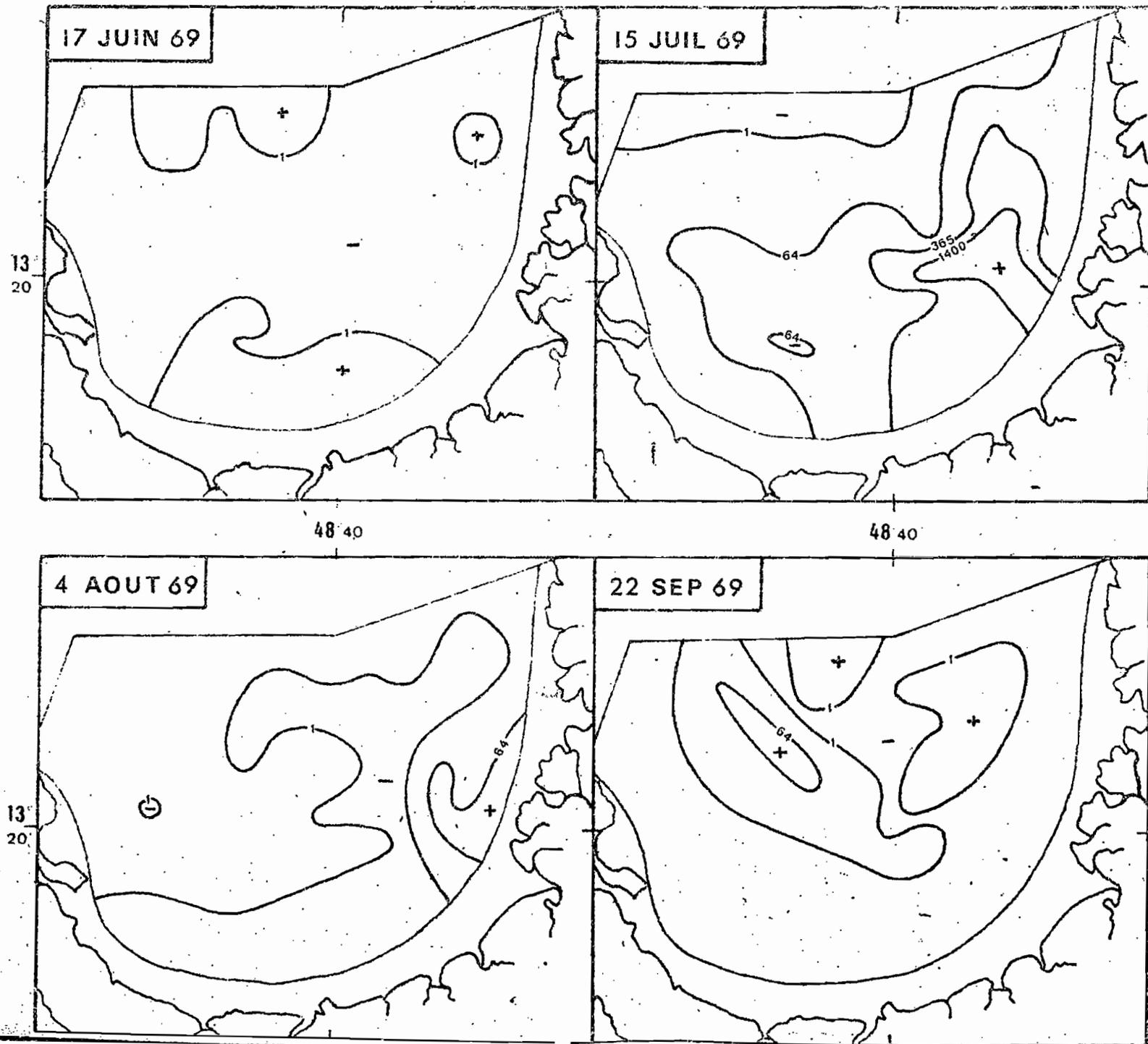
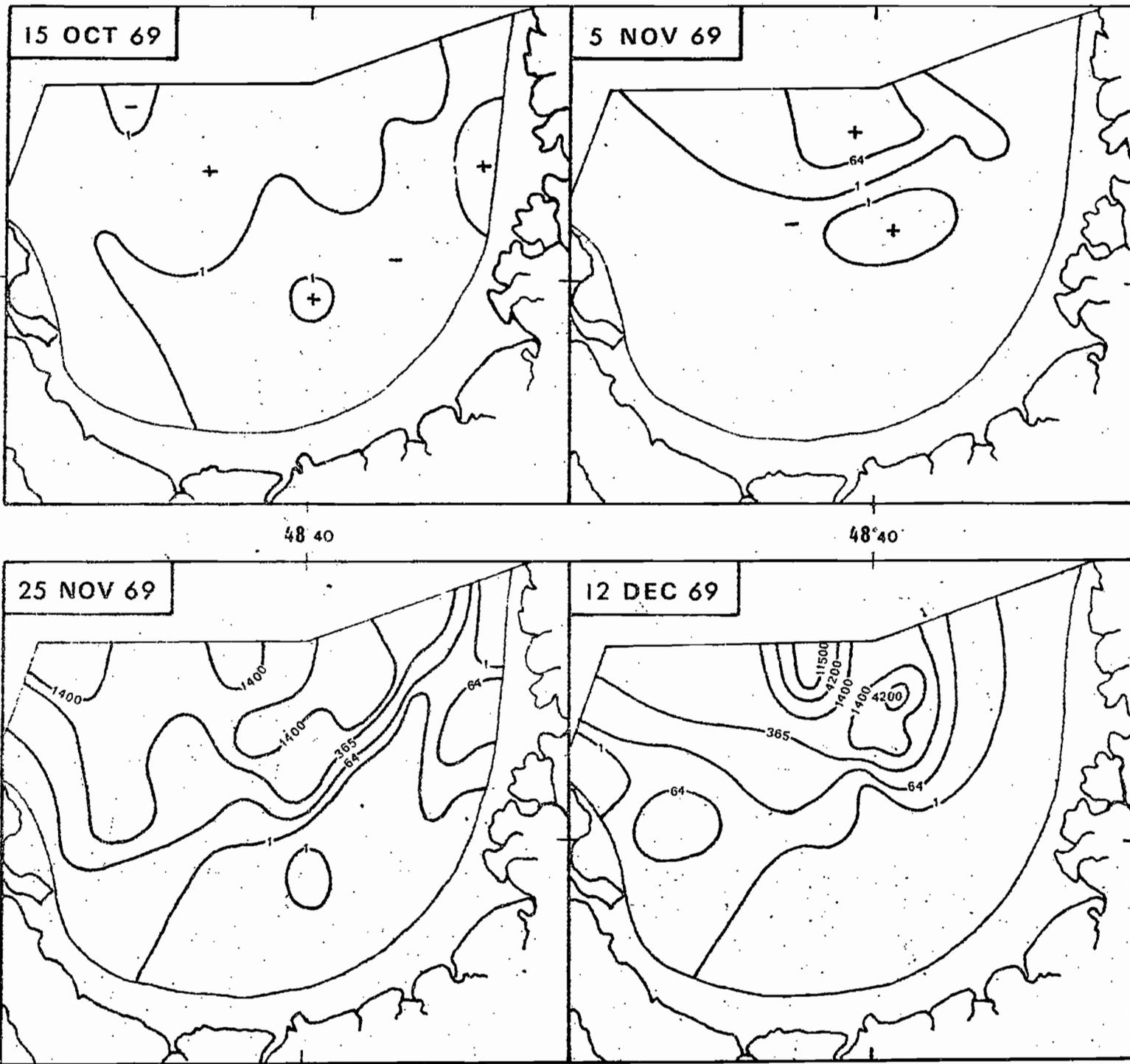


