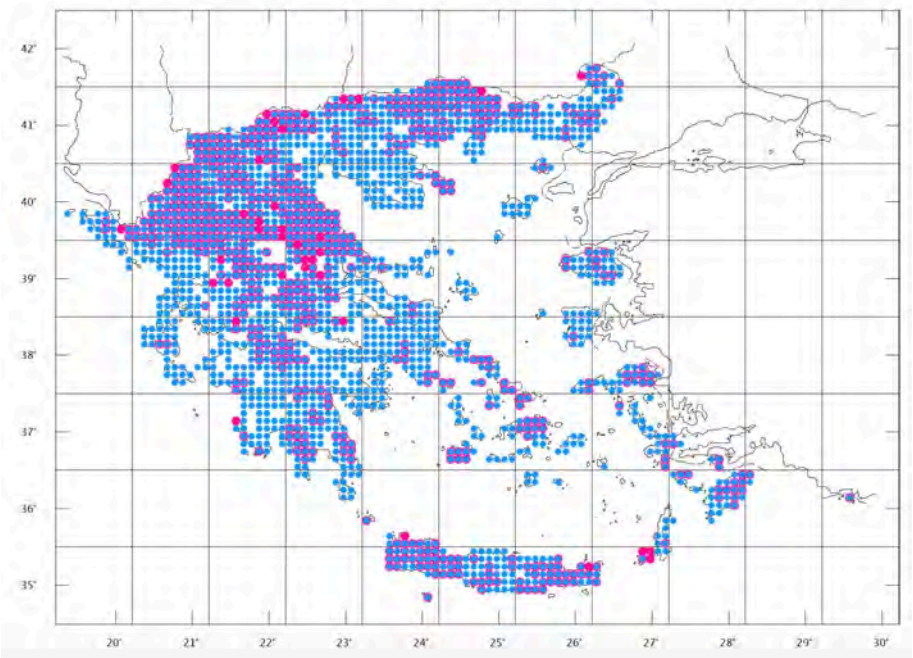
ΟΙ ΠΕΤΑΛΟΥΔΕΣ ΤΗΣ ΕΛΛΑΔΑΣ

Μία επικαιροποίηση των Χαρτών, Διαγραμμάτων και Πινάκων 3.3,
του Χάρτη 3.4, του Χάρτη 4.15 και του Χάρτη 4.16
του Λάζαρου Ν. Παμπέρη



WGS84

THE BUTTERFLIES OF GREECE

An update of distribution Maps, Plates and Diagrams 3.3,
in Map 3.4, in Chart 4.15 and in Chart 4.16
by Lazaros N. Pamperis

2026

ΠΡΟΛΟΓΟΣ

Στις επόμενες σελίδες παρουσιάζονται επικαιροποιημένοι 236 χάρτες εξάπλωσης των ειδών δηλαδή οι Χάρτες, Διαγράμματα και Πίνακες 3.3, ο Χάρτης 3.4 (στην σελίδα 40 της δεύτερης έκδοσης του βιβλίου ΟΙ ΠΕΤΑΛΟΥΔΕΣ ΤΗΣ ΕΛΛΑΔΑΣ, 2009), ο Χάρτης 4.15 (στην σελίδα 736) και ο Χάρτης 4.16 (στην σελίδα 738).
Η επικαιροποίηση αυτή αφορά συνολικά 551660 καταγραφές για τις πεταλούδες της Ελλάδας (που συγκεντρώθηκαν μέχρι 31 XII 2025) και συνολικά 1786 τοποθεσίες 6'X6′ , που έχουν εξερευνηθεί, από τις συνολικά 2059 τοποθεσίες 6'X6′ για όλη την επικράτεια, δηλαδή καλύπτοντας το 86.74% της επικράτειας (αντίστοιχα 265134 καταγραφές, 1260 τοποθεσίες 6'X6′ και το 61.19%, το 2008).
Αυτή η αύξηση των καταγραφών οφείλεται στις προσωπικές εξερευνήσεις (από το 2008-2026) αλλά κυρίως στις δημοσιευμένες εργασίες σε εντομολογικά περιοδικά και στην αποστολή (μετά την δεύτερη έκδοση του βιβλίου) σχολίων και καταγραφών για τις πεταλούδες της Ελλάδας από πολλούς, από την Ελλάδα και το εξωτερικό, των οποίων τα ονόματα αναφέρονται παρακάτω. Σε όσους προσέφεραν τα σχόλια και όσους εμπιστεύθηκαν τις καταγραφές των, αφιερώνεται το παρόν μαζί με την ευγνωμοσύνη μου.
Επισημαίνεται η ανάρτηση πολλών φωτογραφιών και καταγραφών σε ιστοτόπους (μερικές διευθύνσεις των οποίων αναφέρονται παρακάτω) και ιδιαίτερα στην ομάδα του Facebook για τις πεταλούδες της Ελλάδας και της Κύπρου (Butterflies & Moths of Greece & Cyprus με 4211 μέλη την 20 XI 2025) στο http://www.facebook.com/groups/420659294633829/ .
Τώρα στην Ελλάδα υπάρχουν 236 είδη πεταλούδων σύμφωνα με το Wiemers et al (2018) στο https://doi.org/10.3897/zookeys.811.28712 και το Zhang et al (2020) στο https://www.ncbi.nlm.nih.gov/pmc/articles/PMC80l8707/
Οι αναφορές για την παρουσία των ειδών Thaleropis ionia (Καστελόριζο), Deudorix livia (Αττική) και Hipparchia semele (Πελοπόννησος και Ιωάννινα) δεν έχουν επιβεβαιωθεί έως σήμερα.
Σε ορισμένες από τις σελίδες, που ακολουθούν, παρουσιάζονται κατά περίπτωση εάν απαιτείται, και πρόσθετα διευκρινιστικά σχόλια και σύνδεσμοι (Links) για ιστοσελίδες με φωτογραφίες και λεπτομέρειες των φτερών, που προτείνονται ως χρήσιμες για αναγνώριση των ειδών με τις φωτογραφίες.
Για επιπλέον 165 νέες φωτογραφίες και περισσότερες λεπτομέρειες στο URL: https://www.pamperis.gr στις 6 ελεύθερες εφαρμογές στο https://www.pamperis .gr/btf_site/ και στο https://www.pamperis.gr/recognition/index.html για την αυτόματη αναγνώριση των πεταλούδων.

Λάρισα 1 Ιανουαρίου 2026
Λάζαρος Ν. Παμπέρης

PREFACE

An update of distribution Maρs, Plates and Diagrams 3.3, in Maρ 3.4 are presented (in page 40 of the second edition of the book THE BUTTERFLIES OF GREECE, 2009), in Chart 4.15 (in page 736) and in Chart 4.16 (in page 738).
This update is made after in total 551660 records for the butterflies of Greece (till 31 XII 2025) for a total number of 1786 investigated localities 6'X6′ ; this is the 86.74% of territory of Greece, a part of all 2059 localities 6'X6′ all over Greece (compared to 265134 records, 1260 localities 6'X6′ and 61.19% in 2008).
This increase in records is made after personal investigations (from 2008-2026) and mainly after the many published papers in entomological magazines and the generous offer from many recorders (listed below) from Greece and abroad, who send comments and records for the butterflies of Greece. This update is dedicated to all those who offer their comments and send and trust to me their records; to all I express my gratitude.
A list with a number of sites (from which records for the butterflies of Greece were obtained) is presented; the existence of a group for the butterflies of Greece and Cyprus is also noted (with 4211 members at 20 XI 2025) in http://www.facebook.com/groups/420659294633829/
Now in Greece there are 236 species; see Wiemers et al. (2018) https://doi.org/ 10.3897/zookeys.811.28712 and Zhang et al in https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8018707/
Reports on the presence of the species Thaleropis ionia (Kastellorizo), Deudorix livia (Attiki) and Hipparchia semele (Peloponnisos and Ioannina) has not been confirmed to date.
Additional comments are noted in some of the pages; also there are Links to web pages with photos and details of the wings, suggested for a correct identification from photos.
For 165 new photographs, 6 free applications and more details see in URL: https://www.pamperis.gr and in https://www.pamperis.gr/btf_site/ and in https://www.pamperis.gr/recognition/index.html for automatic recognition of butterflies.

Larissa 1 January 2026
Lazaros N. Pamperis

SELECTED SITES FROM WICH DATA FOR THE BUTTERFLIES OF GREECE WERE OBTAINED
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FLICKR http://www.flickr.com
Butterflies & Moths of Palaearctic Regions http://www.euroleps.ch
EUROPEAN INTERESTS GROUP https://butterfly-conservation.org/in-your-area/european-interests-group
FACEBOOK Butterflies & Moths of Greece & Cyprus http://www.facebook.com/groups/420659294633829/
GREENWINGS http://greenwings.co/
HOME OF EUROBUTTERFLIES http://www.eurobutterflies.com
HONEYGUIDE TOURS http://www.honeyguide.co.uk/
iNaturalist https://www.inaturalist.org
LEPIFORUM http://www.lepiforum.de/
NATURALIST http://www.naturalist.co.**uk**
NATURE LINK www.geocities.com/pelionnature/
NATURETREK https://www.naturetrek.co.uk/
OBSERVATION https://observation.org/
PROJECT NOAH https://www.projectnoah.org/
pyrgus.de http://www.pyrgus.de/index_en.php
SPARTIA WILDLIFE http://www.spatiawildlife.com/
ΔΙΚΤΥΟ ΕΡΕΥΝΗΤΩΝ ΠΕΡΙΒΑΛΛΟΝΤΟΣ http://62.38.203.210/natura/
ΘΡΑΚΙΚΟΣ ΗΛΕΚΤΡΟΝΙΚΟΣ ΘΗΣΑΥΡΟΣ http://www.xanthi.ilsp.gr/
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BUTTERFLIES of Crete https://butterfliesofcrete.com

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ΣΥΚΑΣ ΒΑΣΙΛΗΣ
ΣΩΤΗΡΙΟΥ ΦΩΤΕΙΝΗ
ΤΑΜΒΑΚΑΣ ΚΩΣΤΑΣ
ΤΑΣΣΙΟΣ ΣΩΤΗΡΗΣ
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ΤΖΑΦΕΤΑΣ ΧΡΗΣΤΟΣ
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ΤΖΗΜΟΥΛΗΣ ΟΔΥΣΣΕΑΣ
ΤΖΩΡΤΖΑΚΑΚΗ ΟΛΓΑ
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ΦΑΤΣΕΑ ΣΤΑΥΡΟΥΛΑ
ΦΙΛΗΣ ΝΙΚΟΣ
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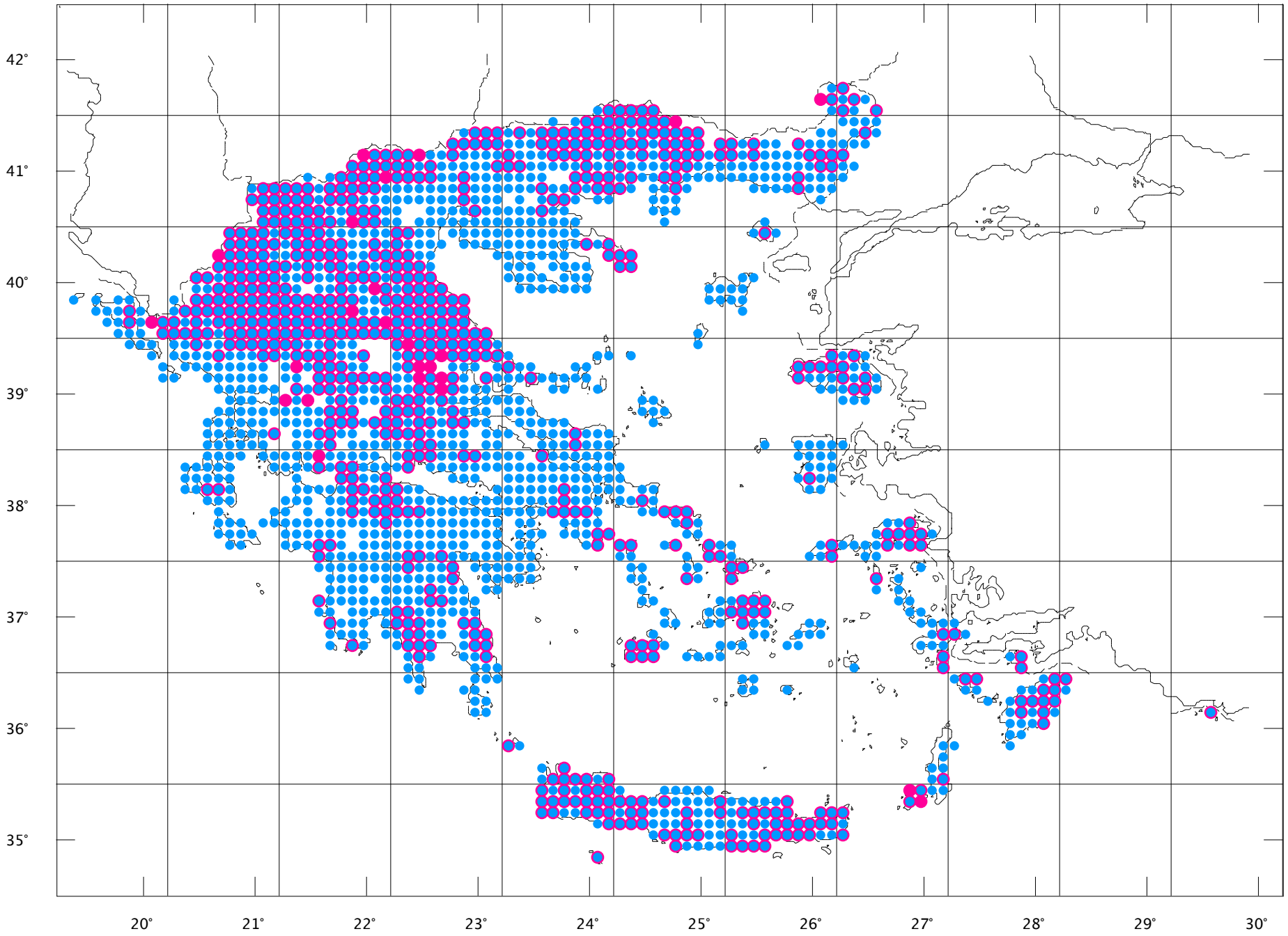
ΧΑΤΖΗΔΑΚΗΣ ΠΑΝΑΓΙΩΤΗΣ Ι
ΧΡΙΣΤΟΠΟΥΛΟΥ ΜΑΙΡΗ
ΧΡΙΣΤΟΦΙΔΗΣ ΓΙΑΝΝΗΣ
ΨΑΛΛΙΔΑΣ ΒΑΣΙΛΗΣ

ALBRECHT MARTIN
BAUDRAZ MICHEL
BEAUCKOMP PETER C
BERRY MATT
BESHKOV STOYAN
BONETTI ANDREA
BOWERS JOHN K
BOZANO GIAN
BROWN JOHN
BURRETT PETER
BYGATE PETER
CARPENTER ALAN
CHAULIAC ANDRE
COBB CHRIS
COUPE J.
COURCY WILLIAMS MICHAEL
COWAN PAUL
CREPIN M.P
CUVELIER SYLVAIN
DAHL MAGNUS
DARCEMONT CHRISTIAN
DIJON CATHERINE
DINCĂ VLAD
DOWDING JULIAN
DROUET ERIC
DUDLEY STEVE
DURDIN CHRIS
EDDIE JOHN
EDMUNDS HENRY. A
ELLIS SAM
FENN PATRICIA
FOLEY MICHAEL
FOWLES ANDRIAN P.
FOX KIM
FOX RITCHARD
FULLER MICHAEL
GATTI FRANCESCO
GIBSON CHRIS
GODDARD DAVID
GOETHALS VALERIE
GOOS WALTER
GREATOREX-DAVIES NICK
GRIFFIN DAVE
GUILFOYLE A.
HAATELA TARI
HABELER HEINZ
HALL D
HAPKA TAMAS
HARI THEIVAPRAKASHAM
HEAP JOHN
HULL MIKE
HUNT PETER
JORDAN JAN
JUTZELER DAVID
KAPPES EVA
KAPPES WULF
KOLEV ZDRAVKO
LAFRANCHIS TRISTAN
MAIER MARIO
MAJER JINDRICH
MANDZIEJEWICZ R.
MANN JOHN
MASON STEPHEN A
MAUNDER MIKE
MAZZEI PAOLO
McALLISTER JOHN
McALLISTER JOAN
MEREDITH GUY
MOORE DAVID
MURPHEY CHRIS
MOLGAARD MORTEN S
NABBE MARINA
NORBERT ULMAN
OISTEIN BERG
PALMI PAOLO
PEACE NIGEL
PERKINS ROGER
PETTERSSON LARS
PLOWMAN FRANCIS
PLOWMANE DAVE
POOT ROB
PRENTICE MIKE
PRINGLE GORDON
RAMEL GORDON
RAES DIRK
RAVIGLIONE MARIO
REYNOLDS W. J
RODGERS PETER
ROWLINGS MATTHEW
RUSSELL PETER
RUTHERFORD JAN
SALMON JOHN
SAVAGE LYNDON
SCARLAU ASTRID
SCHAIDER PAUL
SEEPMA HERRE
SELBY PAUL
SIOUX LEFTY
SMETHURST MIKE
SPENCER SIMON
SPEYBROEK JEROEN
SPILLER JOY
SPRUYTTE STEF
STANDRING KEVIN
STANLEY G. A.
STEUR JOEP
STUBGAARD JORGEN
SUTTON PETER
SVELKUTIS MICK
SZEKELY LEVENTE
TAYLOR MIKE
THOMPSON NEIL
THOMSON G.
THORSEN NIELS
TOLMAN TOM
TOWNSEND DENIS
TSHIKOLOVETS VADIM
ULMAN NORBERT
KAUNITZ ULF
van DOG JOHANNES
van HANS OOSTERHOUT
van SWAAY CHRIS
VEROVNIK RUDI
VLIEGENTHART ALBERT
VOSLAMBER BEREND
WAGENER SIGBERT P.
WATTS BERNARD
WICKMAN PER-OLOF
WIRTH ALEXANDER
WRIGHT DAVE
WYNNE IAN R
ZIEGLER HEINER



New Map 3.4
(update 2026)
Investigated localities for all species

Νέος Χάρτης 3.4
(επικαιροποίηση 2026)
Οι εξερευνηθείσες τοποθεσίες για όλα τα είδη

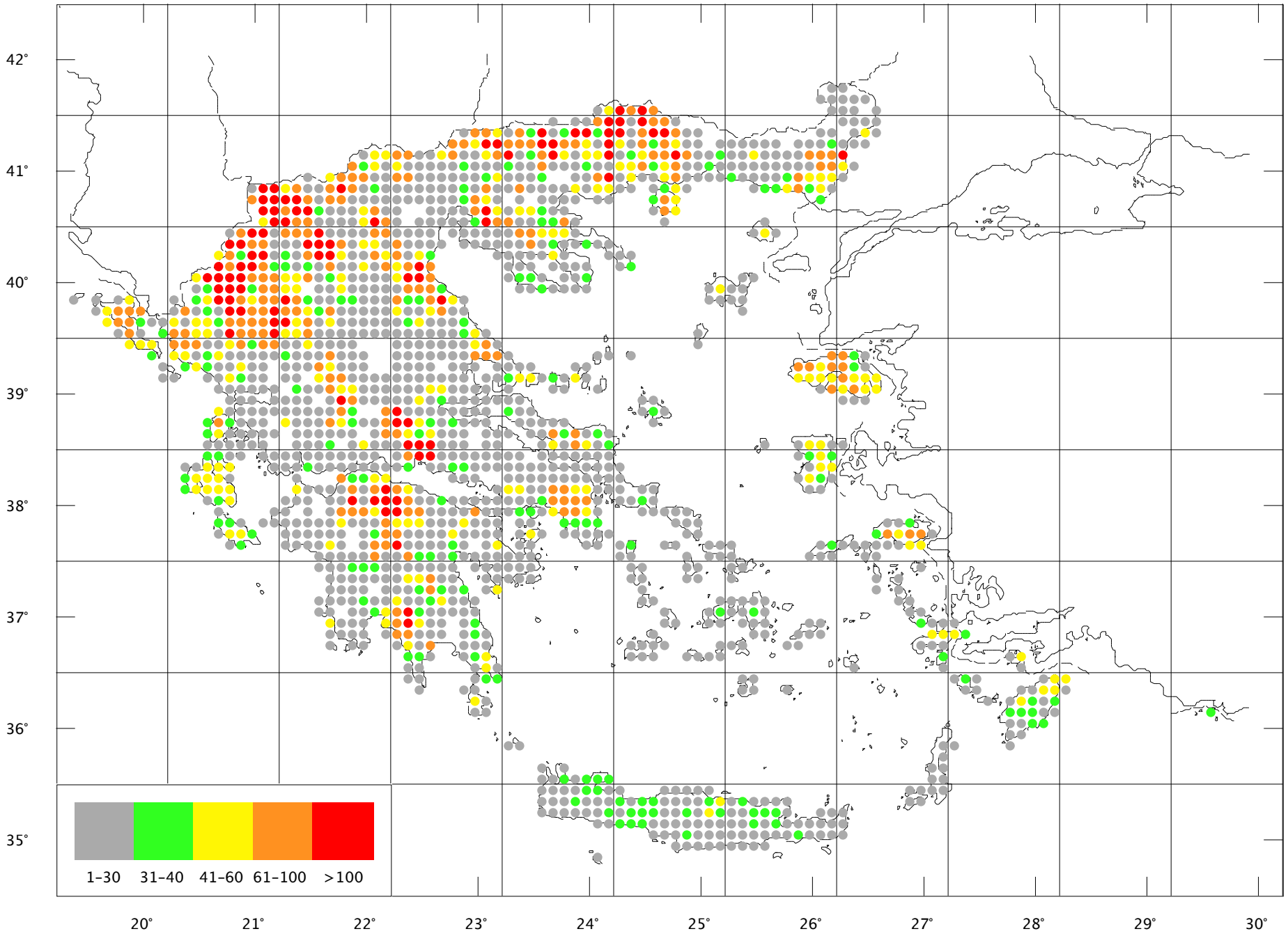


Chart 4.15
(update 2026)
Total number of species for all localities 6'X6'

Χάρτης 4.15
(επικαιροποίηση 2026)
Συνολικος αριθμος των ειδών για ολες τις τοποθεσιες 6'Χ6'

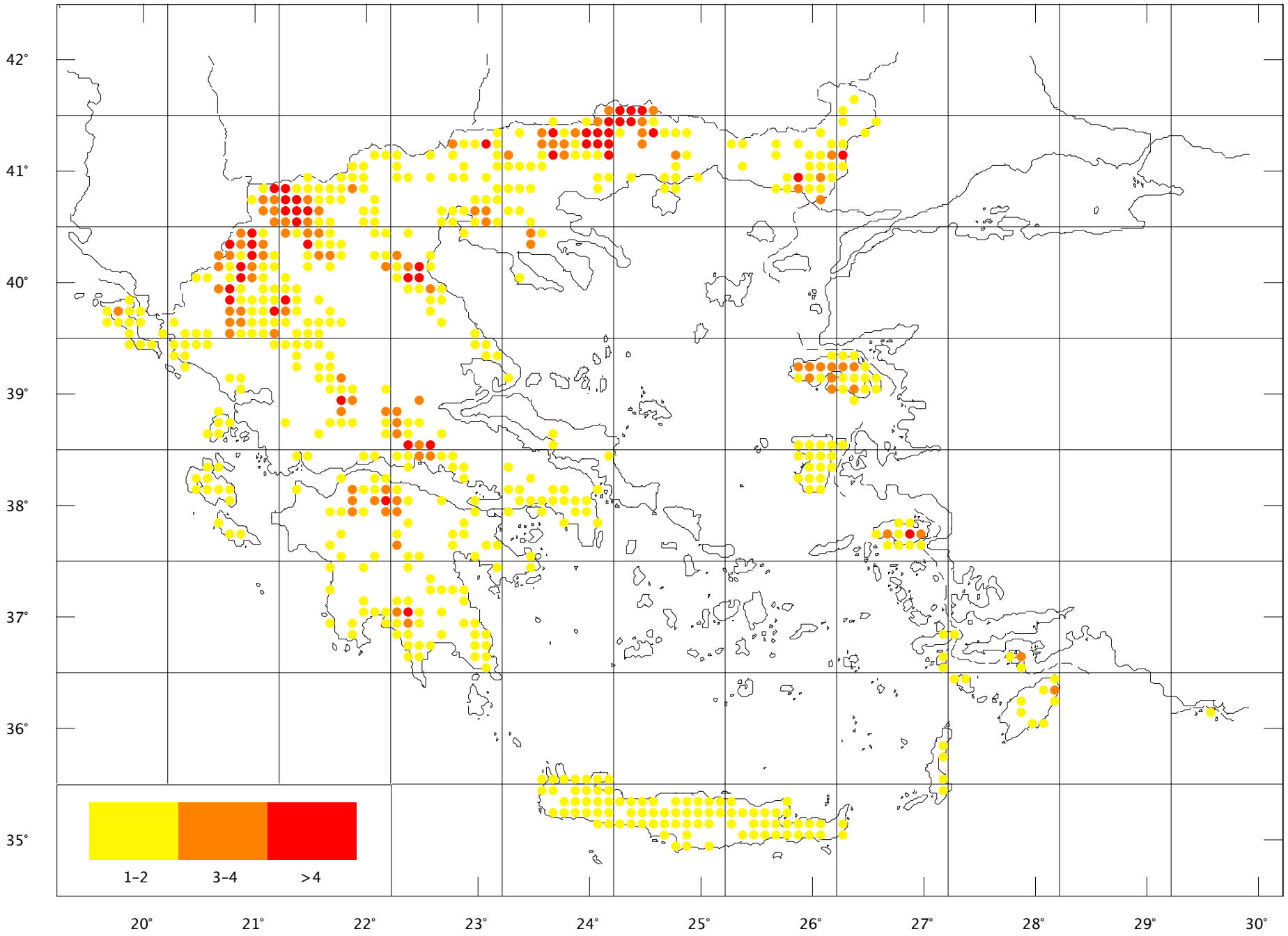


Chart 4.16
(update 2026)
Important butterfles areas in Greece

Χάρτης 4.16
(επικαιροποίηση 2026)
Σημαντικές περιοχές για τις πεταλούδες της Ελλάδας

Comments on the species distribution maps that follow
Σχόλια για τους χάρτες εξάπλωσης των ειδών που ακολουθούν

1. Endenic species/ Ενδημικά Είδη
    - *Zerynthia cretica*
    - *Kretania psylorita*
    - *Maniola chia*
    - *Hipparchia cretica*
    - *Coenonympha thyrsis*
    - *Hipparchia christenseni*
    - *Polyommatus timfristos*

2. Identification uncertain / Αμφίβολη αναγγνωριση
    - *Pieris napi*
    - *Pieris balcana*
    - *Colia erate*
    - *Leptidea sinapis*
    - *Leptidea juvernica*
    - *Melitaea athalia*
    - *Melitaea aurelia*
    - *Hipparchia senthes*
    - *Hipparchia volgensis*
    - *Pyrgus alveus*
    - *Pyrgus armoricanus*
    - *Muschampia orientalis*
    - *Muschampia floccifera*

3. Species reported only once / είδη που αναφέρθηκαν μόνον μια φορά.
    - *Thaleropis ionia*
    - *Deudorix livia*
    - *Hipparchia semele*

4. *Polyommatus ripartii*
    - As published by VISHNEVSKAYA MS, SAIFITDINOVA AF, LUKHTANOV VA (2016): Karyosystematics and molecular taxonomy of the anomalous blue butterflies (Lepidoptera, Lycaenidae) from the Balkan Peninsula. Comparative Cytogenetics 10(5): 1–85. https://doi.org/10.3897/ CompCytogen.v10i5.10944, the new endemic species Polyommatus timfristos was found in Mt Paranssos and Mt Tymfristos, very similar (in external characters) to P. ripartii. All records of P. ripartii, in this map, should be revised because of the possibility that new cryptic species is hidden.
    - Όπως δημοσιεύθηκε στο VISHNEVSKAYA MS, SAIFITDINOVA AF, LUKHTANOV VA (2016): Karyosystematics and molecular taxonomy of the anomalous blue butterflies (Lepidoptera, Lycaenidae) from the Balkan Peninsula. Comparative Cytogenetics 10(5): 1–85. https://

doi.org/10.3897/ CompCytogen.v10i5.10944, το νέο είδος Polyommatus timfristos βρέθηκε στα βουνά Παρνασσός και Τυμφρηστός, το οποίο είναι πάρα πολύ όμοιο με το P. ripartii (στα εξωτερικά χαρακτηριστικά). Όλες οι καταγραφές του P. ripartii, σε αυτόν τον χάρτη, θα πρέπει να επανεξεταστούν επειδή υπάρχει η πιθανότητα να υπάρχουν και άλλα κρυπτικά είδη.

5. *Polyommatus aroaniensis*
   - It was published recently [by Parmentier L, Vila R, Lukhtanov V (2022) Integrative analysis reveals cryptic speciation linked to habitat differentiation within Albanian populations of the anomalous blues (Lepidoptera, Lycaenidae, Polyommatus Latreille, 1804). Comparative Cytogenetics 16(4): 211-242. https://doi.org/10.3897/ CompCytogen.v16.i4.90558] that a new cryptic species Polyommatus lurae was found in Albania, very similar (in external characters) to P. orphicus eleniae and P. aroaniensis. All records of P. aroaniensis, in this map, should be revised because of the possibility that new cryptic species is hidden.
   - Δημοσιεύθηκε πρόσφατα [στο Parmentier L, Vila R, Lukhtanov V (2022) Integrative analysis reveals crypticspeciation linked to habitat differentiation within Albanian populations of the anomalous blues (Lepidoptera, Lycaenidae, Polyommatus Latreille, 1804). Comparative Cytogenetics 16(4): 211-242. https://doi.org/10.3897/ CompCytogen.v16.i4.90558] ότι ενα νέο είδος το Polyommatus lurae βρέθηκε στην Αλβανια, το οποίο είναι πάρα πολύ όμοιο με τα P. orphicus eleniae και P. aroaniensis. Όλες οι καταγραφές του P. aroaniensis, σε αυτόν τον χάρτη πρέπει να επανεξεταστούν επειδή υπάρχει η πιθανότητα να υπάρχουν κρυπτικά είδη.

6. *Polyommatus orphicus*

   - Polyommatus orphicus eleniae, a new subspecies as suggested by VISHNEVSKAYA MS, SAIFITDINOVA AF, LUKHTANOV VA (2016): Karyosystematics and molecular taxonomy of the anomalous blue butterflies (Lepidoptera, Lycaenidae) from the Balkan Peninsula. Comparative Cytogenetics 10(5): 1– 85. https://doi.org/10.3897/ CompCytogen.v10i5.10944. Very similar to P. aroaniensis; see photos of P. eleniae in pages 296–297 of the book the Butterflies of Greece (2009).
   - Polyommatus orphicus eleniae, το οποίο έχει προταθεί με το VISHNEVSKAYA MS, SAIFITDINOVA AF, LUKHTANOV VA (2016): Karyosystematics and molecular taxonomy of the anomalous blue butterflies (Lepidoptera, Lycaenidae) from the Balkan Peninsula. Comparative Cytogenetics 10(5): 1–85. https://doi.org/10.3897/ CompCytogen.v10i5.10944. Μεγάλη ομοιότητα με το P. aroaniensis. Δέστε για φωτογραφίες του P. eleniae, στις σελίδες 296–297 του βιβλίου Οι Πεταλούδες της Ελλάδας (2009).

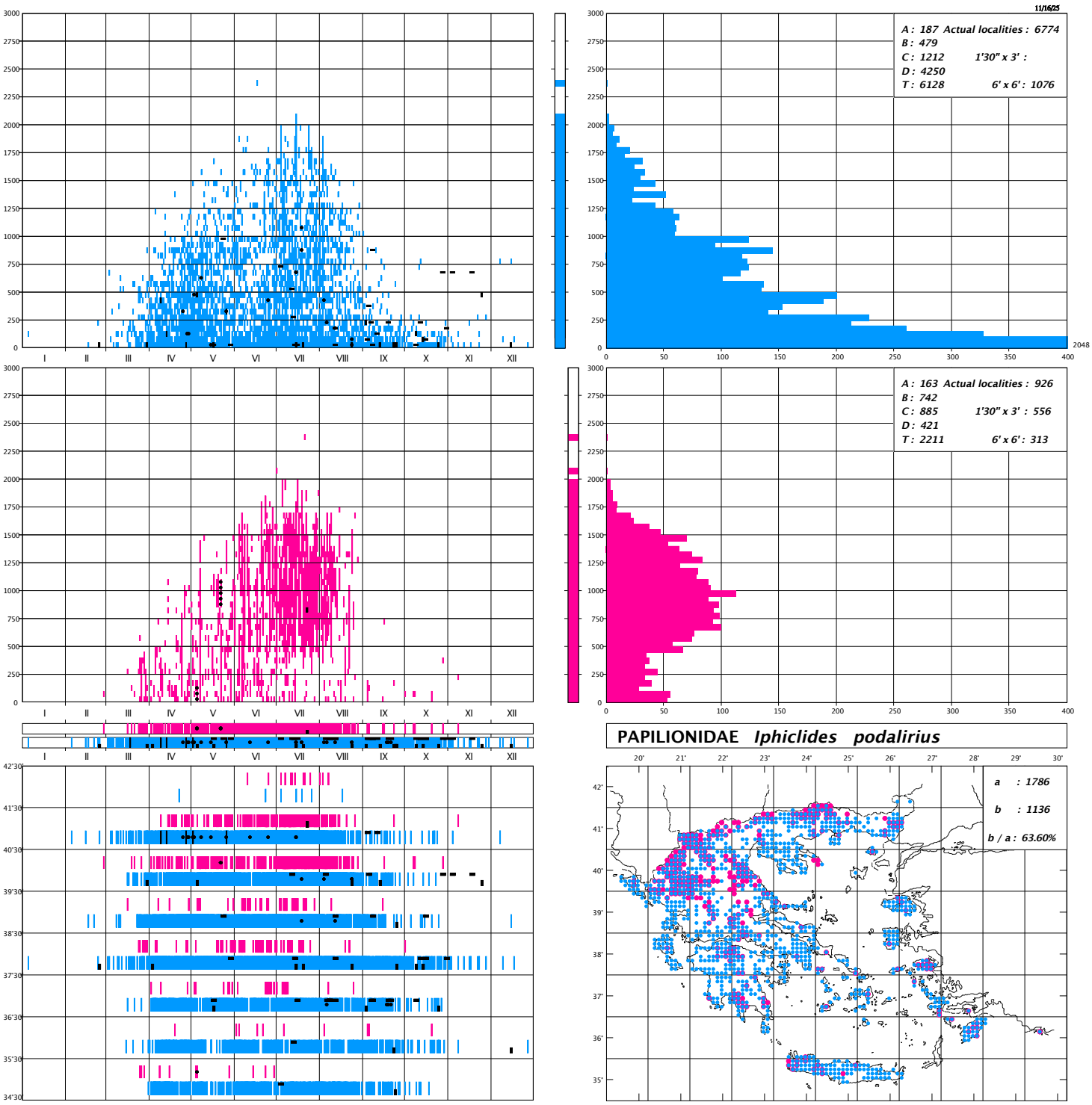
7. See more details for several species in the next page or in / Δες περισσότερες λεπτομέρειες για τα

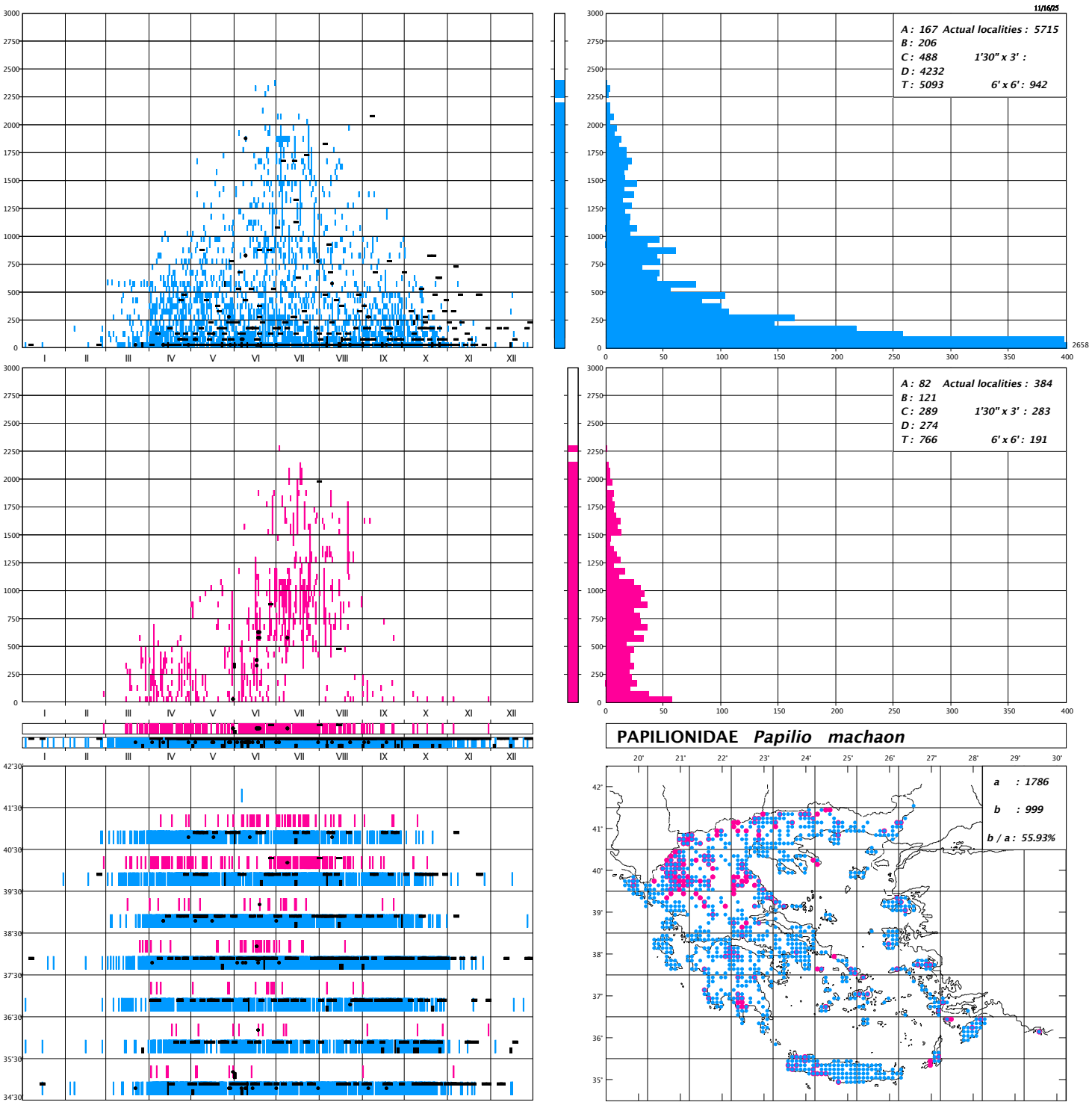
είδη στην επόμενη σελίδα ή στο

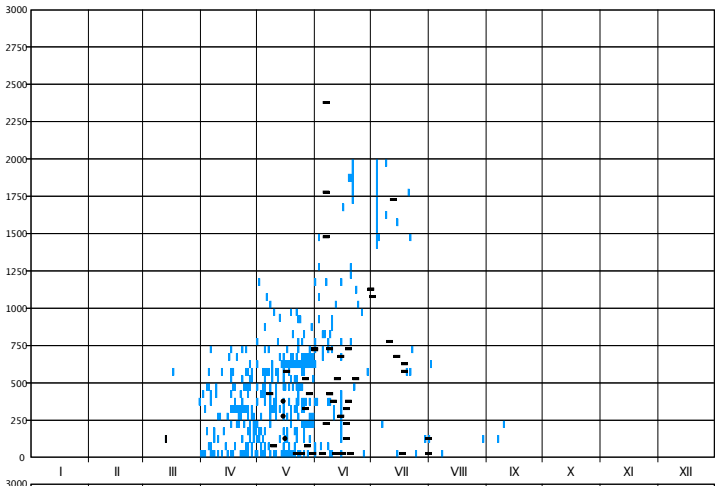
https://pamperis.gr/butterflies-of-greece/

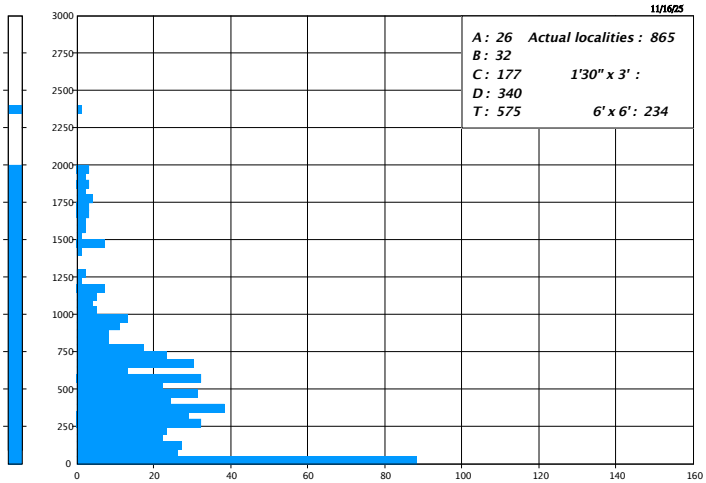
Pieris napi/balcana complex
Colias crocea/erate complex
Lepidea sinapis/juvernica complex
Plebejus argus/idas/argyrognomon complex
Polyommatus ripartii/timfristos complex
Melitaea athalia/aurelia complex
Hipparchia fagi/syriaca complex
Hipparchia senthes/volgensis/cretica/christenseni/mersina complex
Pseudochazara anthelea/amalthea complex
Maniola telmessia/chia/hallicarnassus complex
Gegenes pumilio/nostrodamus complex
Pyrgus armoricanus/alveus complex
Muschampia alta/proteides complex
Muschampia orientalis/floccifera complex

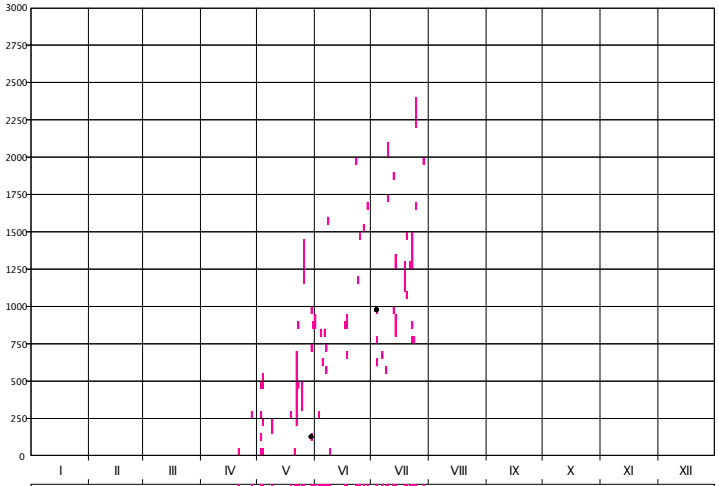
Thymelicus sylvestris, Thymelicus hyrax, Thymelicus lineola, Thymelicus acteon
Melitaea didyma, Melitaea trivia
Hipparchia fatua, Hipparchia statilinus
Hyponephele lupina, Hyponephele lycaon
Lasiommata maera, Lasiommata megera, Lasiommata petropolitana
Melitaea phoebe, Melitaea ornata
Polyommatus escheri, Polyommatus thersites
Polyommatus icarus, Polyommatus eros
Aricia agestis, Aricia artaxerxes, Aricia anteros
Lysandra coridon, Lysandra bellargus
Gonepteryx
Pyrgus
Carcharodus
Muschampia
Lycaena
Pseudochazara
Colias alfacariensis, Colias crocea
Erebia neleus, Erebia ottomana

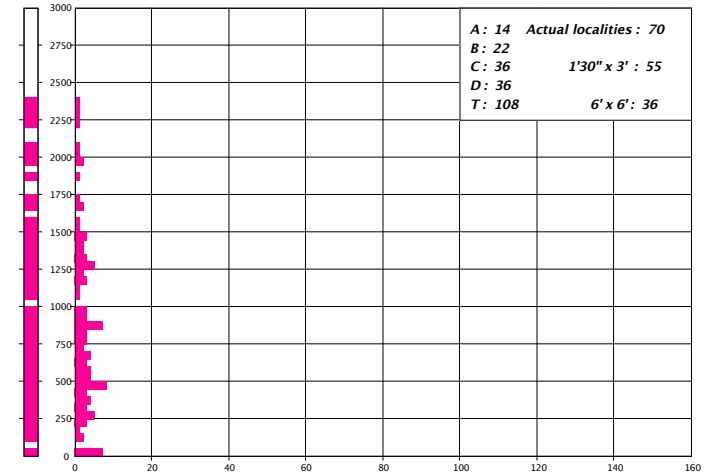

11/16/25
A : 187 Actual localities : 6774
B : 479
C : 1212 1'30" x 3' :
D : 4250
T : 6128 6' x 6' : 1076
A : 163 Actual localities : 926
B : 742
C : 885 1'30" x 3' : 556
D : 421
T : 2211 6' x 6' : 313
PAPILIONIDAE Iphiclides podalirius
a : 1786
b : 1136
b / a : 63.60%