Fig. 7-19 c

DOLIOLES







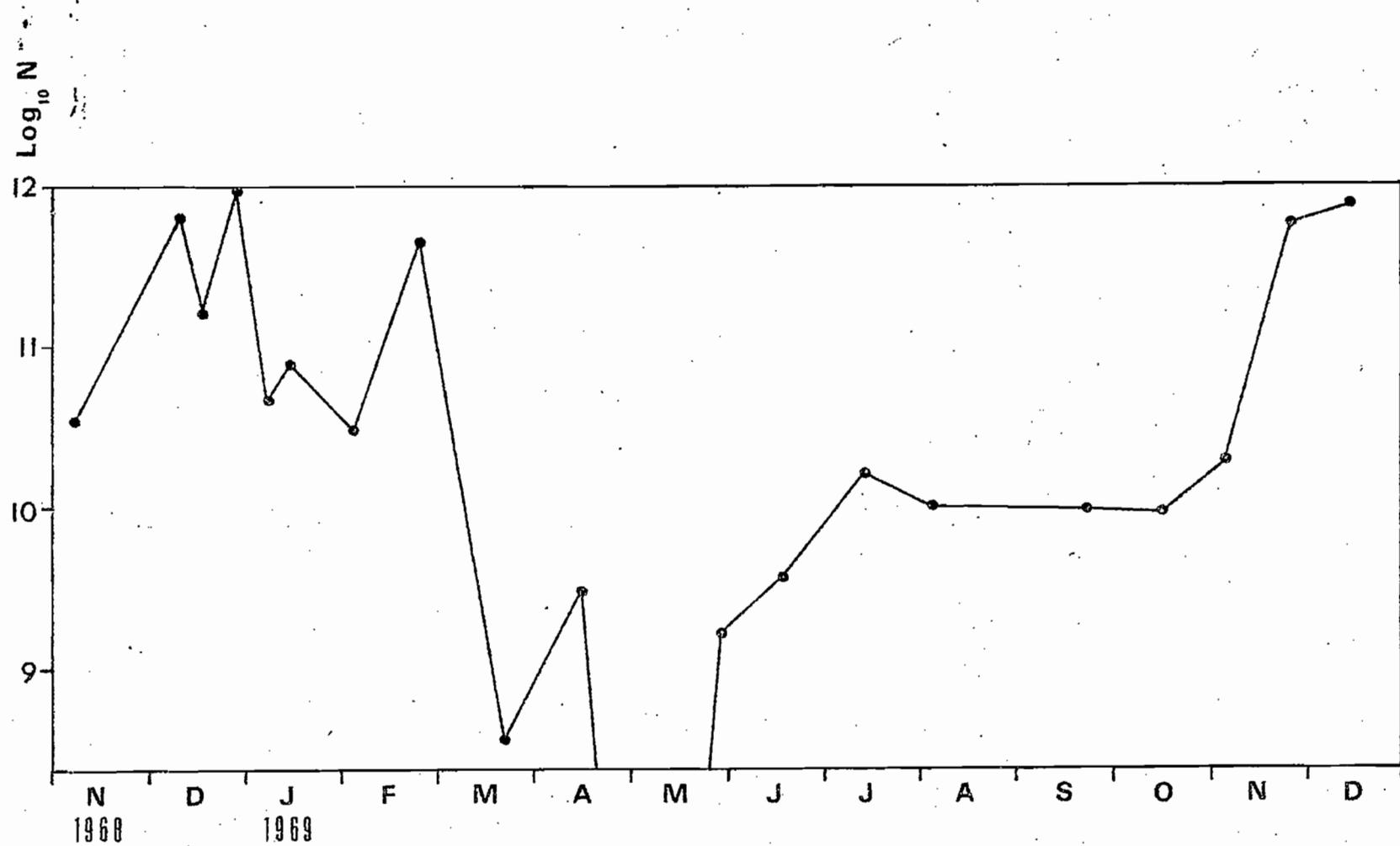


Fig. 7-19 f

DOLIOLES

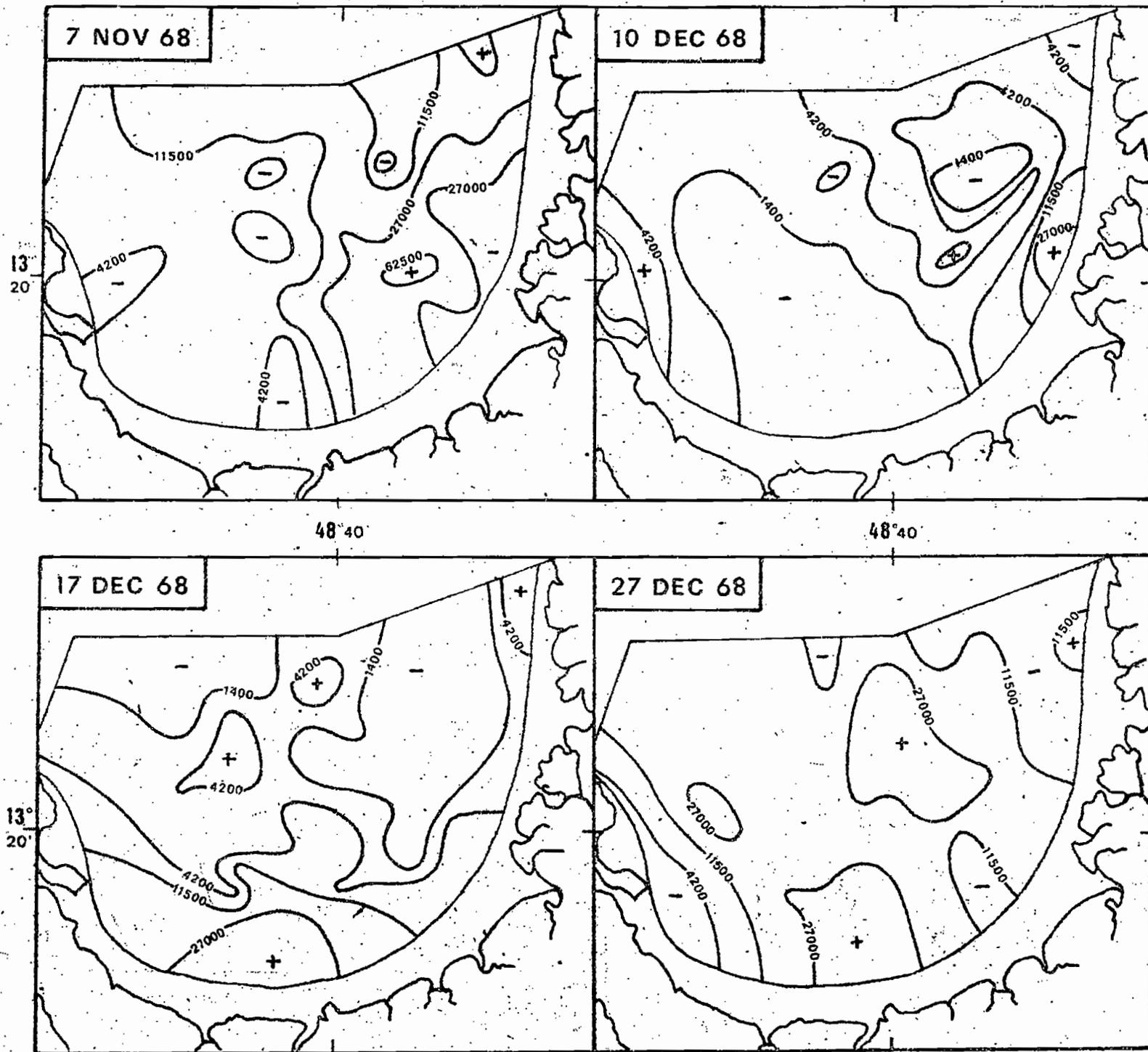
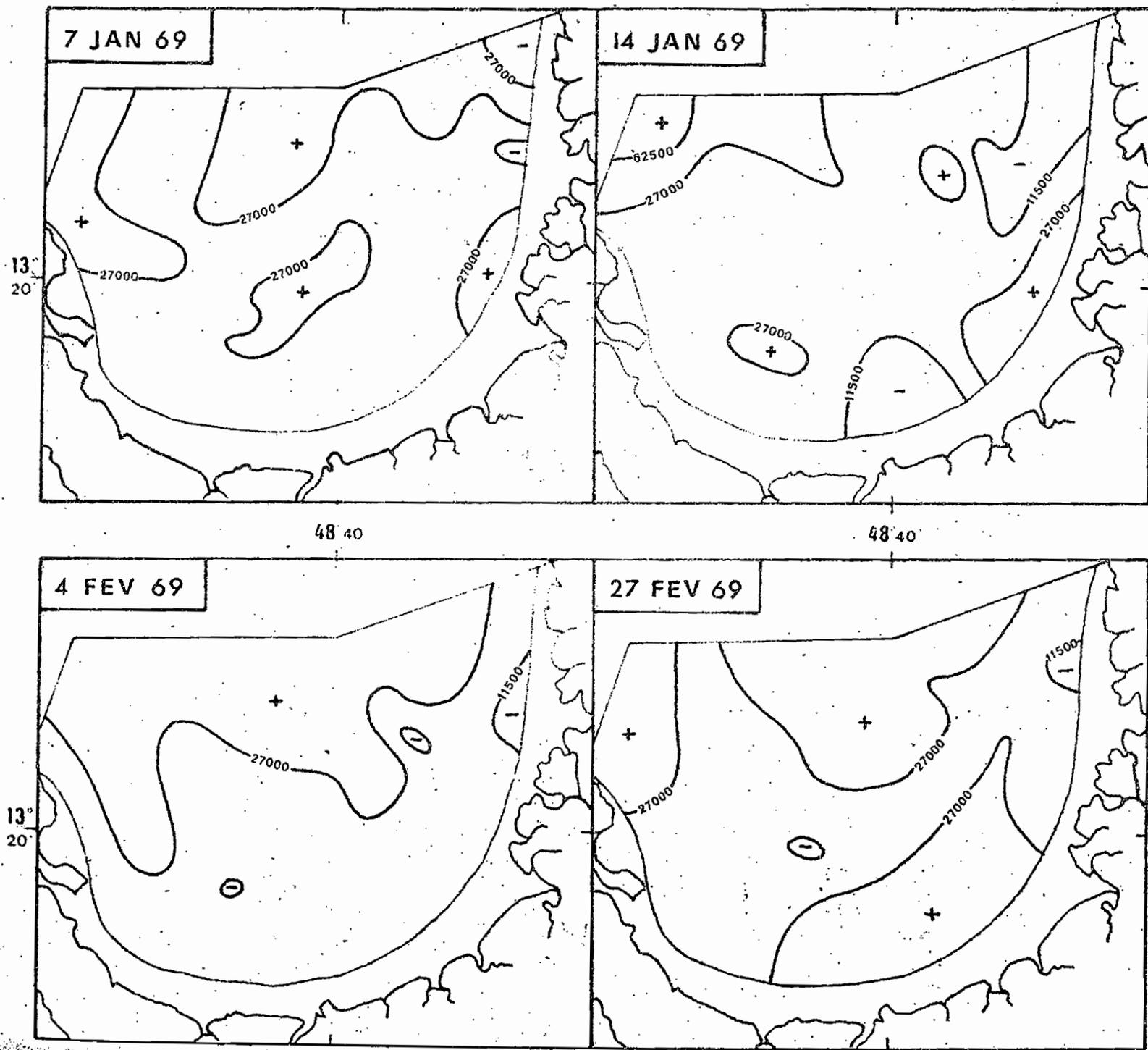


FIG. 7-20 b

COPEPODES



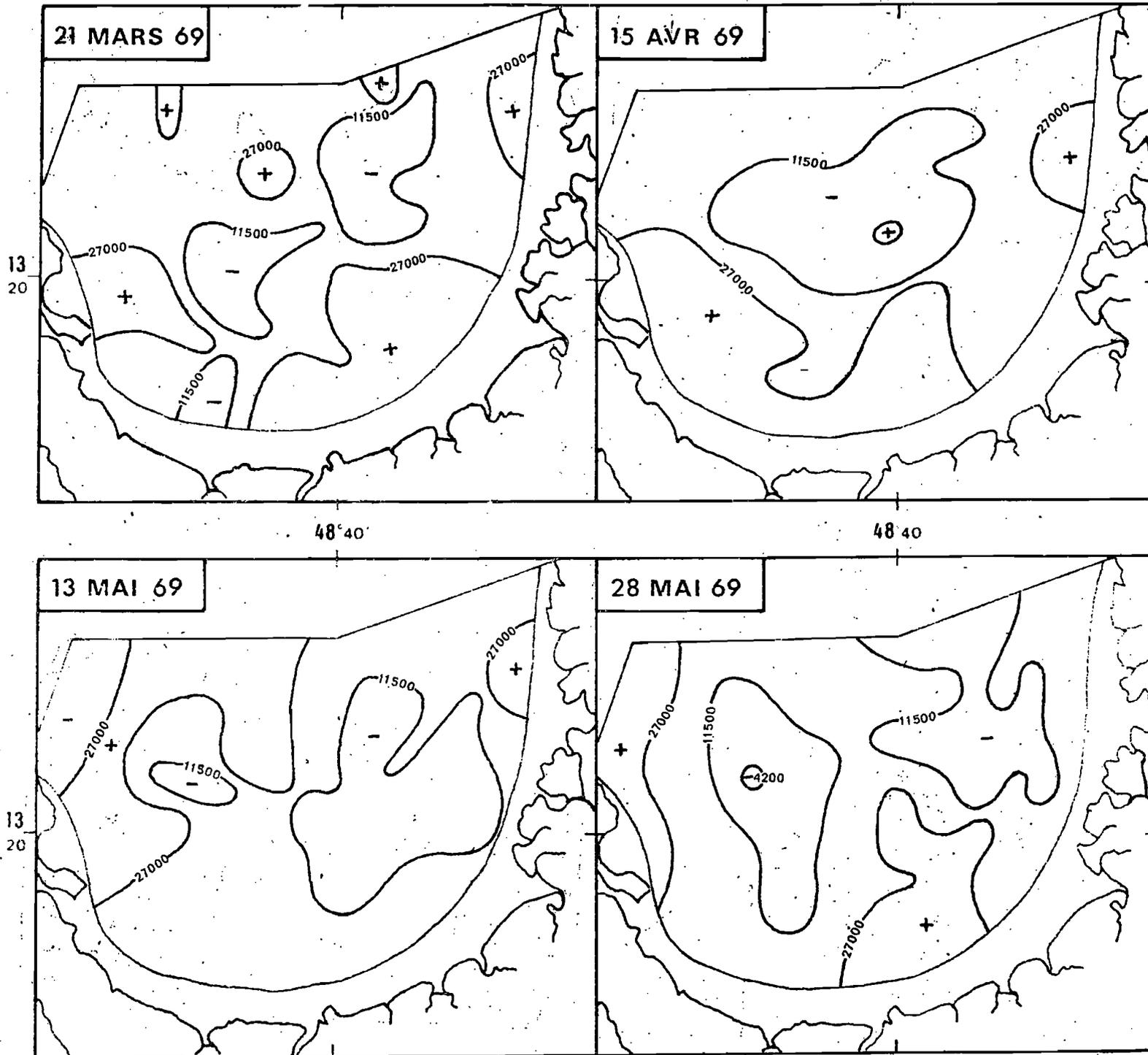
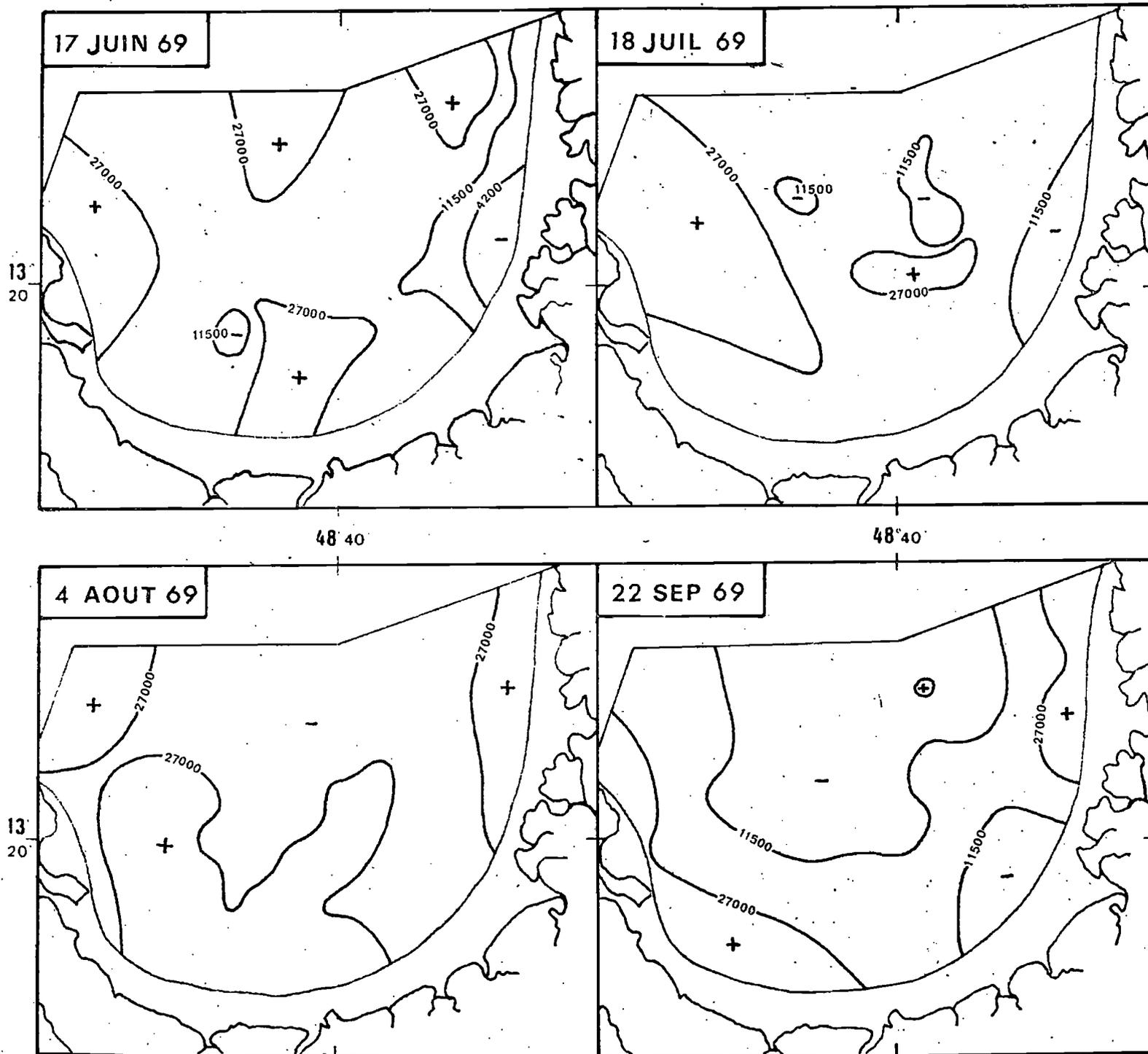
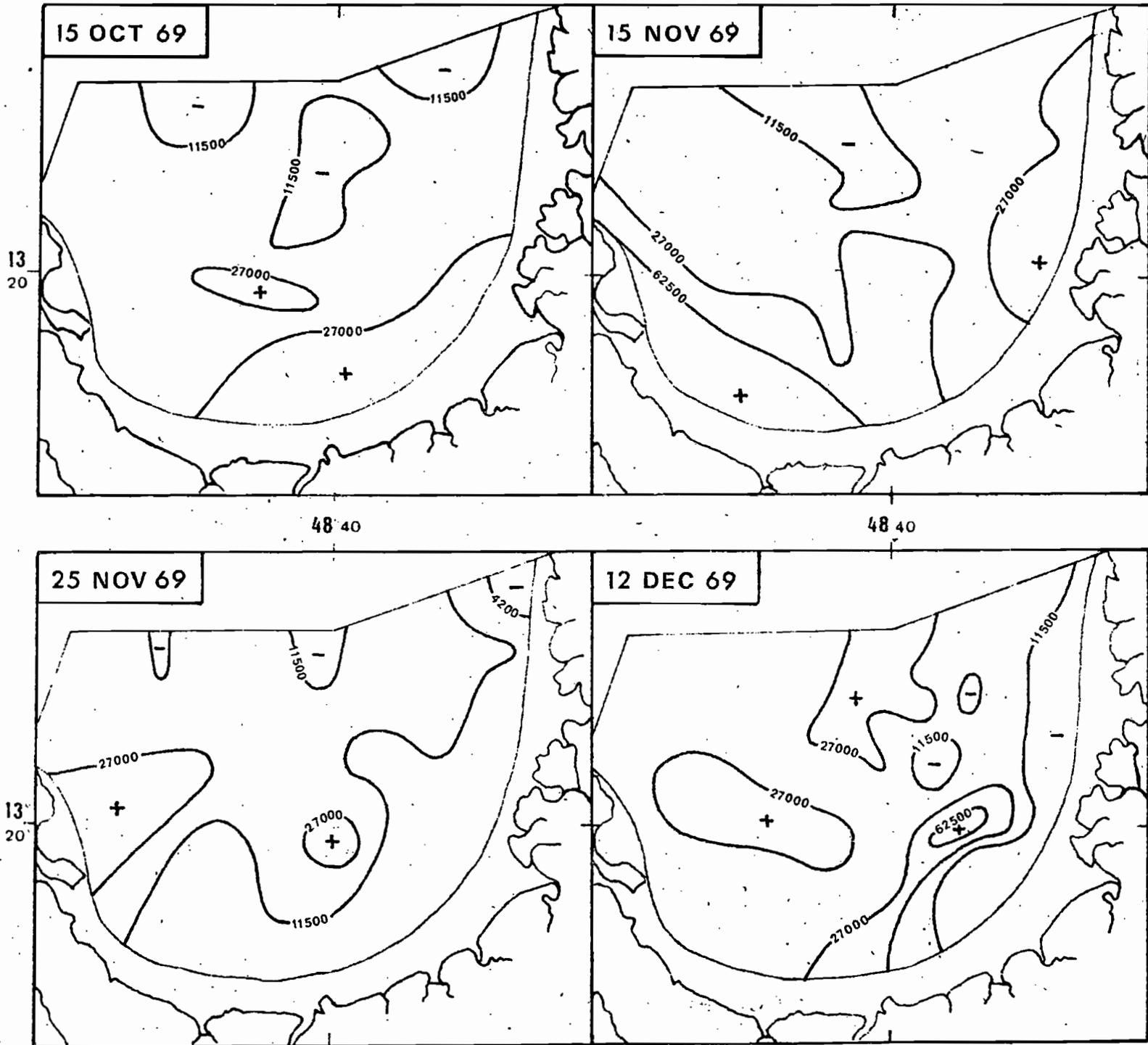