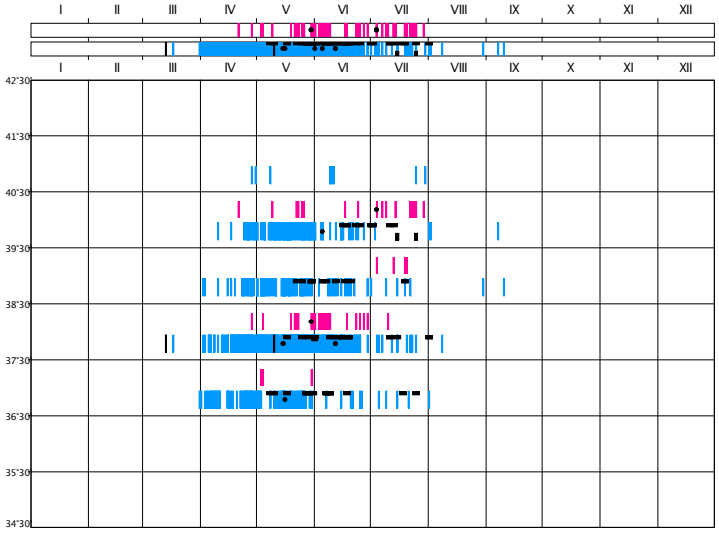

11/16/25
A : 167 Actual localities : 5715
B : 206
C : 488 1'30" x 3' :
D : 4232
T : 5093 6' x 6' : 942
2658
A : 82 Actual localities : 384
B : 121
C : 289 1'30" x 3' : 283
D : 274
T : 766 6' x 6' : 191
PAPILIONIDAE Papilio machaon
a : 1786
b : 999
b / a : 55.93%



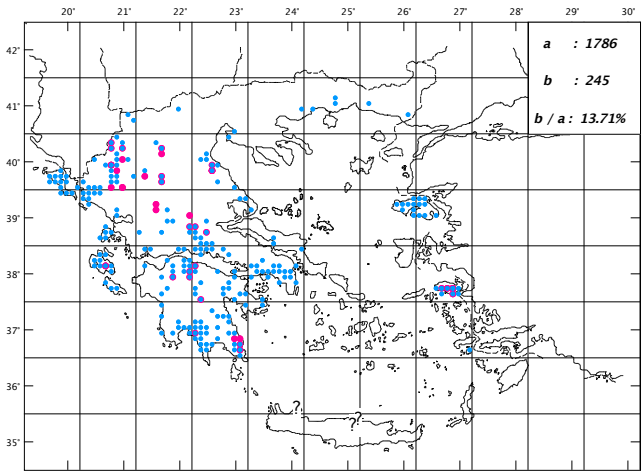


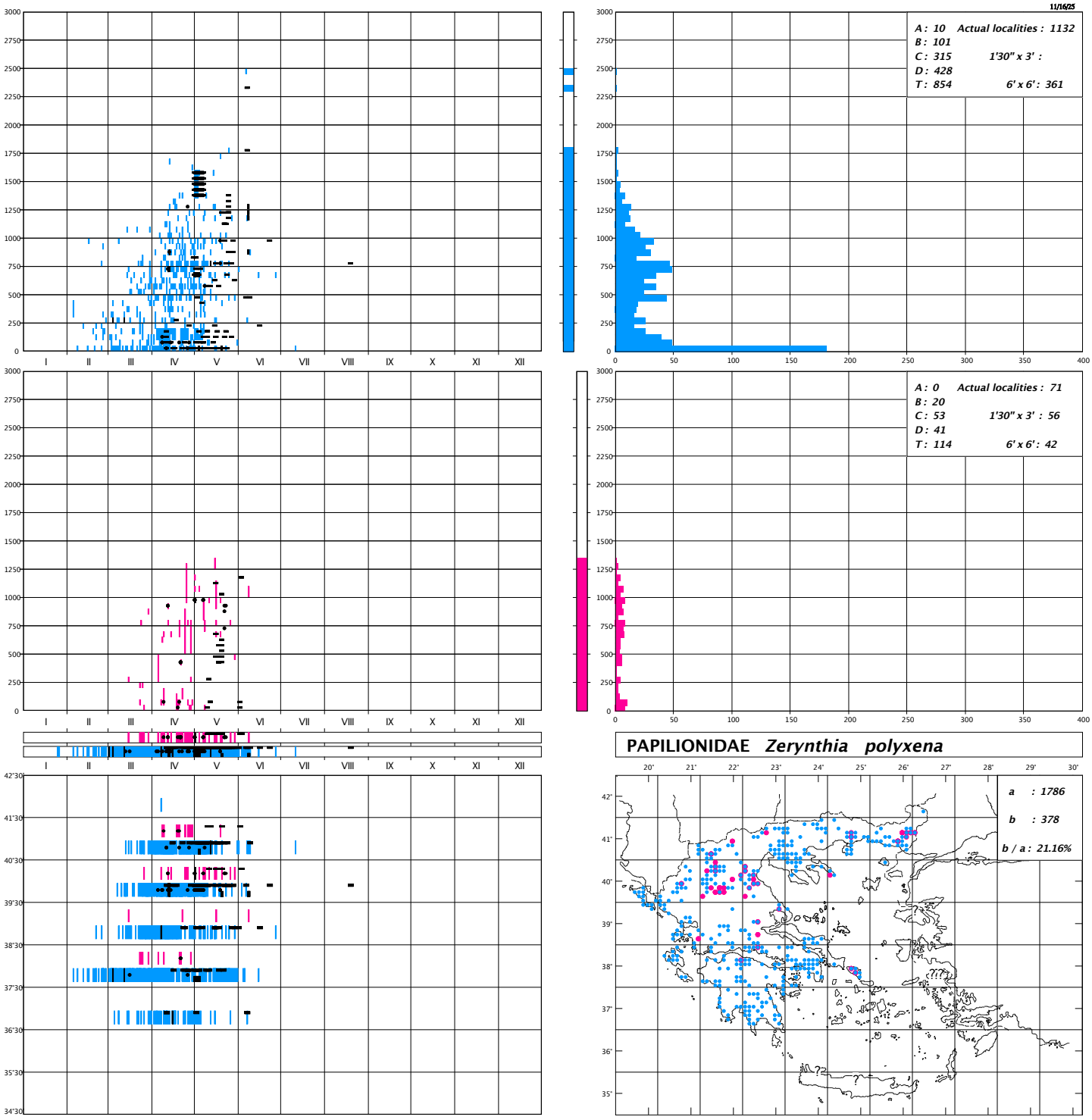


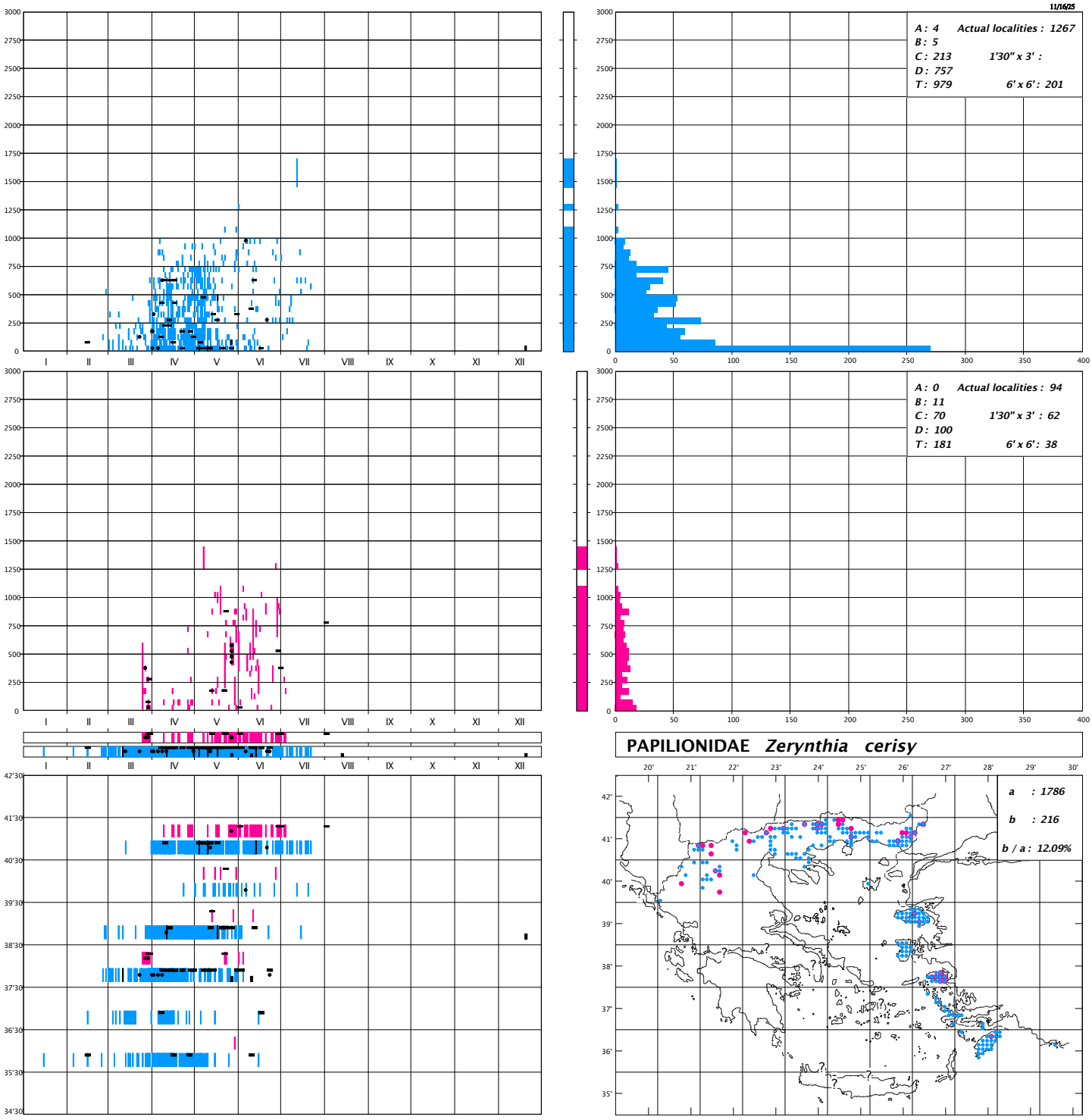


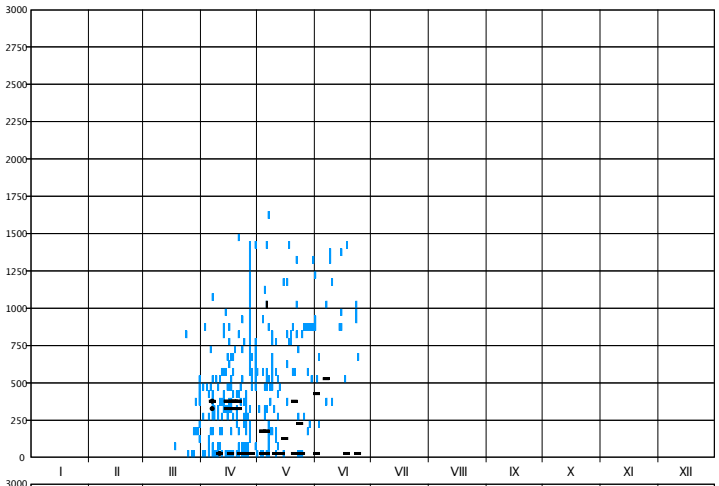


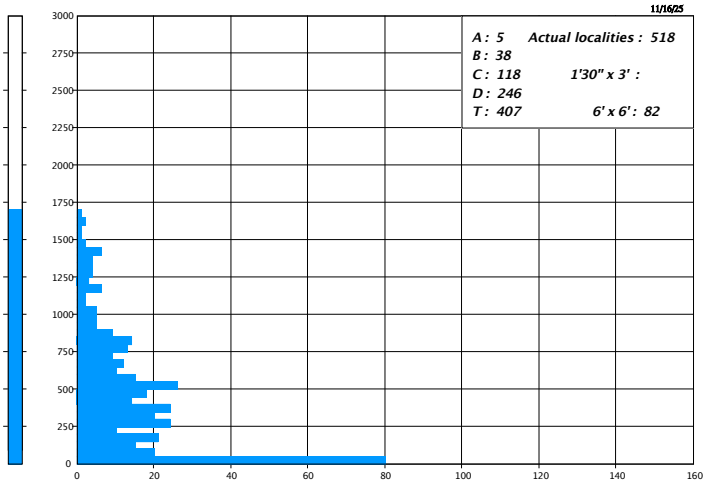
PAPILIONIDAE *Papilio alexanor*

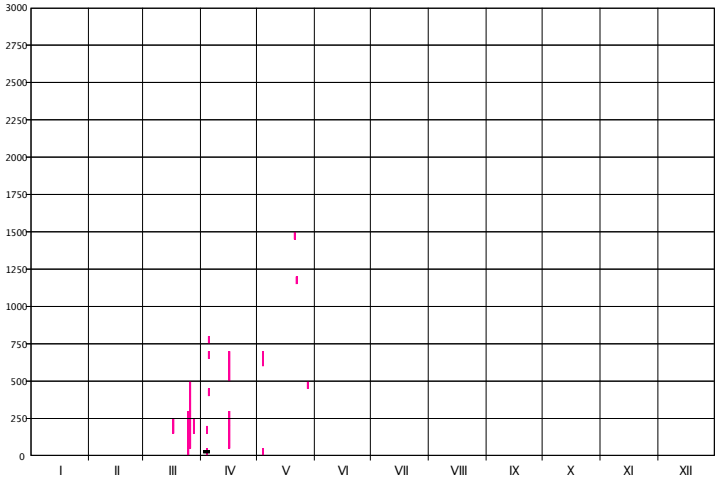


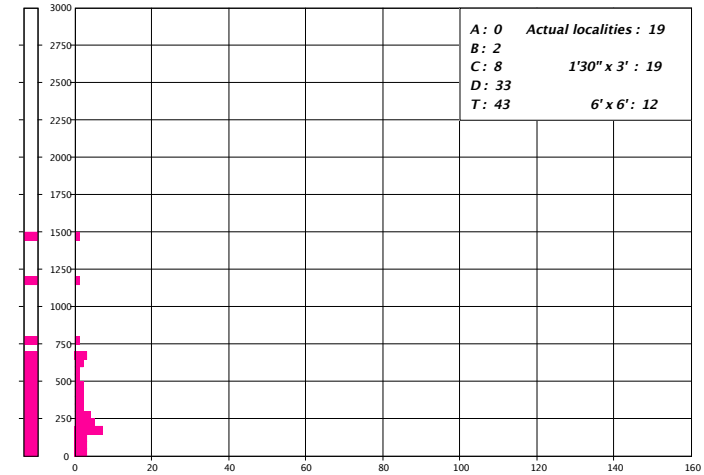

11/16/25
A : 10 Actual localities : 1132
B : 101
C : 315 1'30" x 3' :
D : 428
T : 854 6' x 6' : 361
A : 0 Actual localities : 71
B : 20
C : 53 1'30" x 3' : 56
D : 41
T : 114 6' x 6' : 42
PAPILIONIDAE Zerynthia polyxena
a : 1786
b : 378
b / a : 21.16%

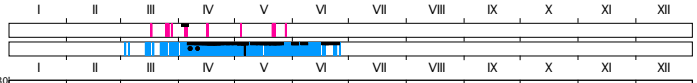

11/16/25
A : 4 Actual localities : 1267
B : 5
C : 213 1'30" x 3' :
D : 757
T : 979 6' x 6' : 201
A : 0 Actual localities : 94
B : 11
C : 70 1'30" x 3' : 62
D : 100
T : 181 6' x 6' : 38
PAPILIONIDAE Zerynthia cerisy
a : 1786
b : 216
b / a : 12.09%



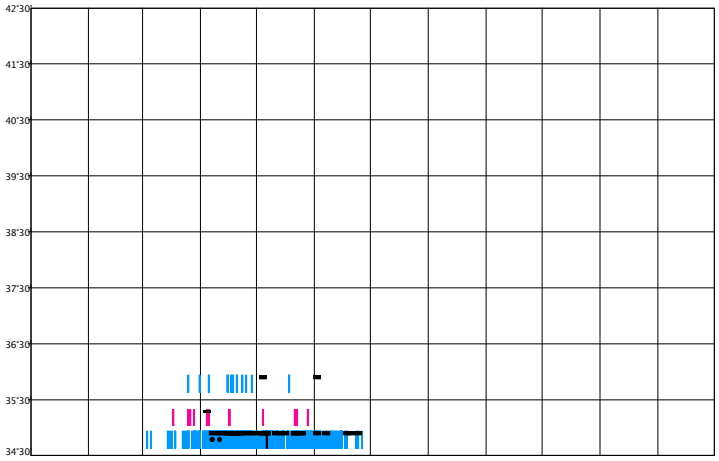


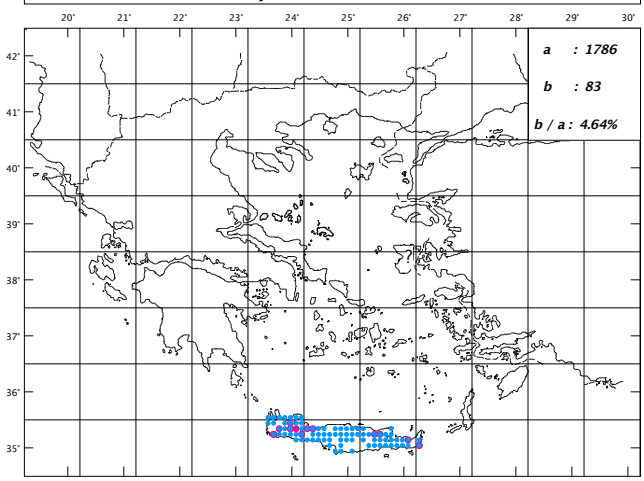


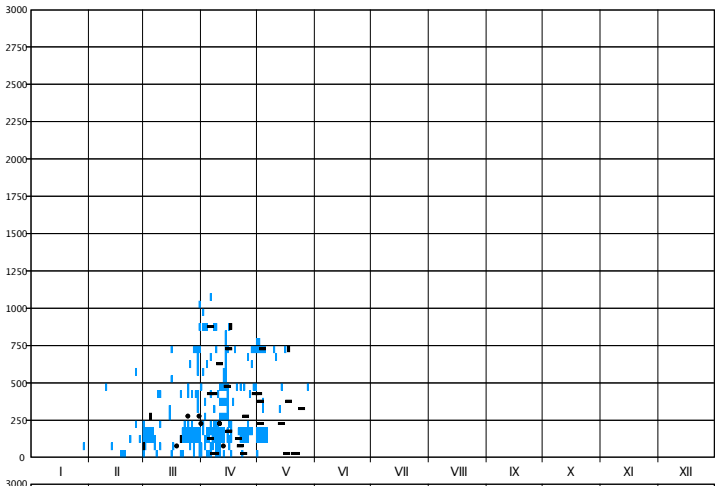


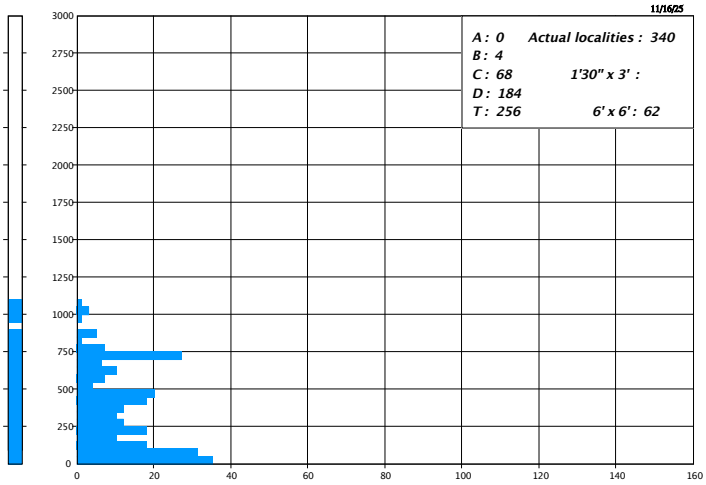


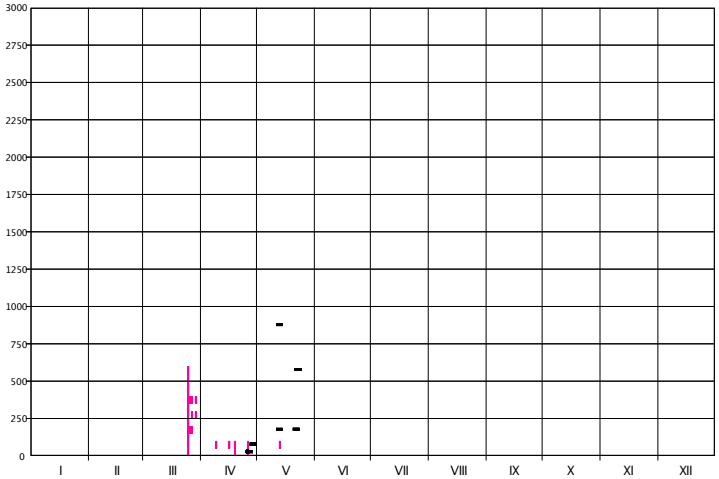
PAPILIONIDAE *Zerynthia cretica*

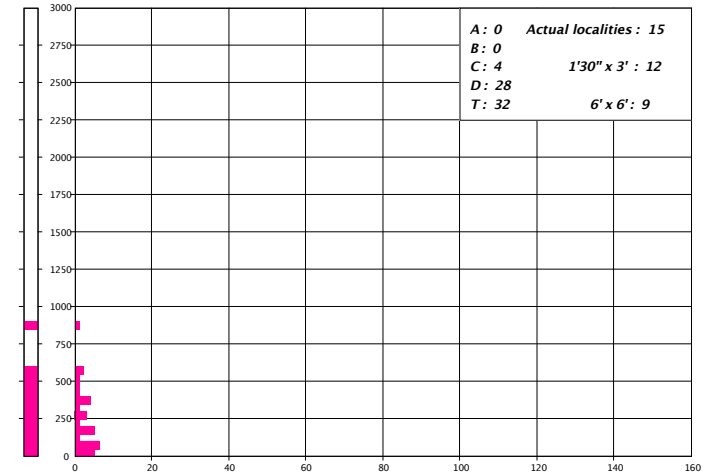


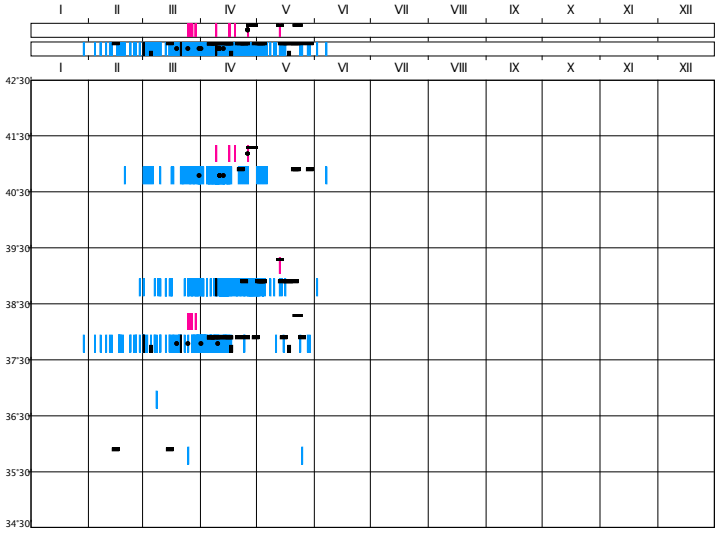




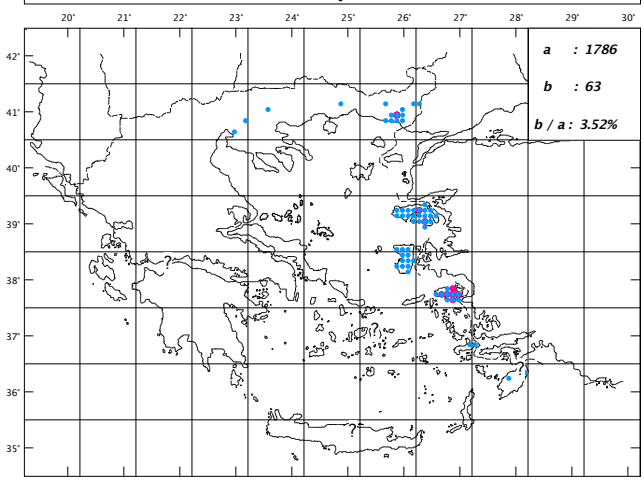


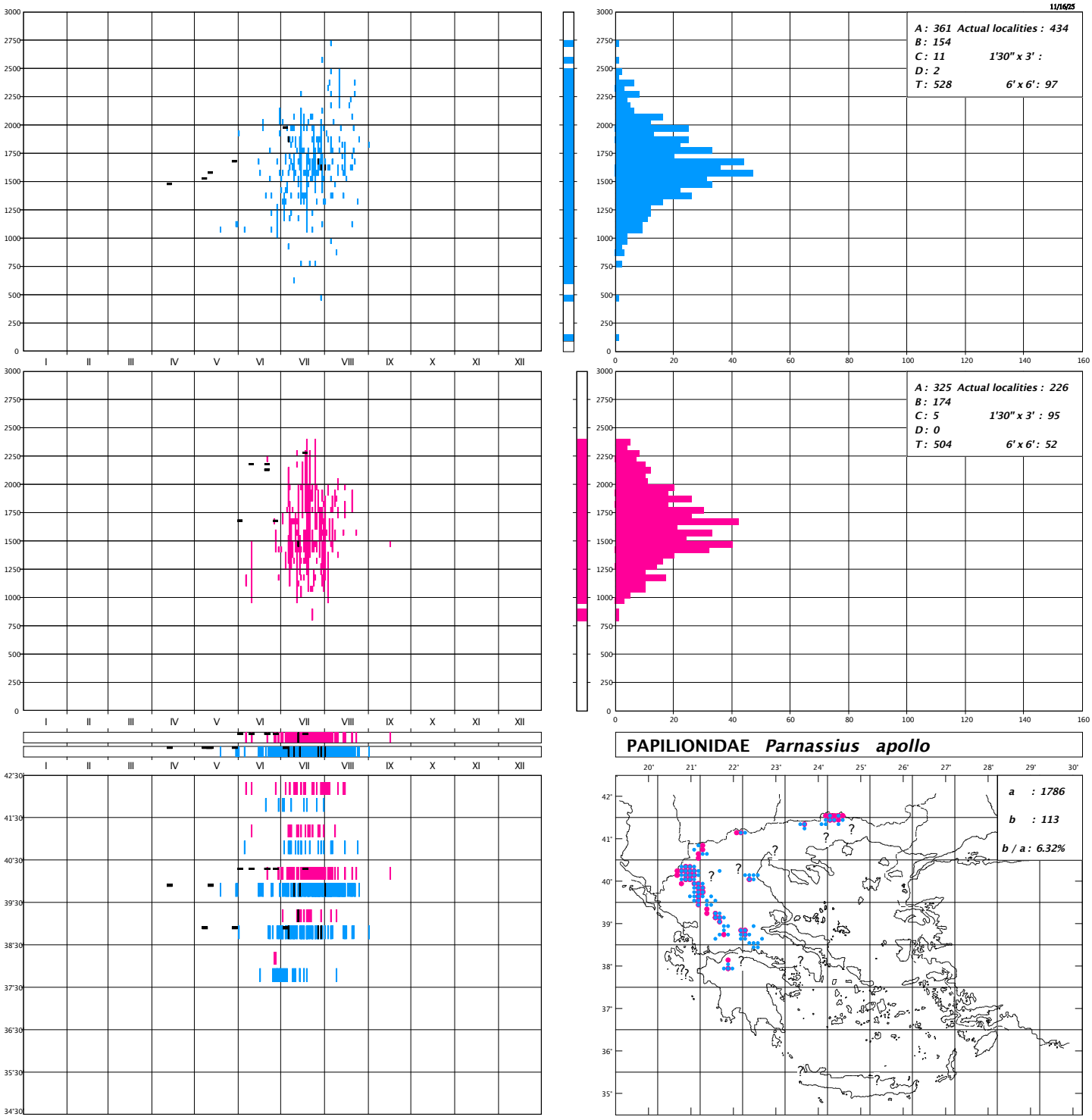


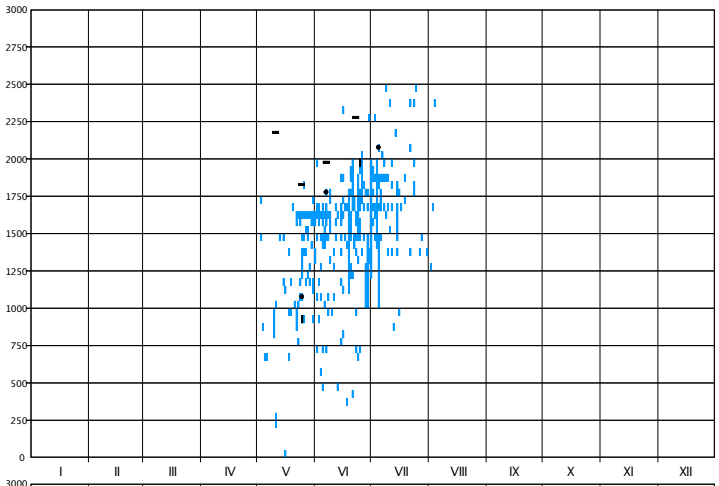


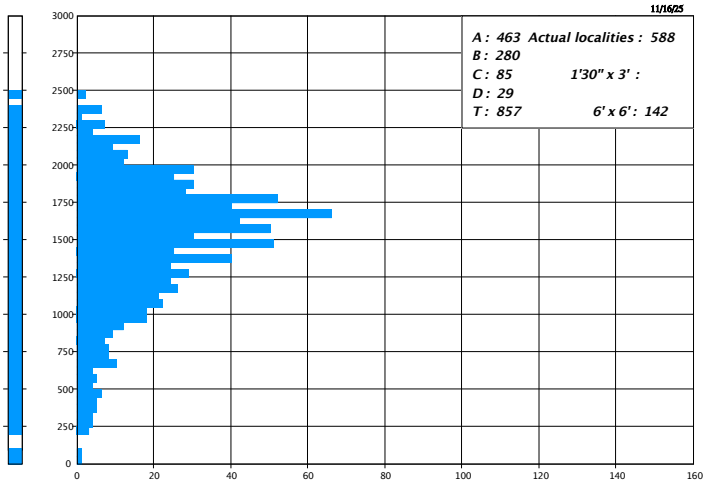


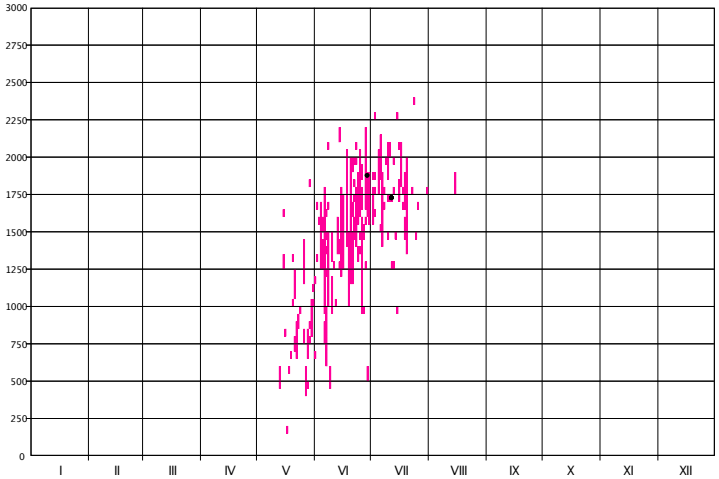
PAPILIONIDAE *Archon apollinus*

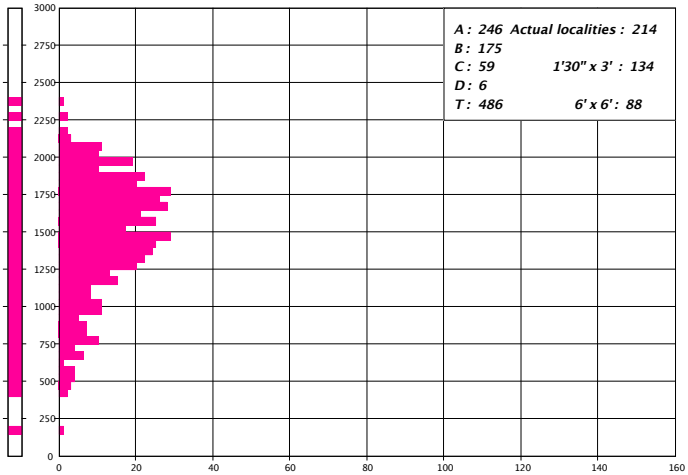


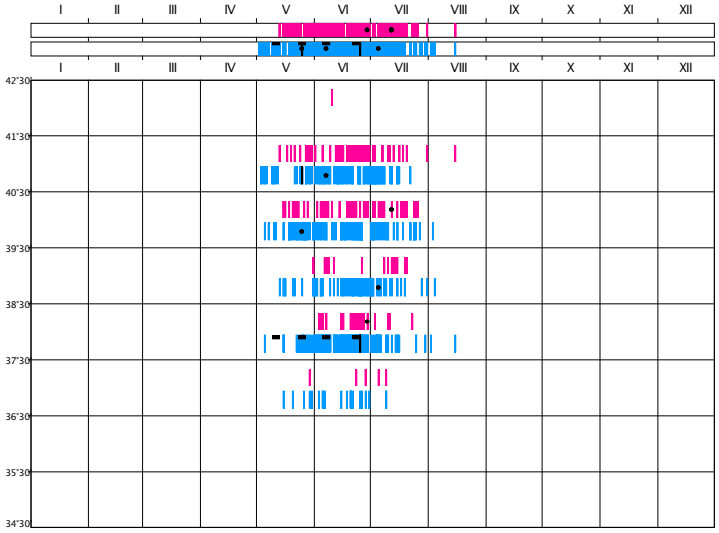

11/16/25
A : 361 Actual localities : 434
B : 154
C : 11 1'30" x 3' :
D : 2
T : 528 6' x 6' : 97
A : 325 Actual localities : 226
B : 174
C : 5 1'30" x 3' : 95
D : 0
T : 504 6' x 6' : 52
PAPILIONIDAE Parnassius apollo
a : 1786
b : 113
b / a : 6.32%