Fig. 7-20 d

COPEPODES





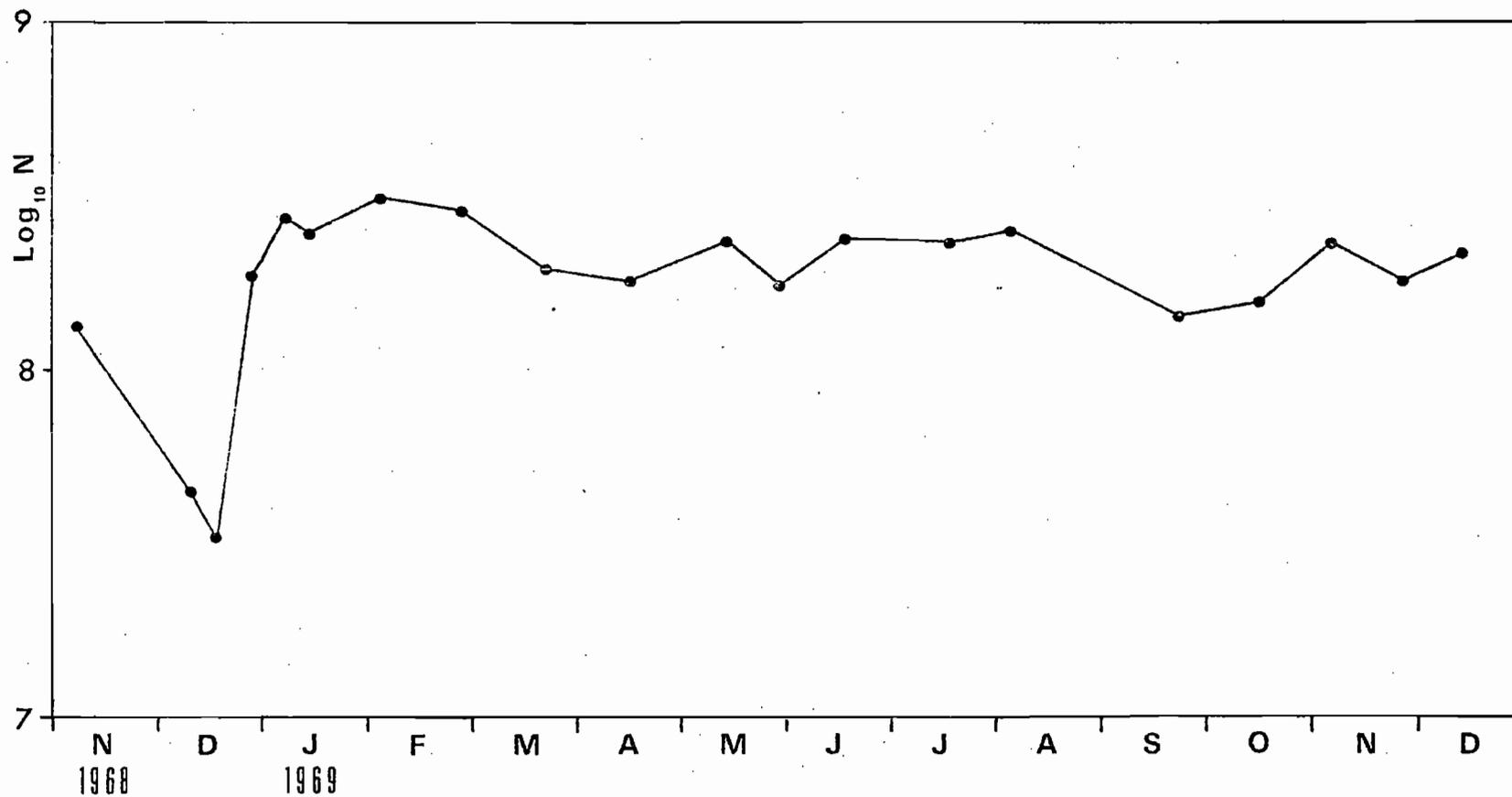


Fig 7-- 20 f

COPEPODES

Fig. 7-21a

Total organisms

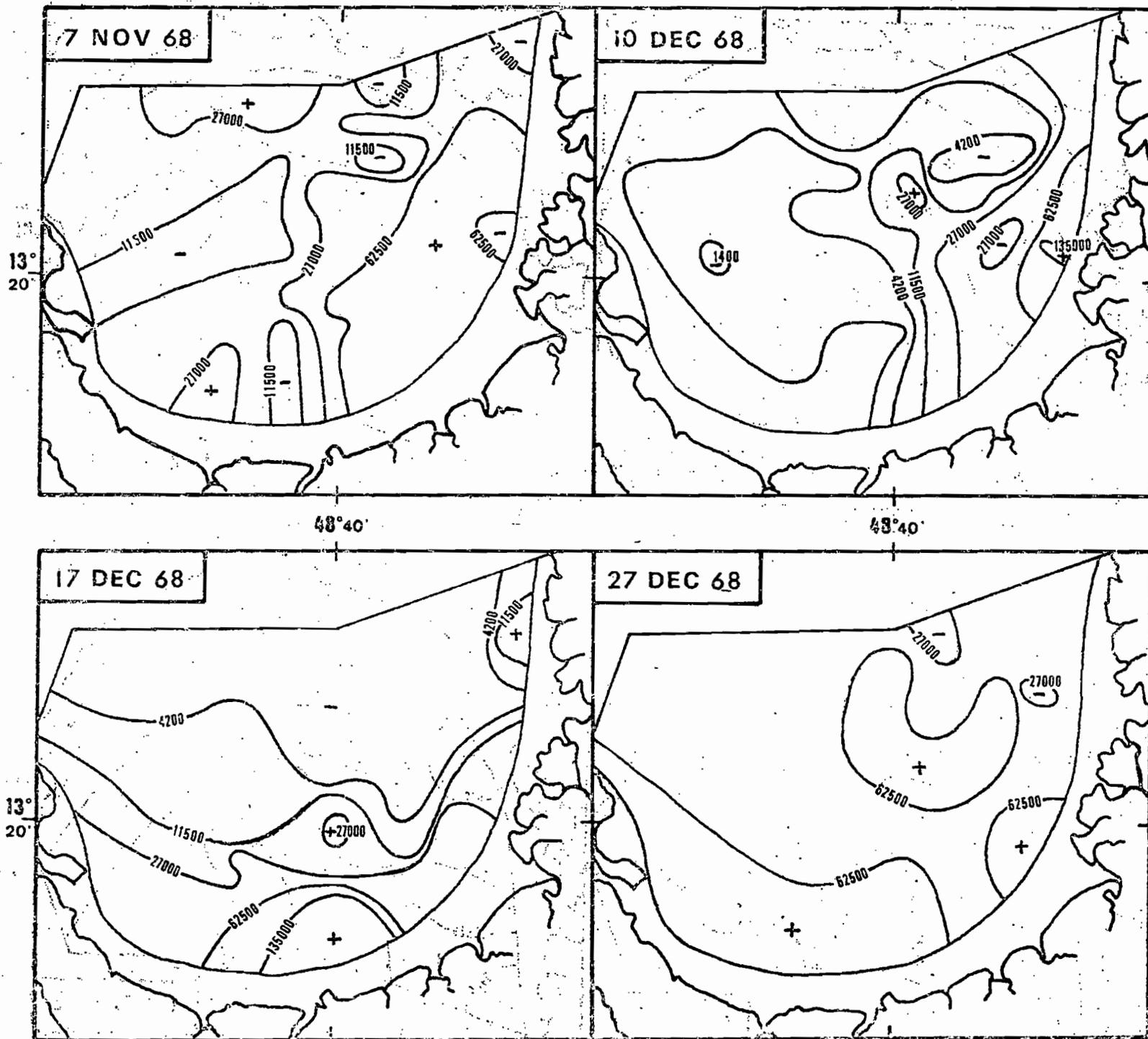
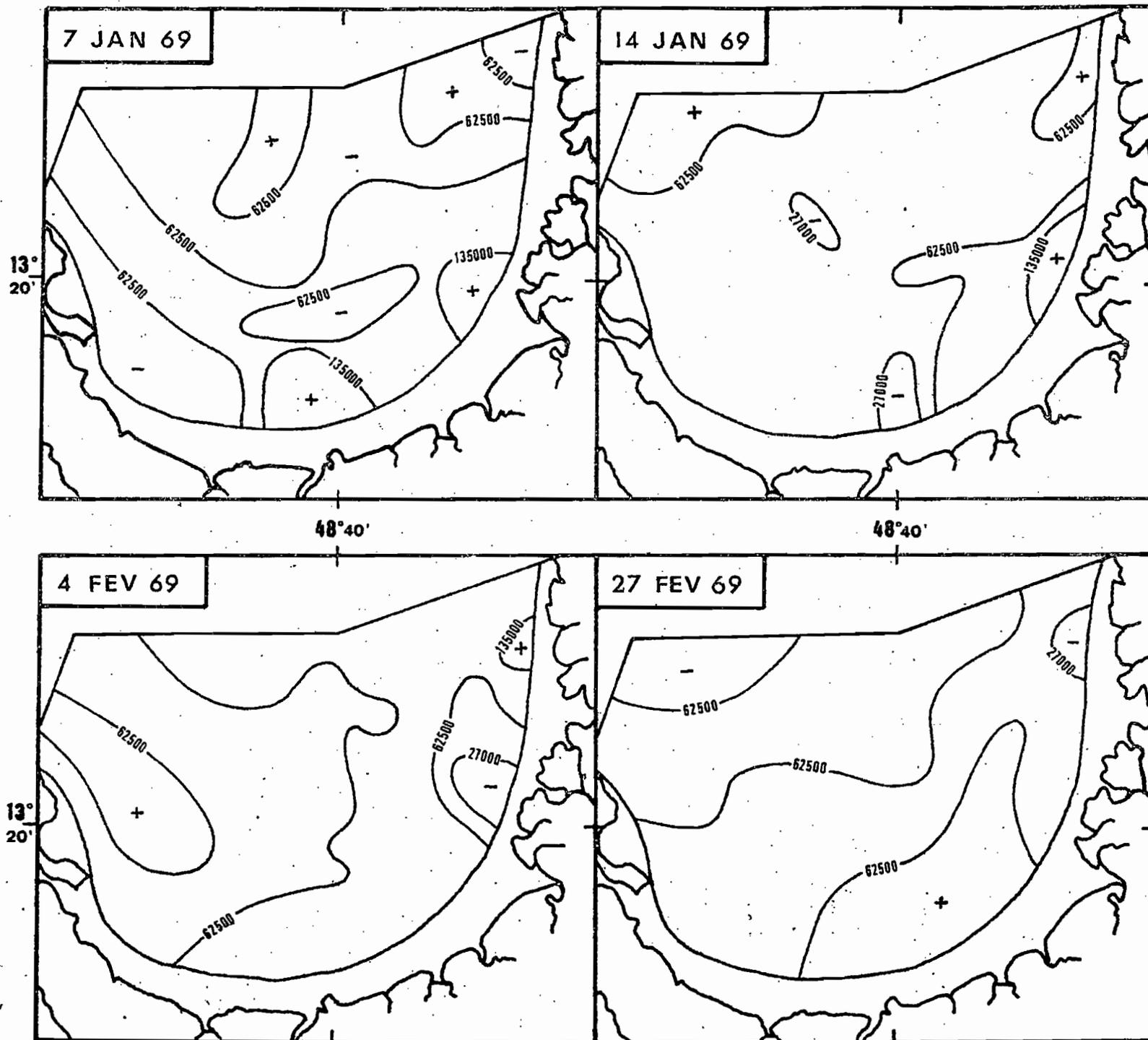


Fig. 7-21 b

Total organismes



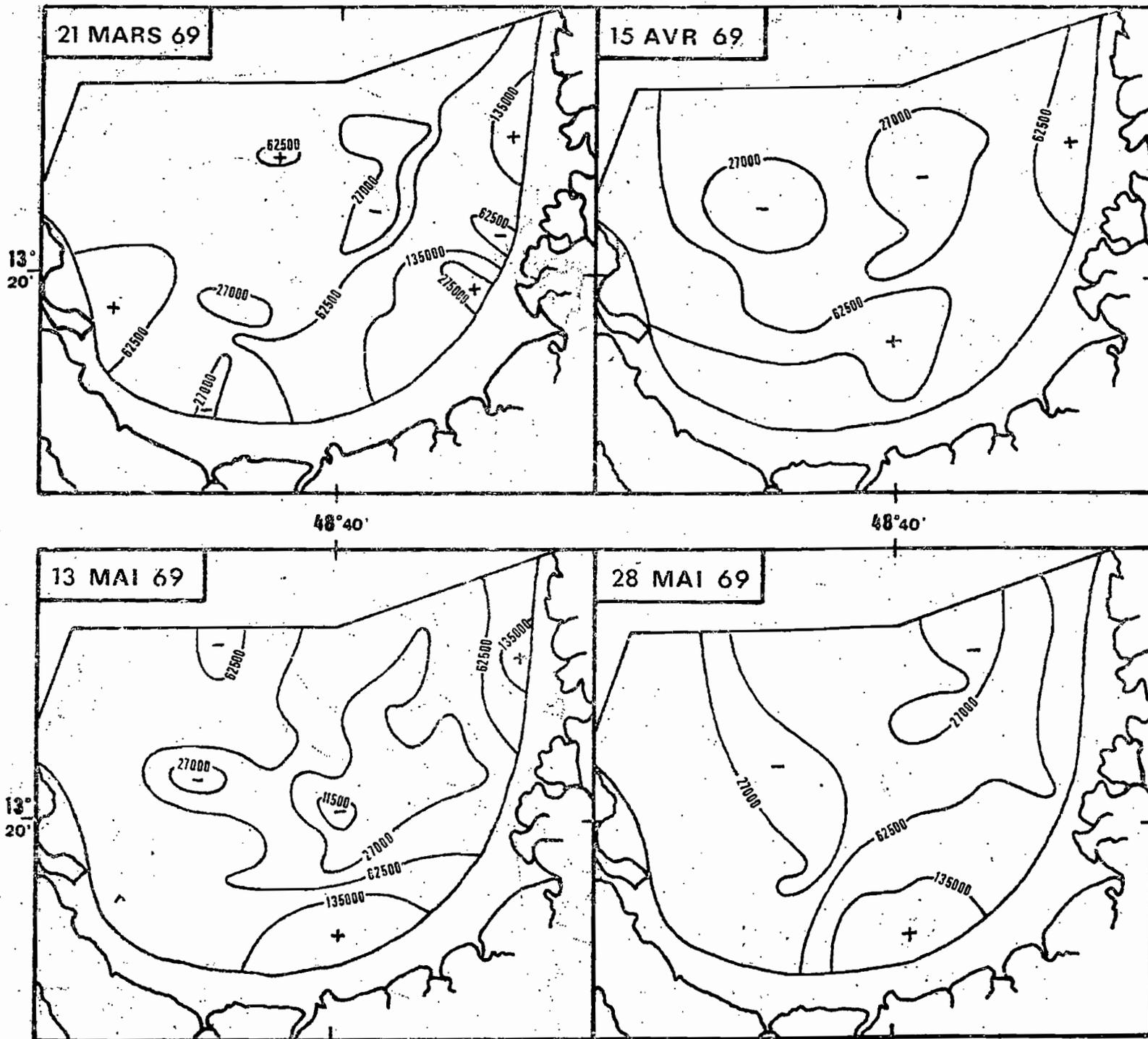
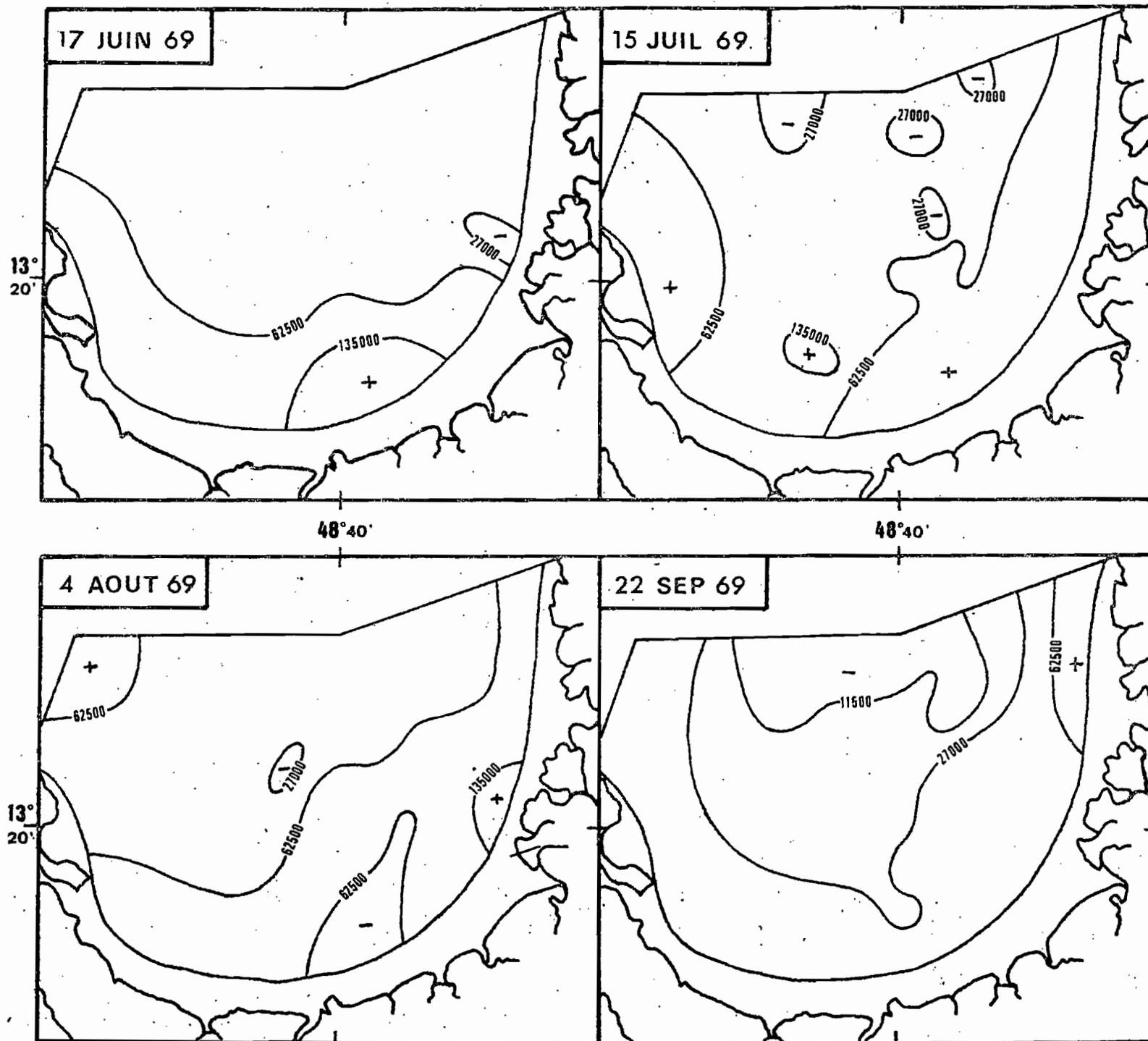
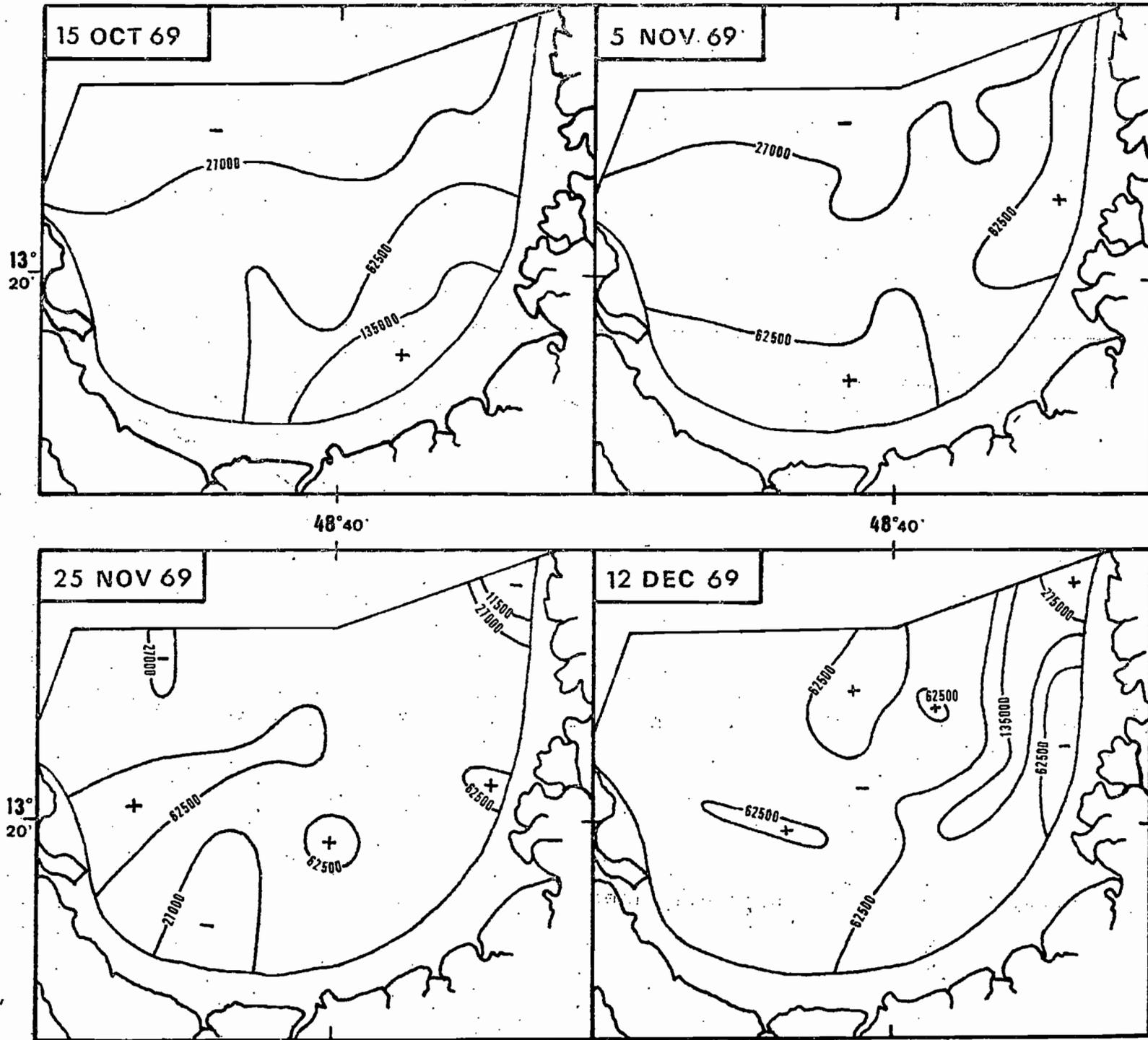