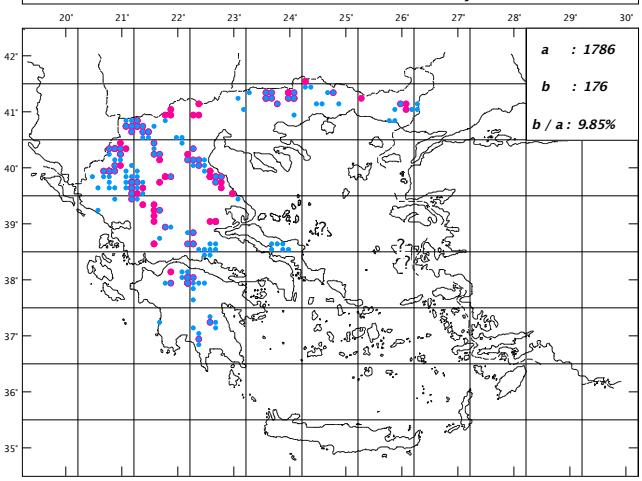


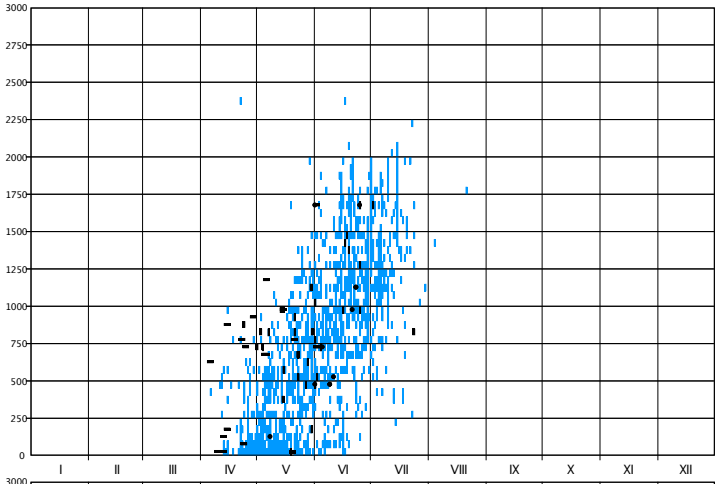


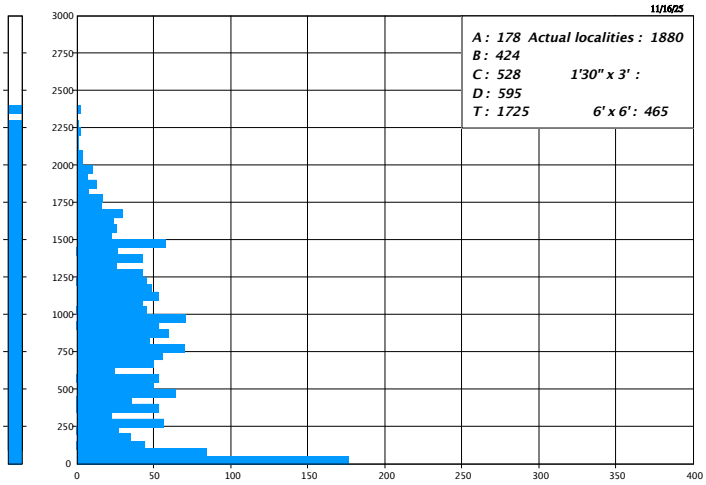


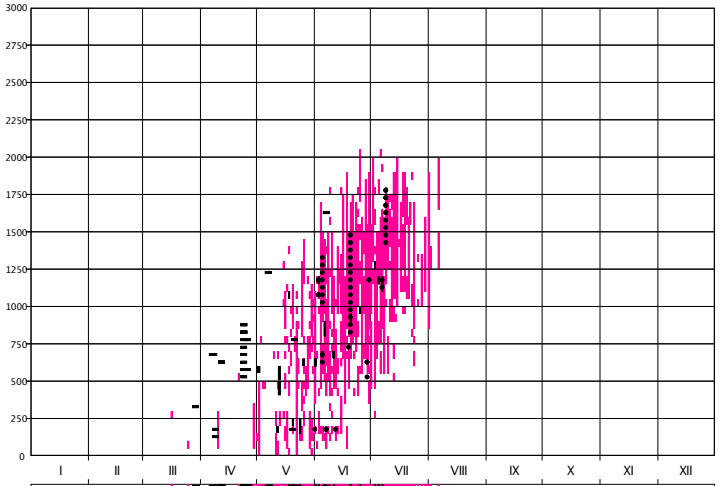


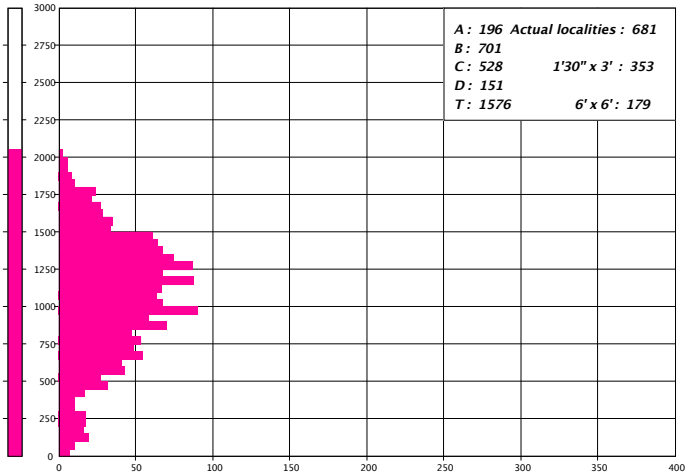
PAPILIONIDAE *Parnassius mnemosyne*

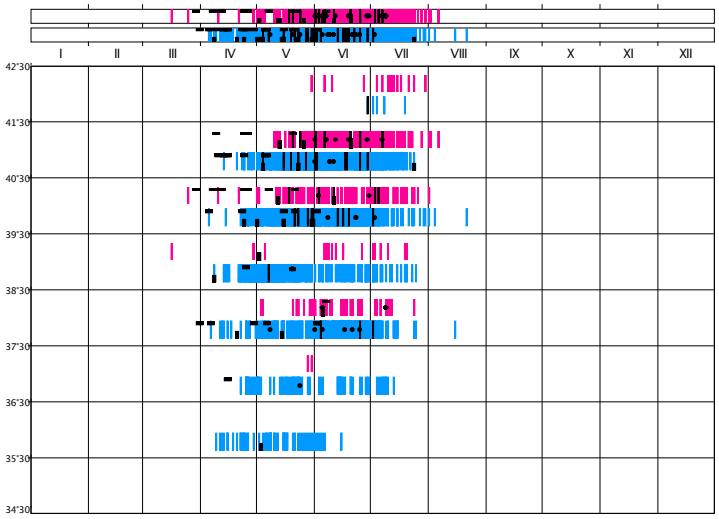




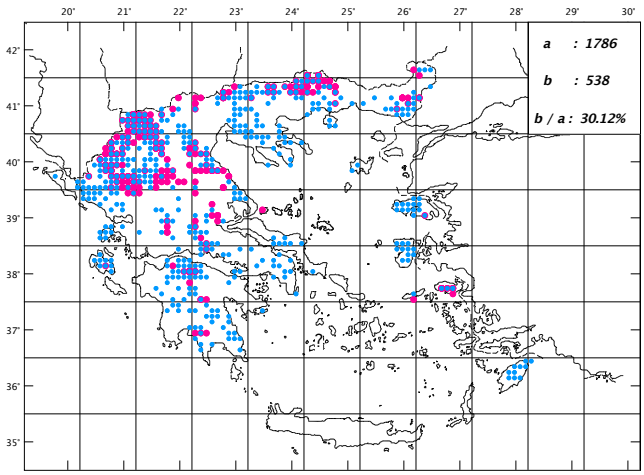


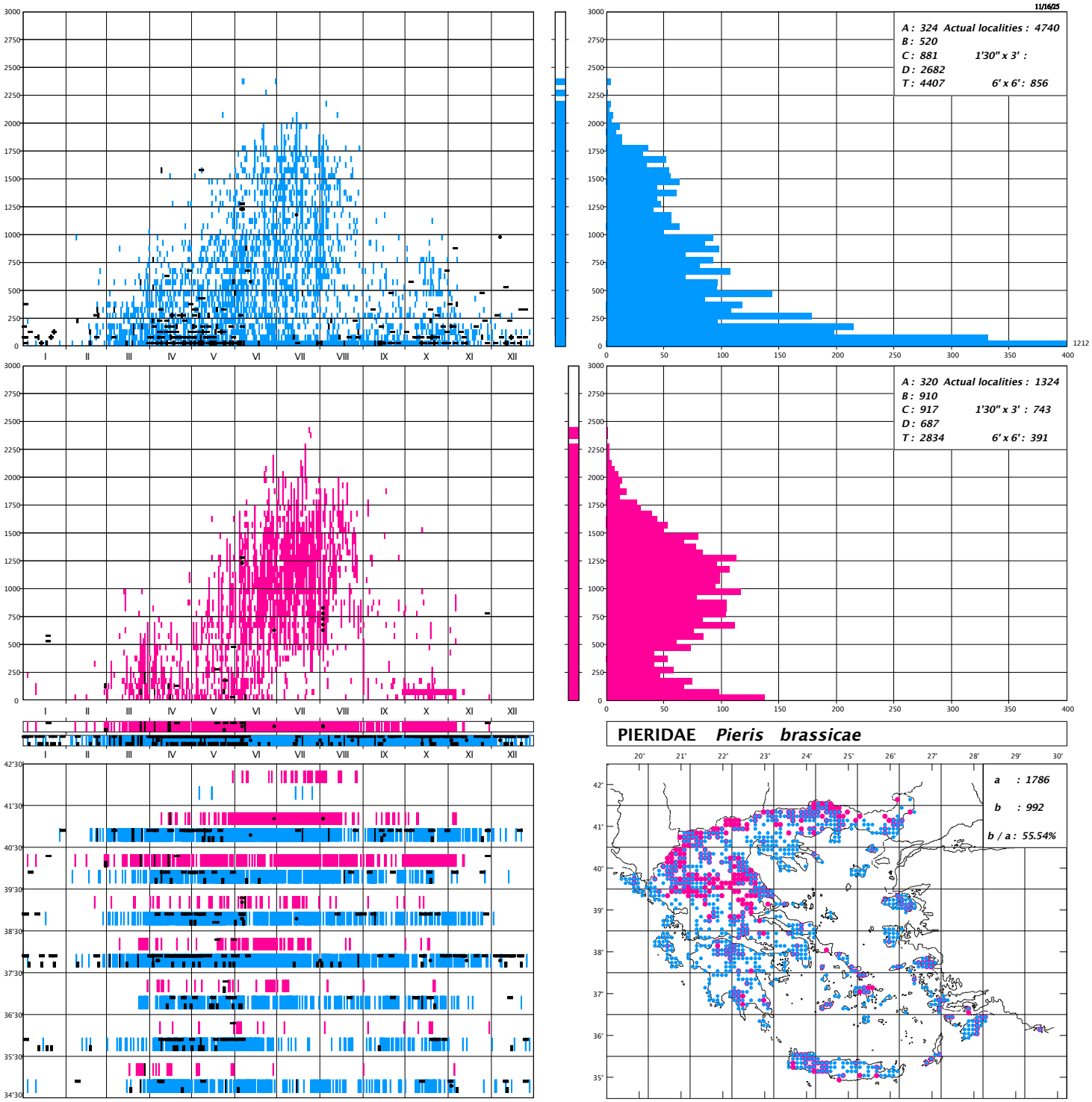


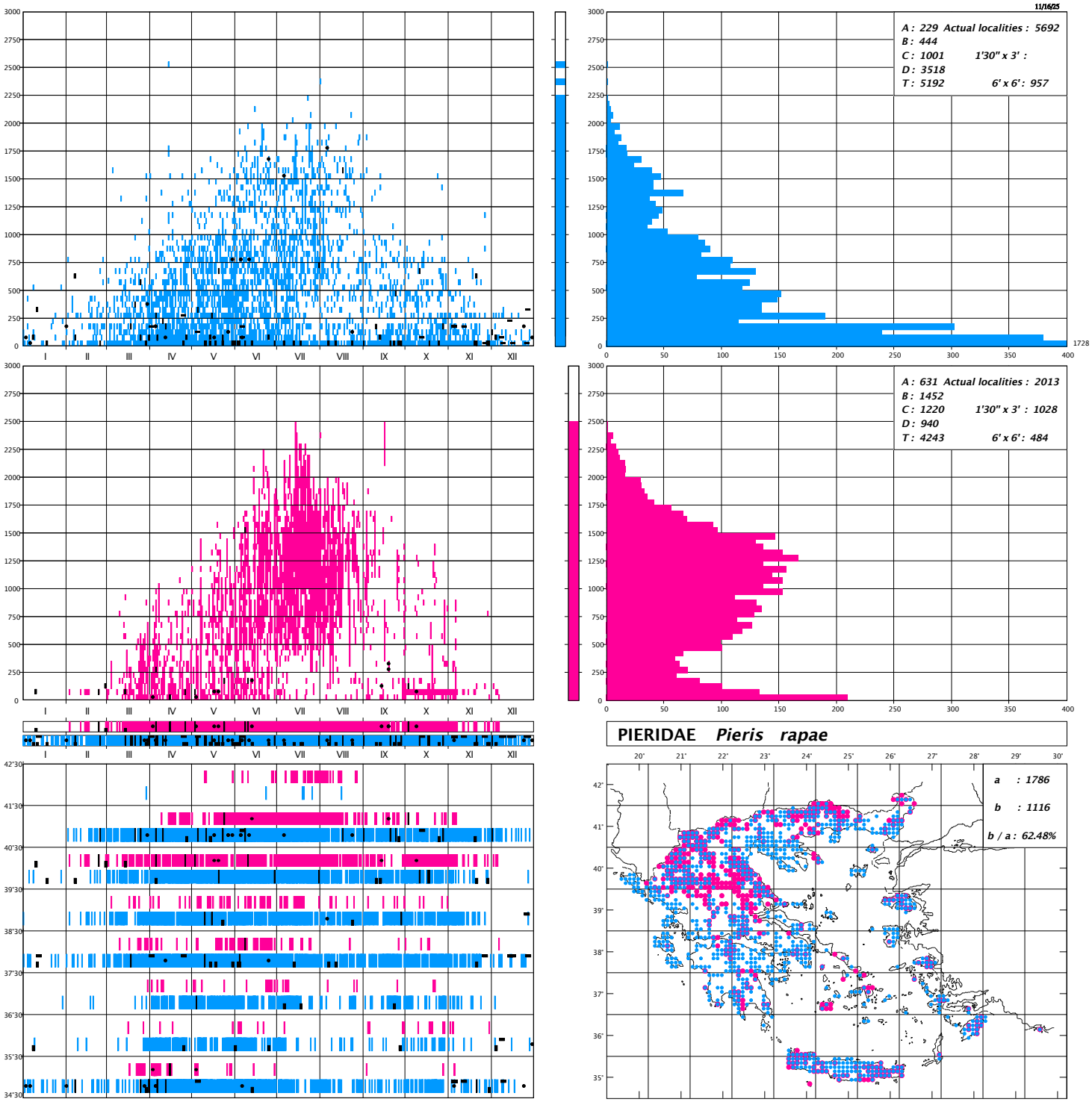


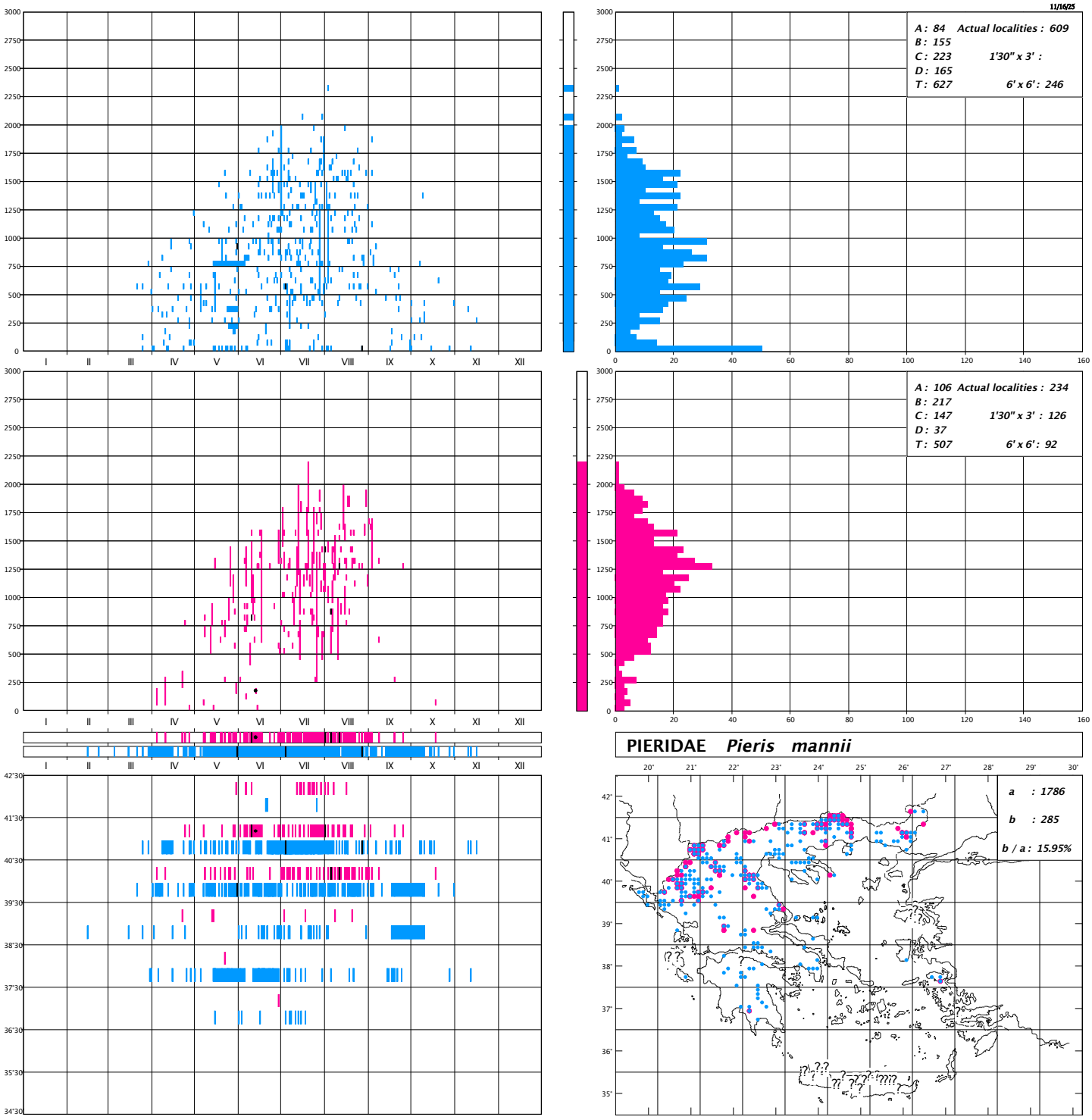


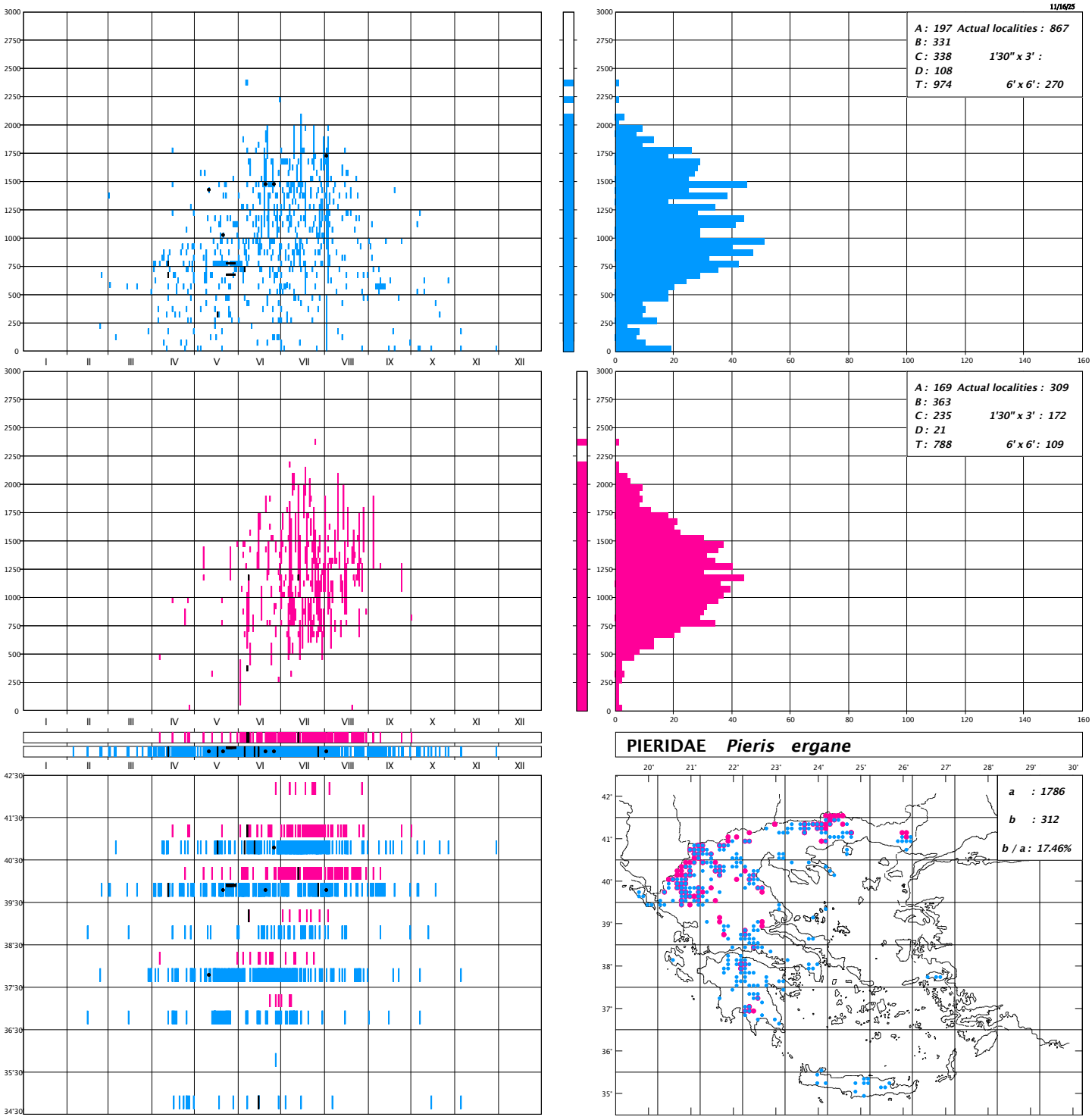
PIERIDAE *Aporia crataegi*

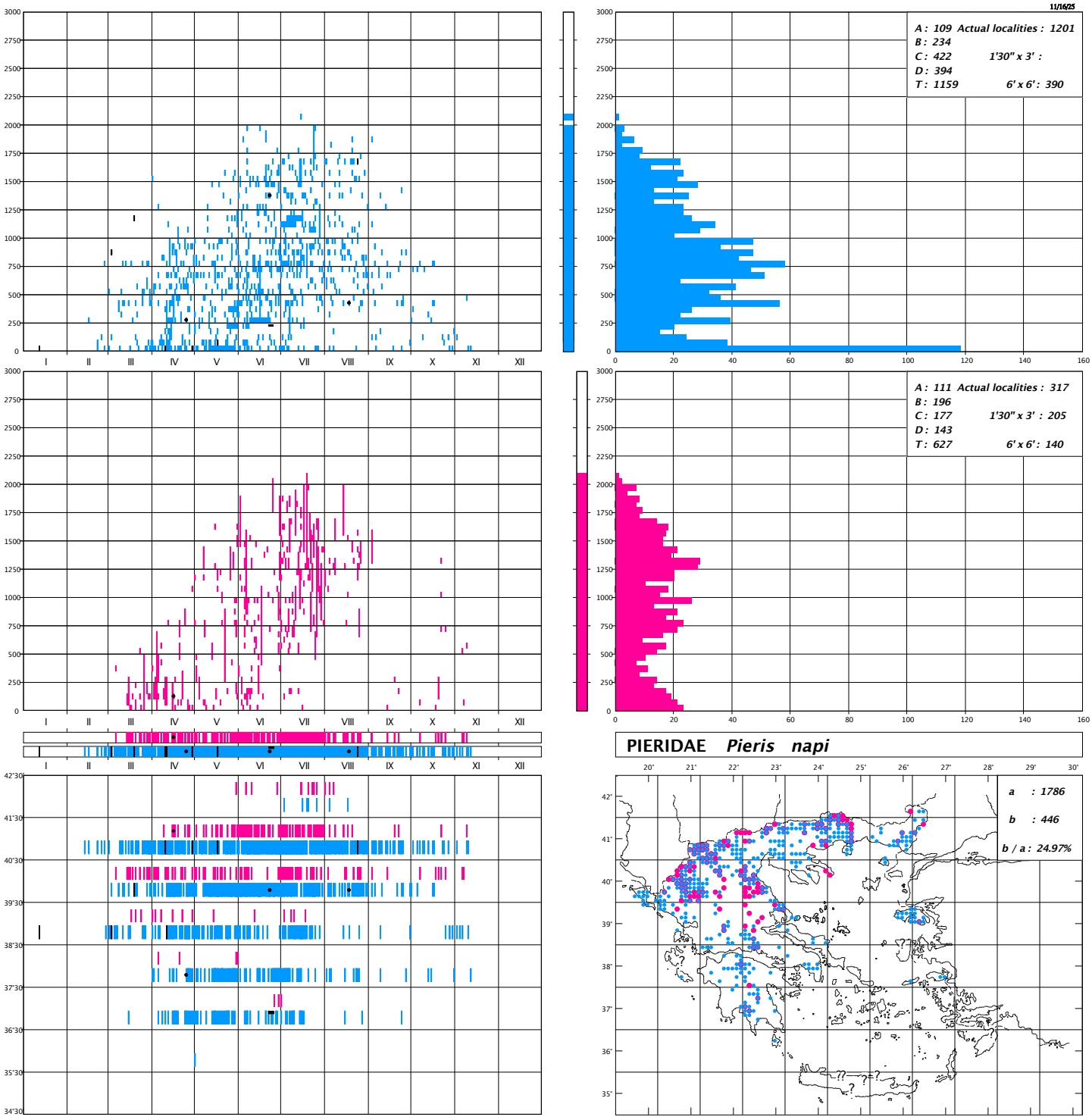


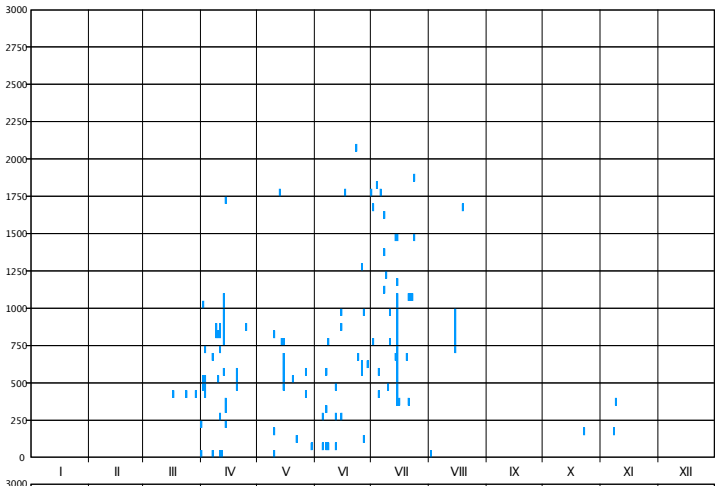

11/16/25
A : 324 Actual localities : 4740
B : 520
C : 881 1'30" x 3' :
D : 2682
T : 4407 6' x 6' : 856
A : 320 Actual localities : 1324
B : 910
C : 917 1'30" x 3' : 743
D : 687
T : 2834 6' x 6' : 391
PIERIDAE Pieris brassicae
a : 1786
b : 992
b / a : 55.54%

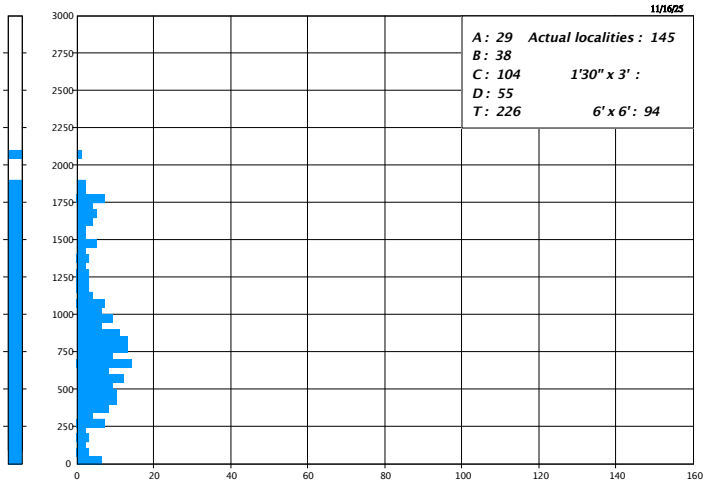

11/16/25
A : 229 Actual localities : 5692
B : 444
C : 1001 1'30" x 3' :
D : 3518
T : 5192 6' x 6' : 957
1728
A : 631 Actual localities : 2013
B : 1452
C : 1220 1'30" x 3' : 1028
D : 940
T : 4243 6' x 6' : 484
PIERIDAE Pieris rapae
a : 1786
b : 1116
b / a : 62.48%

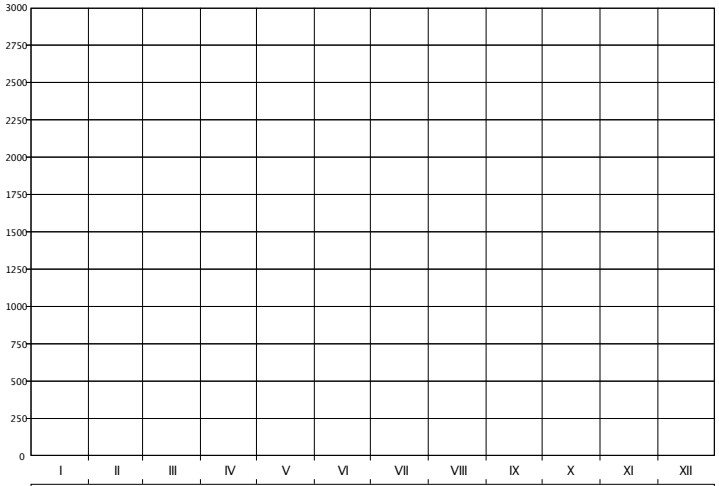

11/16/25
A : 84 Actual localities : 609
B : 155
C : 223 1'30" x 3' :
D : 165
T : 627 6' x 6' : 246
A : 106 Actual localities : 234
B : 217
C : 147 1'30" x 3' : 126
D : 37
T : 507 6' x 6' : 92
PIERIDAE Pieris mannii
a : 1786
b : 285
b / a : 15.95%

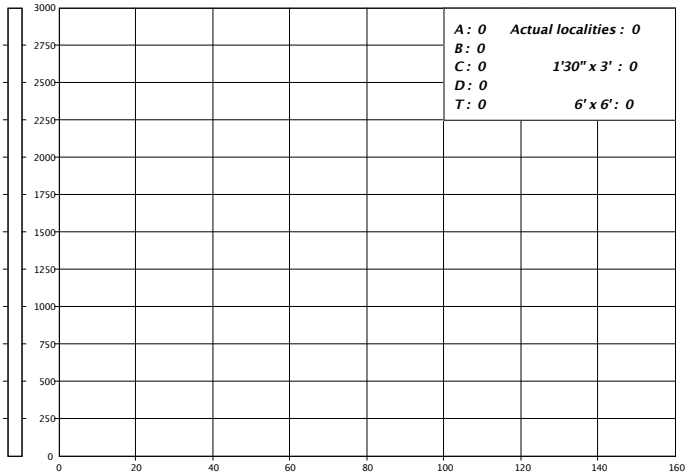

11/16/25
A : 197 Actual localities : 867
B : 331
C : 338 1'30" x 3' :
D : 108
T : 974 6' x 6' : 270
A : 169 Actual localities : 309
B : 363
C : 235 1'30" x 3' : 172
D : 21
T : 788 6' x 6' : 109
PIERIDAE Pieris ergane
a : 1786
b : 312
b / a : 17.46%

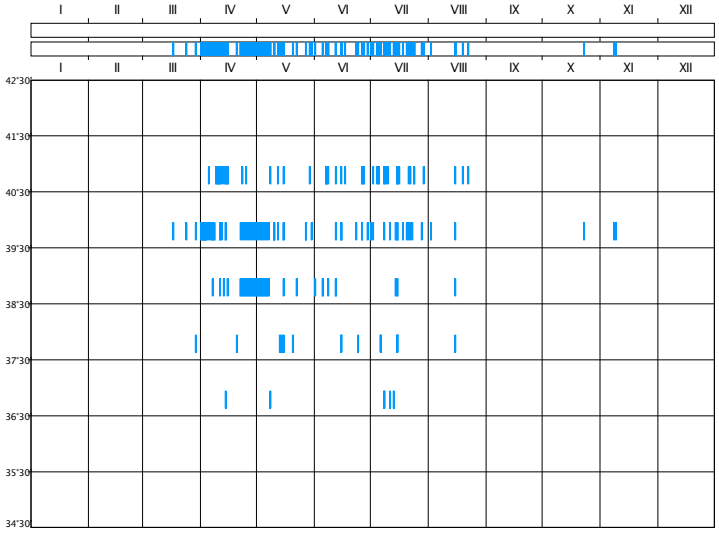

11/16/25
A : 109 Actual localities : 1201
B : 234
C : 422 1'30" x 3' :
D : 394
T : 1159 6' x 6' : 390
A : 111 Actual localities : 317
B : 196
C : 177 1'30" x 3' : 205
D : 143
T : 627 6' x 6' : 140
PIERIDAE Pieris napi
a : 1786
b : 446
b / a : 24.97%



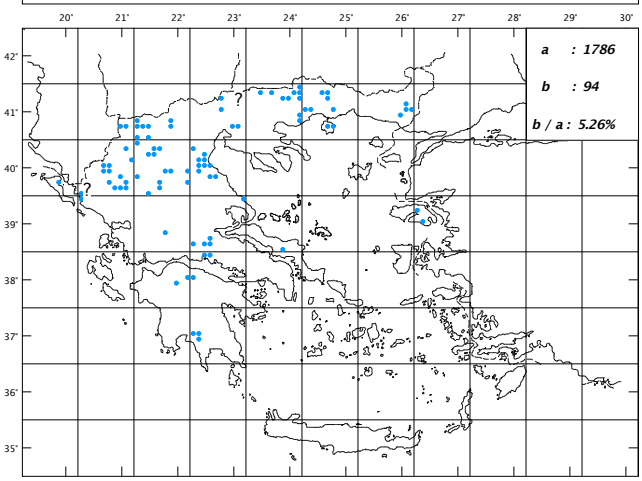


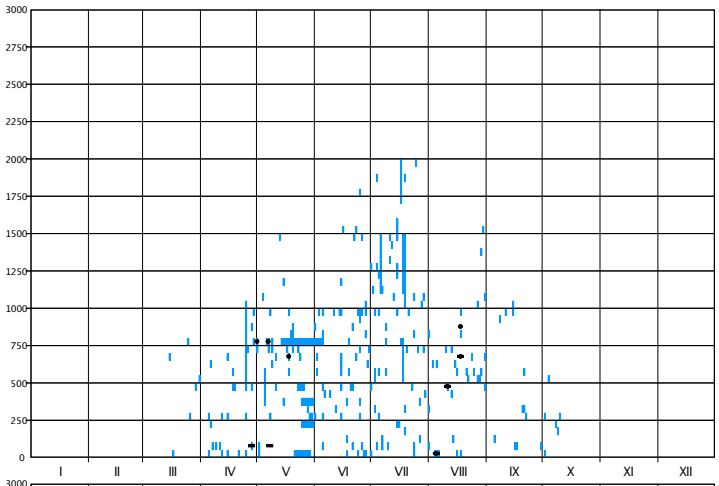


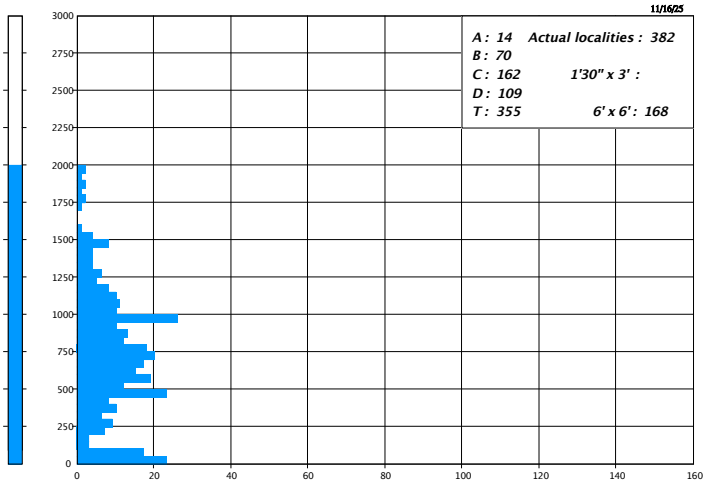


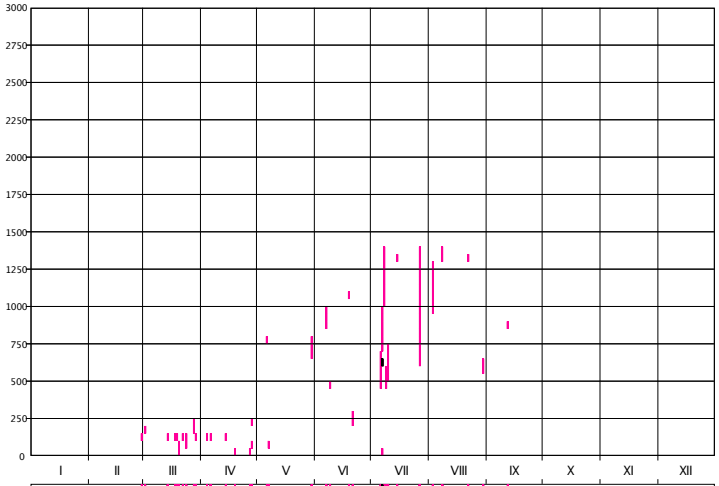


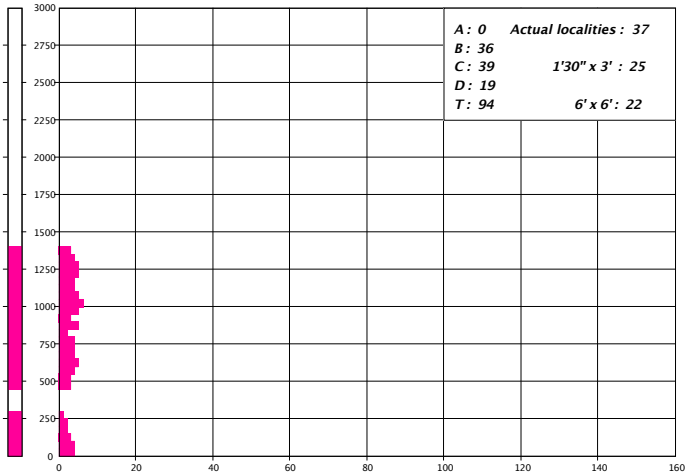
PIERIDAE *Pieris balcana*



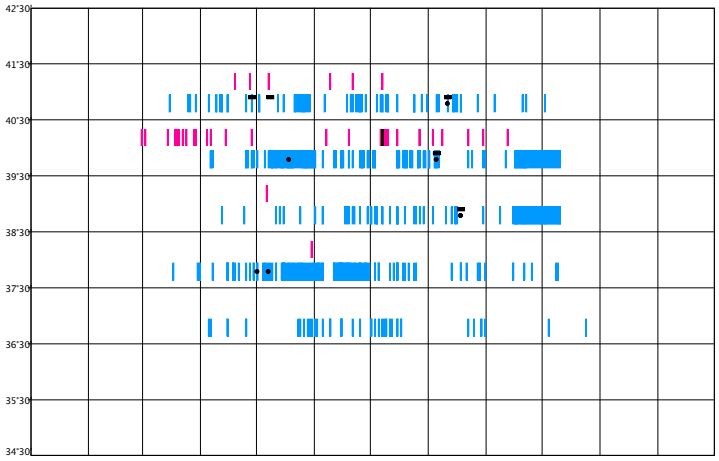


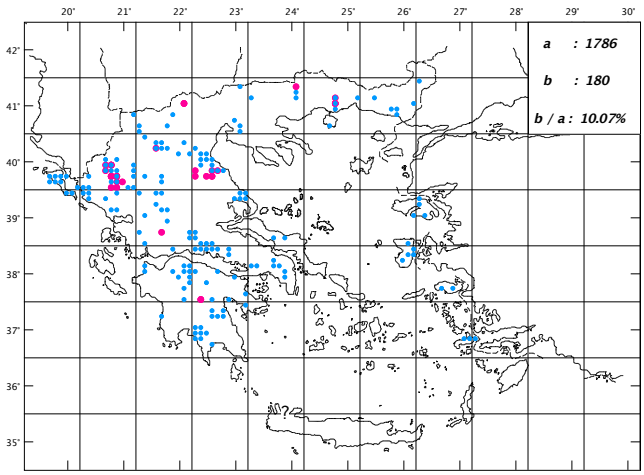


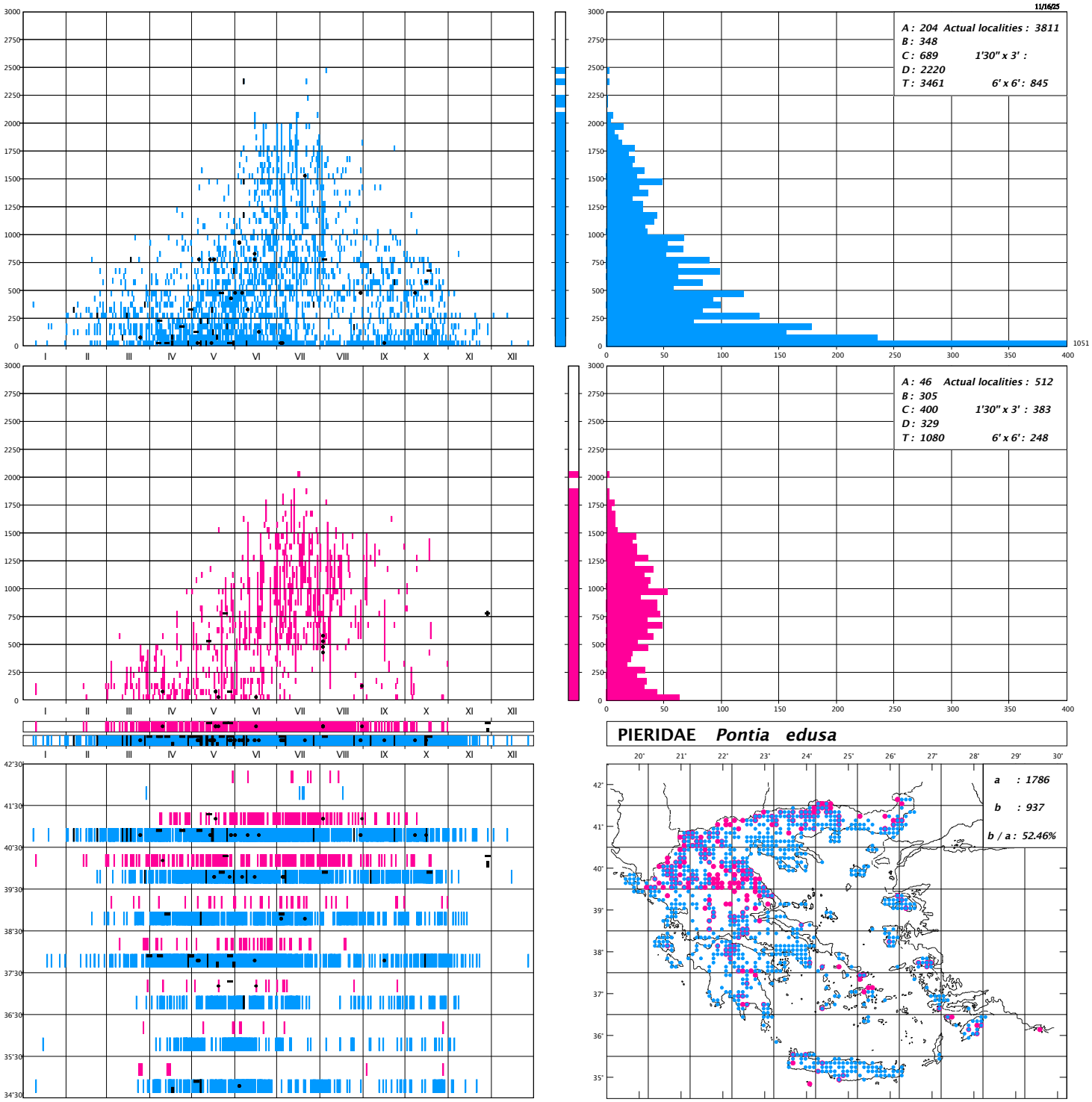


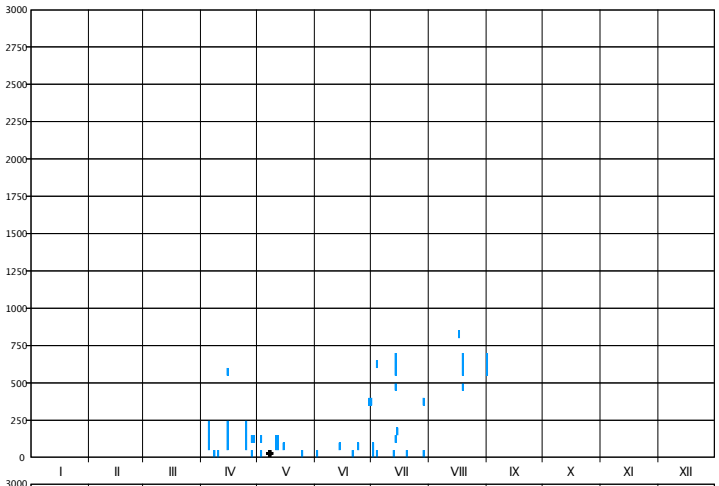


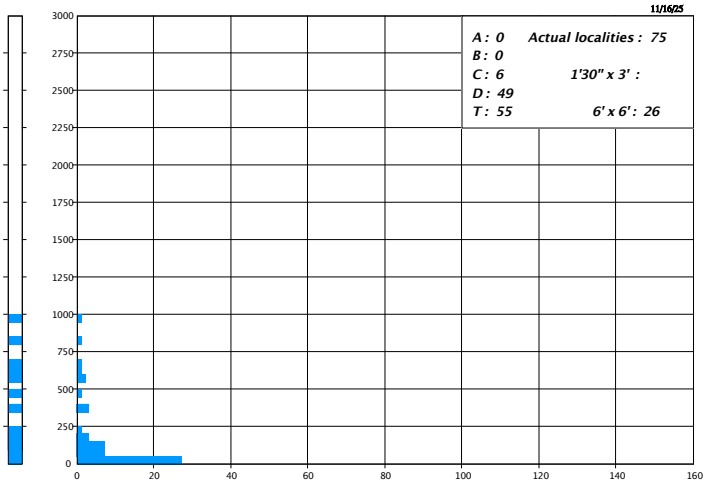
PIERIDAE *Pieris krueperi*

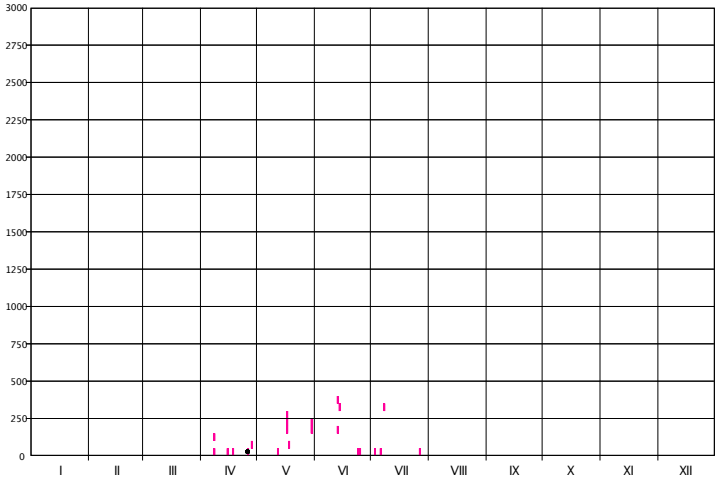


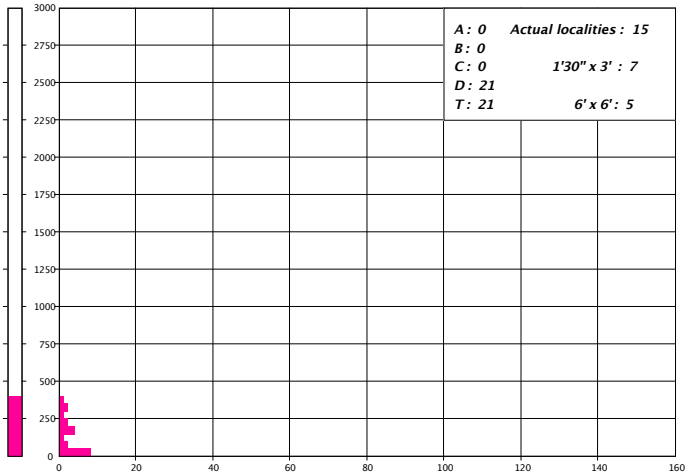


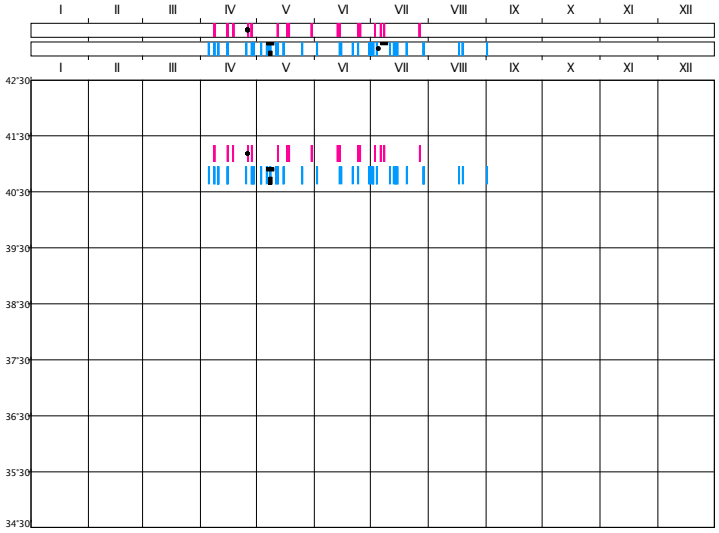

11/16/25
A : 204 Actual localities : 3811
B : 348
C : 689 1'30" x 3' :
D : 2220
T : 3461 6' x 6' : 845
1051
A : 46 Actual localities : 512
B : 305
C : 400 1'30" x 3' : 383
D : 329
T : 1080 6' x 6' : 248
PIERIDAE Pontia edusa
a : 1786
b : 937
b / a : 52.46%