Fig. 7 - 21 d

Total organismes





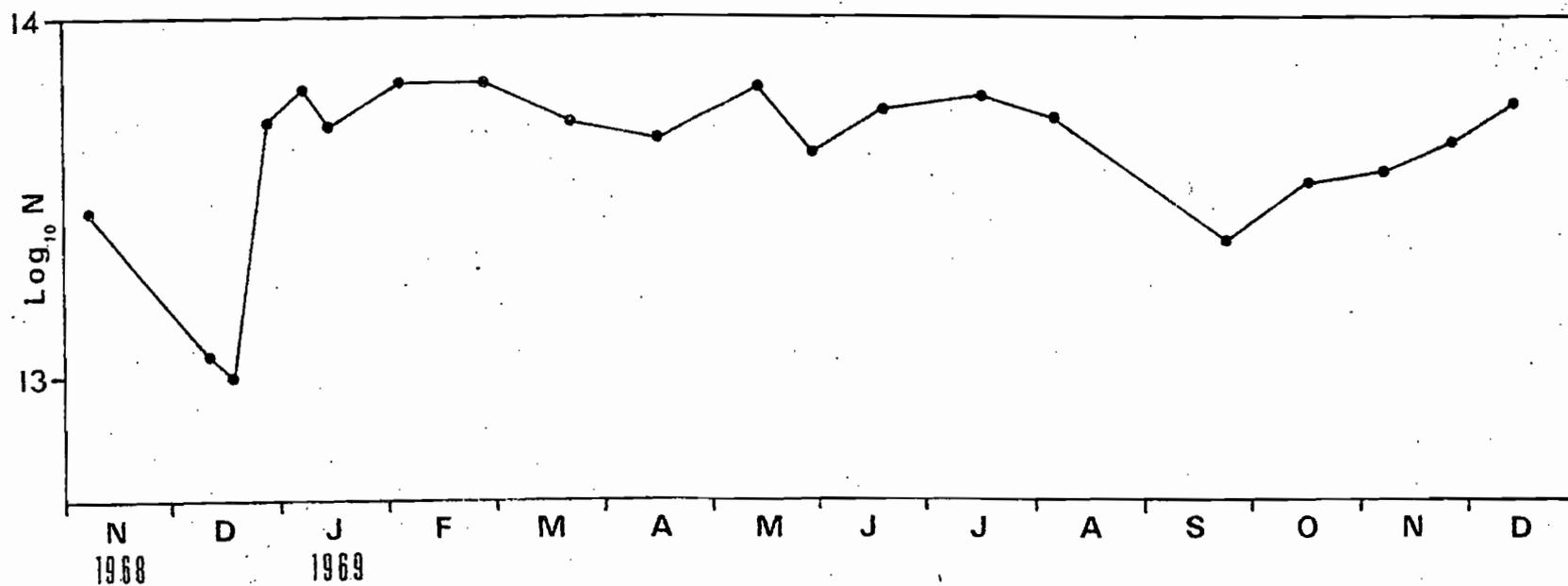


Fig. 7-21 f

Total organisms

Fig. 7 - 22a Oaufs d'Anchois

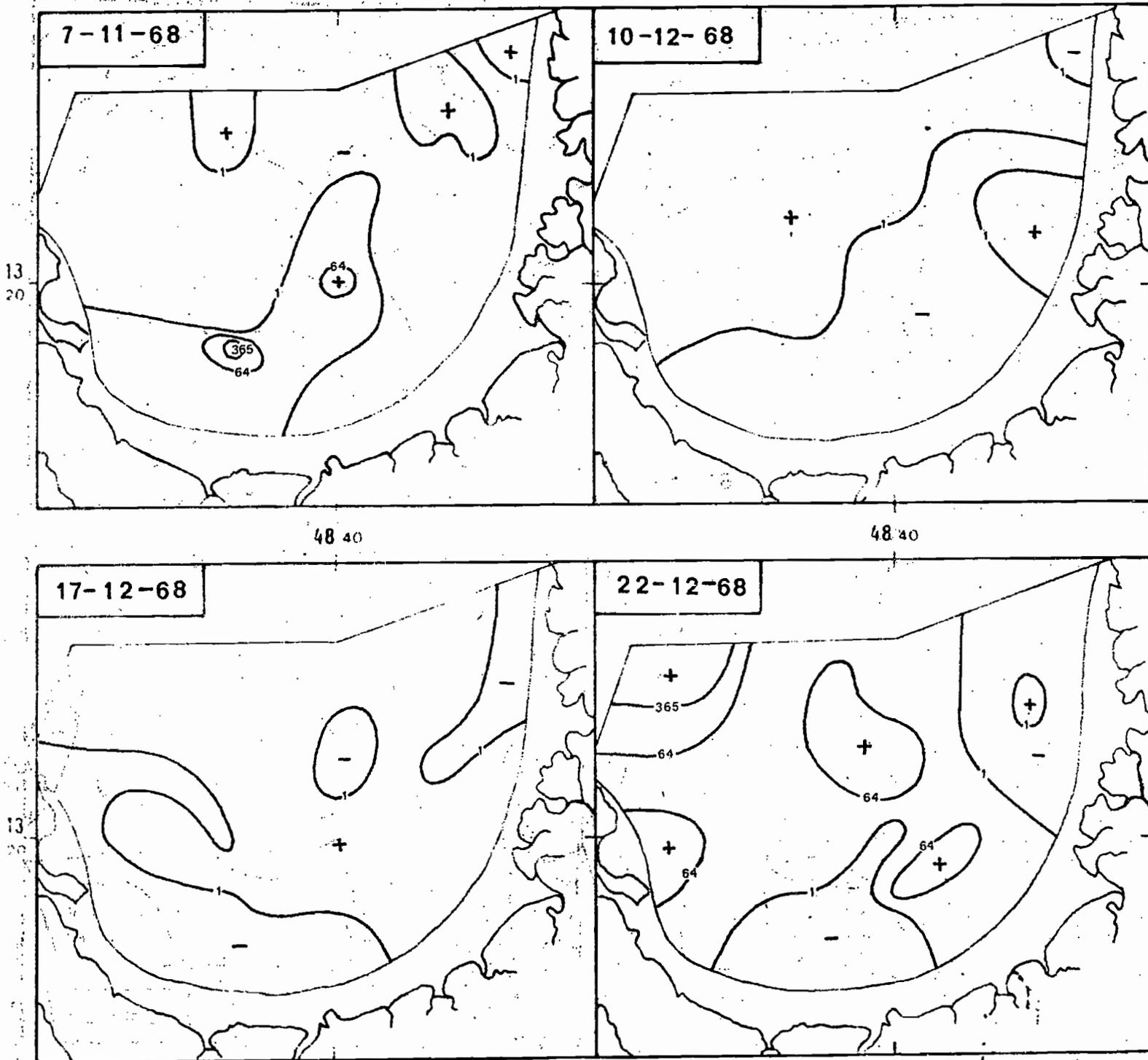


Fig 7 - 22 b Oeufs d'Anchois

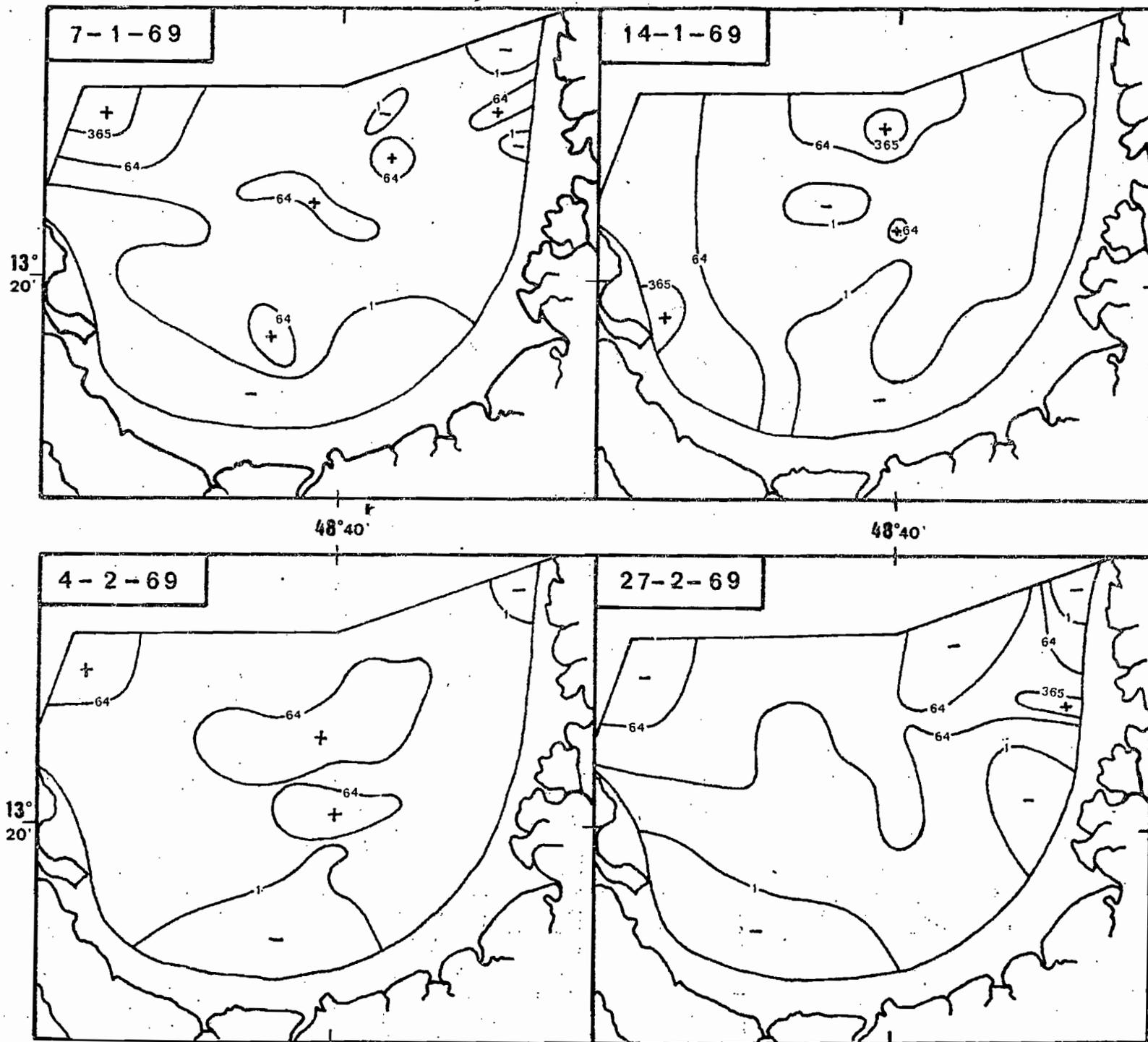


Fig 7-22c

Oeufs d'Anchois

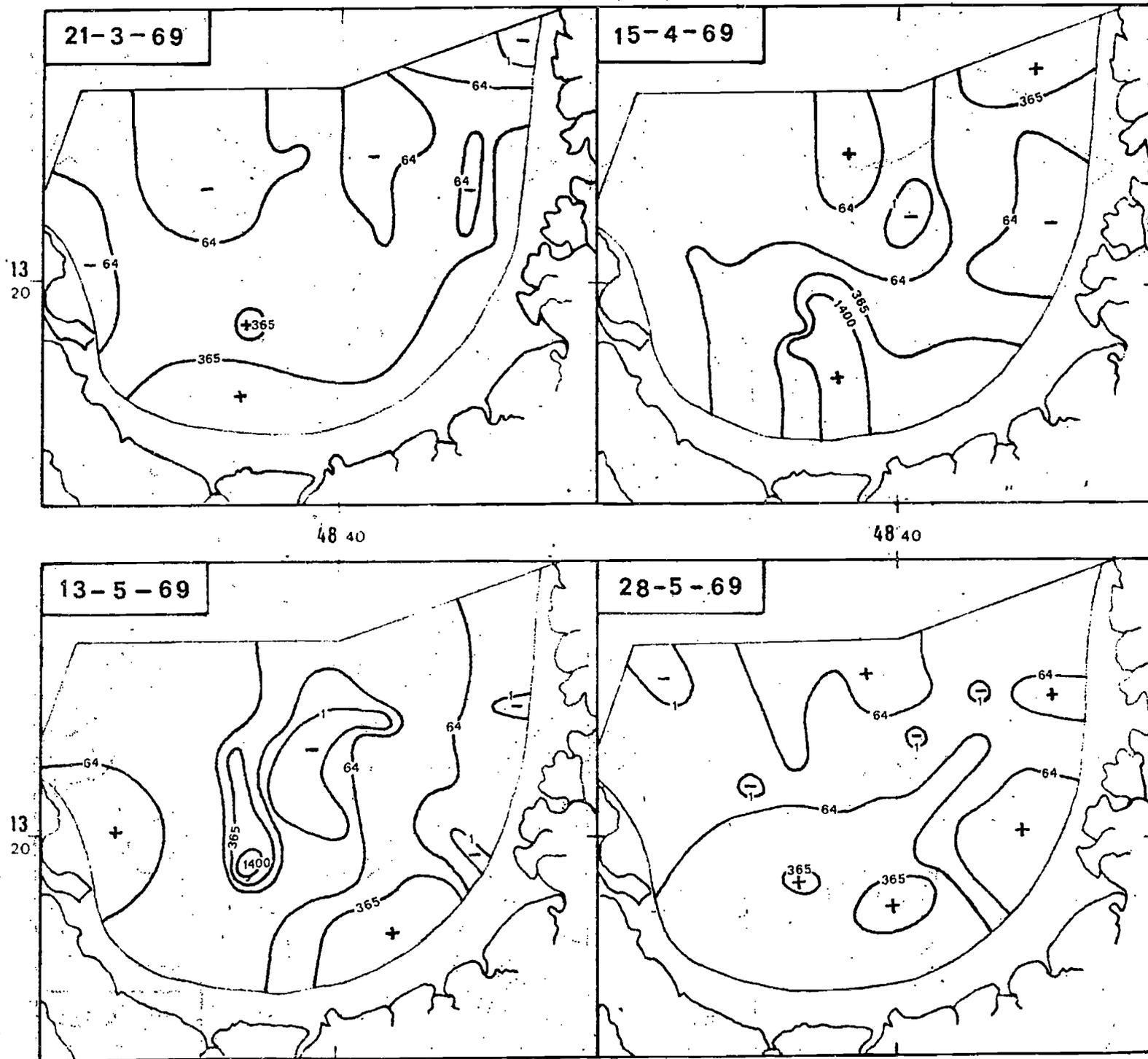