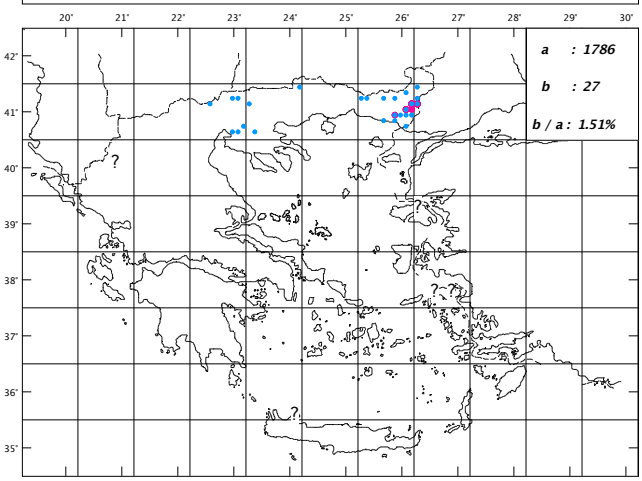


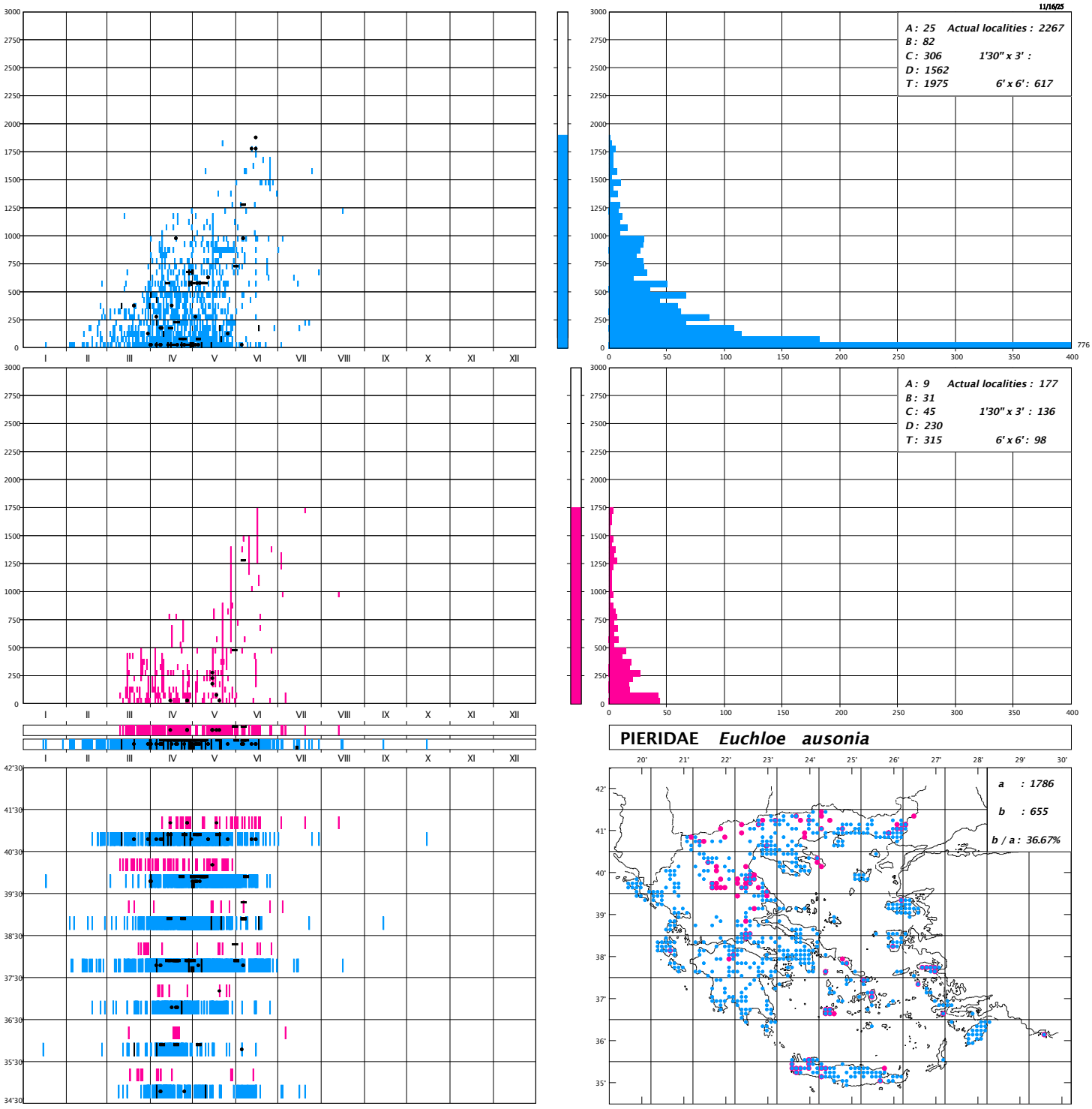


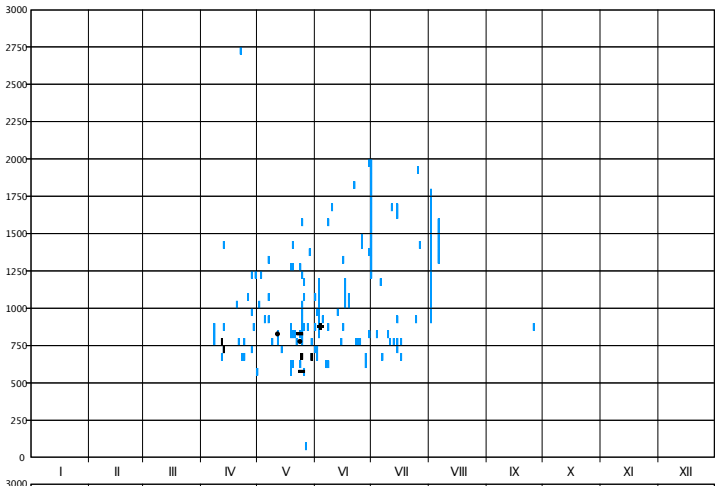


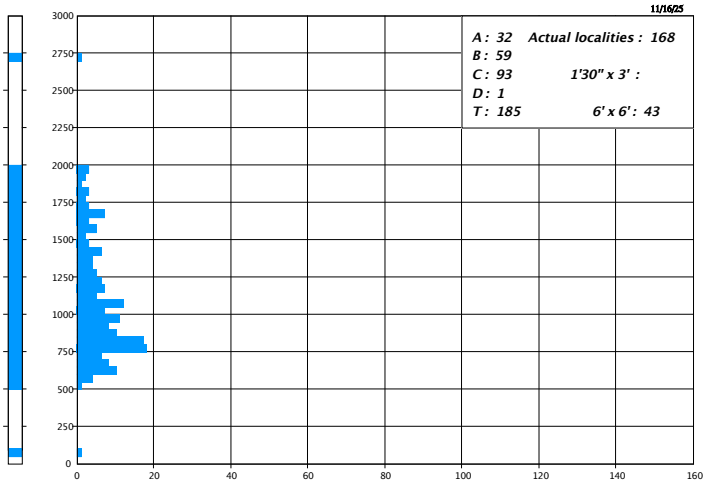


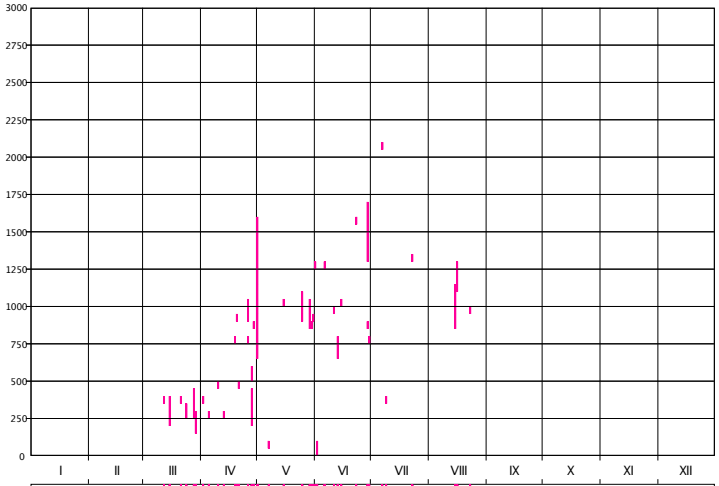
PIERIDAE *Pontia chloridice*

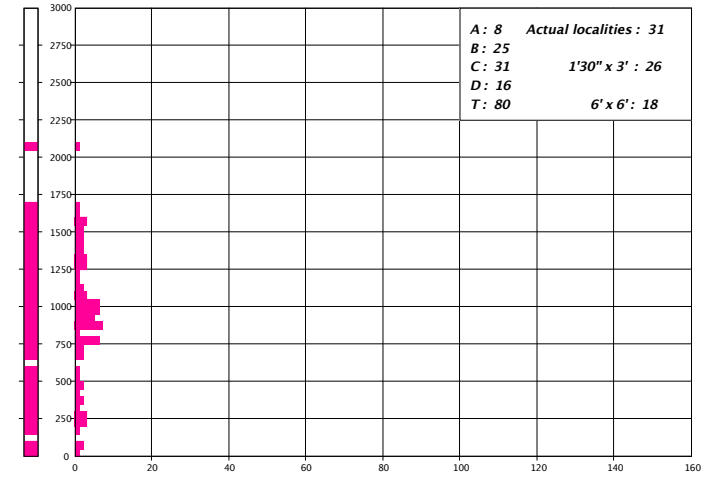


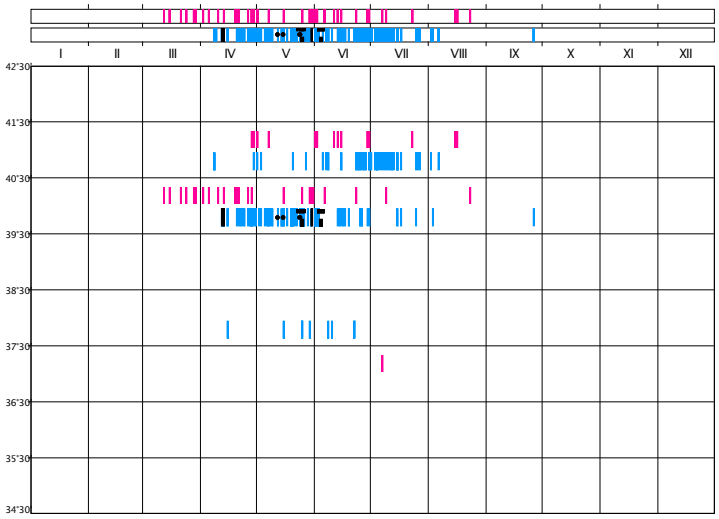

11/16/25
A : 25 Actual localities : 2267
B : 82
C : 306 1'30" x 3' :
D : 1562
T : 1975 6' x 6' : 617
776
A : 9 Actual localities : 177
B : 31
C : 45 1'30" x 3' : 136
D : 230
T : 315 6' x 6' : 98
PIERIDAE Euchloe ausonia
a : 1786
b : 655
b / a : 36.67%



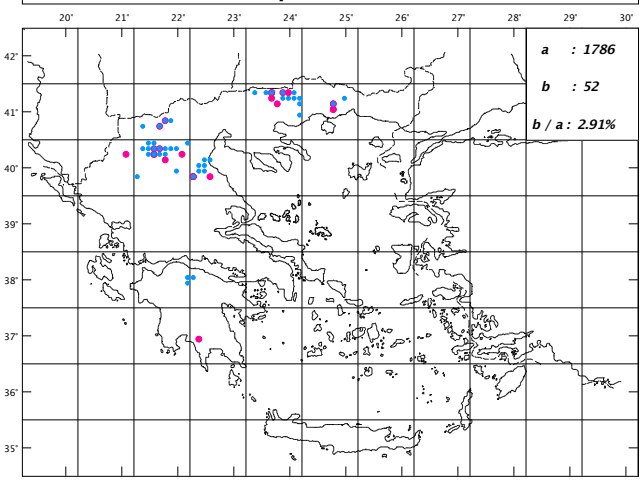


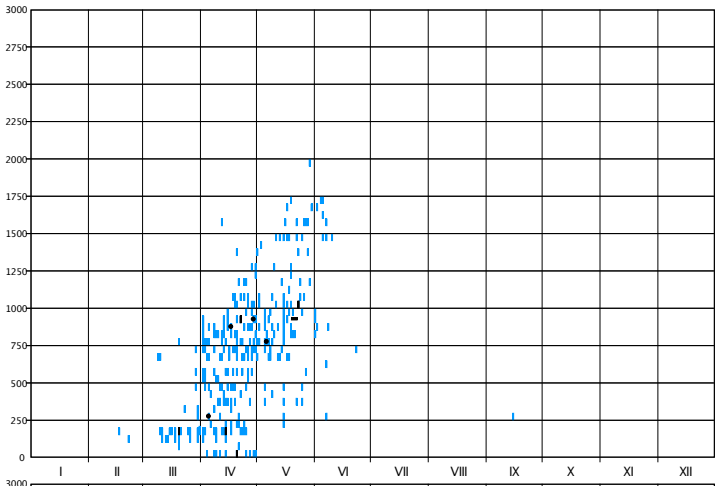


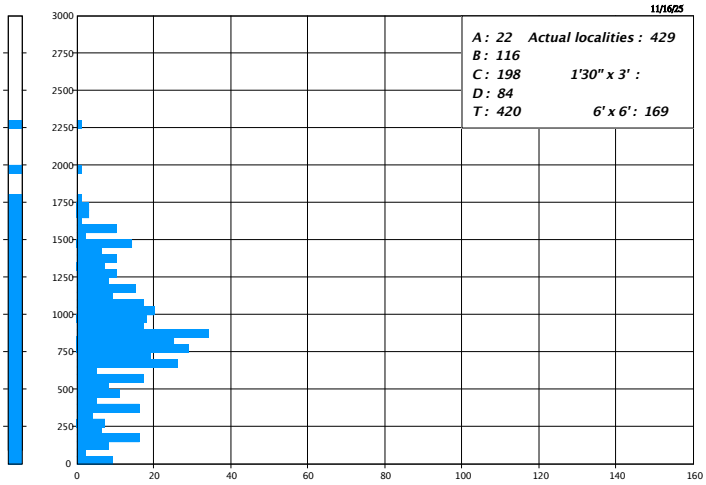


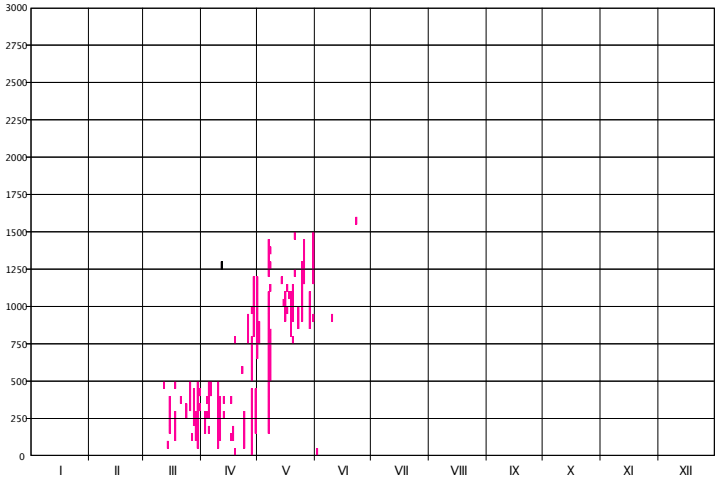


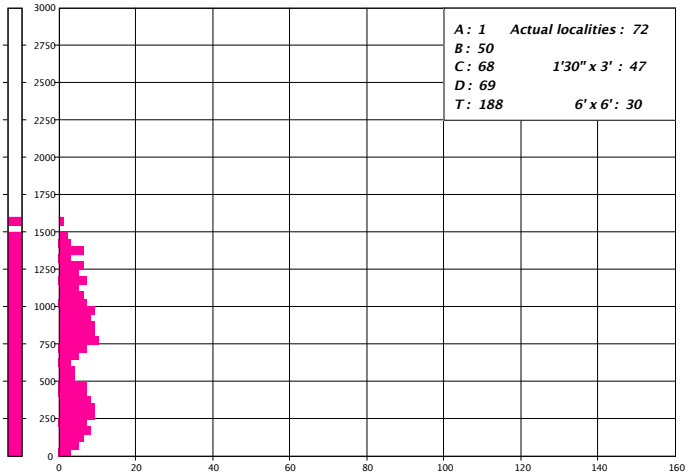
PIERIDAE *Euchloe penia*

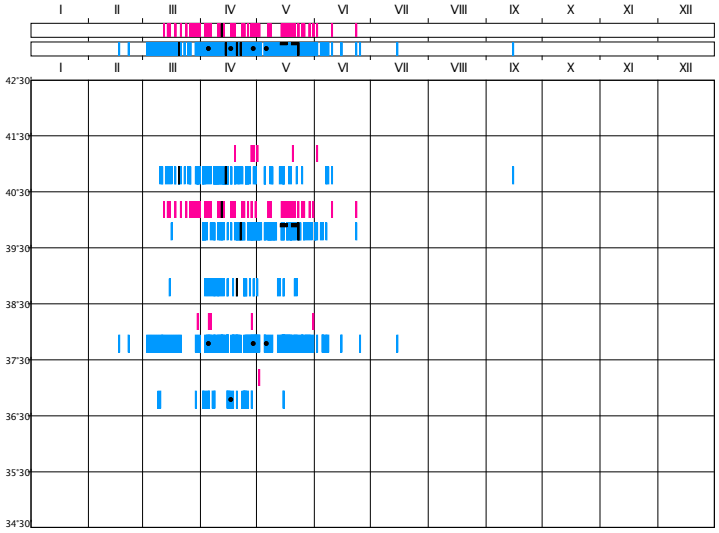




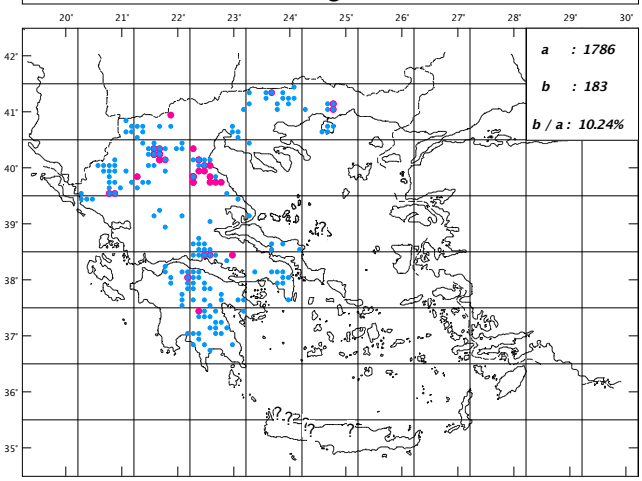


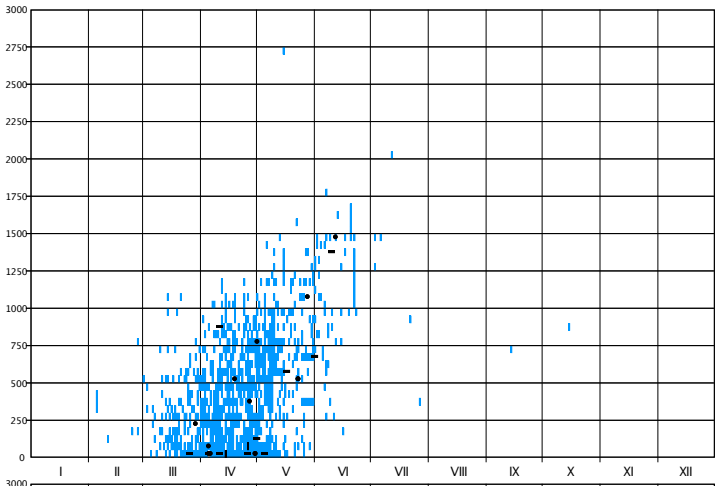


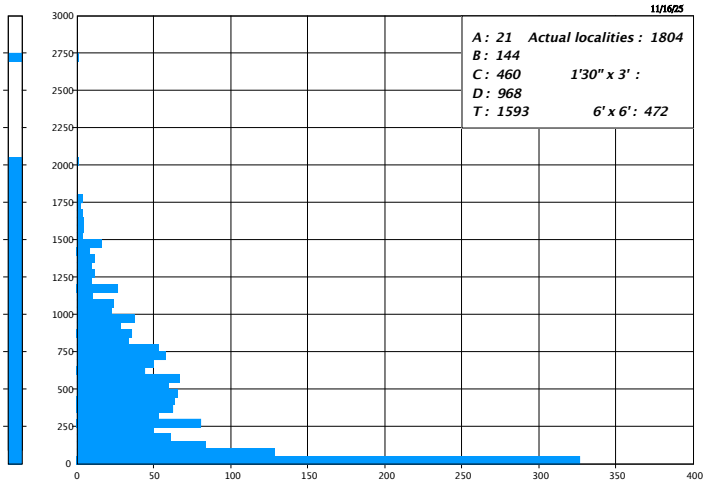


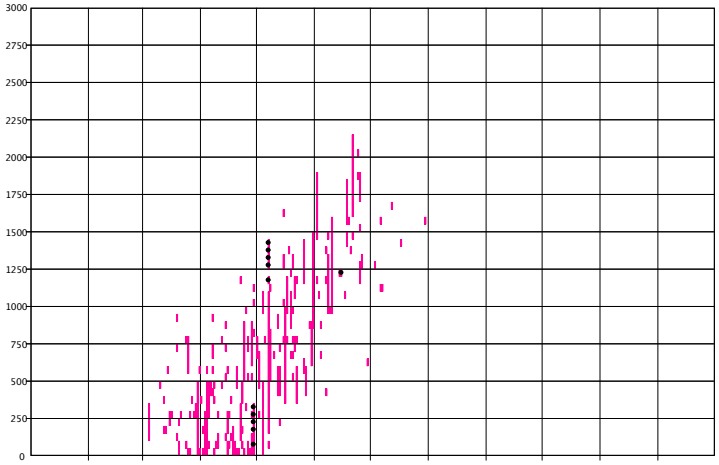


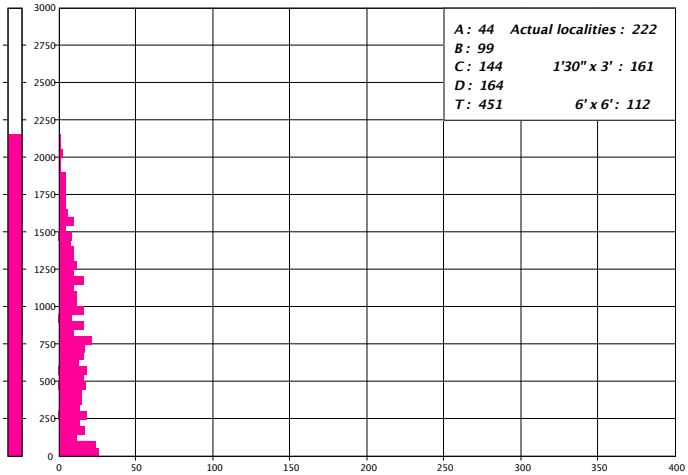
PIERIDAE *Anthocharis gruneri*

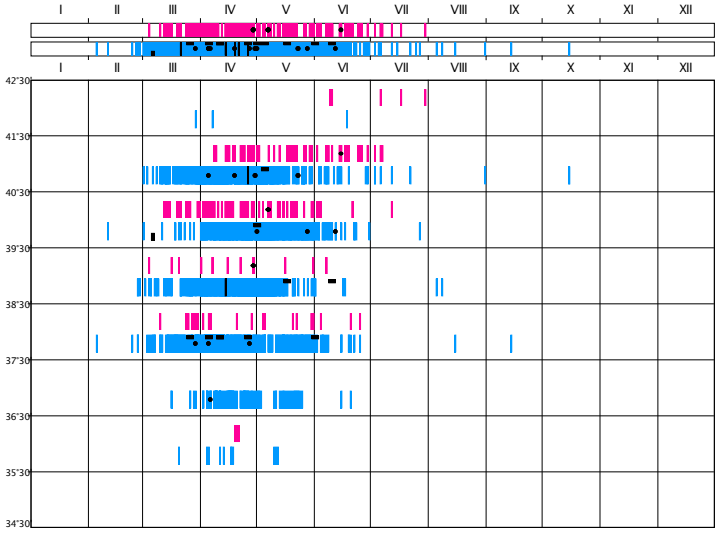




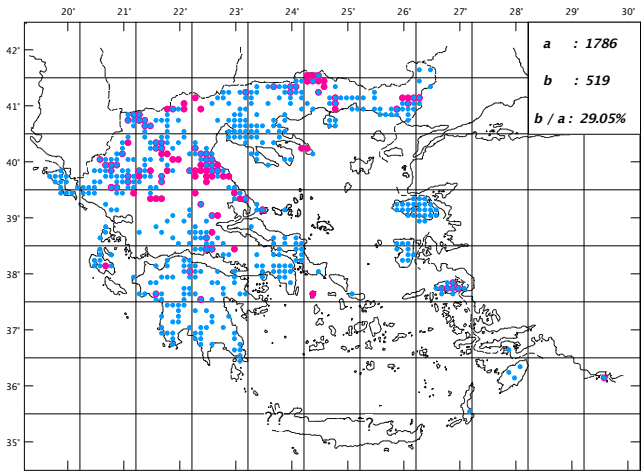


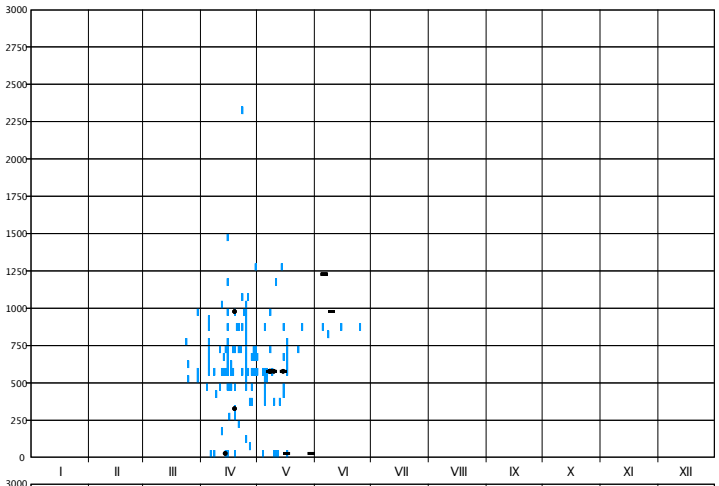


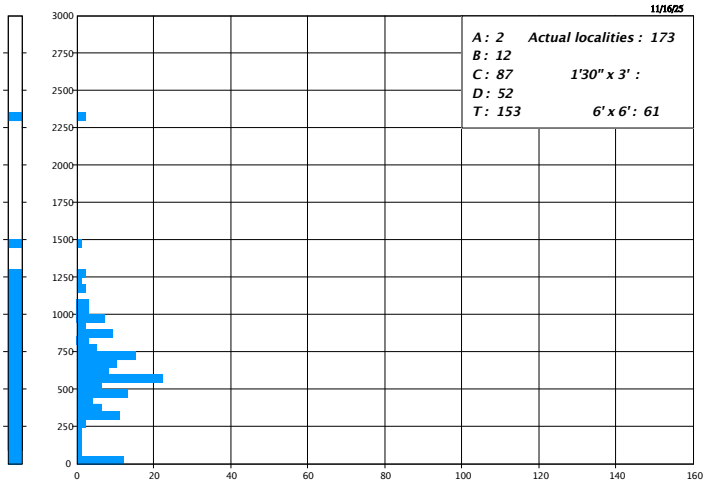


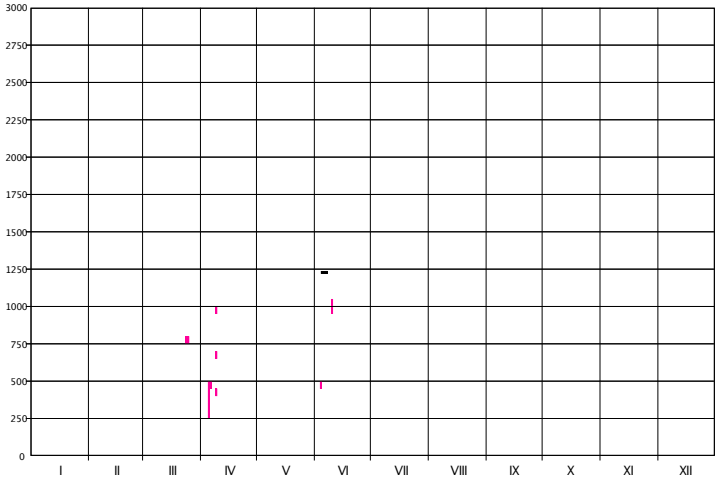


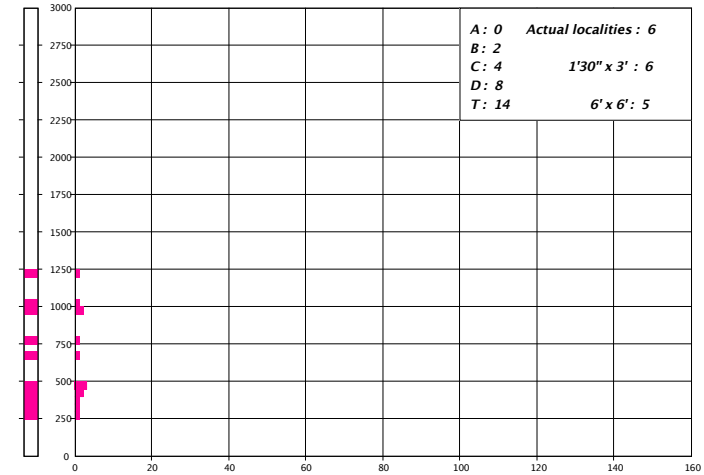
PIERIDAE *Anthocharis cardamines*

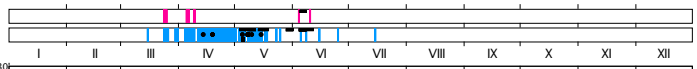




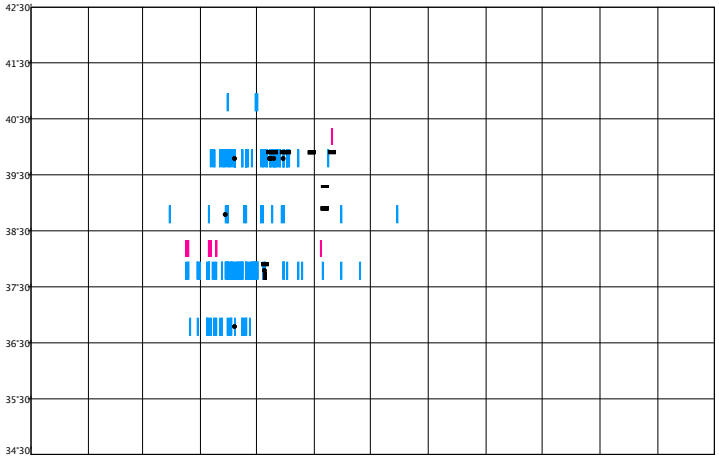


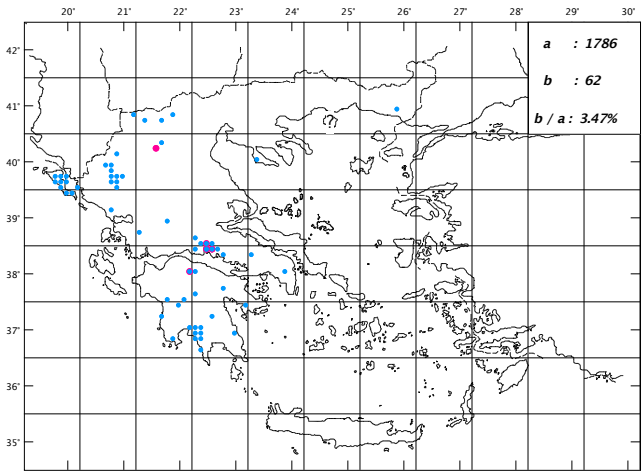


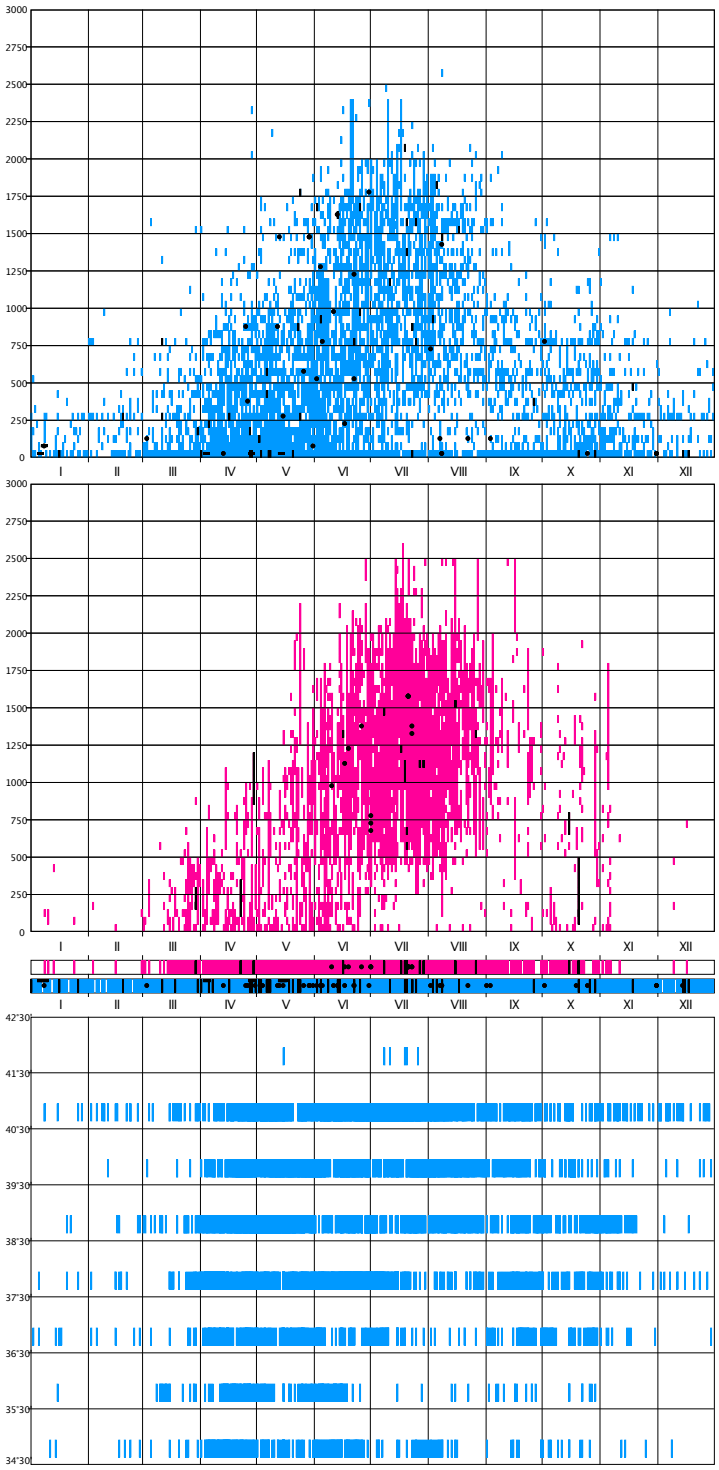




PIERIDAE *Anthocharis damone*



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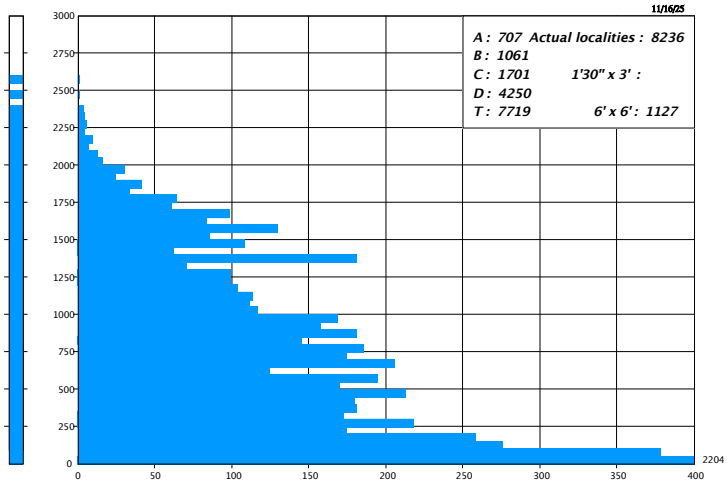
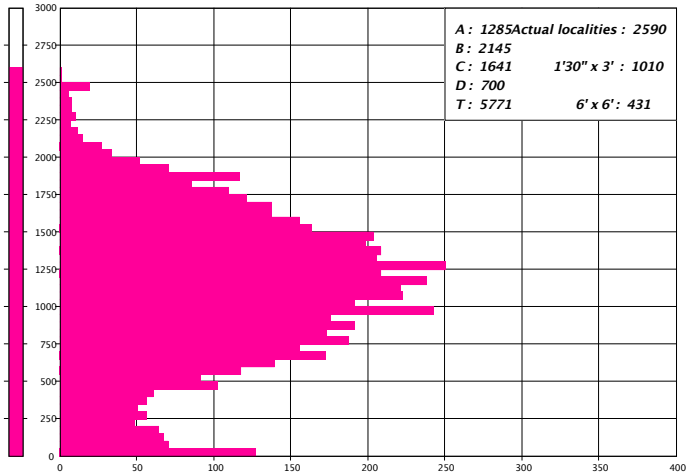
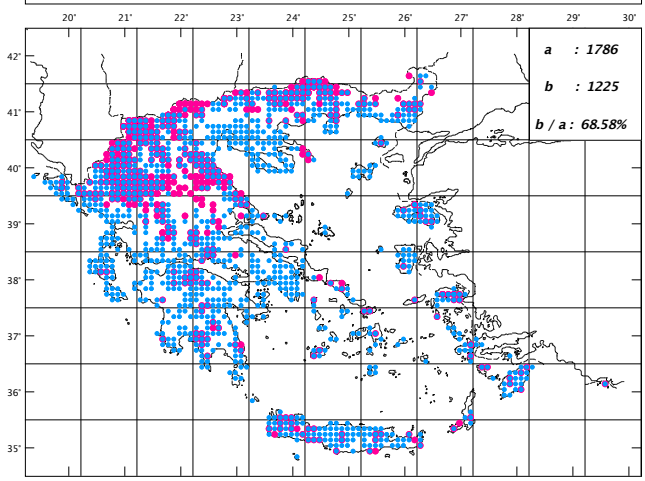
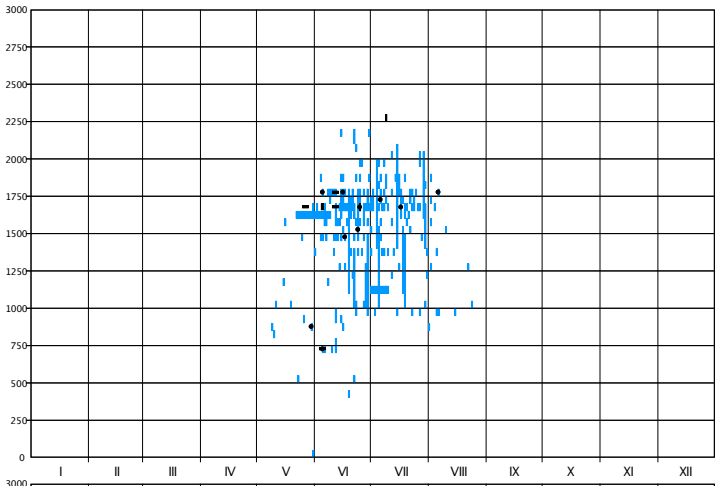
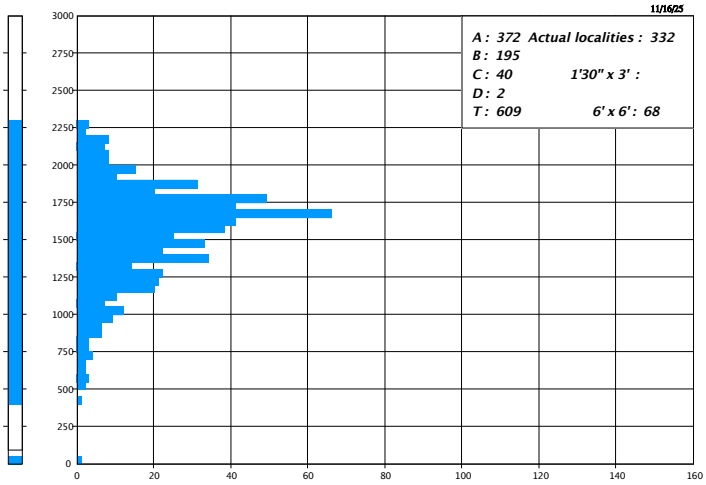


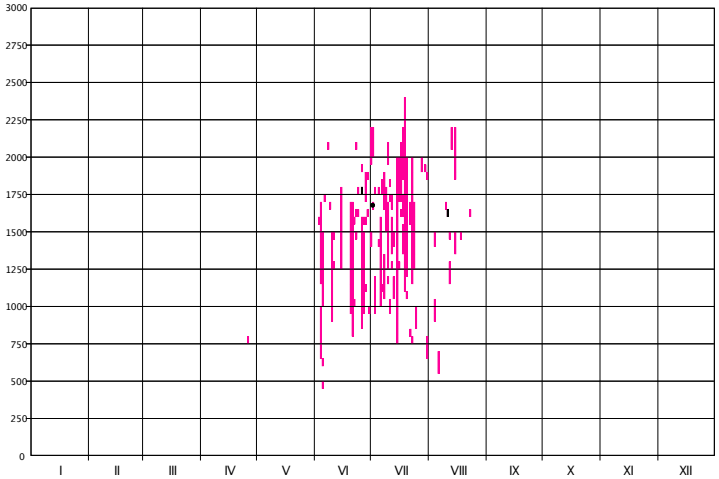


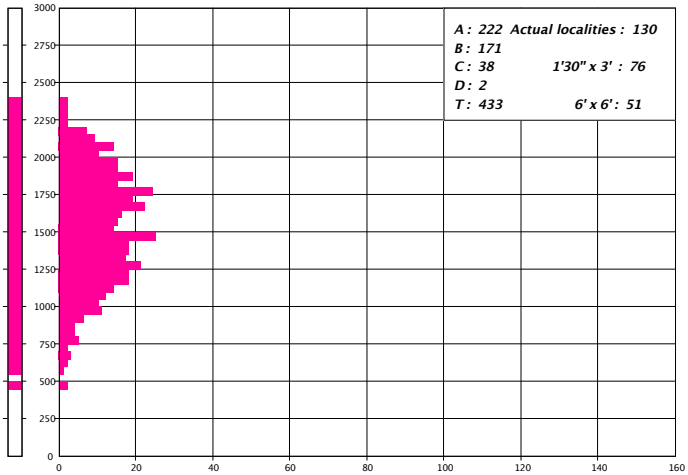
PIERIDAE ***Colias crocea***



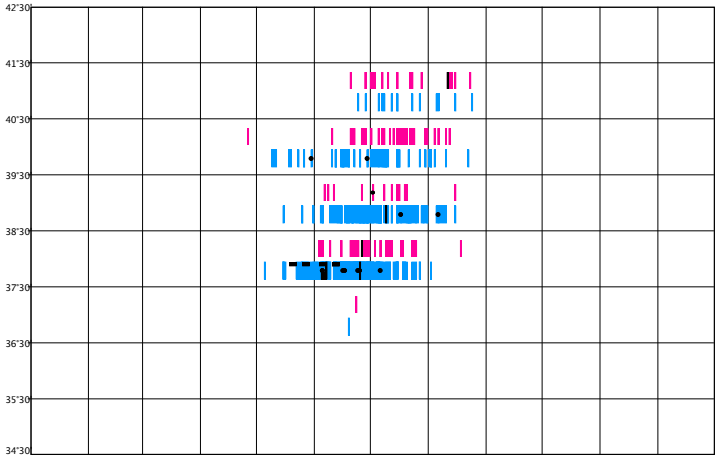


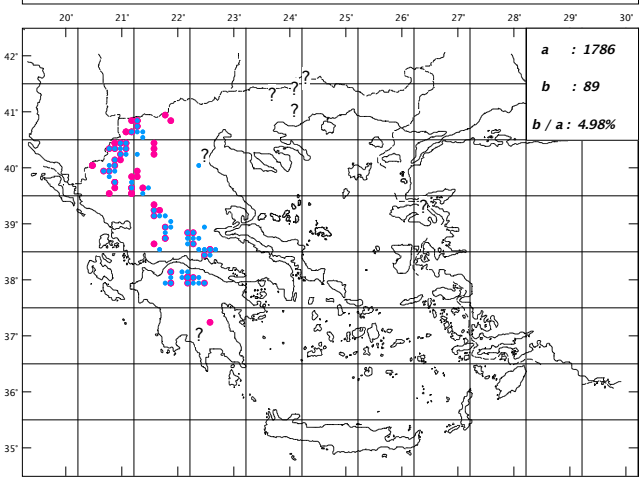


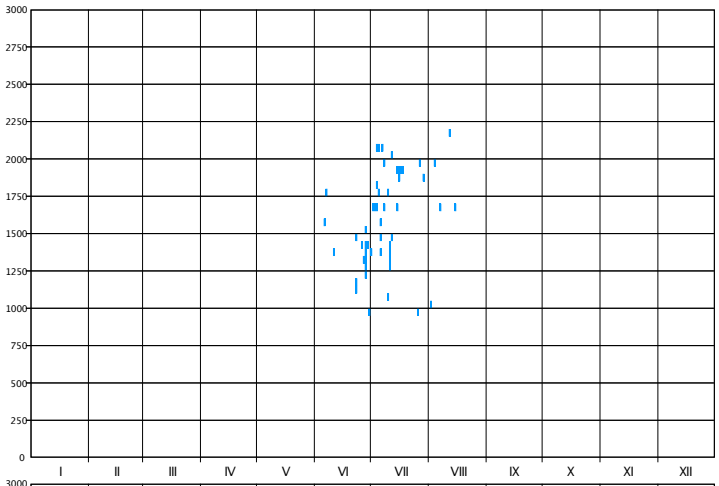


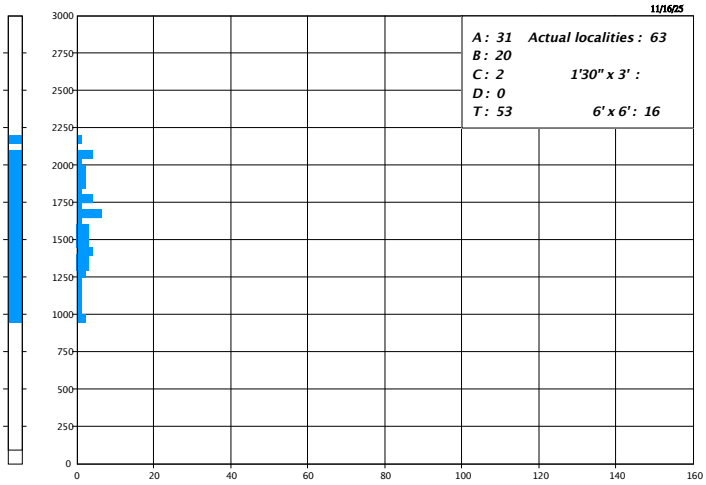


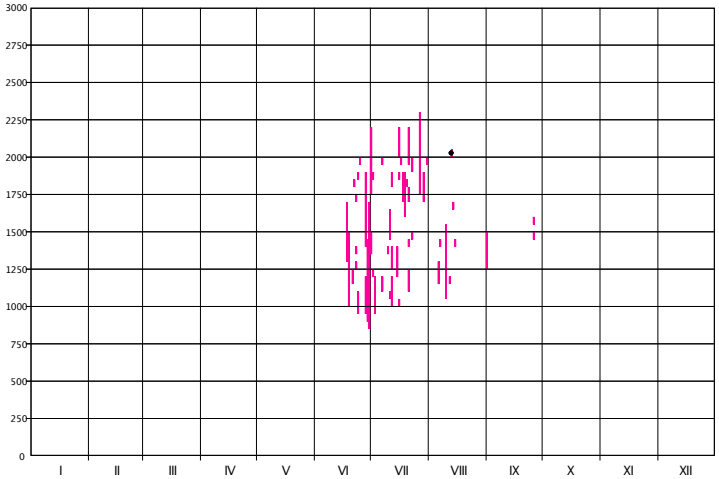
PIERIDAE *Colias aurorina*

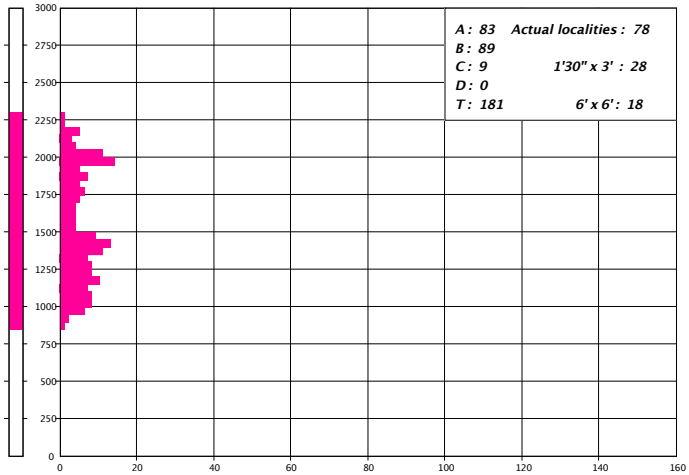


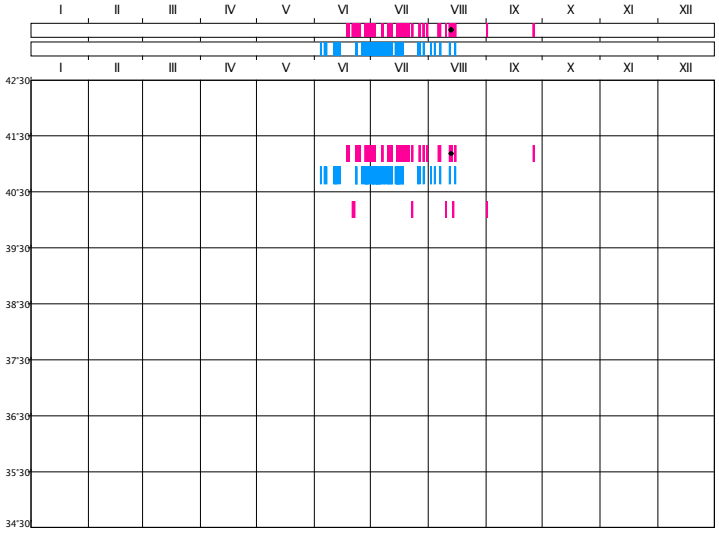




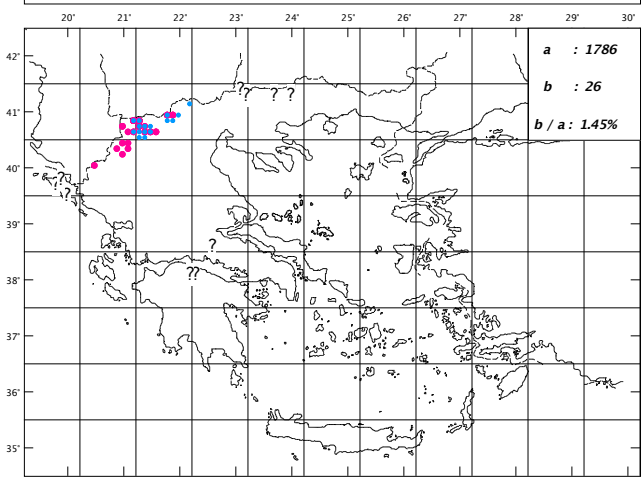


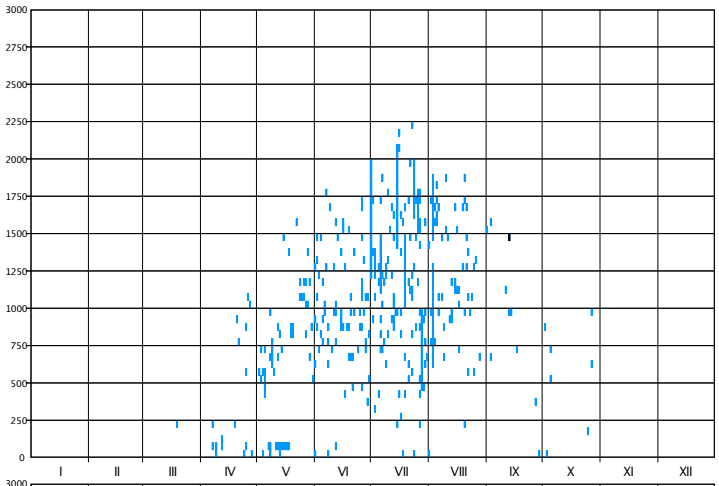


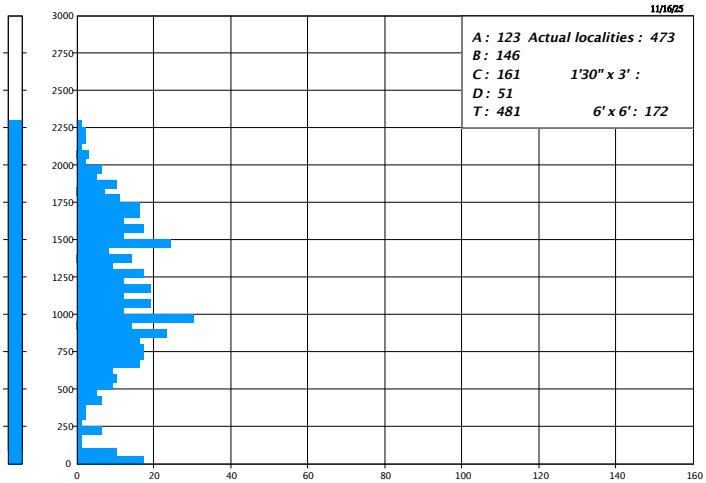


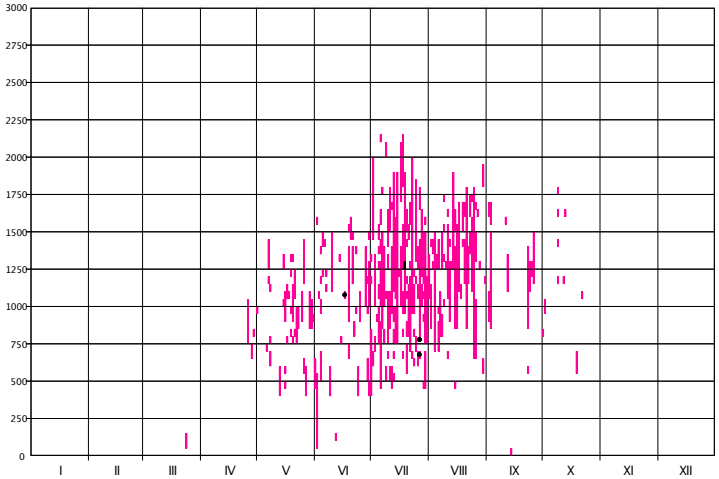


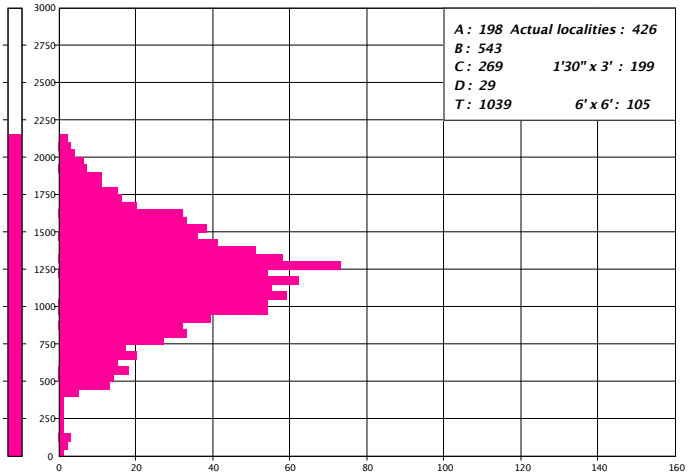
PIERIDAE *Colias caucasica*

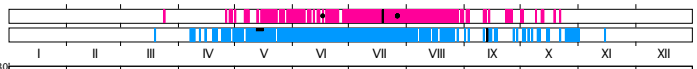




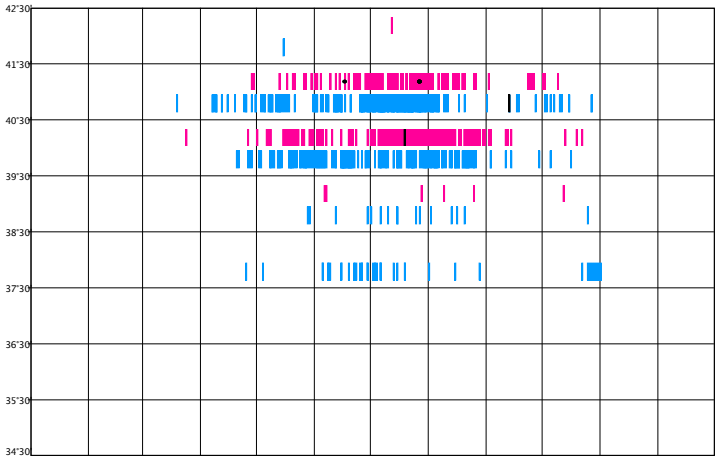


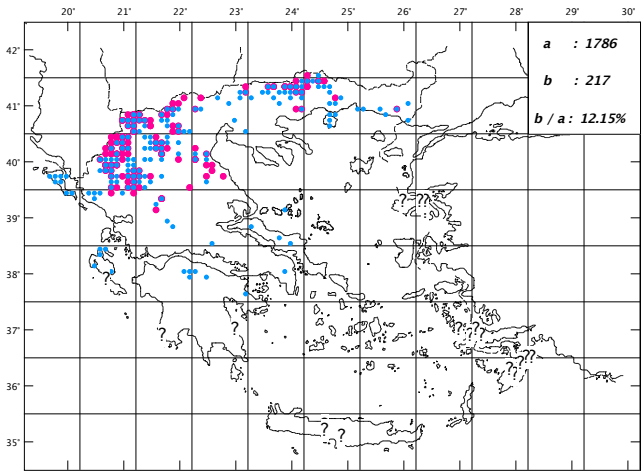


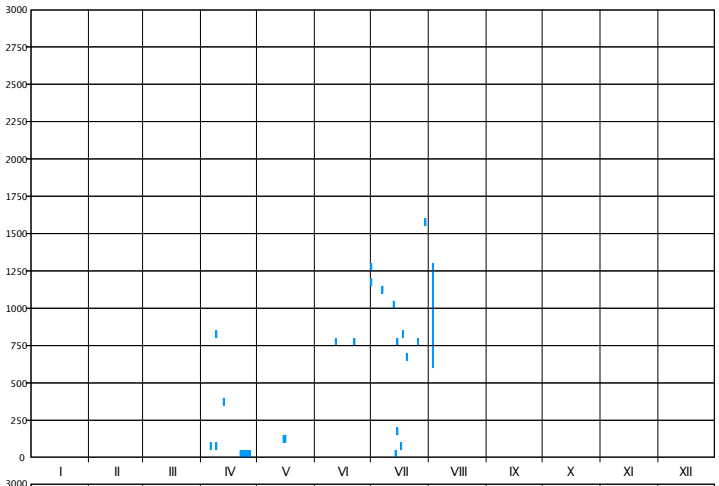


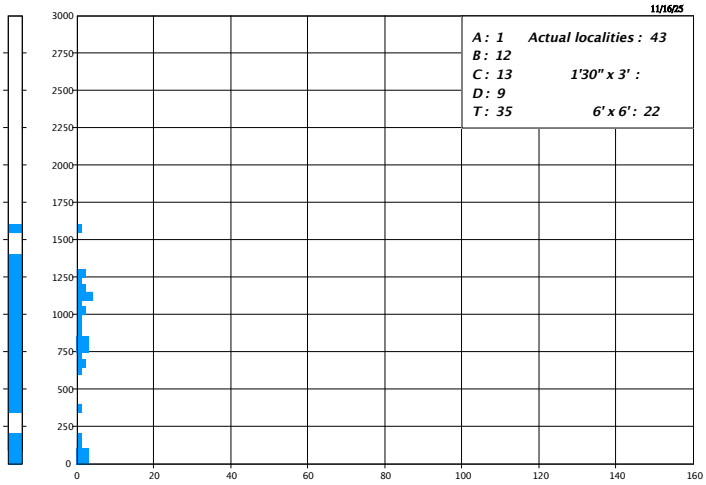


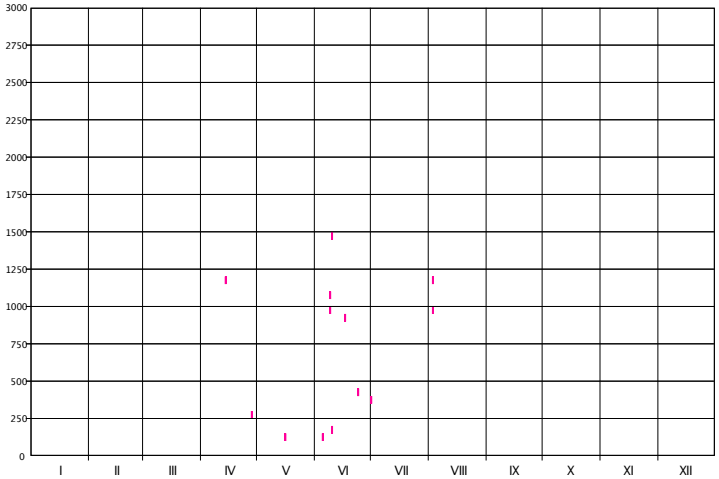
PIERIDAE *Colias alfacariensis*

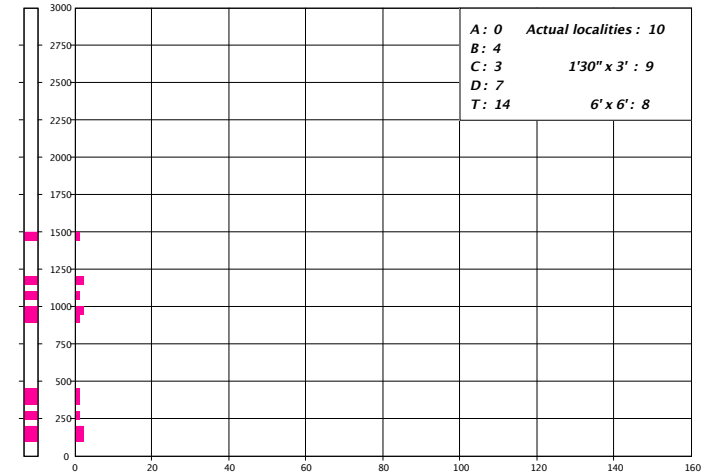


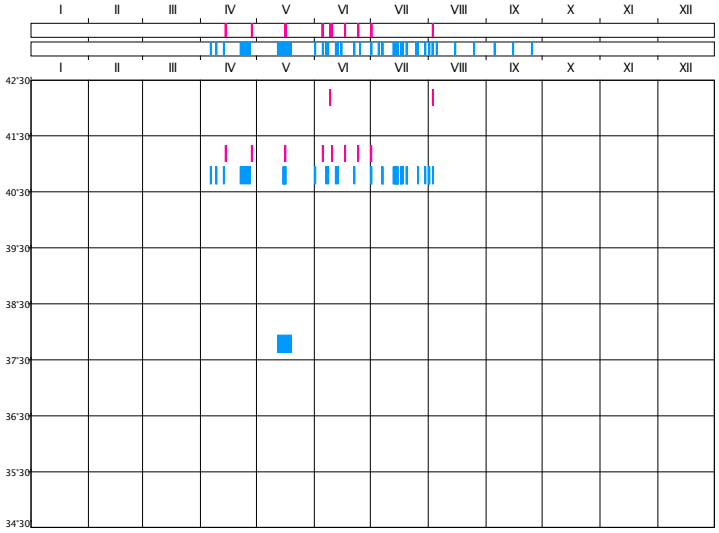




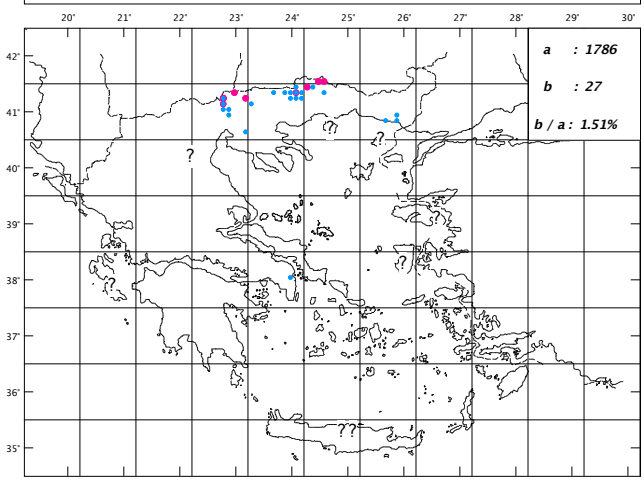


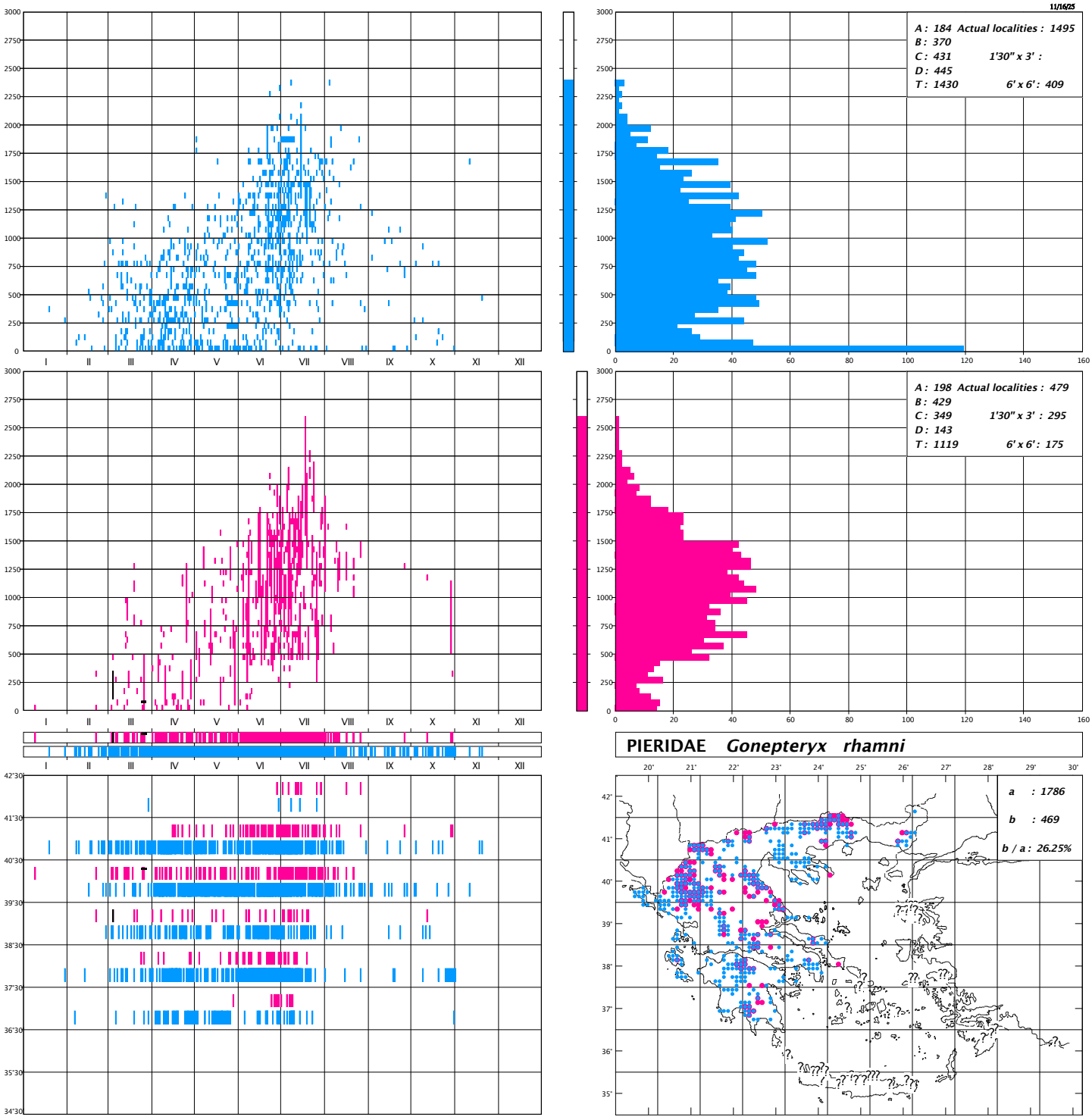


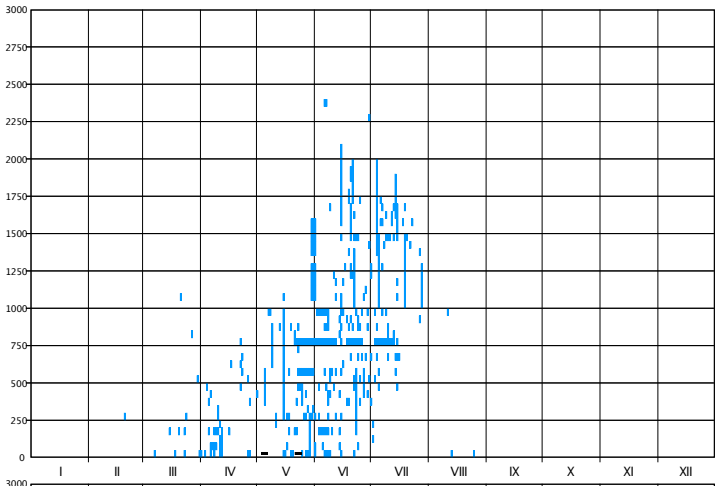


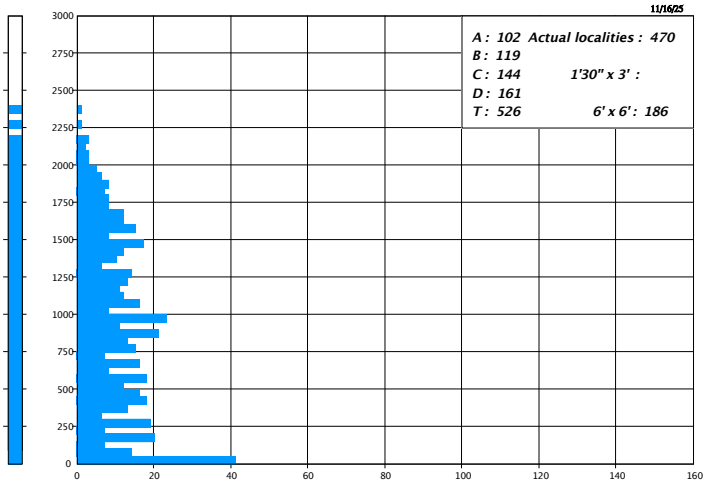


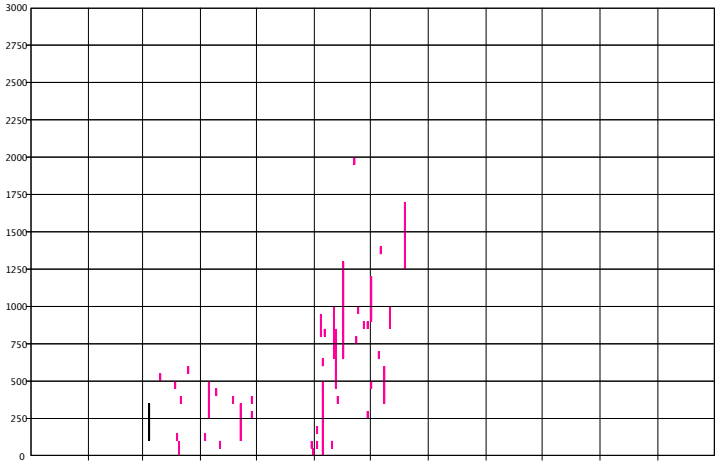
PIERIDAE *Colias erate*

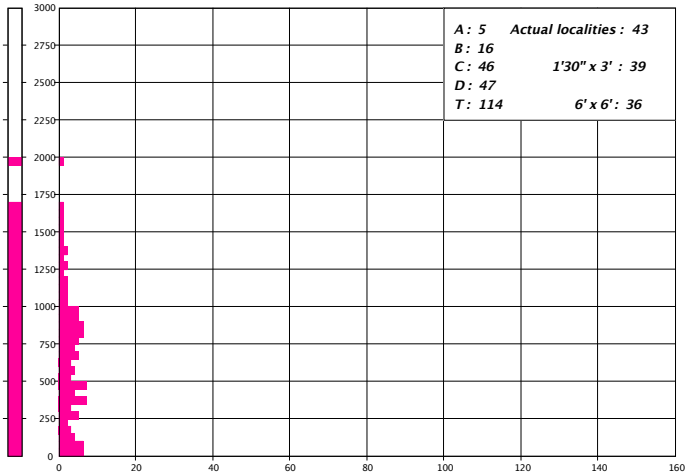


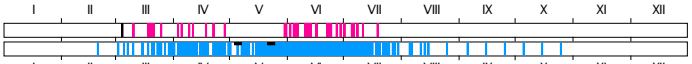

11/16/25
A : 184 Actual localities : 1495
B : 370
C : 431 1'30" x 3' :
D : 445
T : 1430 6' x 6' : 409
A : 198 Actual localities : 479
B : 429
C : 349 1'30" x 3' : 295
D : 143
T : 1119 6' x 6' : 175
PIERIDAE Gonepteryx rhamni
a : 1786
b : 469
b / a : 26.25%

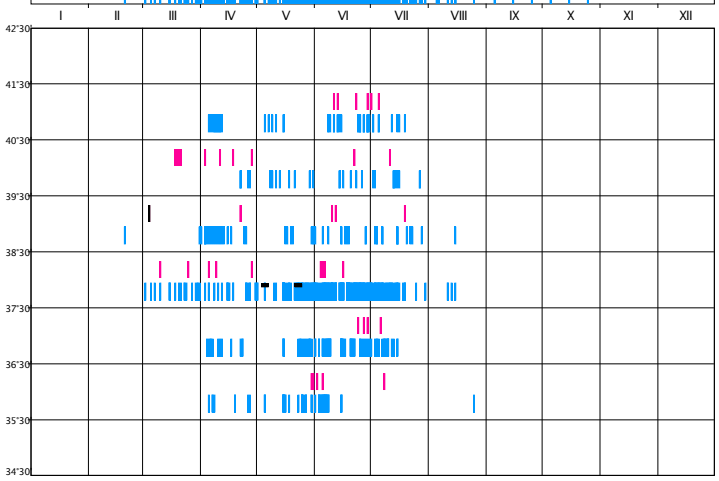




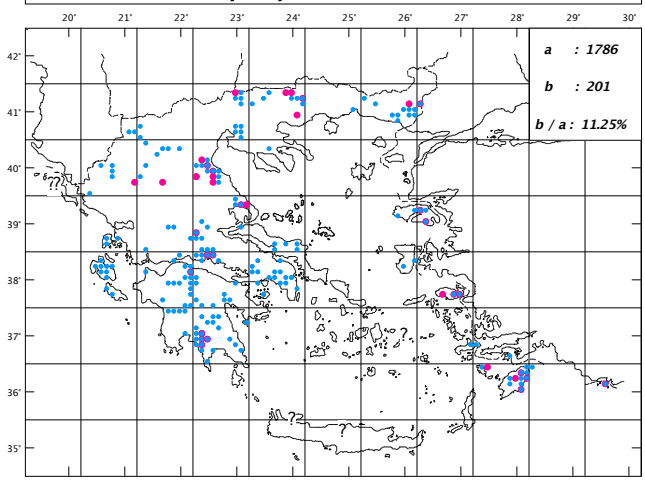


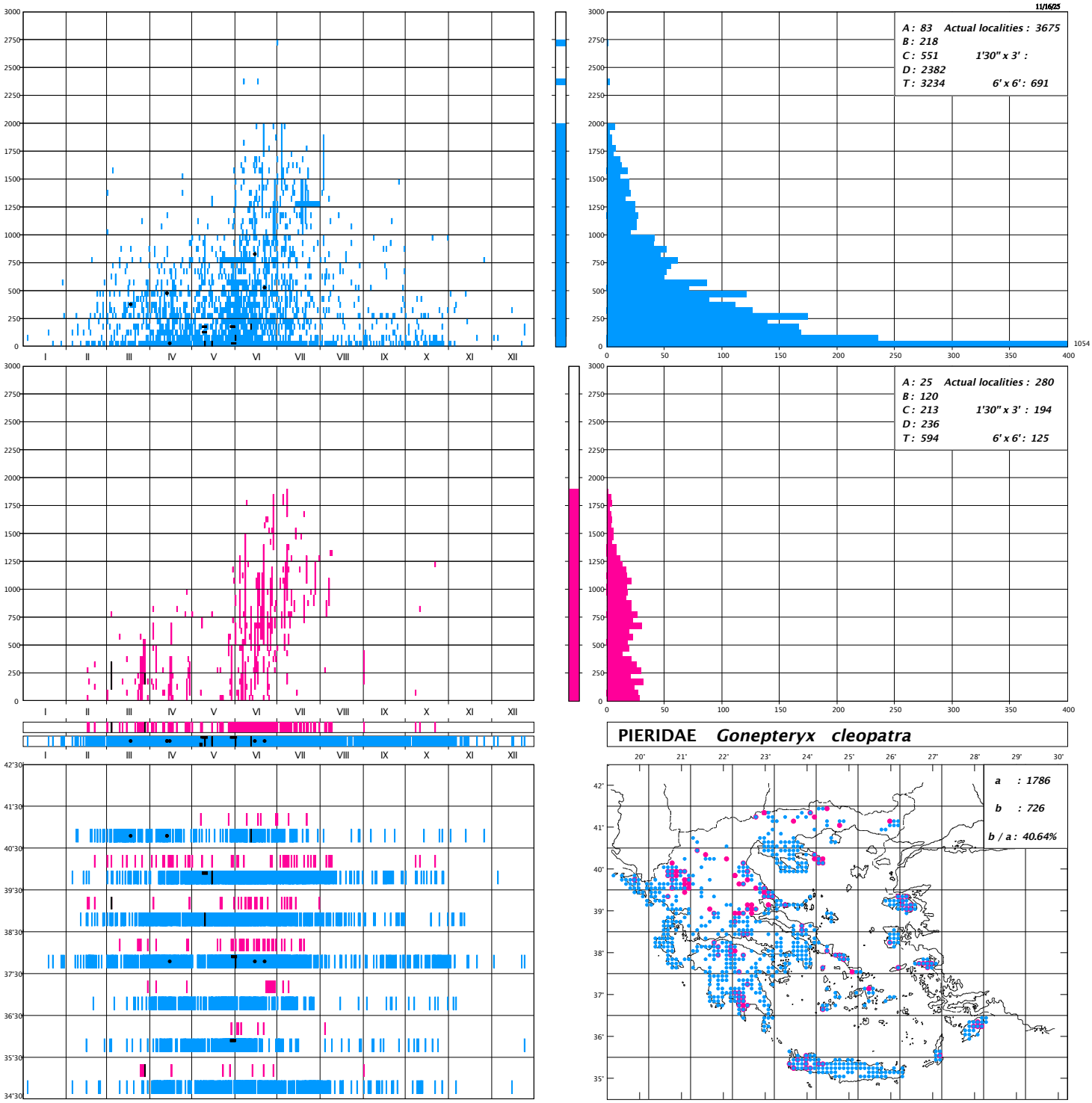


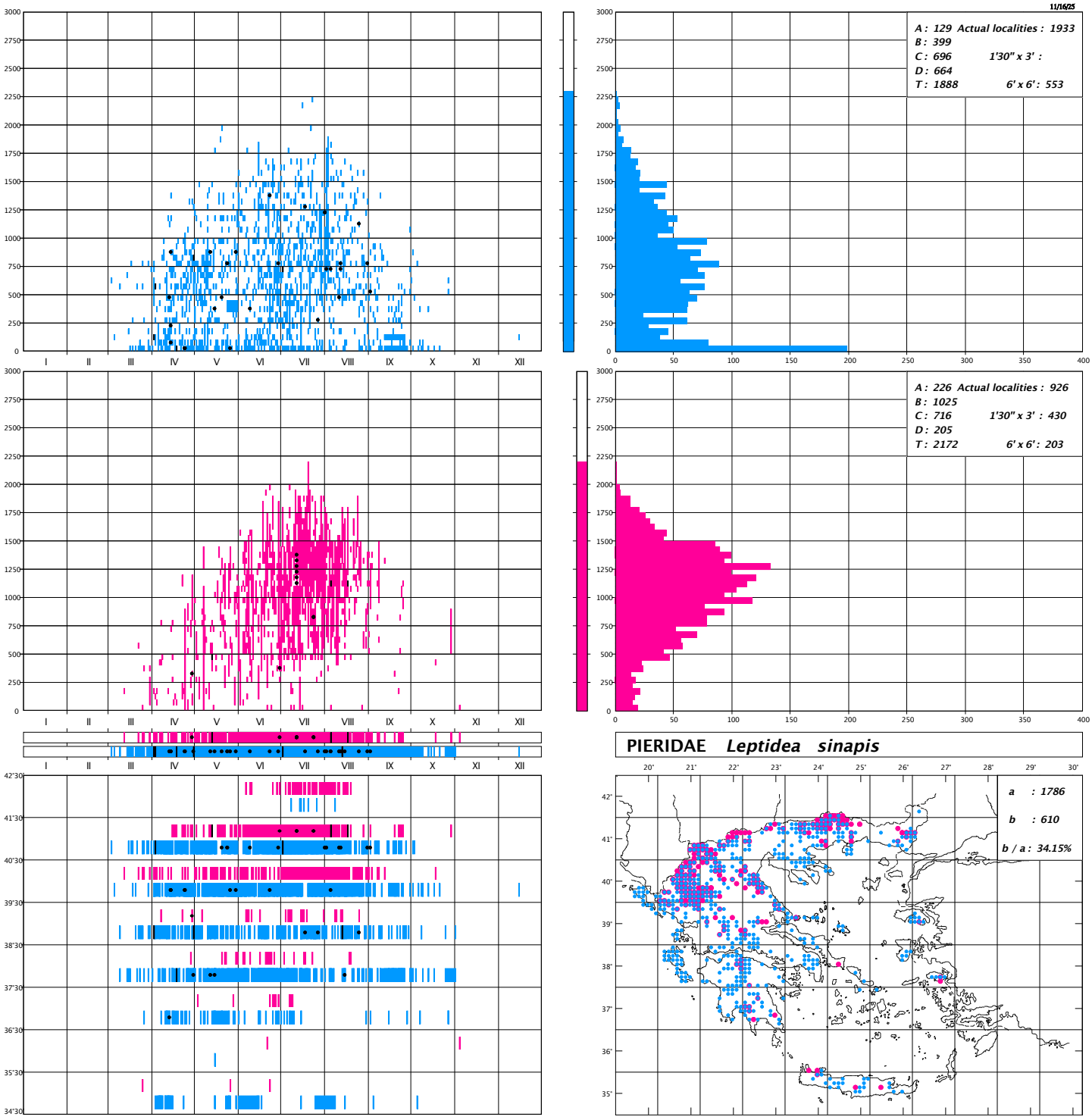


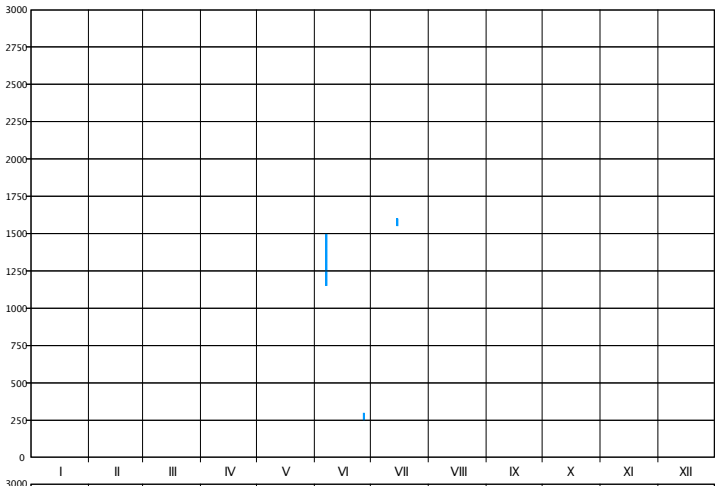


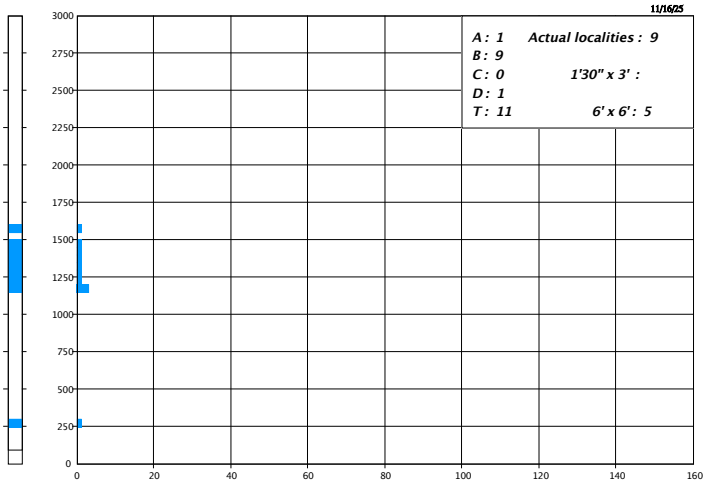
PIERIDAE *Gonepteryx farinosa*

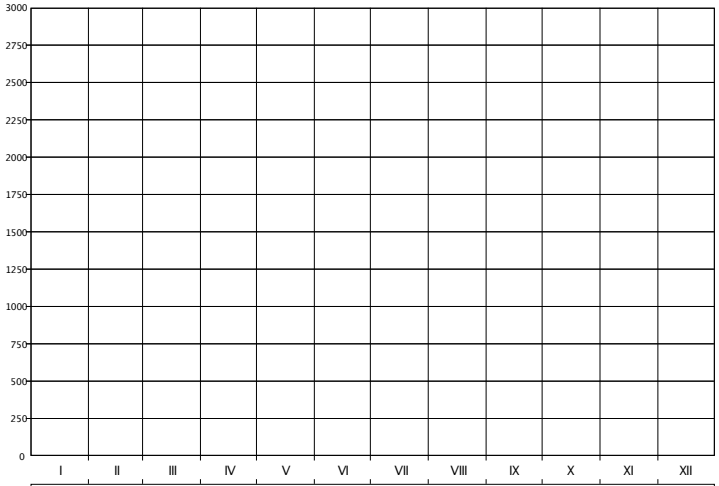


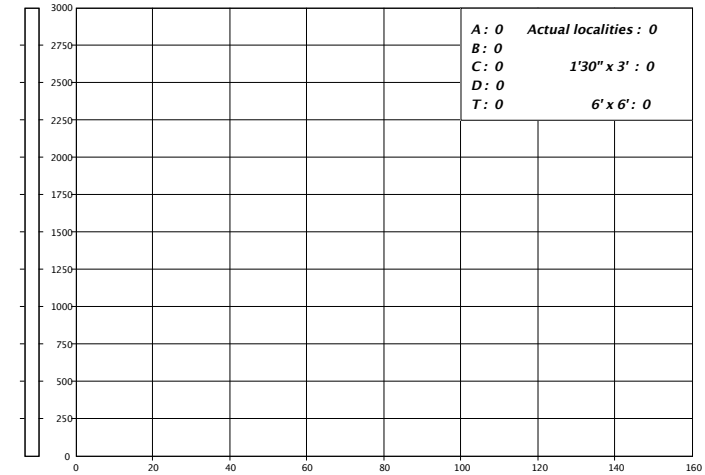

11/16/25
A : 83 Actual localities : 3675
B : 218
C : 551 1'30" x 3' :
D : 2382
T : 3234 6' x 6' : 691
1054
A : 25 Actual localities : 280
B : 120
C : 213 1'30" x 3' : 194
D : 236
T : 594 6' x 6' : 125
PIERIDAE Gonepteryx cleopatra
a : 1786
b : 726
b / a : 40.64%

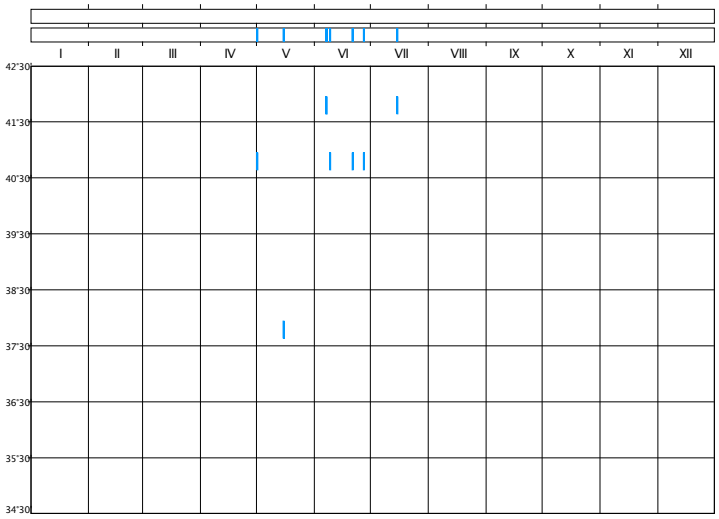

11/16/25
A : 129 Actual localities : 1933
B : 399
C : 696 1'30" x 3' :
D : 664
T : 1888 6' x 6' : 553
A : 226 Actual localities : 926
B : 1025
C : 716 1'30" x 3' : 430
D : 205
T : 2172 6' x 6' : 203
PIERIDAE Leptidea sinapis
a : 1786
b : 610
b / a : 34.15%