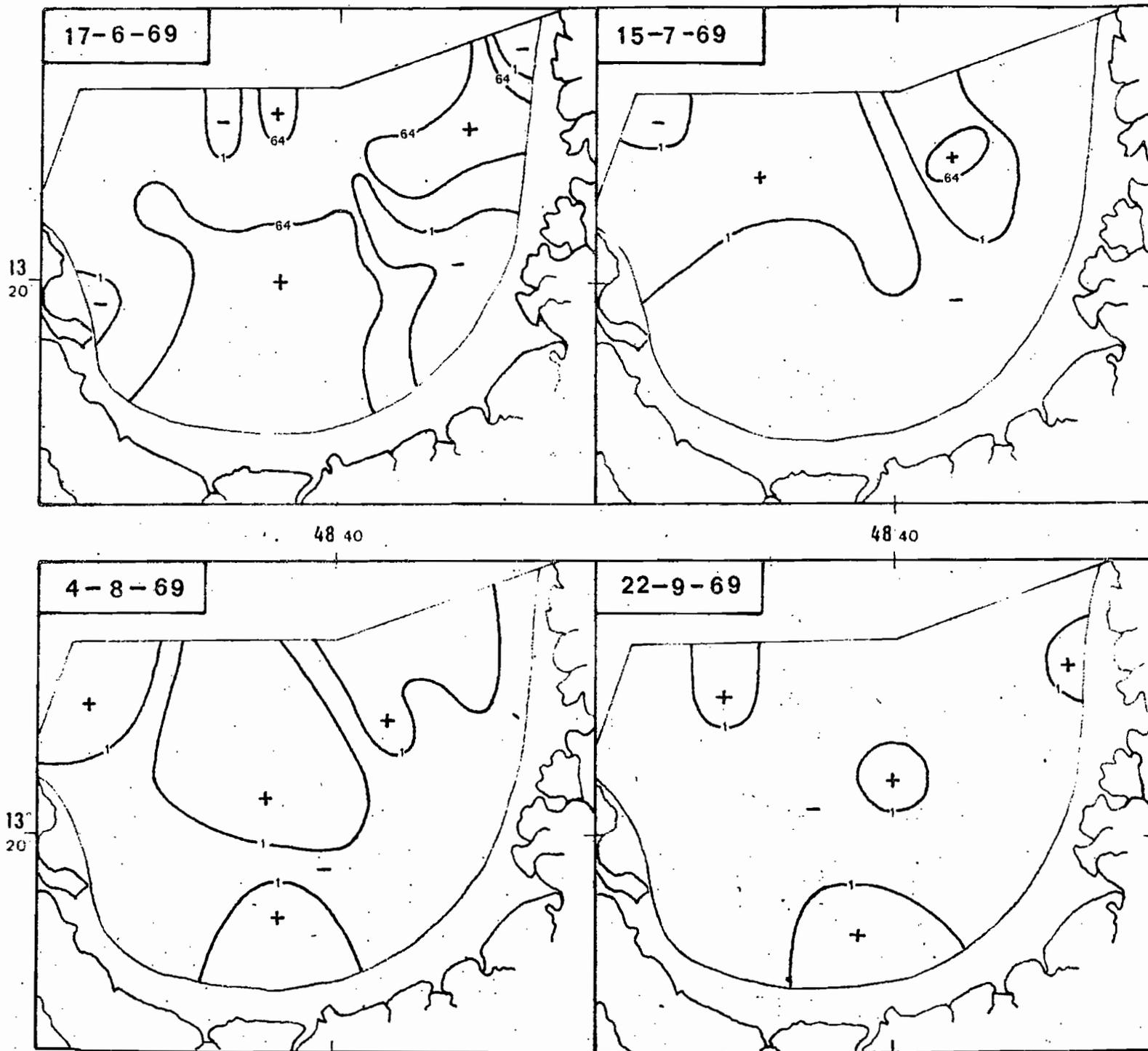
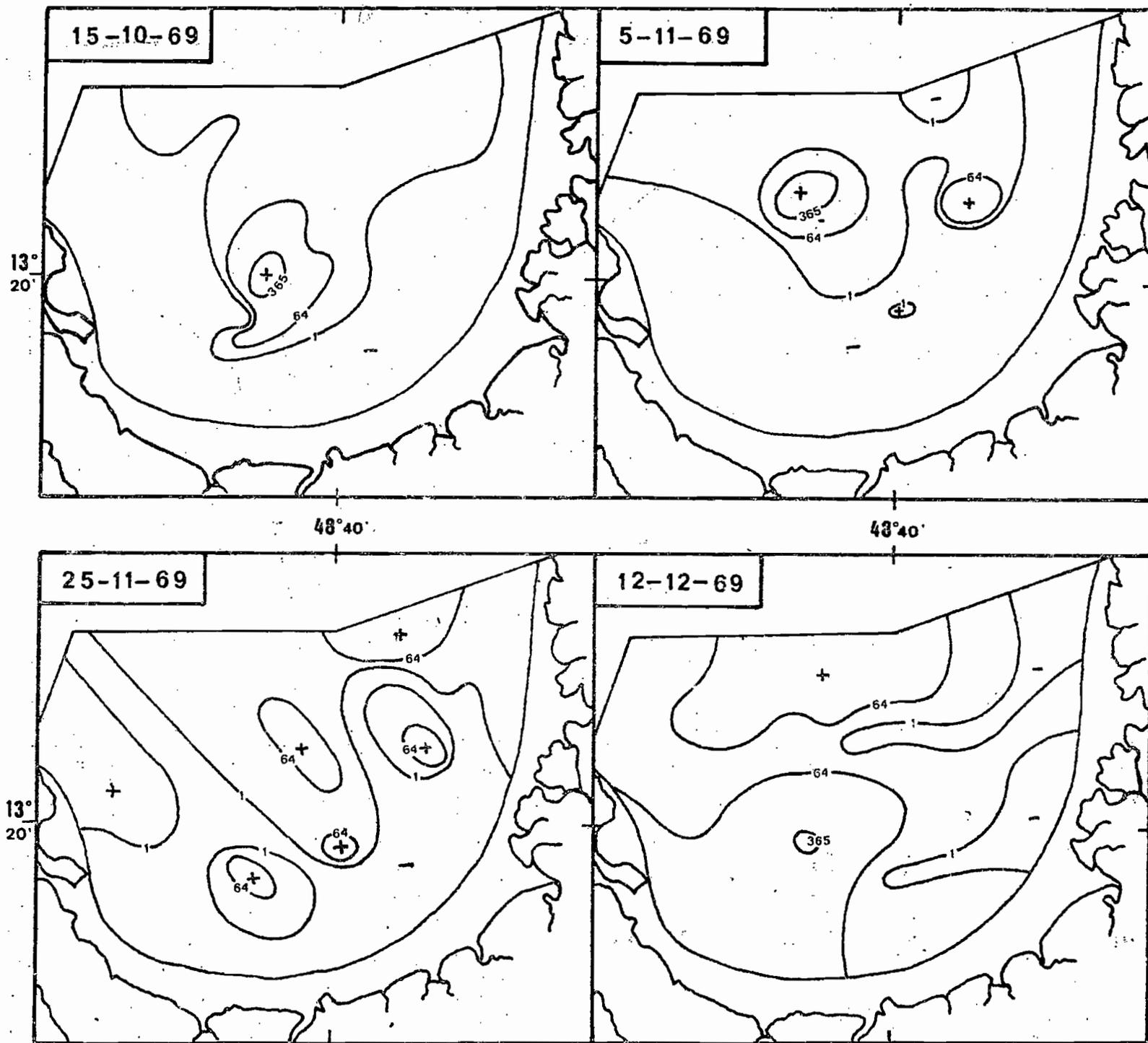


FIG 7- 22 D

Ouifs d'Anchois





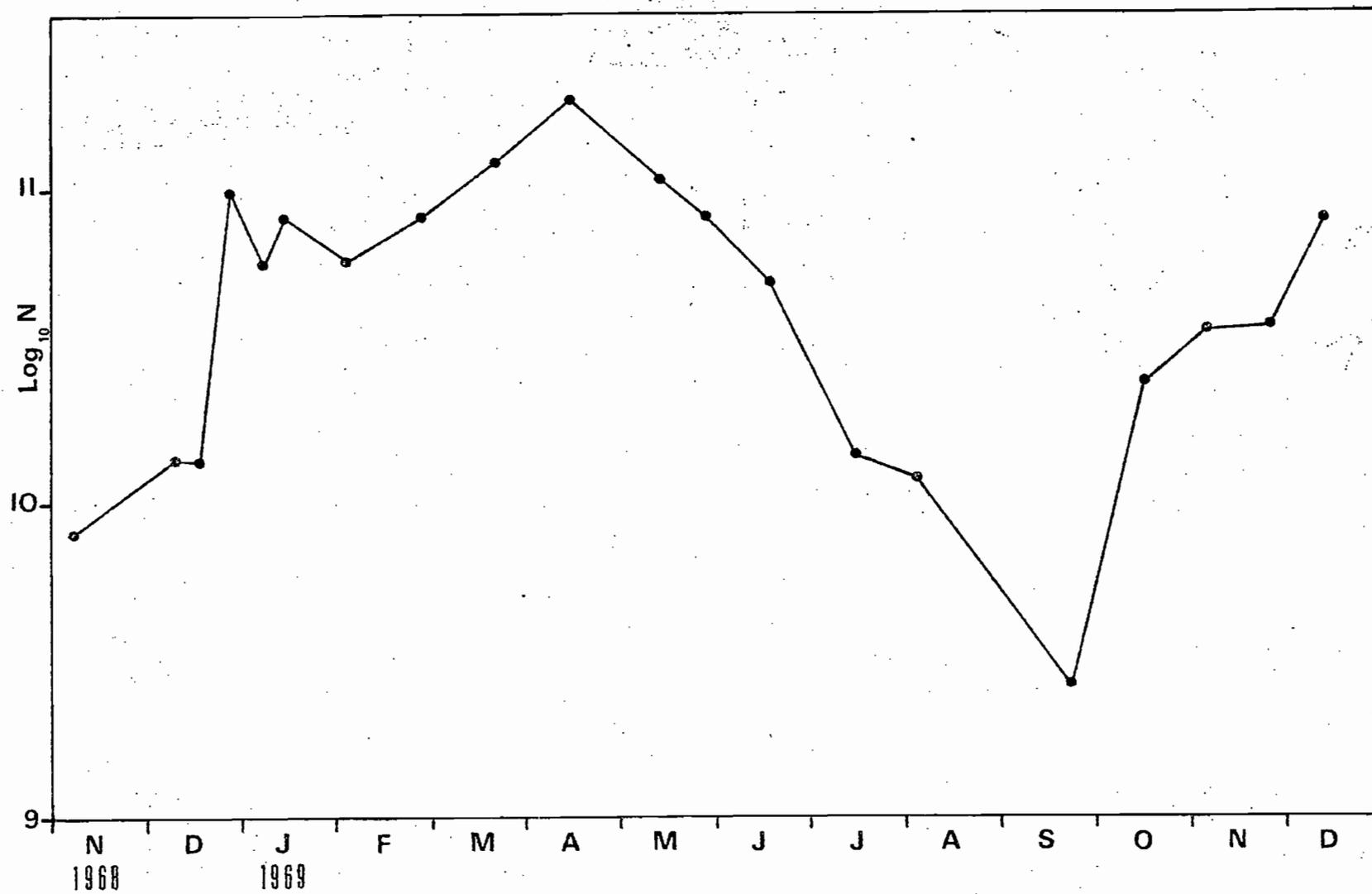


Fig. 7 - 22 f

Oeufs d' Anchois