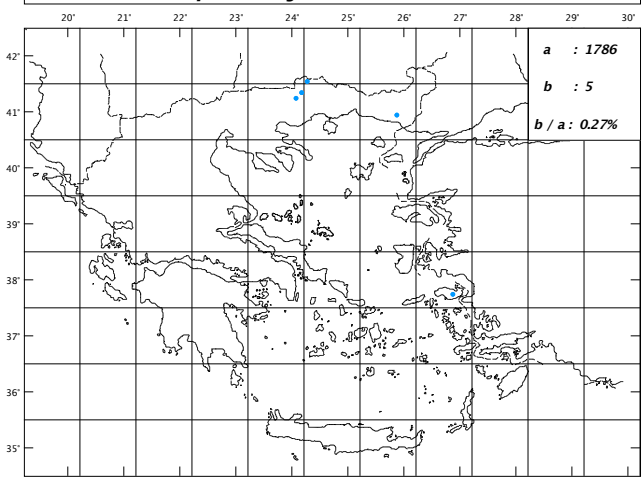


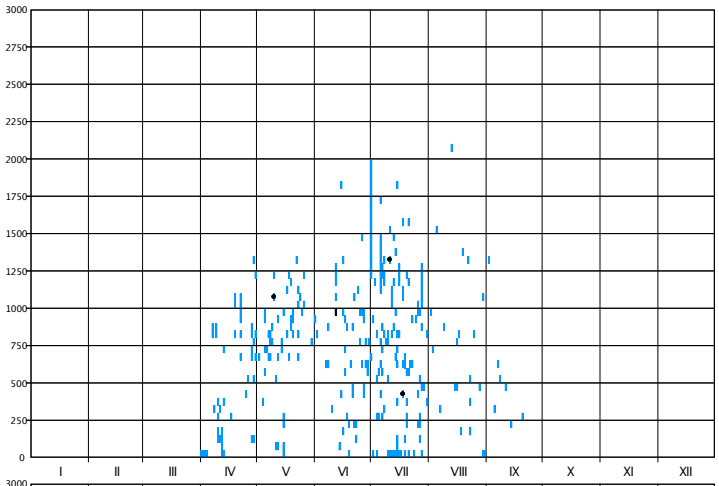


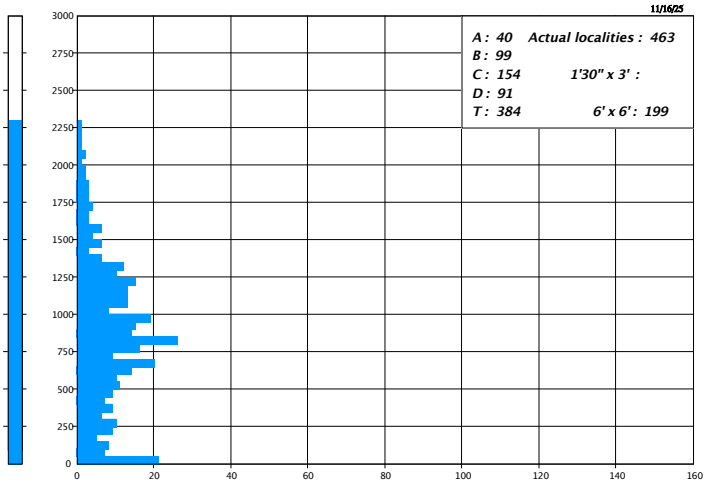


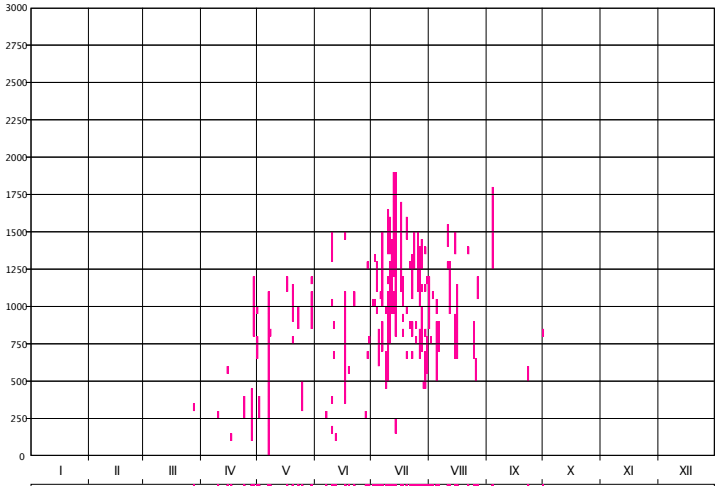


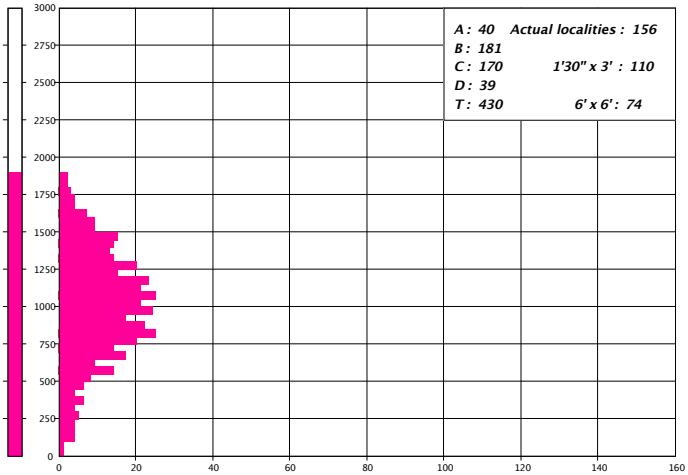
PIERIDAE ***Leptidea juvernica***

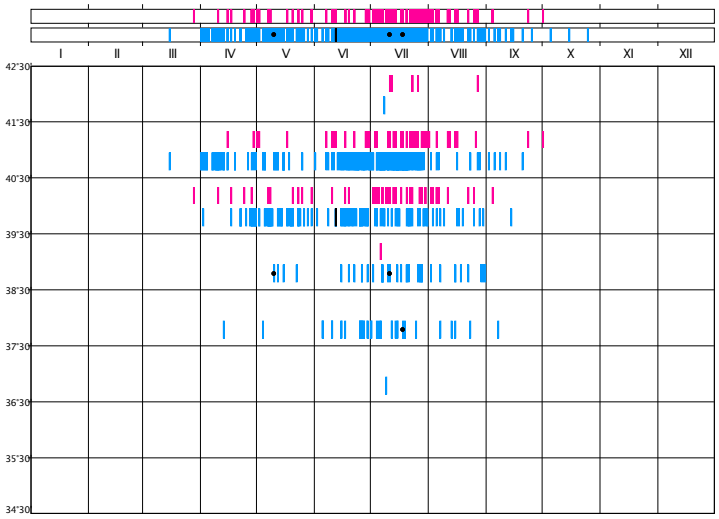




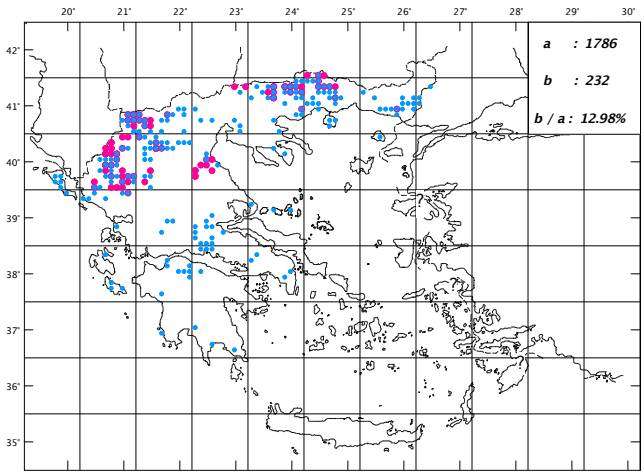


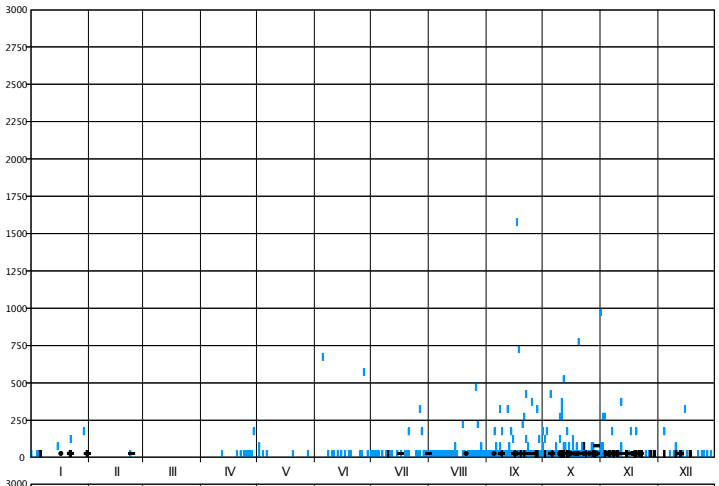


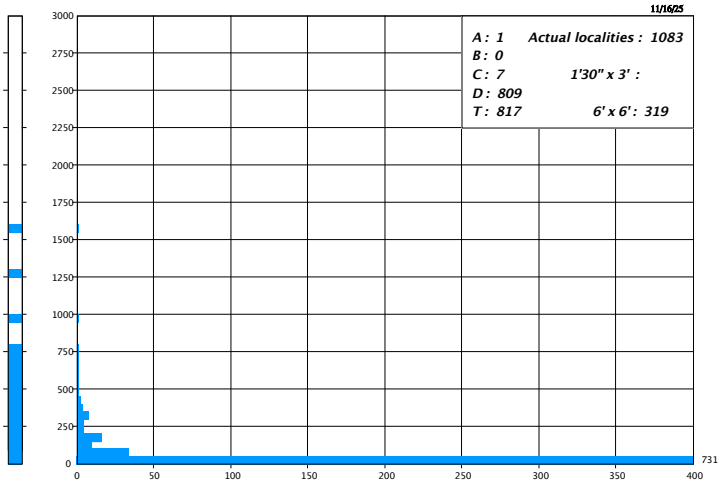


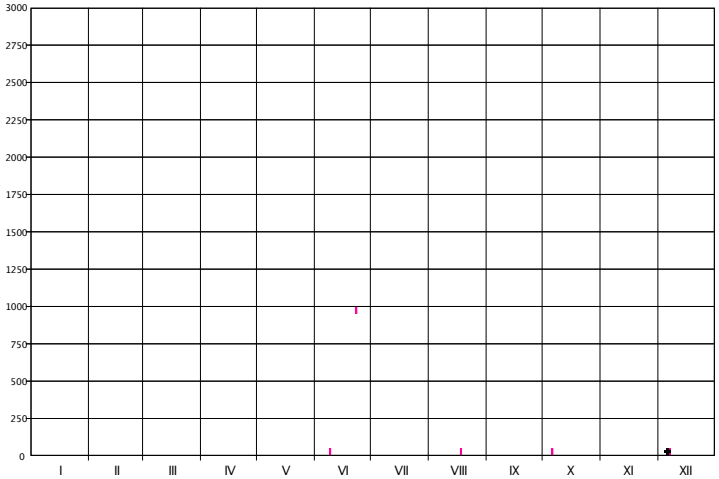


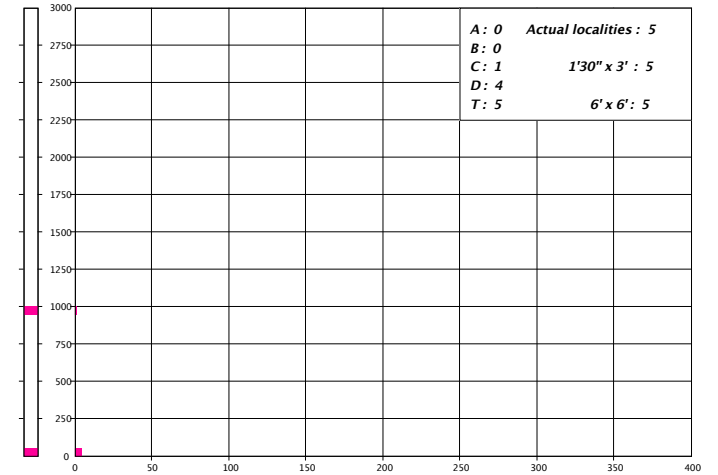
PIERIDAE ***Leptidea duponcheli***

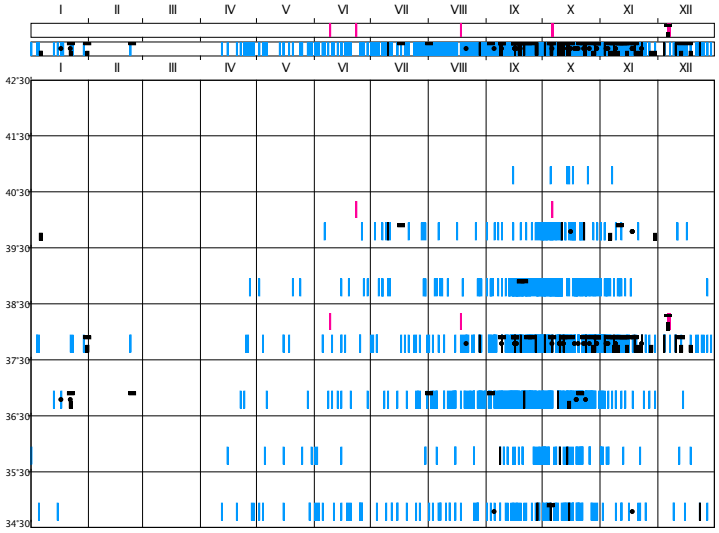




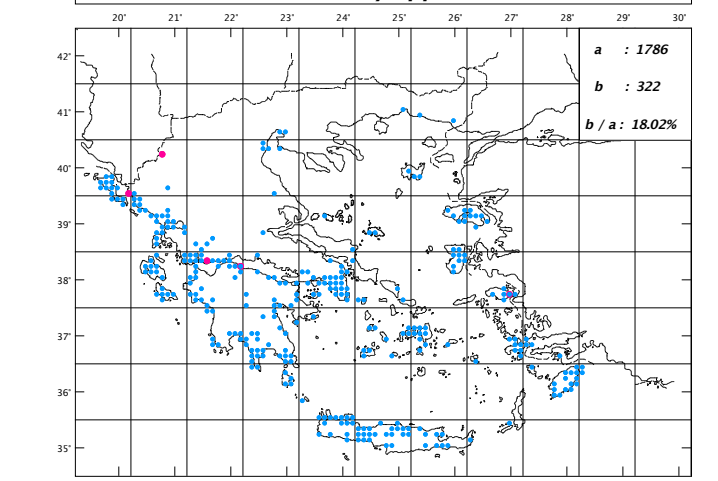


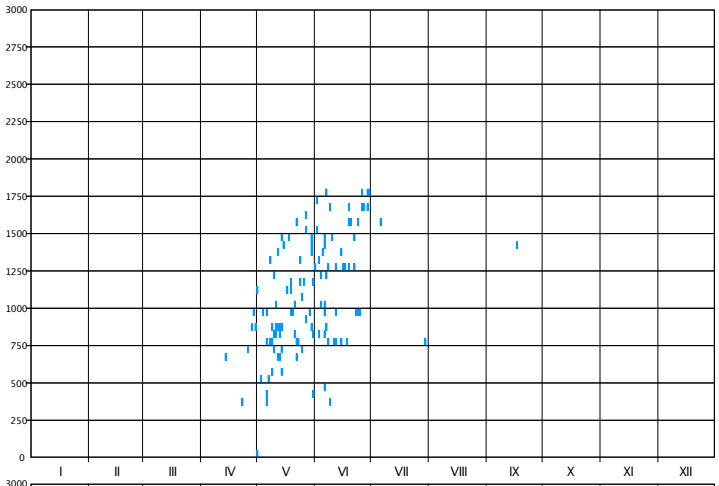


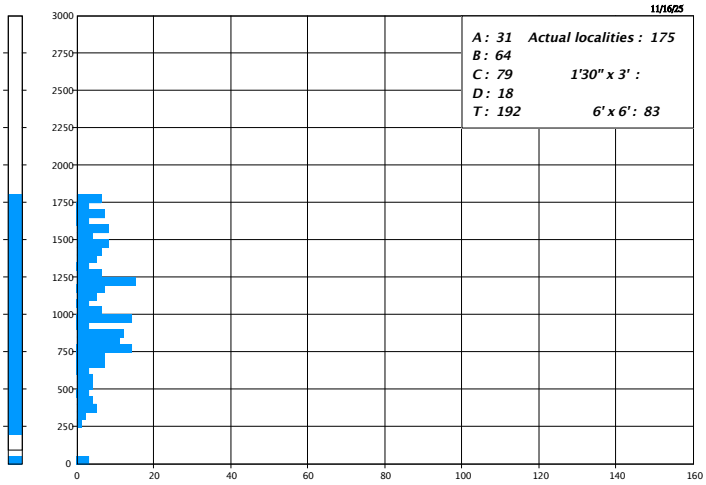


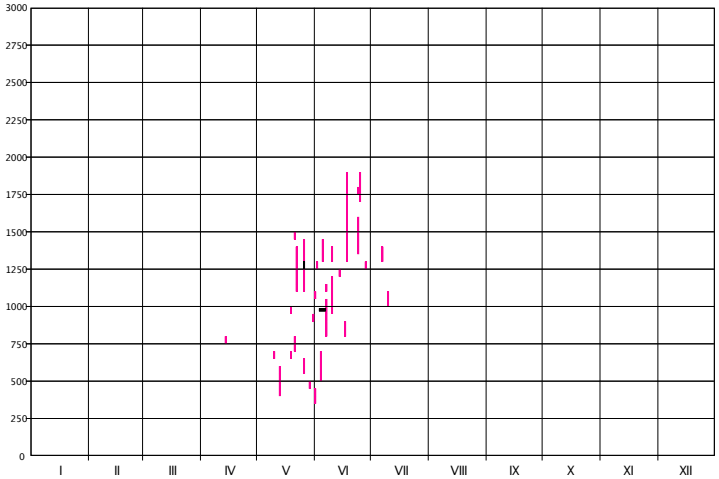


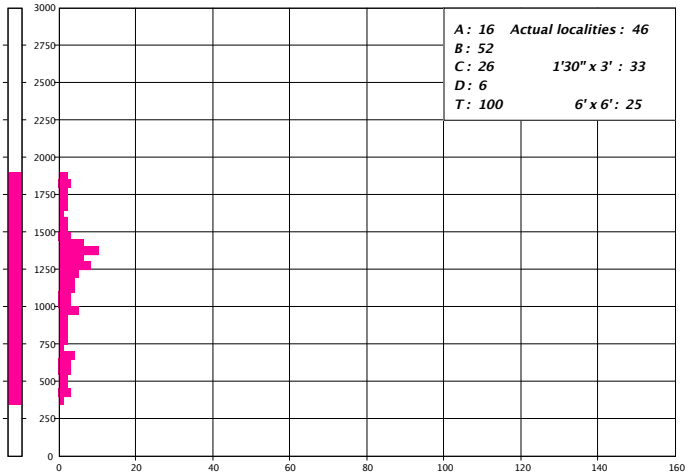
DANAIDAE *Danaus chrysippus*

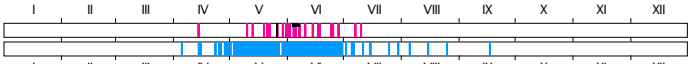




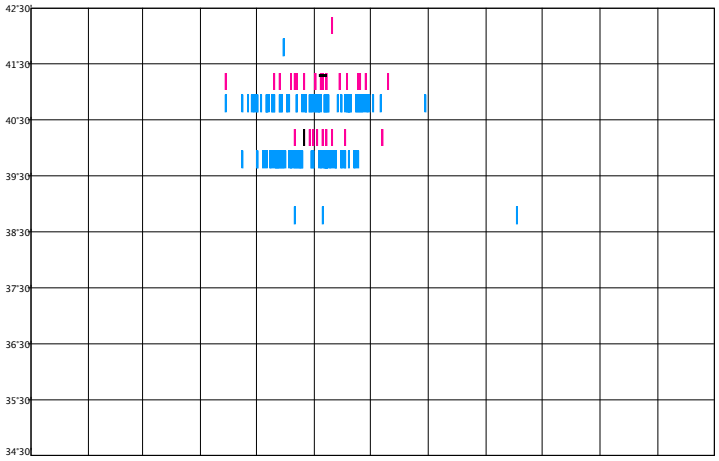


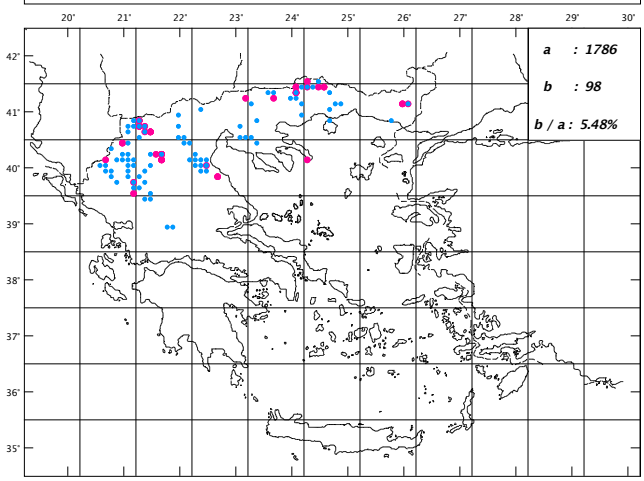


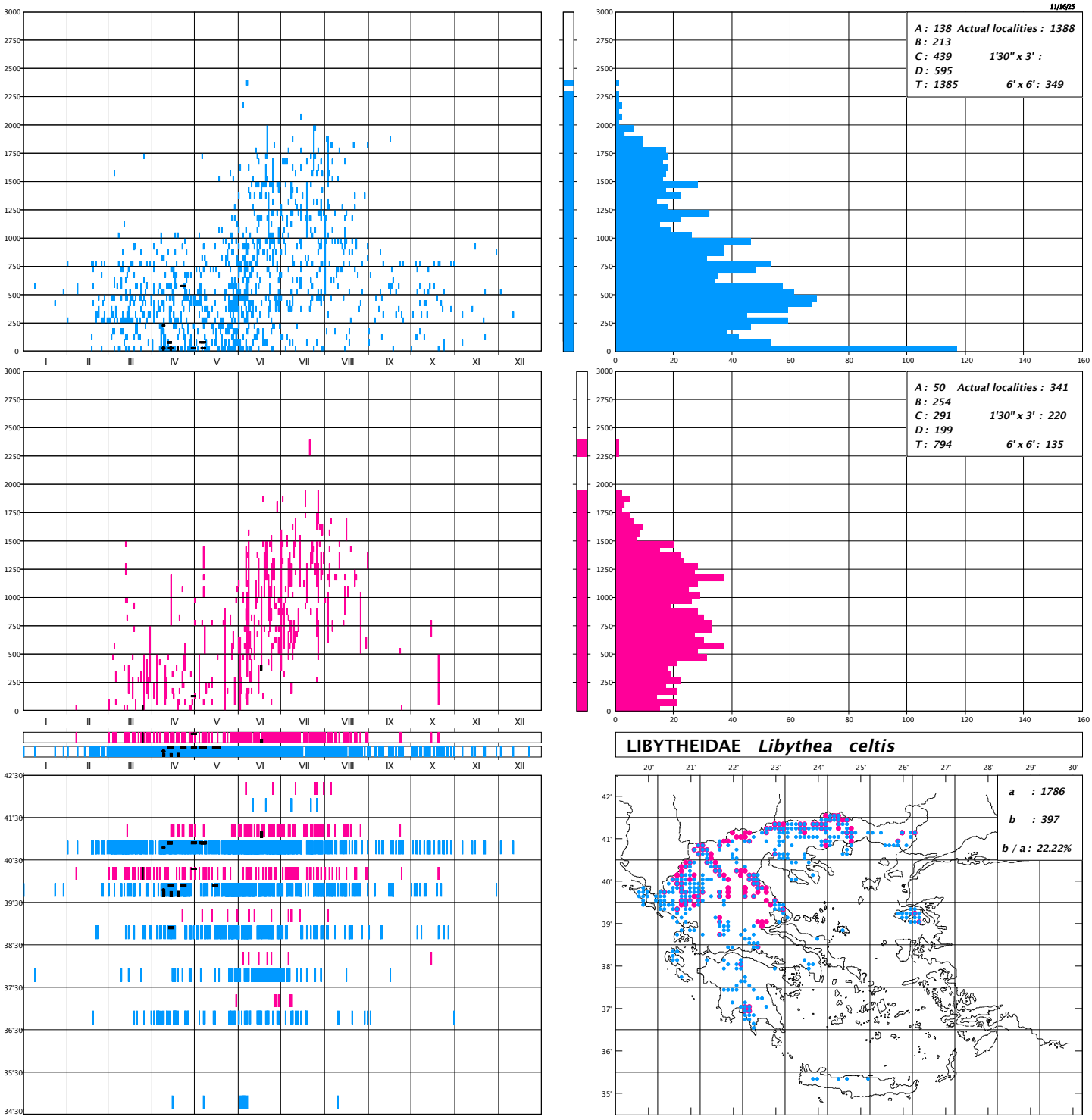


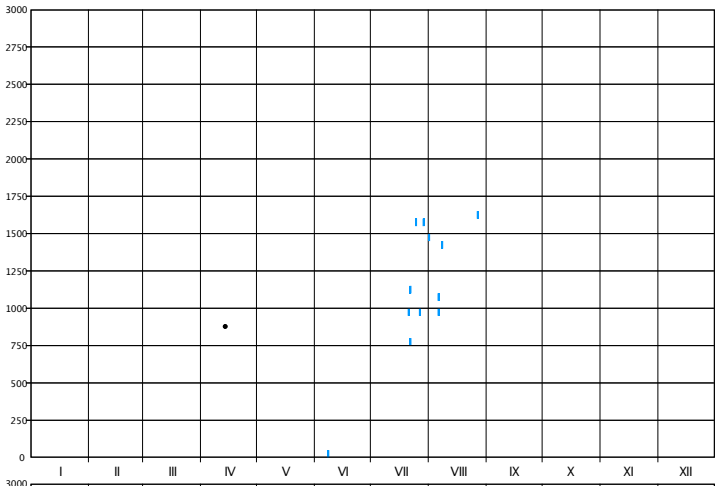


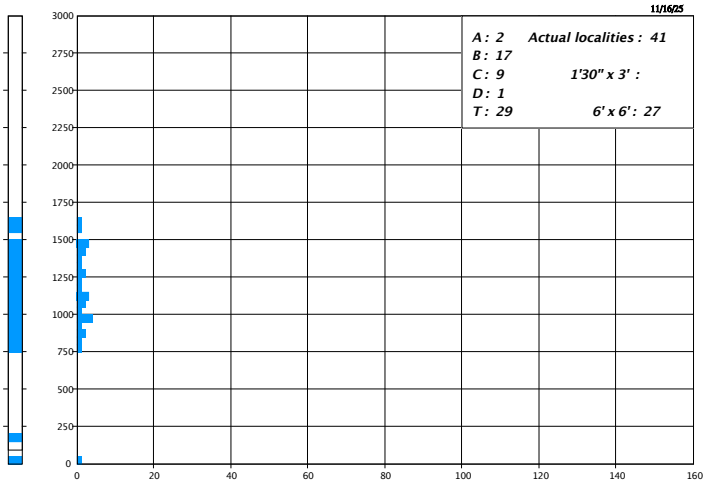
RIODINIDAE *Hamearis lucina*

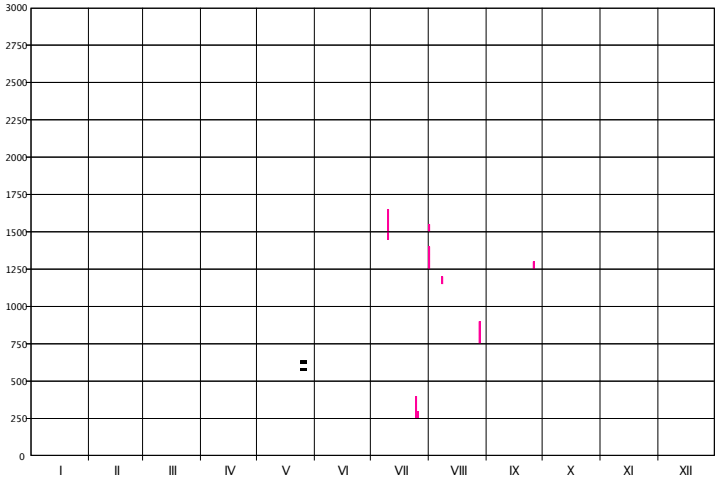


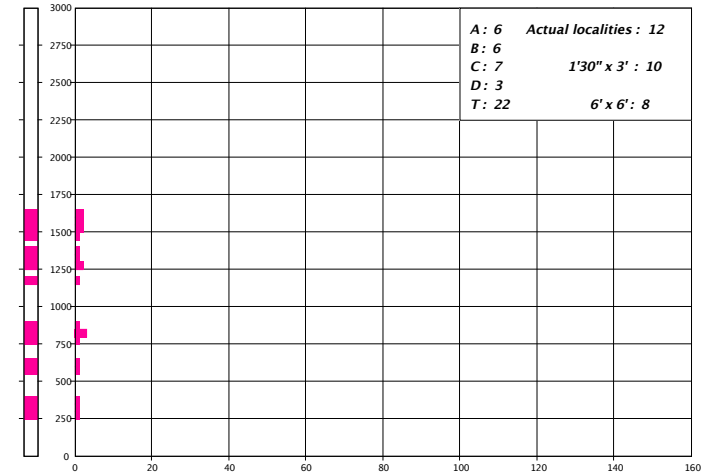


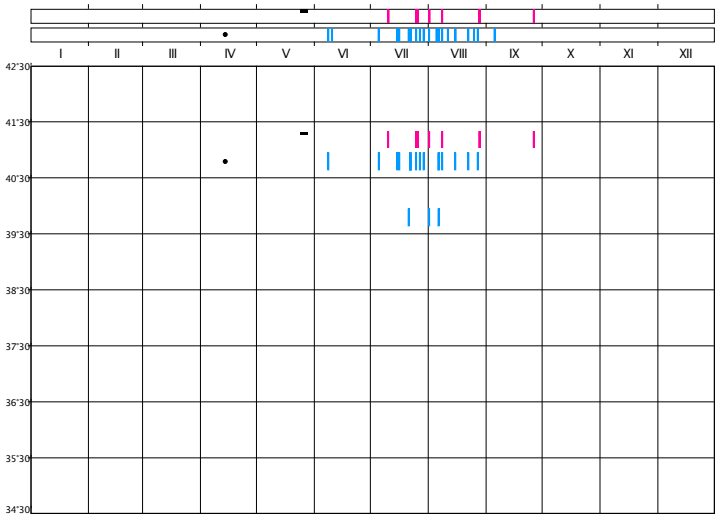

11/16/25
A : 138 Actual localities : 1388
B : 213
C : 439 1'30" x 3' :
D : 595
T : 1385 6' x 6' : 349
A : 50 Actual localities : 341
B : 254
C : 291 1'30" x 3' : 220
D : 199
T : 794 6' x 6' : 135
LIBYTHEIDAE Libythea celtis
a : 1786
b : 397
b / a : 22.22%



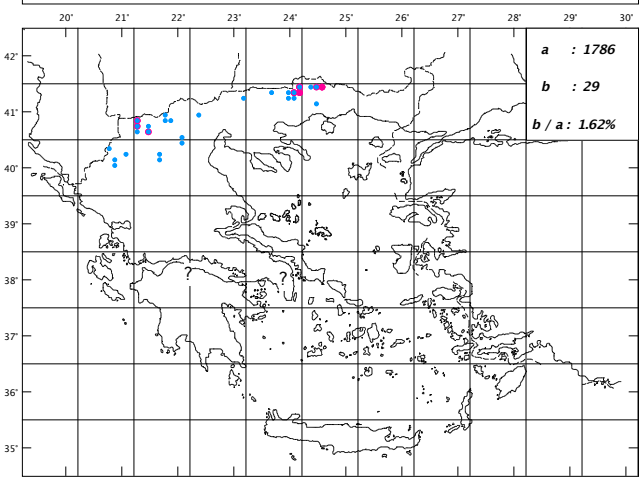


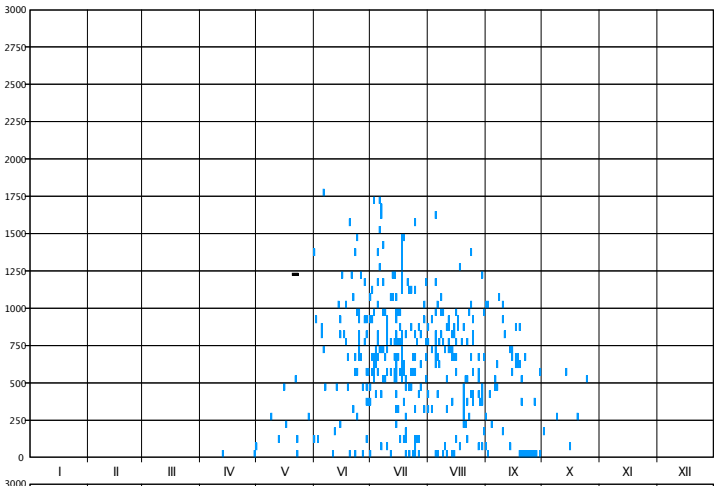


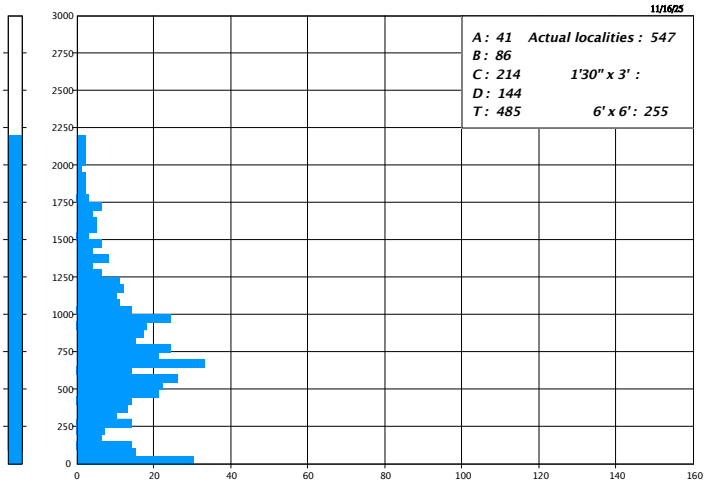


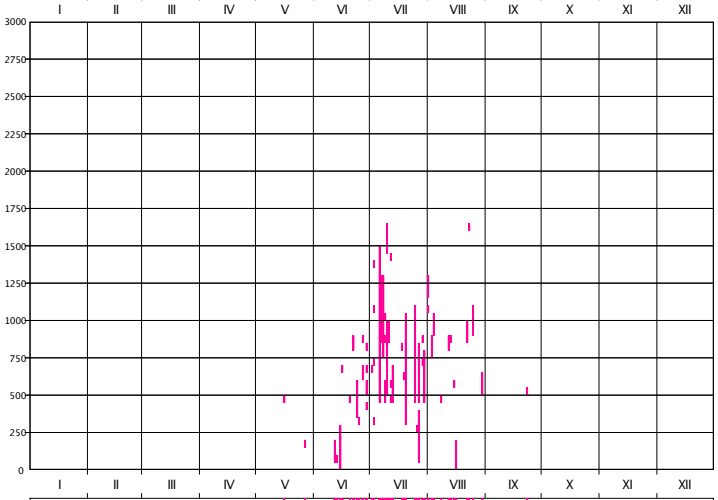


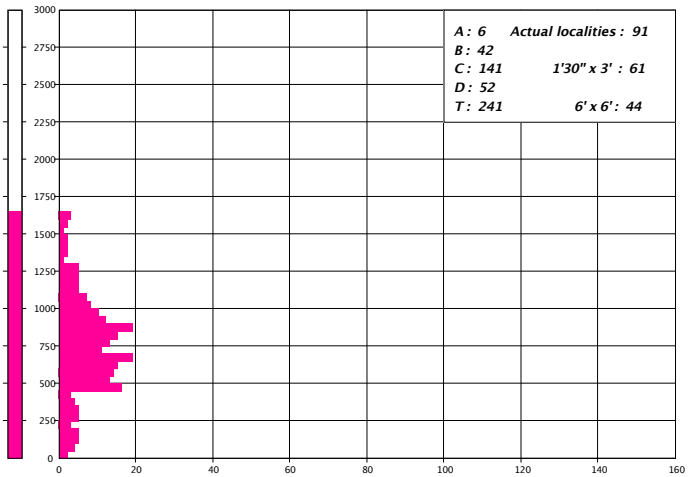
LYCAENIDAE *Thecla betulae*

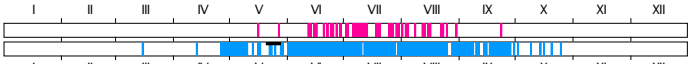




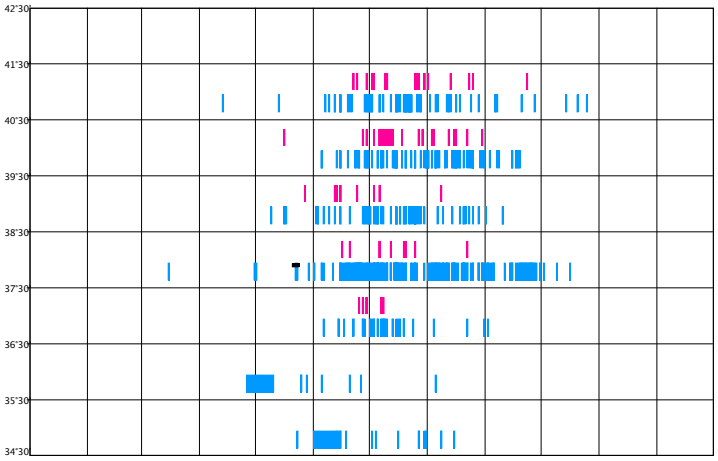


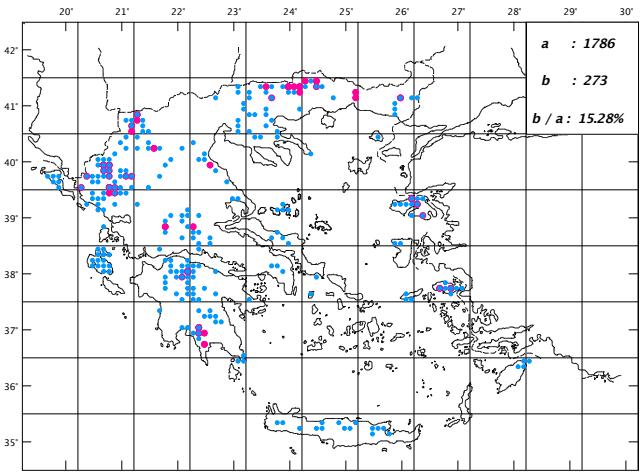


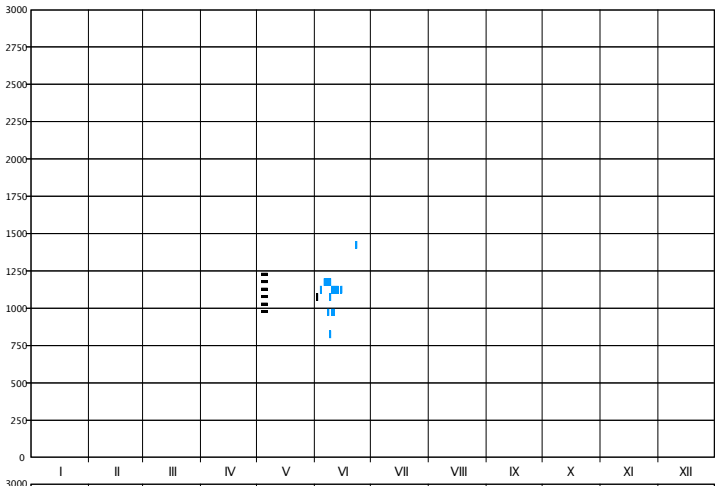


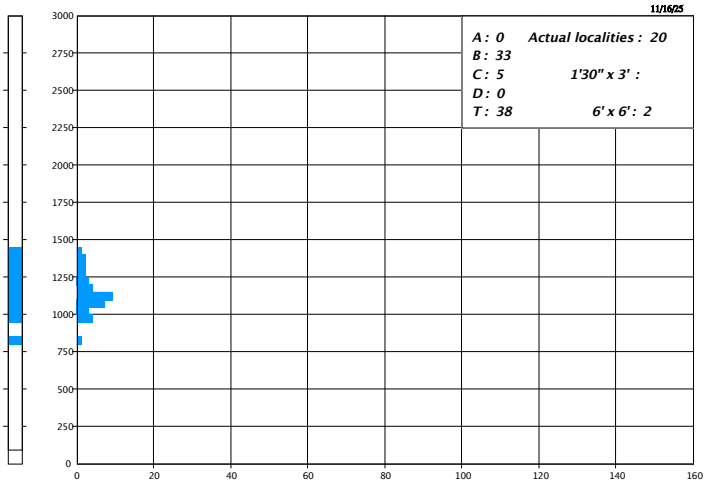


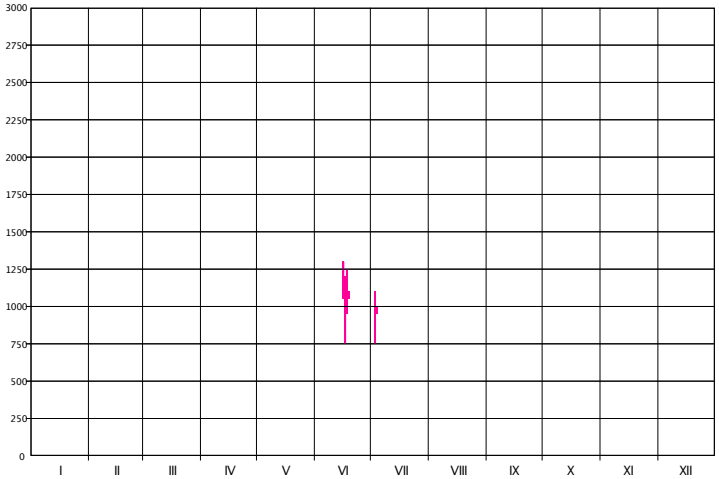
LYCAENIDAE *Favonius quercus*

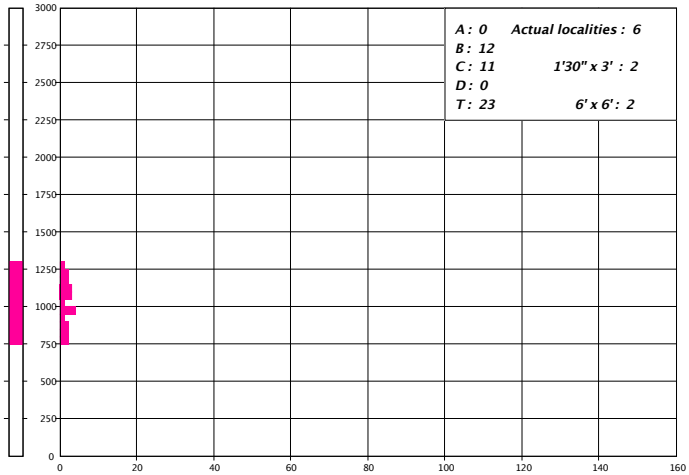


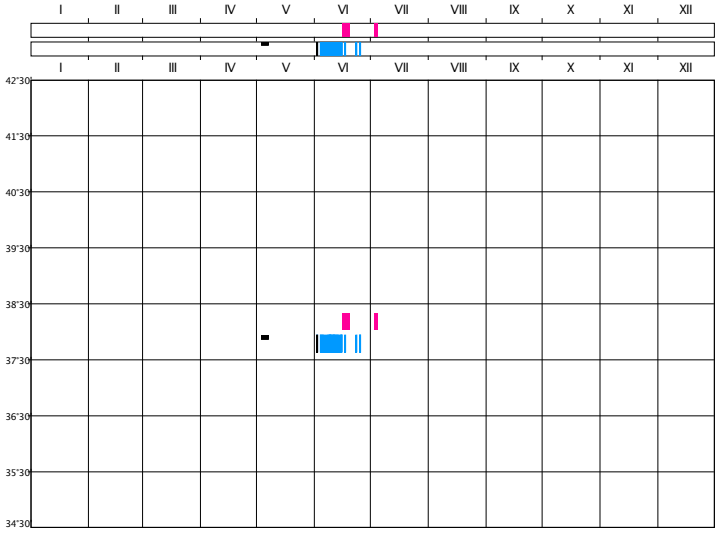




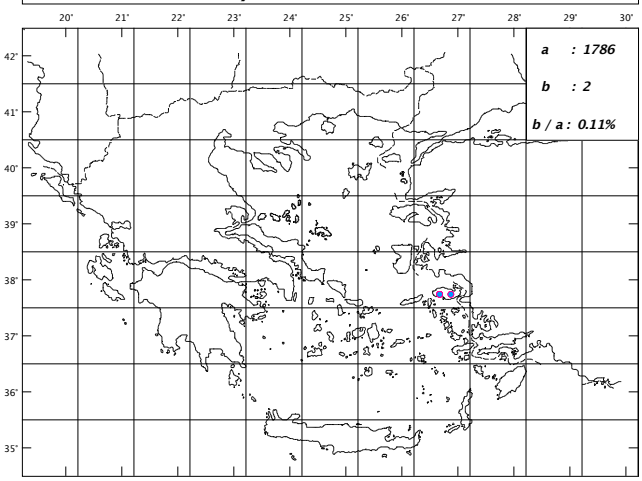


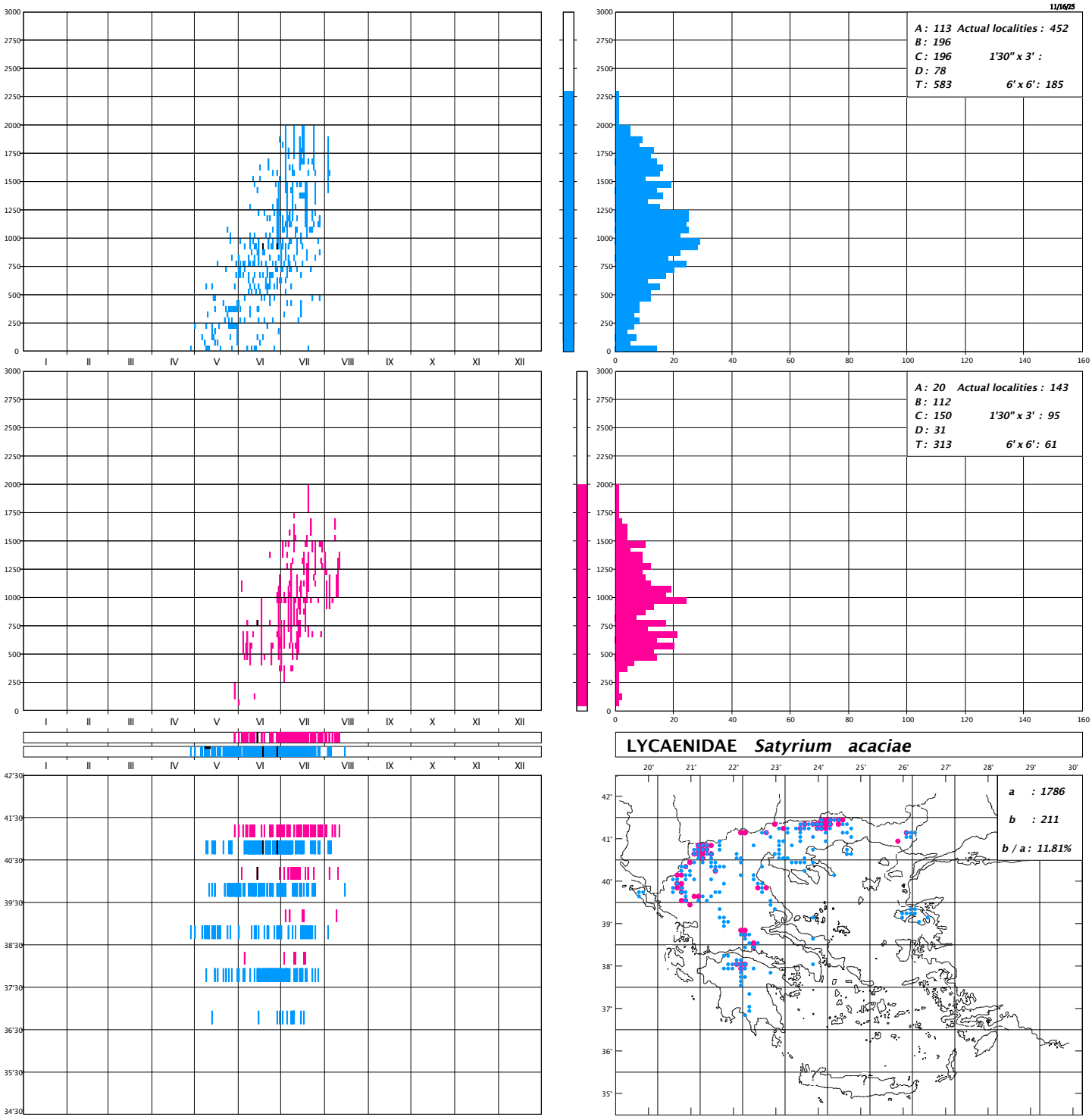


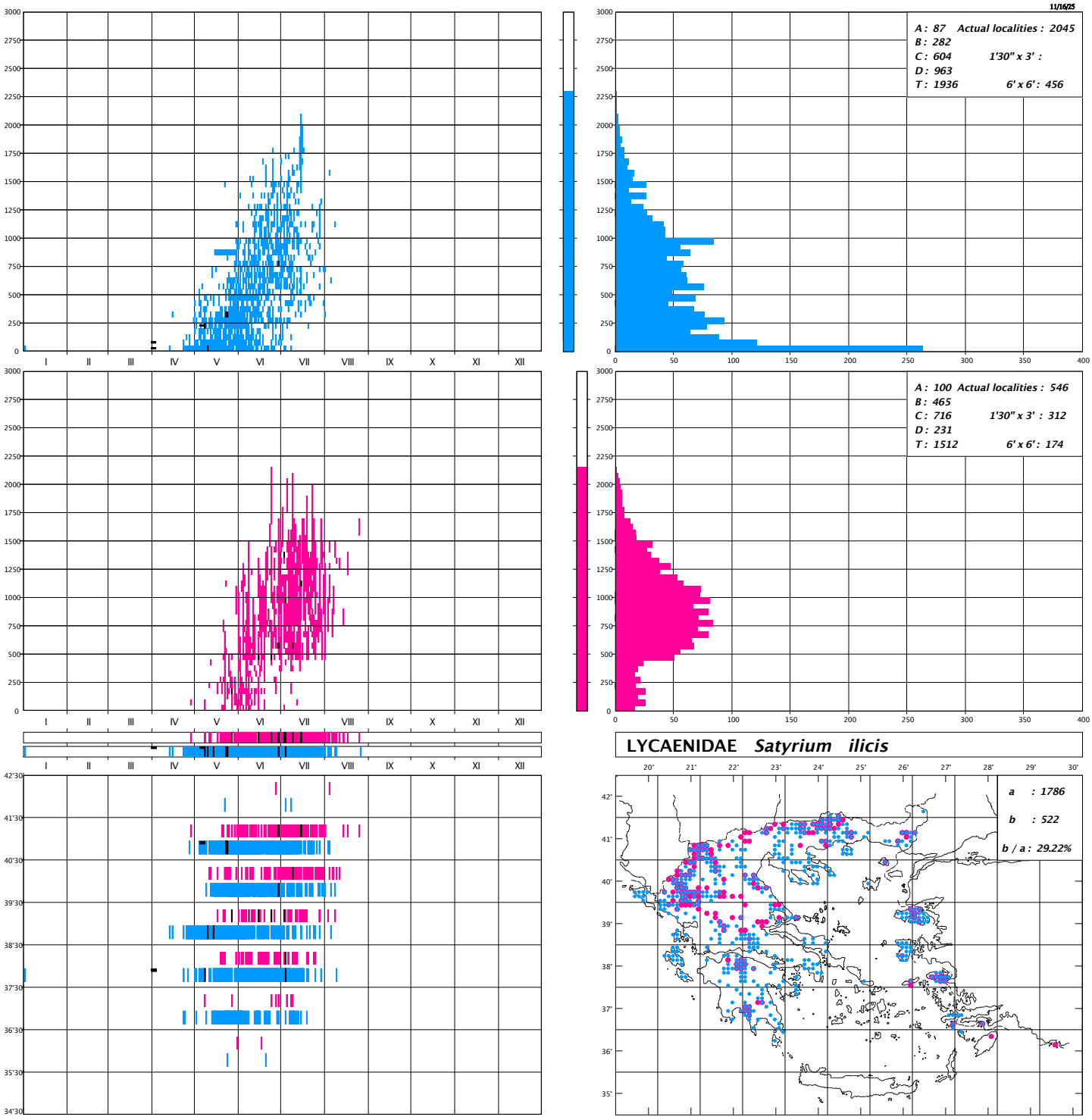


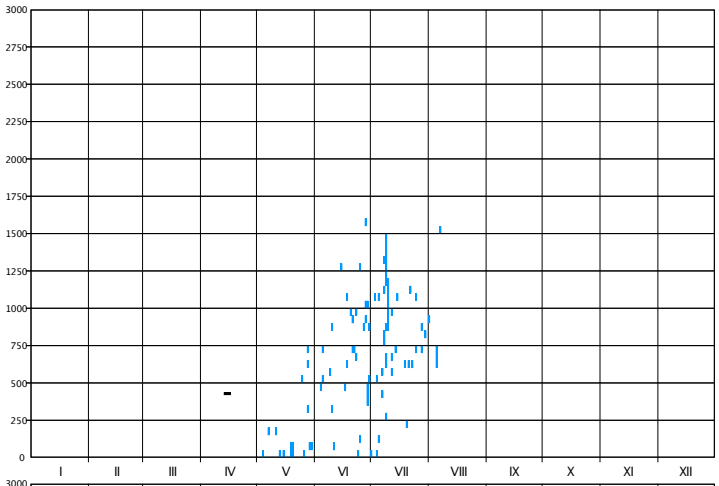


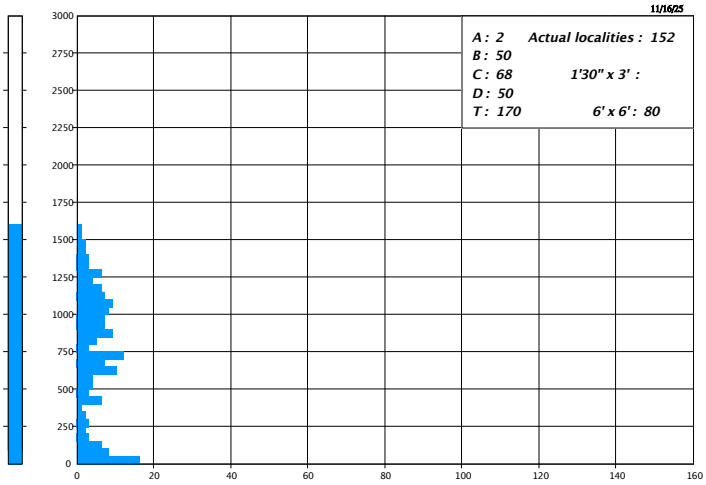
LYCAENIDAE *Satyrium ledereri*

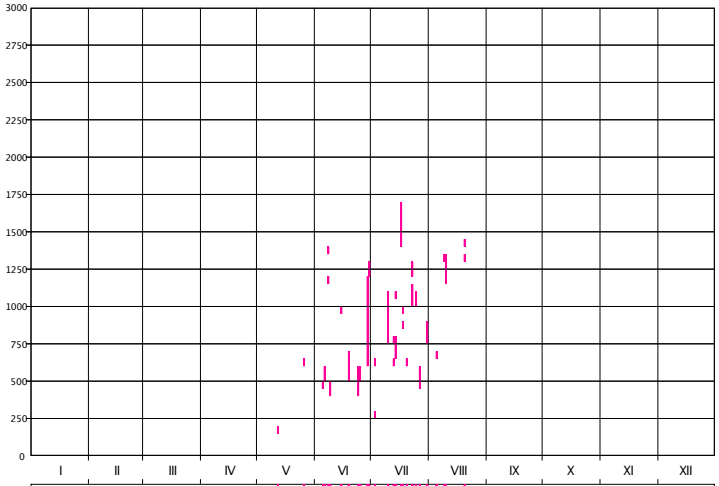


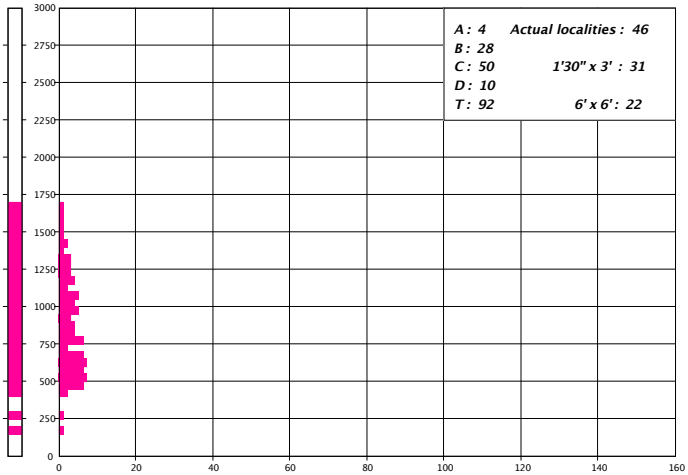

11/16/25
A : 113 Actual localities : 452
B : 196
C : 196 1'30" x 3' :
D : 78
T : 583 6' x 6' : 185
A : 20 Actual localities : 143
B : 112
C : 150 1'30" x 3' : 95
D : 31
T : 313 6' x 6' : 61
LYCAENIDAE Satyrium acaciae
a : 1786
b : 211
b / a : 11.81%

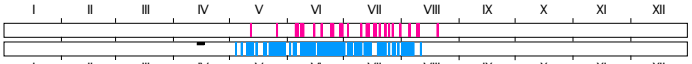

11/16/25
A : 87 Actual localities : 2045
B : 282
C : 604 1'30" x 3' :
D : 963
T : 1936 6' x 6' : 456
A : 100 Actual localities : 546
B : 465
C : 716 1'30" x 3' : 312
D : 231
T : 1512 6' x 6' : 174
LYCAENIDAE Satyrium ilicis
a : 1786
b : 522
b / a : 29.22%



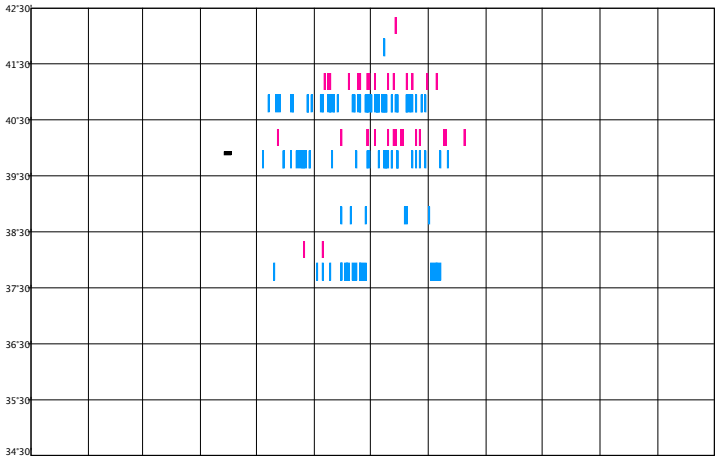


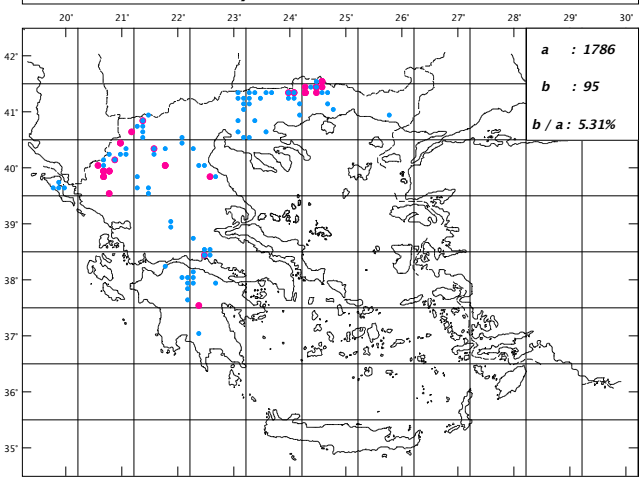


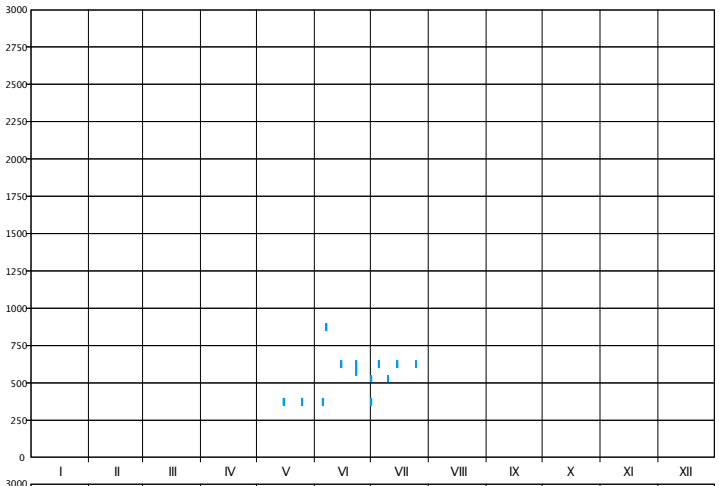


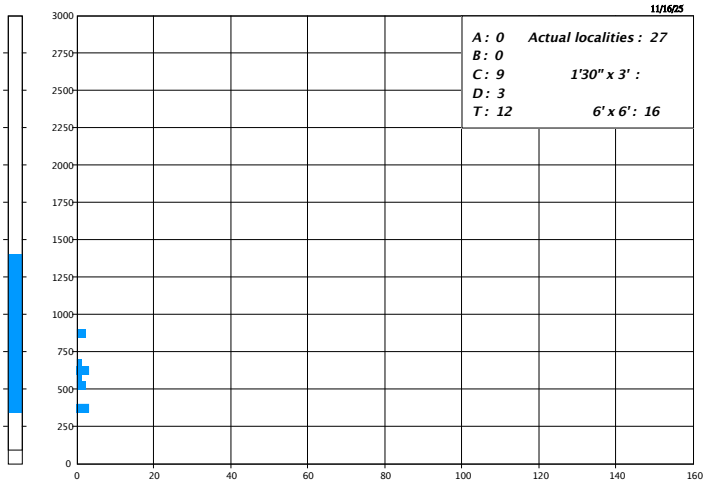


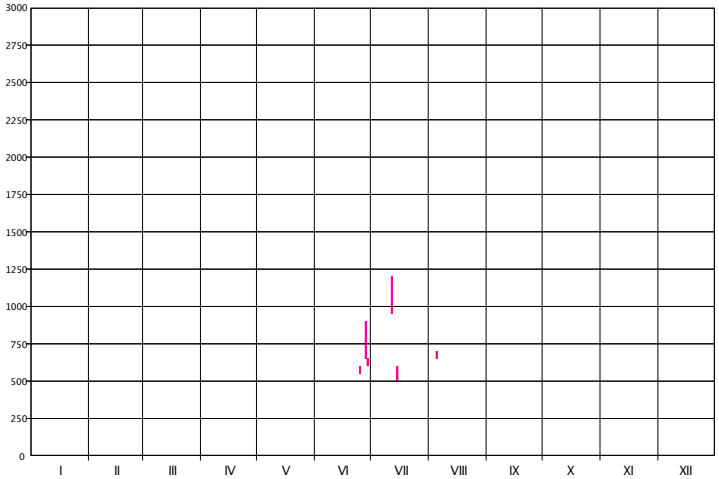
LYCAENIDAE *Satyrium w-album*

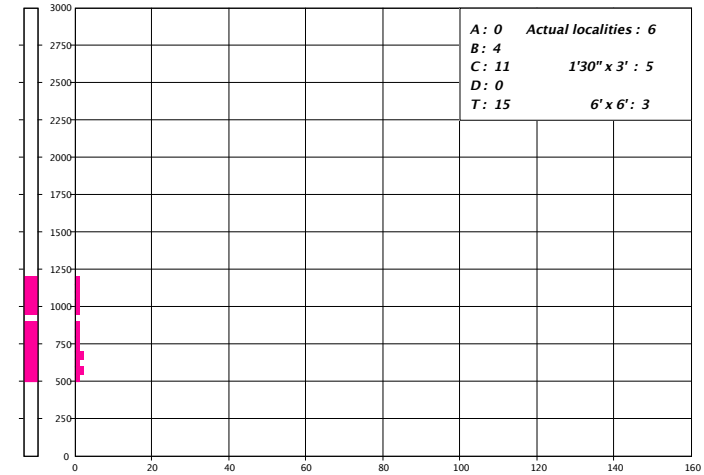


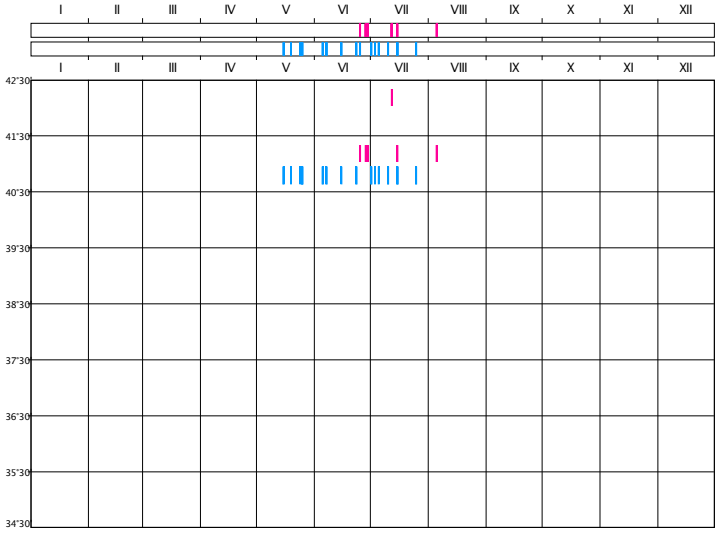




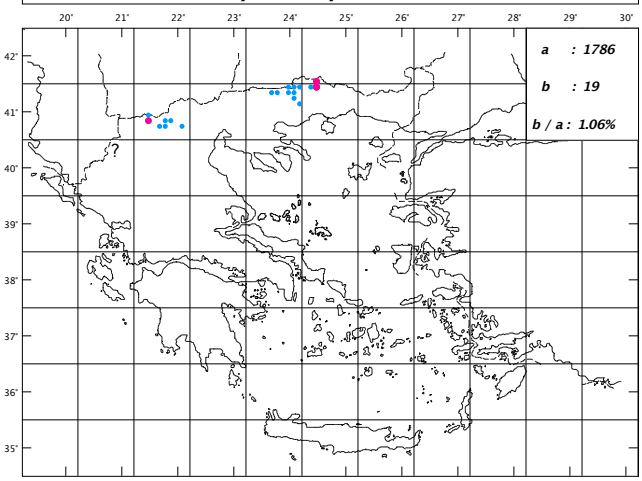


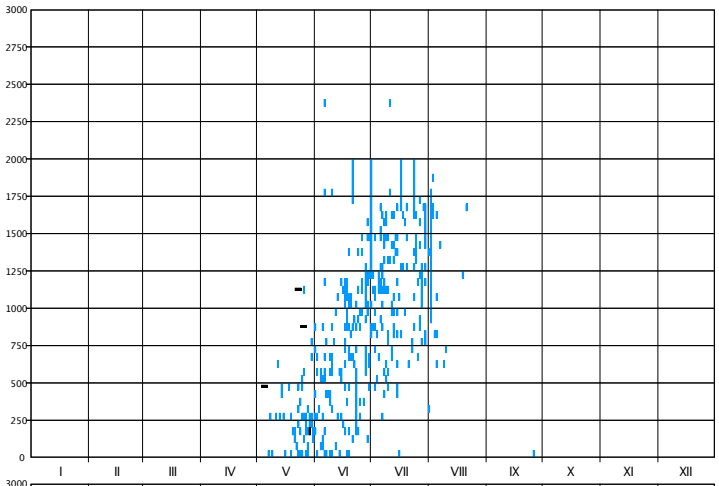


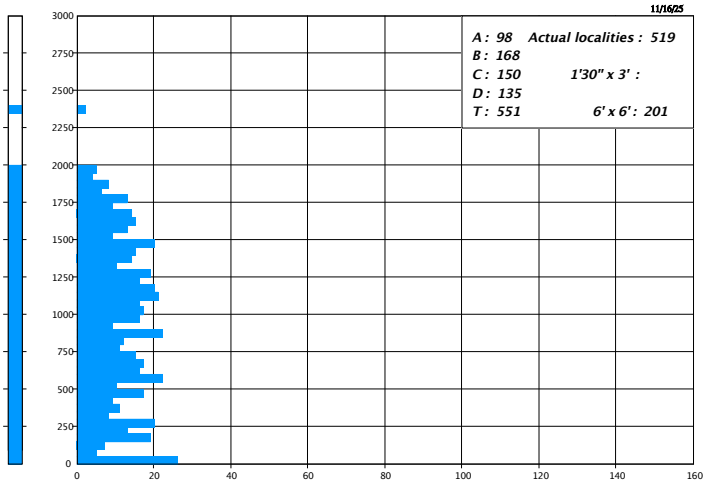


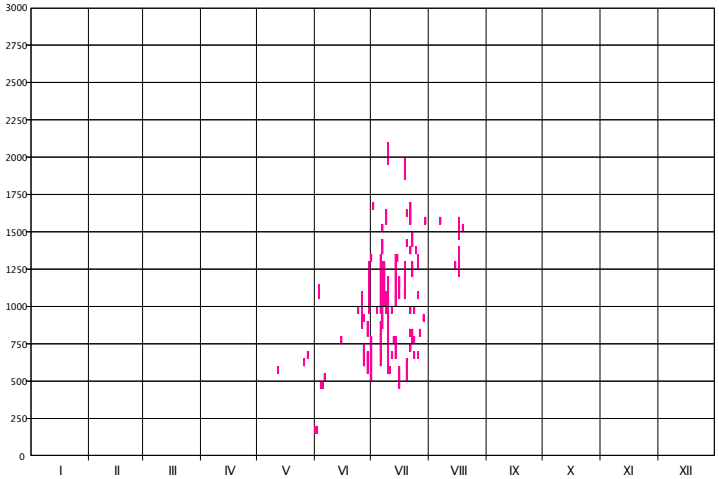


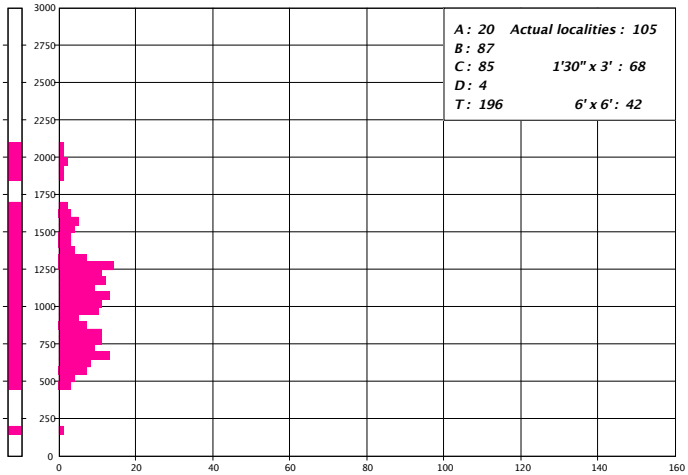
LYCAENIDAE *Satyrium pruni*

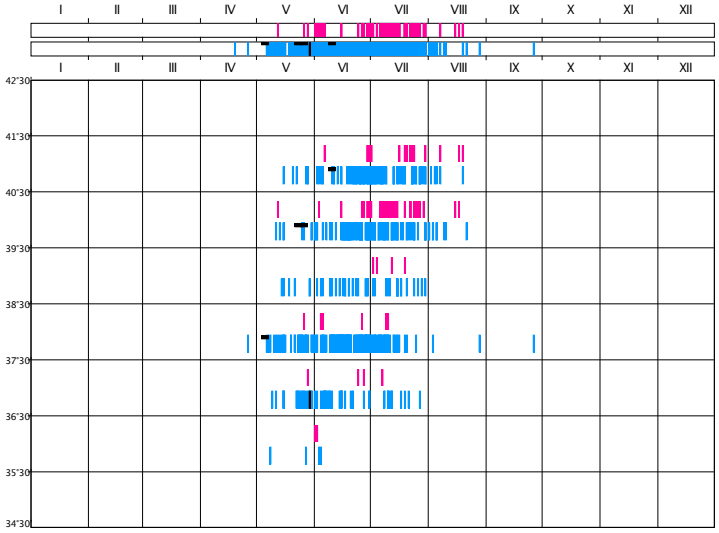




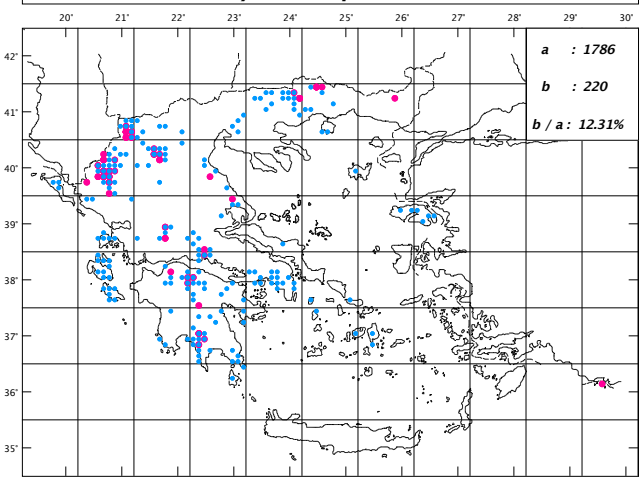


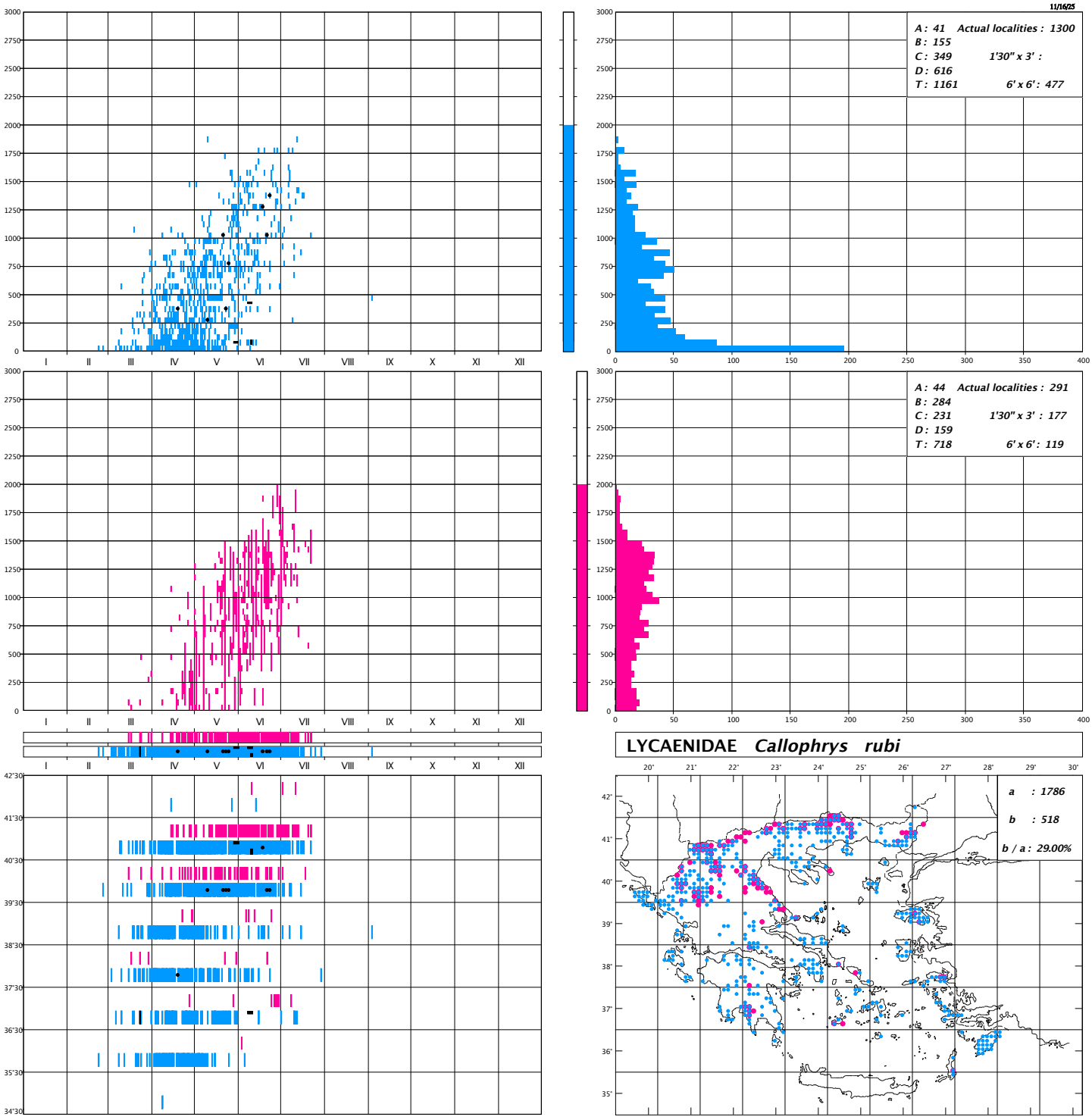


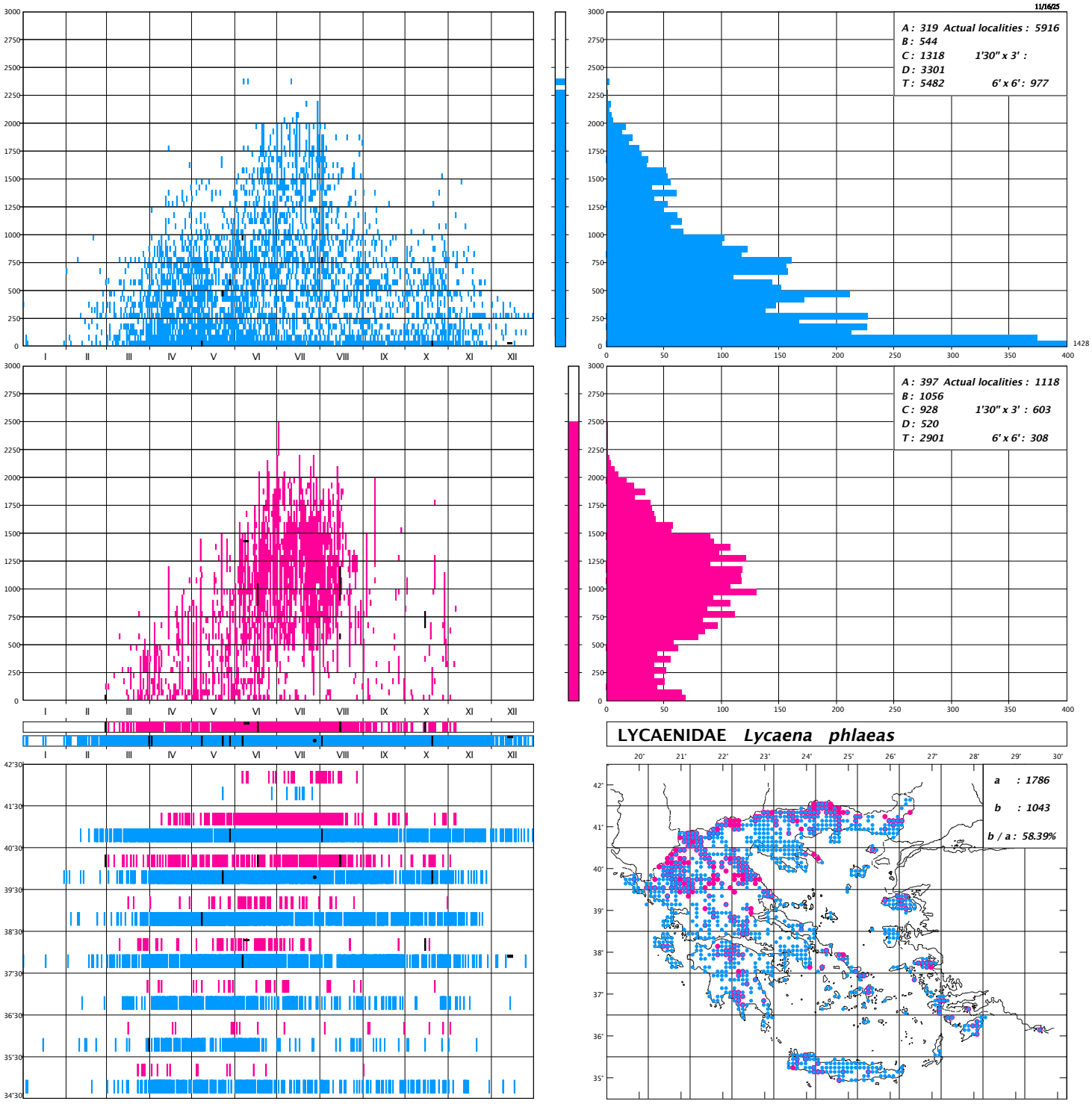


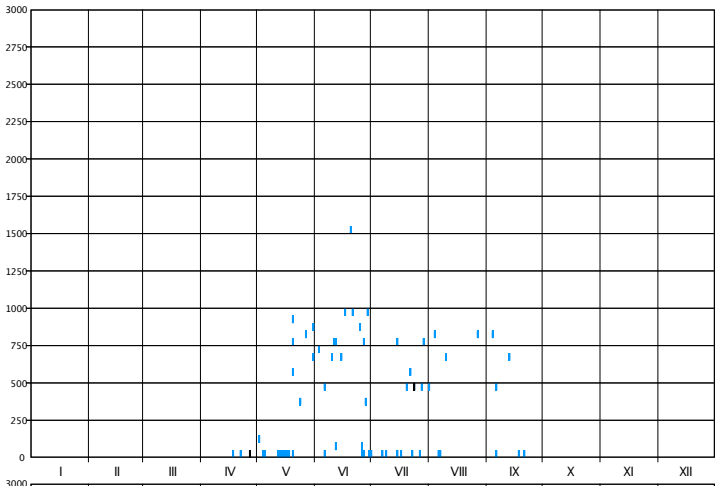


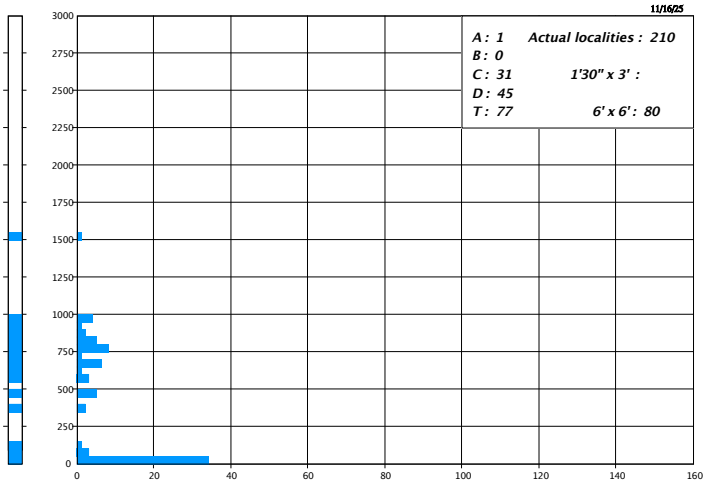
LYCAENIDAE *Satyrium spini*

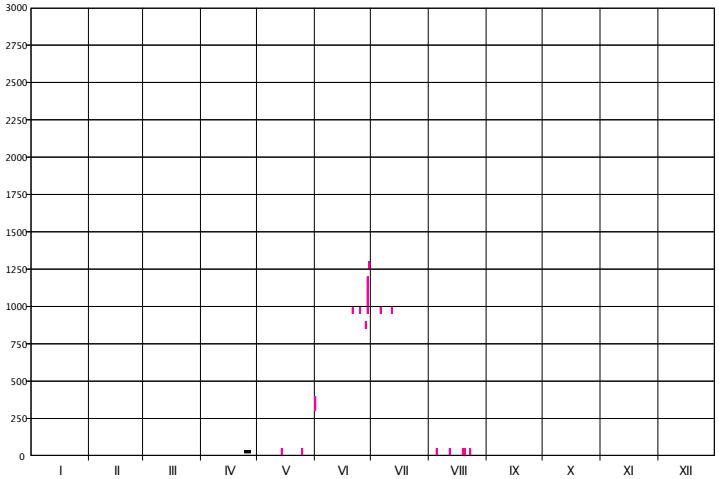


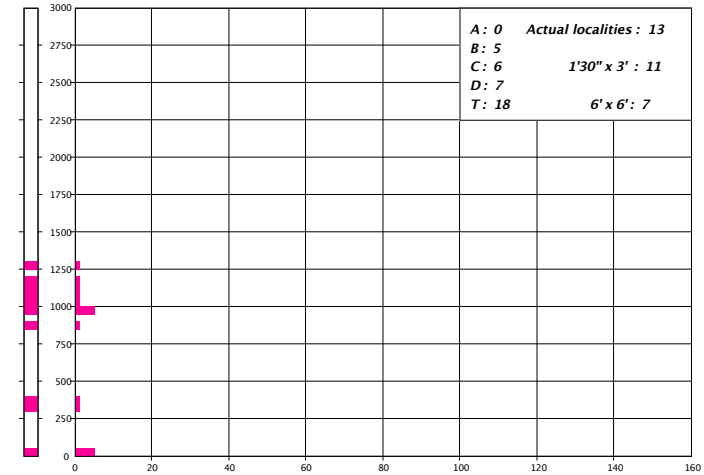

11/16/25
A : 41 Actual localities : 1300
B : 155
C : 349 1'30" x 3' :
D : 616
T : 1161 6' x 6' : 477
A : 44 Actual localities : 291
B : 284
C : 231 1'30" x 3' : 177
D : 159
T : 718 6' x 6' : 119
LYCAENIDAE Callophrys rubi
a : 1786
b : 518
b / a : 29.00%

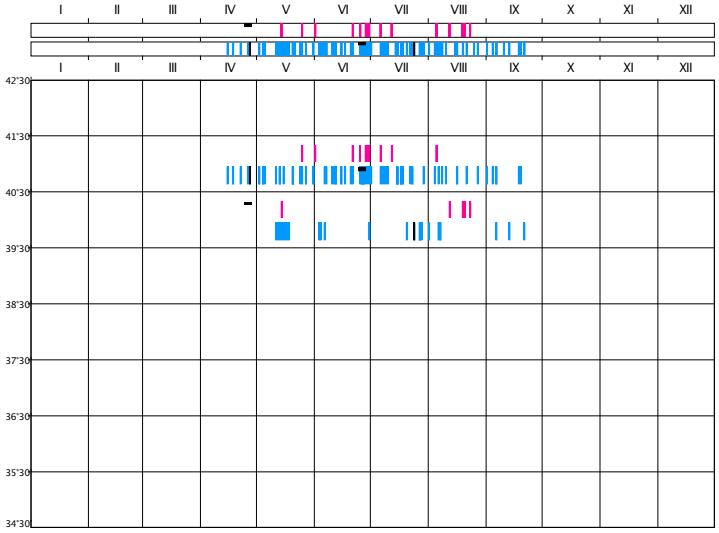

11/16/25
A : 319 Actual localities : 5916
B : 544
C : 1318 1'30" x 3' :
D : 3301
T : 5482 6' x 6' : 977
A : 397 Actual localities : 1118
B : 1056
C : 928 1'30" x 3' : 603
D : 520
T : 2901 6' x 6' : 308
LYCAENIDAE Lycaena phlaeas
a : 1786
b : 1043
b / a : 58.39%



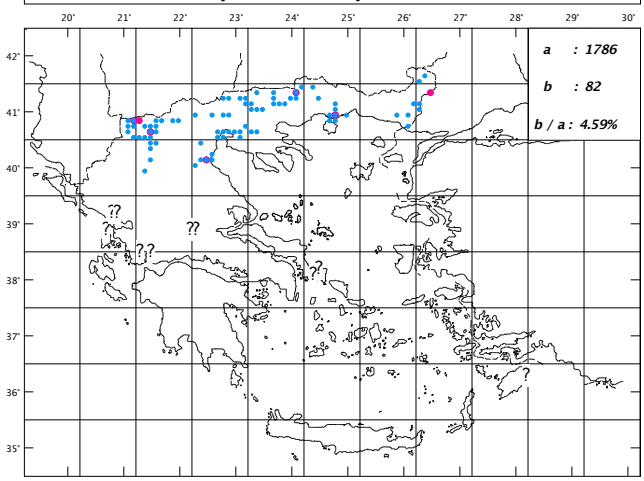


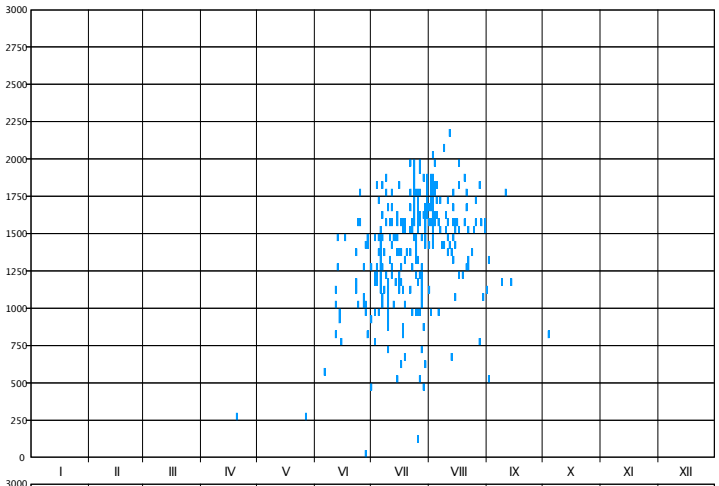


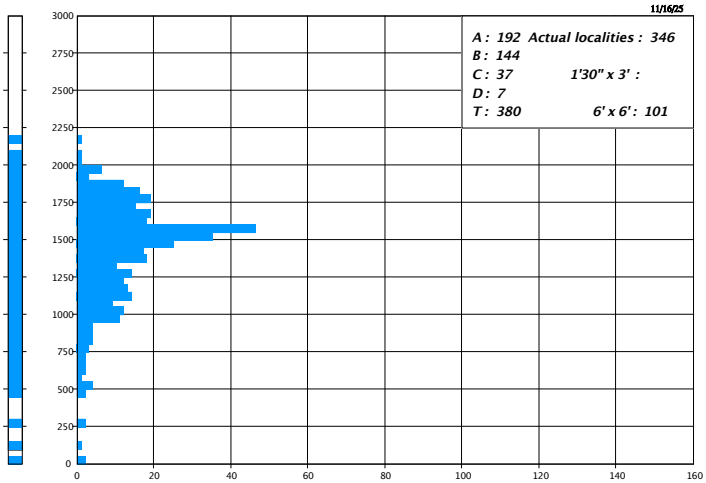


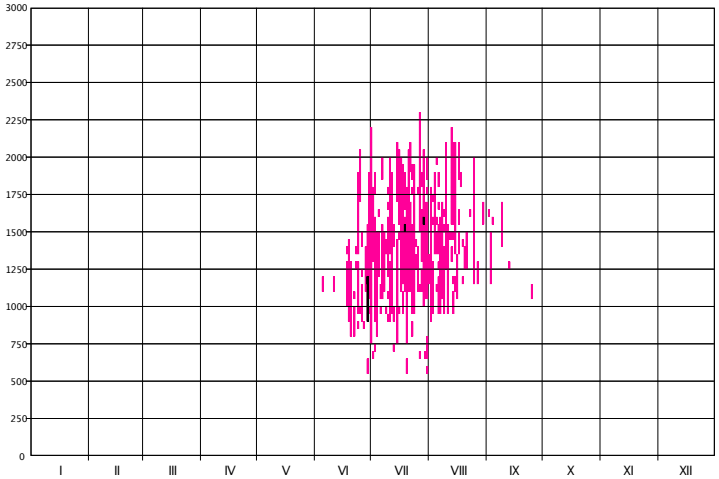


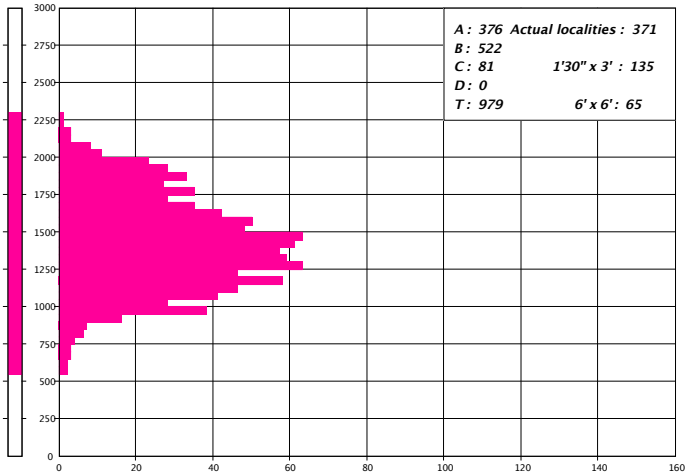
LYCAENIDAE *Lycaena dispar*

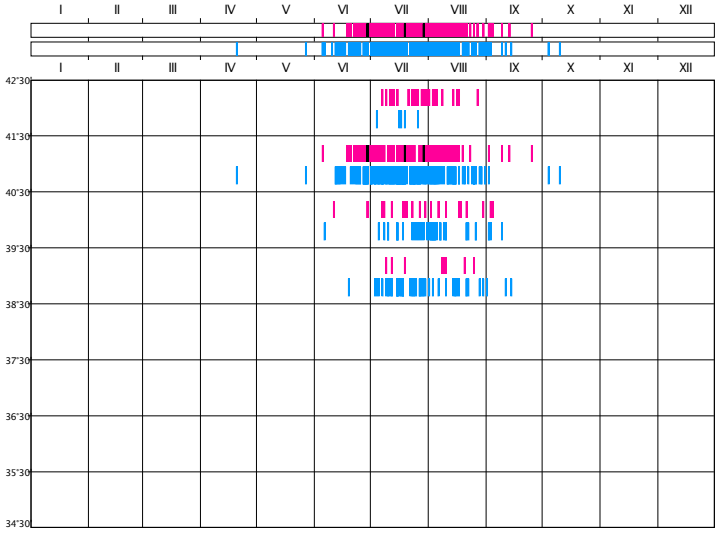




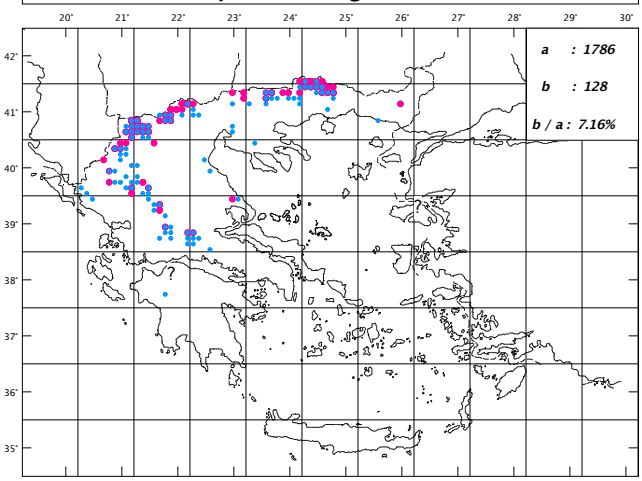


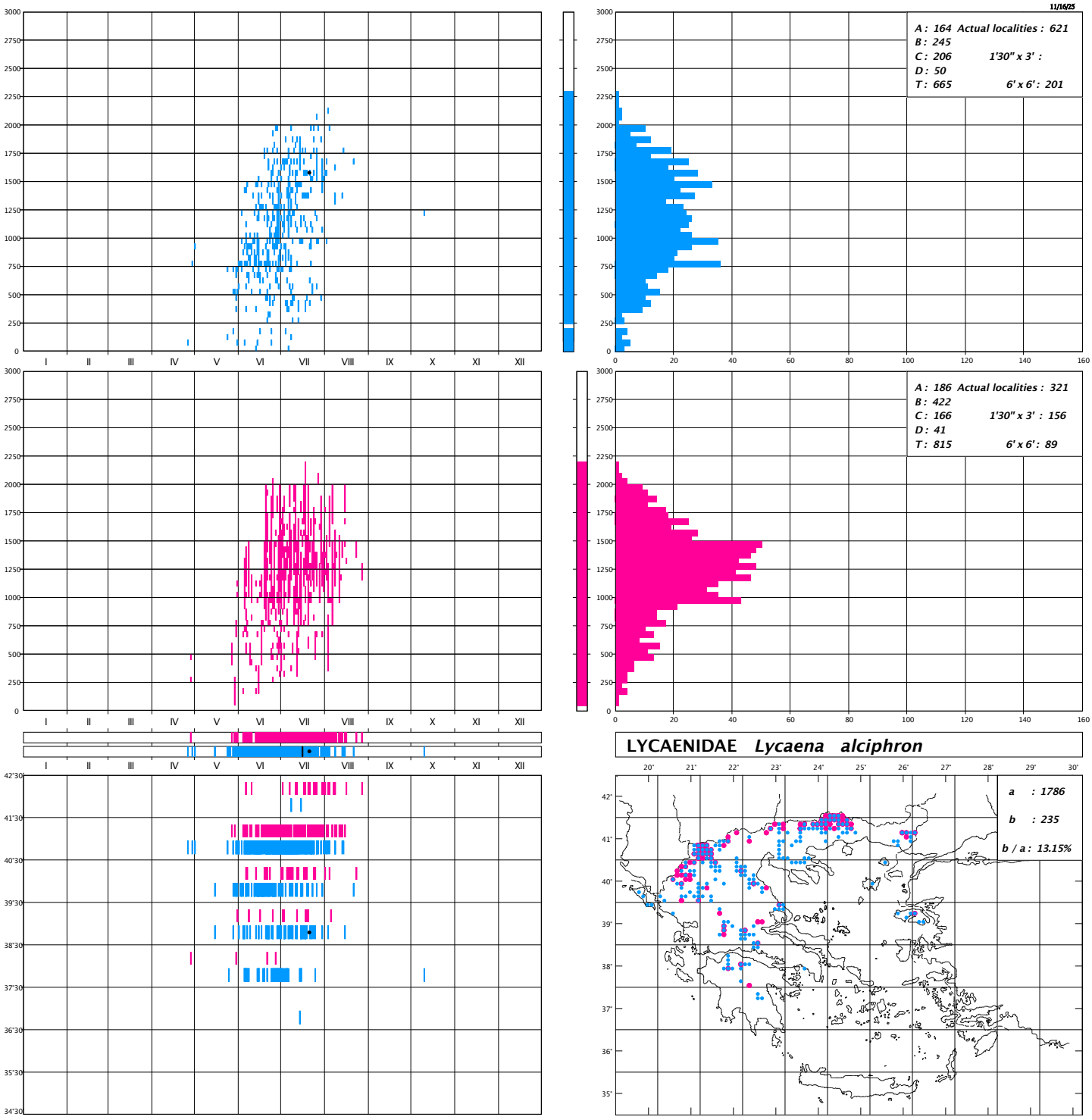


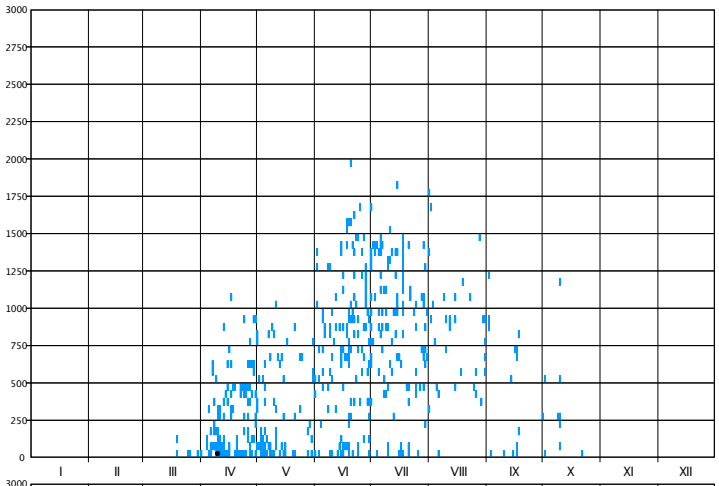


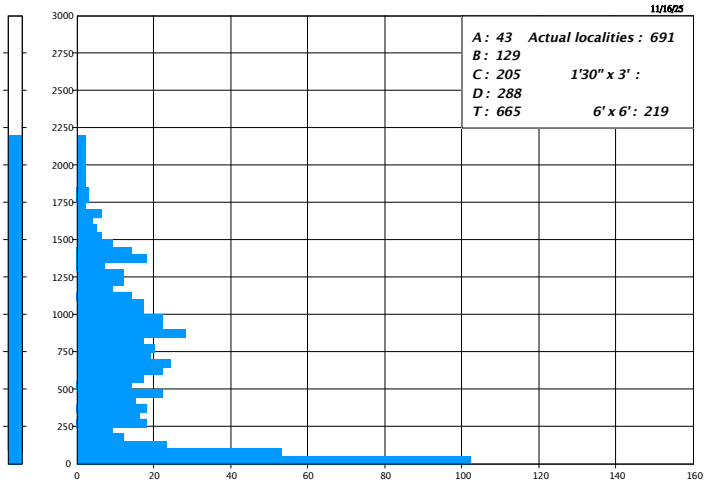


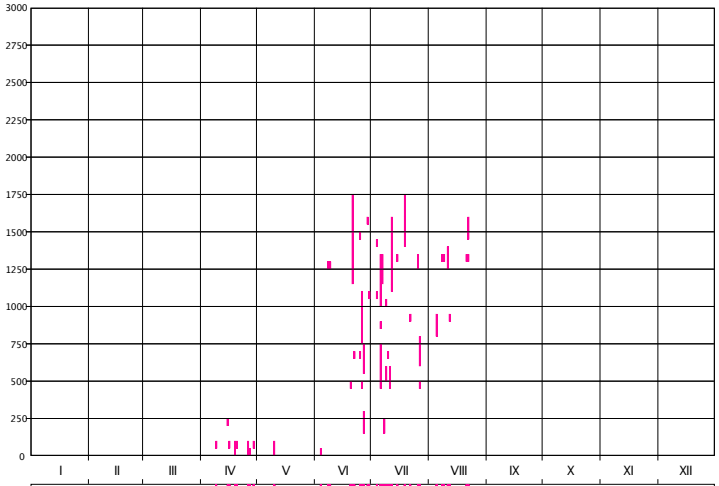
LYCAENIDAE *Lycaena virgaureae*

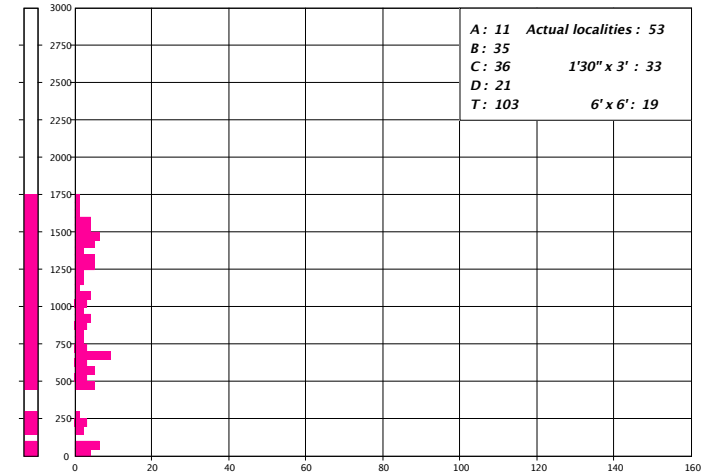


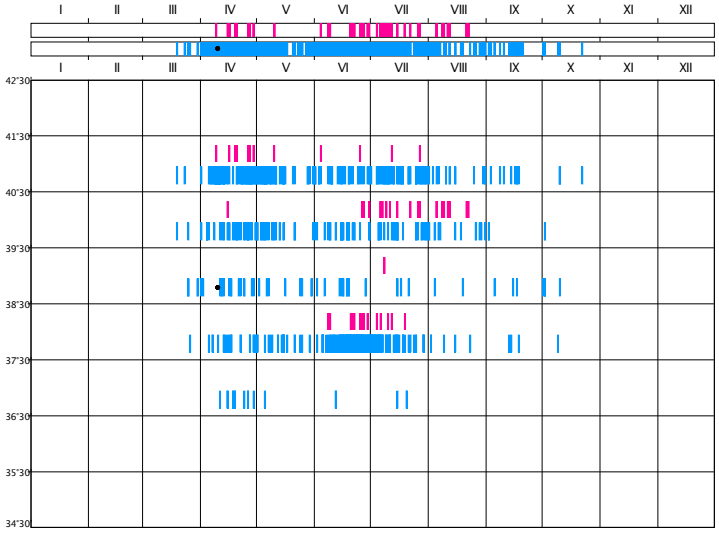

11/16/25
A : 164 Actual localities : 621
B : 245
C : 206 1'30" x 3' :
D : 50
T : 665 6' x 6' : 201
A : 186 Actual localities : 321
B : 422
C : 166 1'30" x 3' : 156
D : 41
T : 815 6' x 6' : 89
LYCAENIDAE Lycaena alciphron
a : 1786
b : 235
b / a : 13.15%



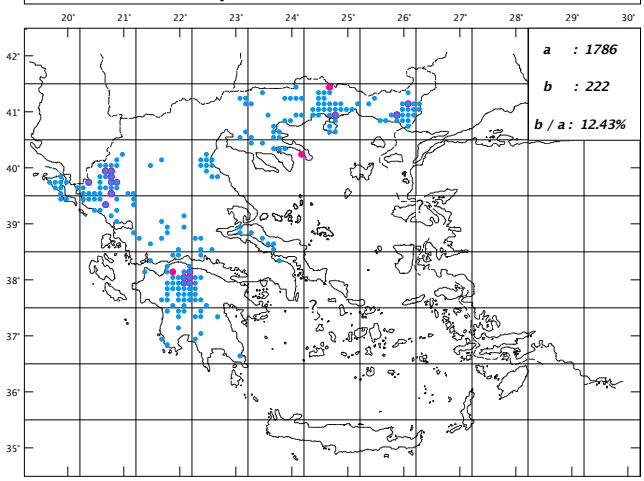


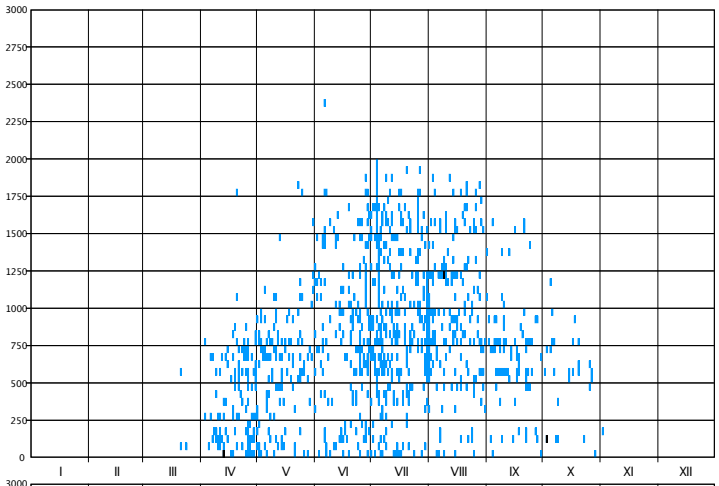


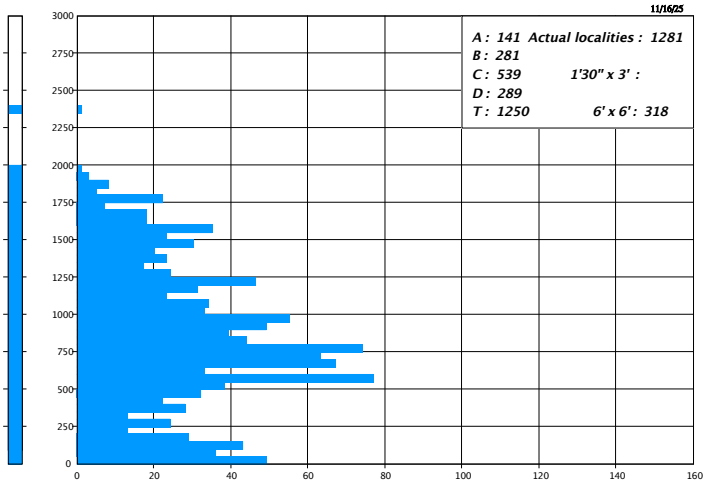


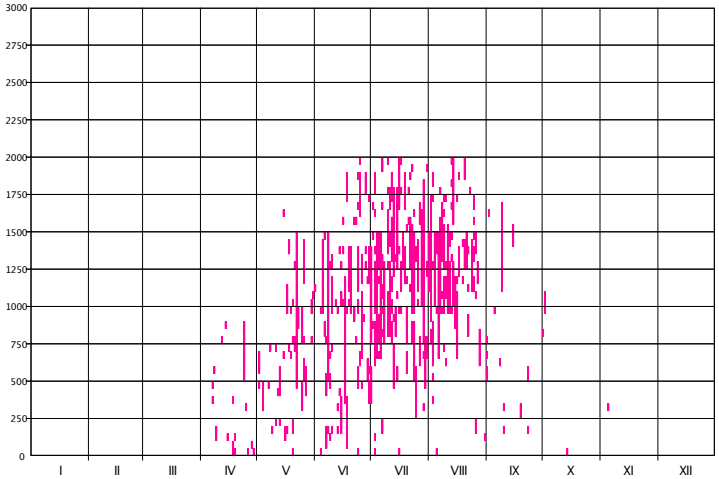


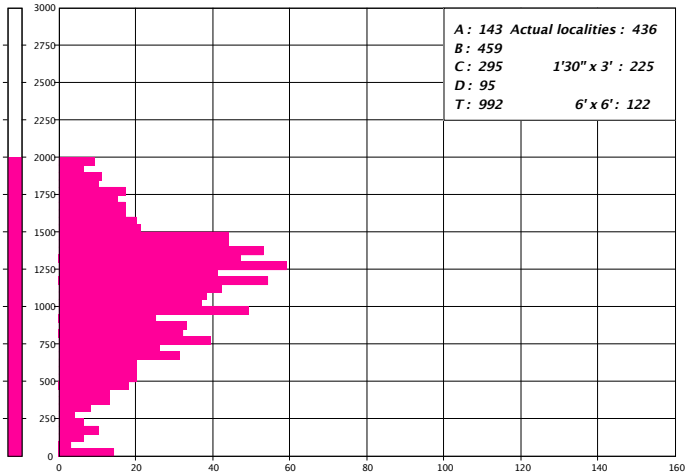
LYCAENIDAE *Lycaena ottomana*

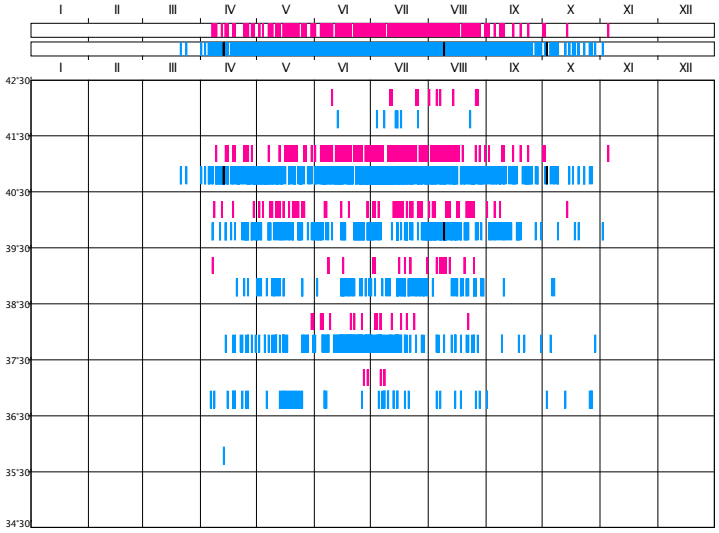




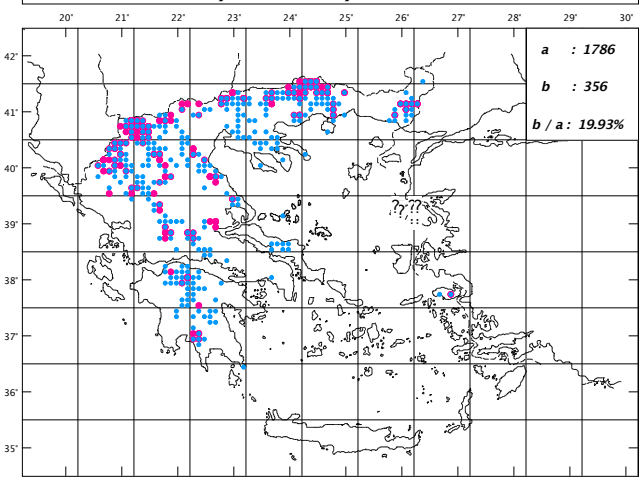


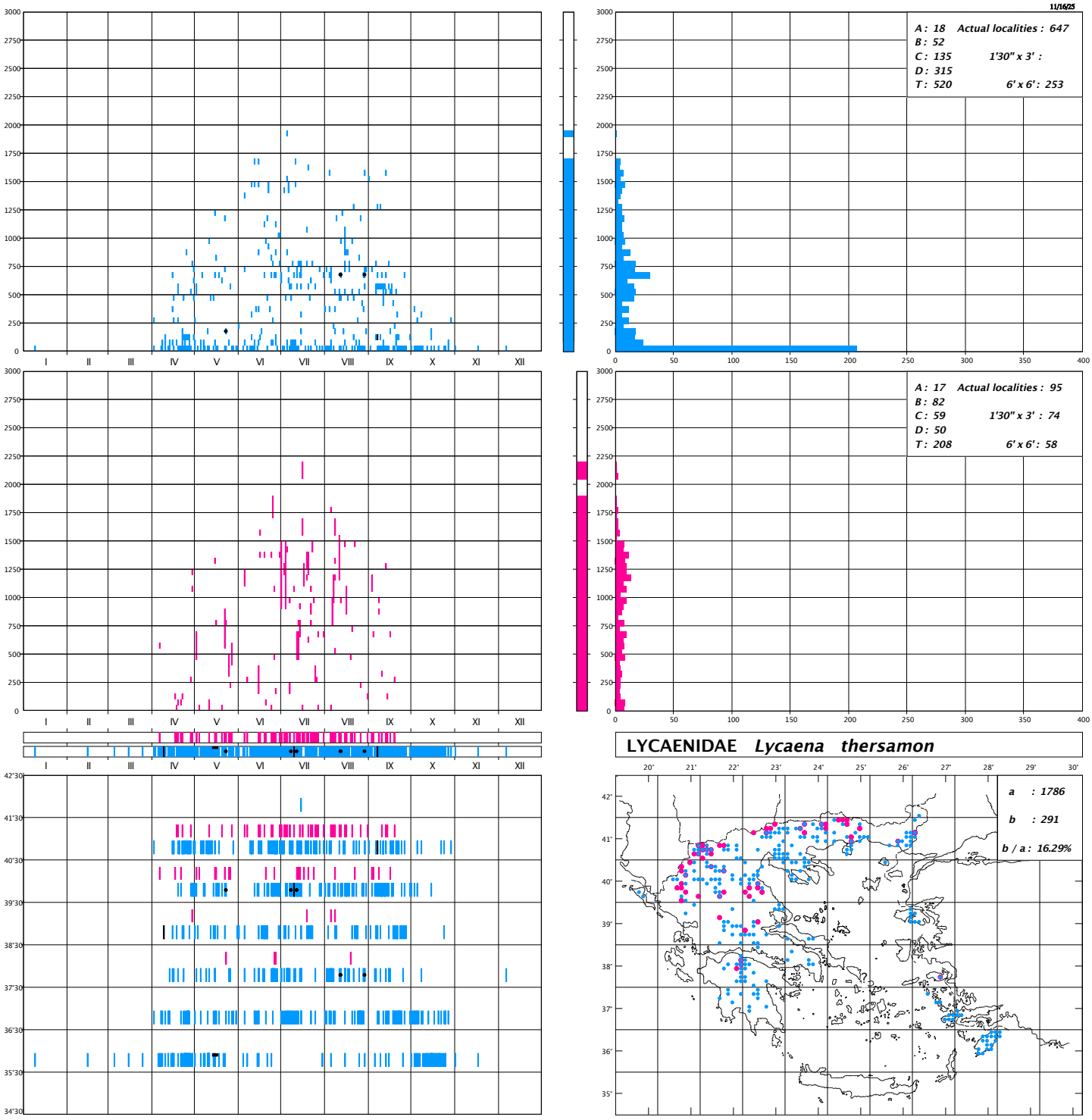


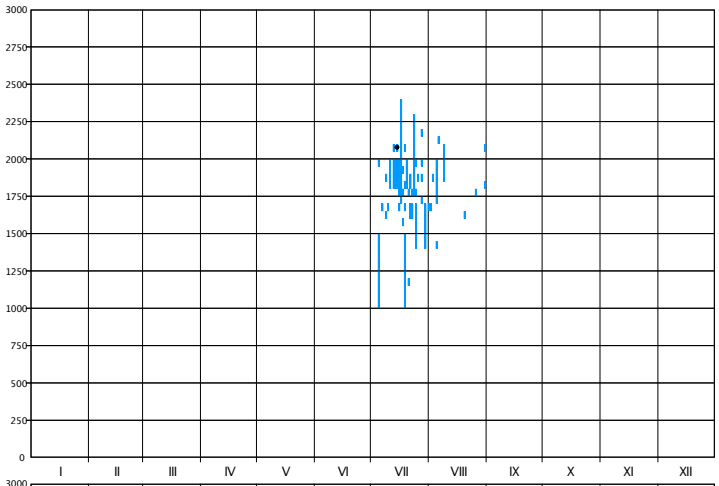


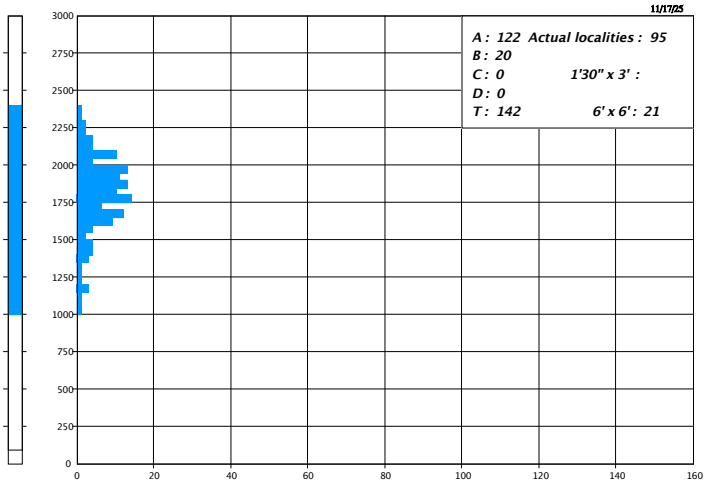


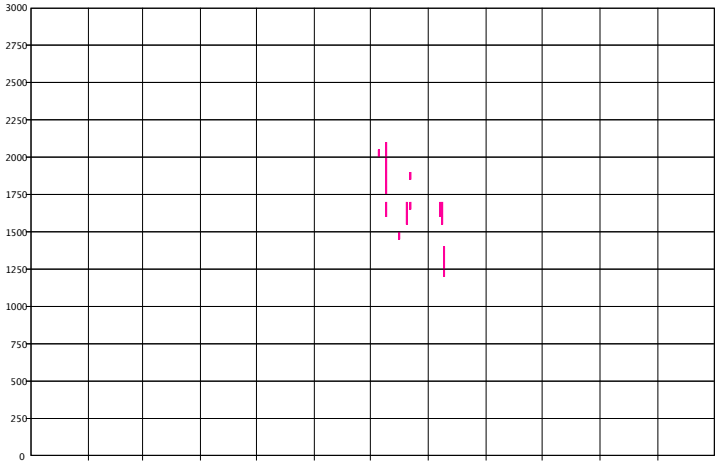
LYCAENIDAE *Lycaena tityrus*

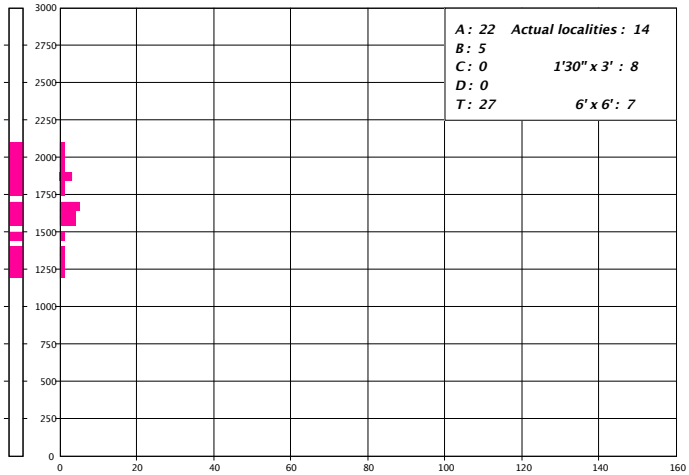


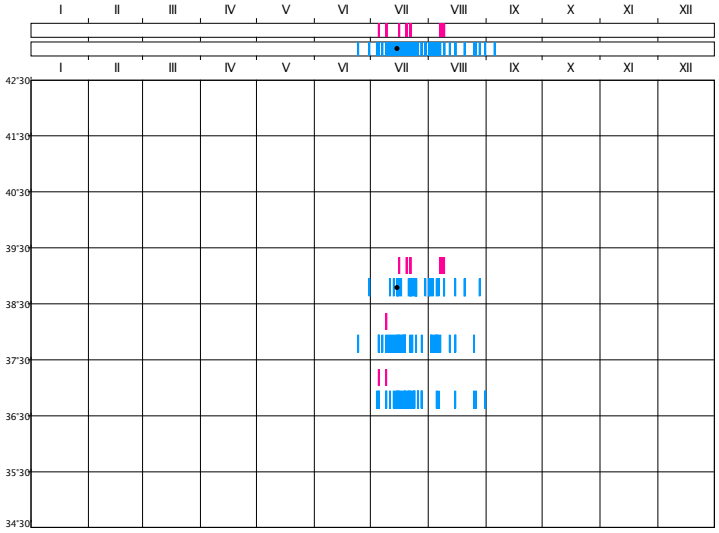

11/16/25
A : 18 Actual localities : 647
B : 52
C : 135 1'30" x 3' :
D : 315
T : 520 6' x 6' : 253
A : 17 Actual localities : 95
B : 82
C : 59 1'30" x 3' : 74
D : 50
T : 208 6' x 6' : 58
LYCAENIDAE Lycaena thersamon
a : 1786
b : 291
b / a : 16.29%



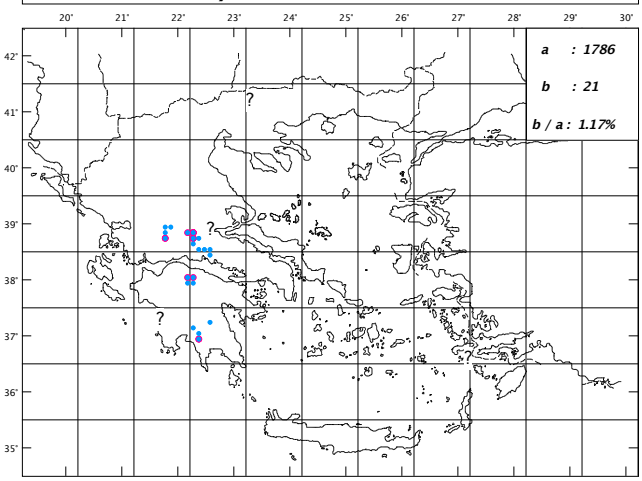


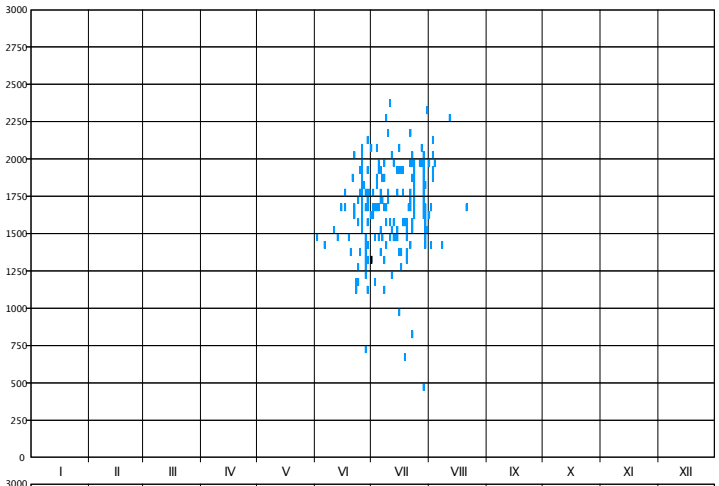


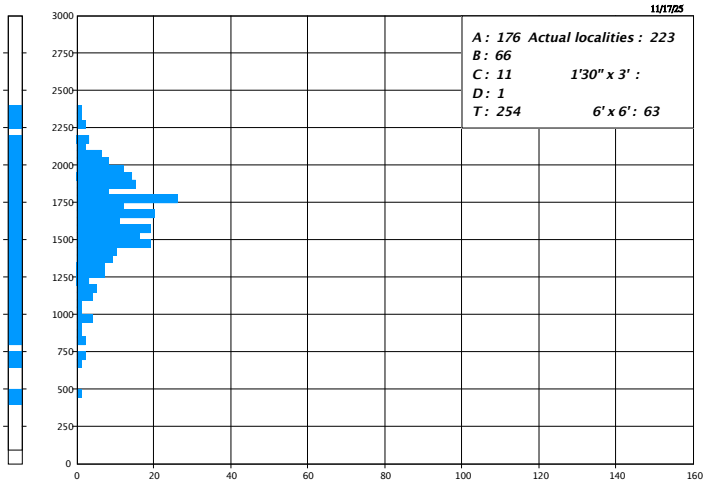


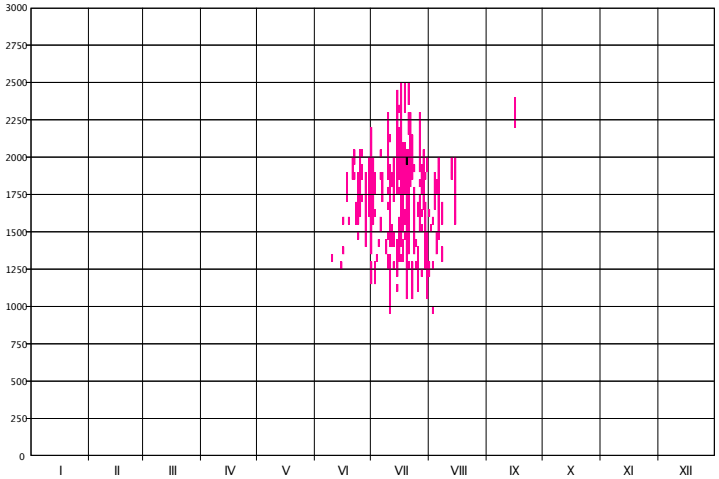


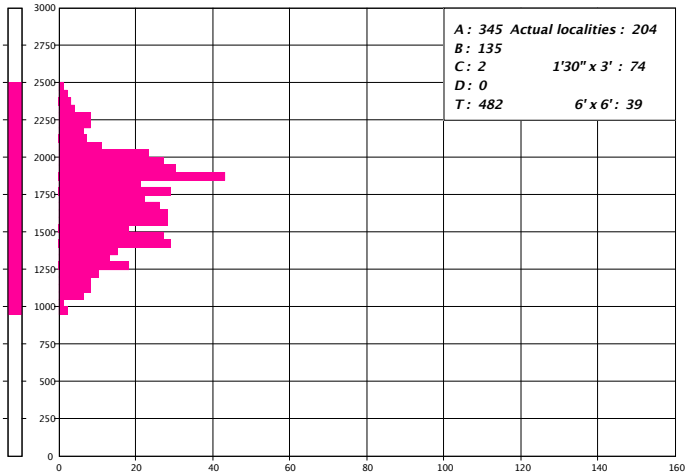
LYCAENIDAE *Lycaena thetis*

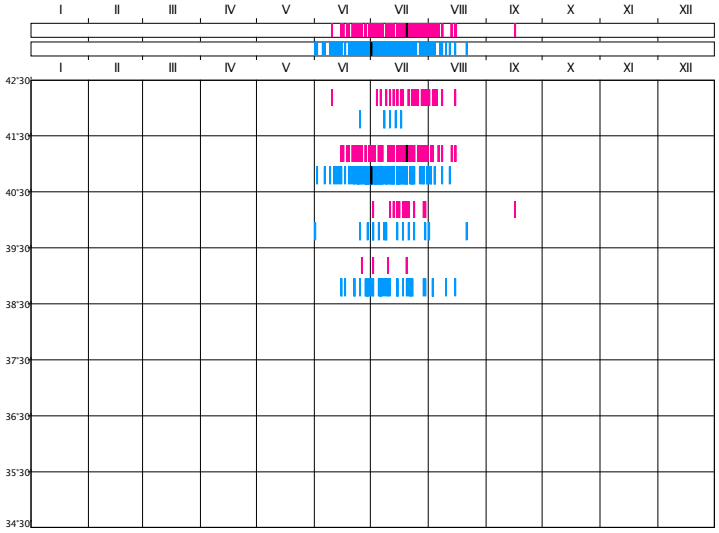




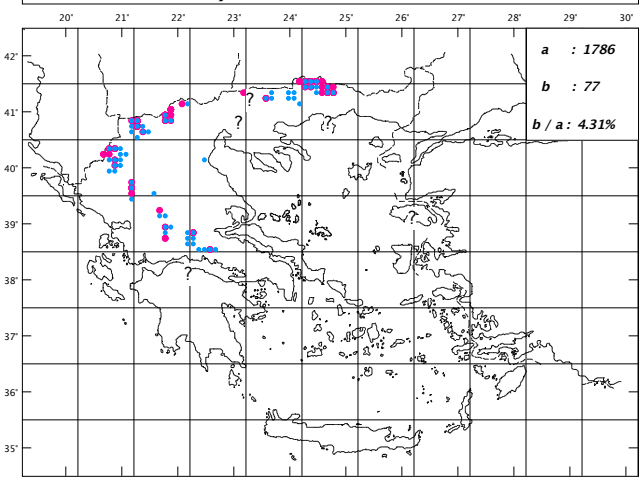


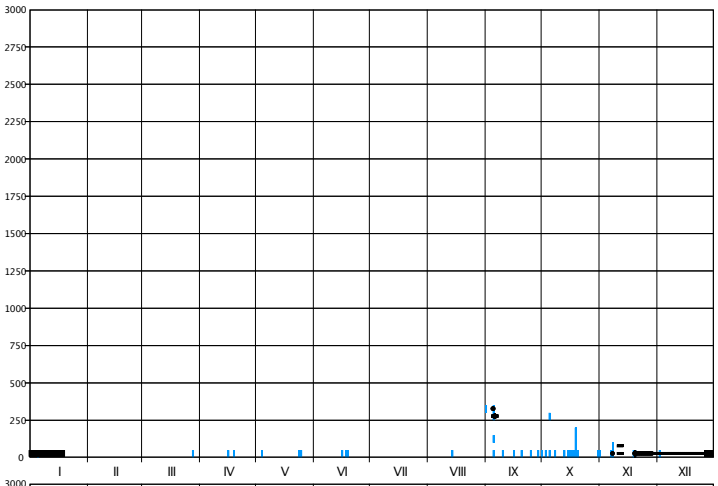


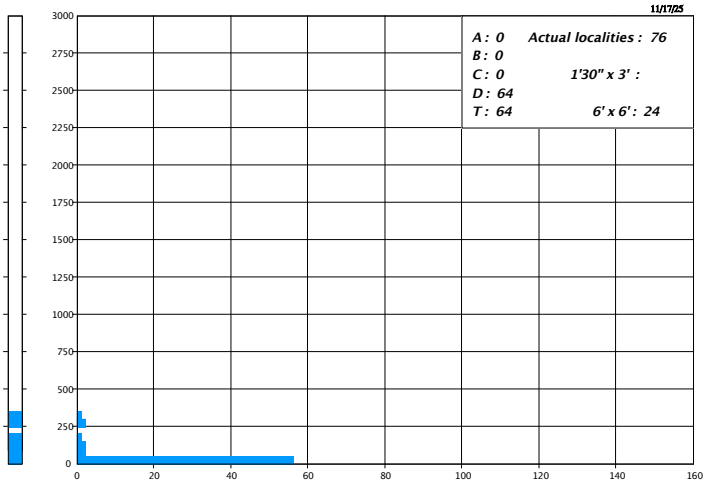


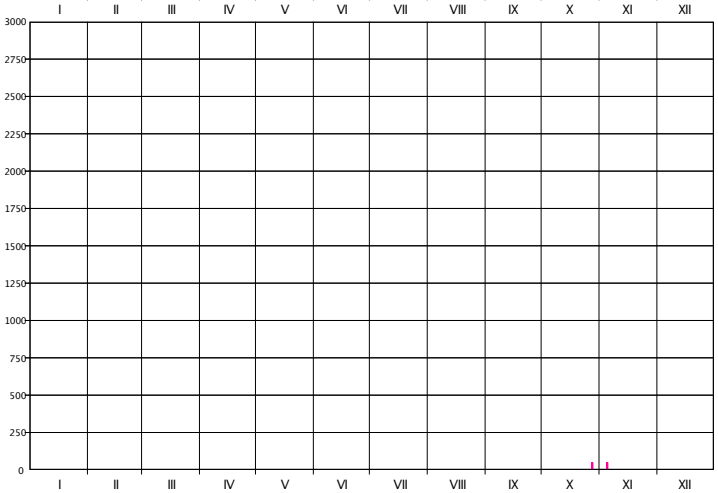


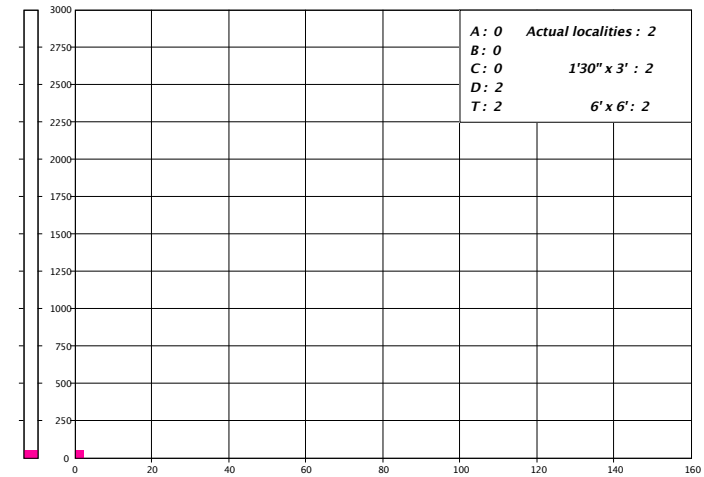
LYCAENIDAE *Lycaena candens*



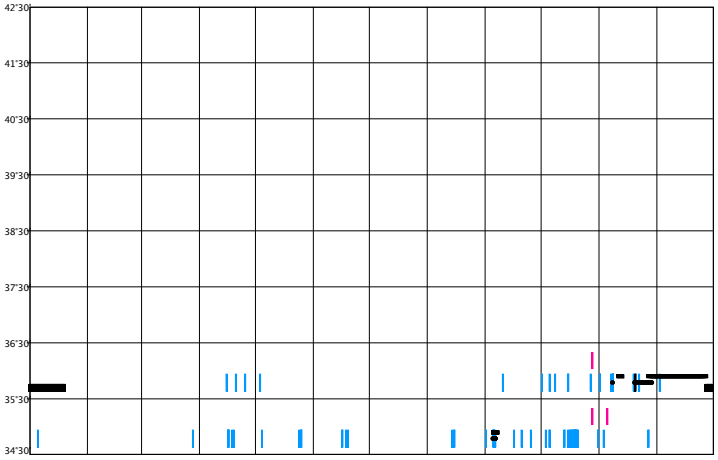


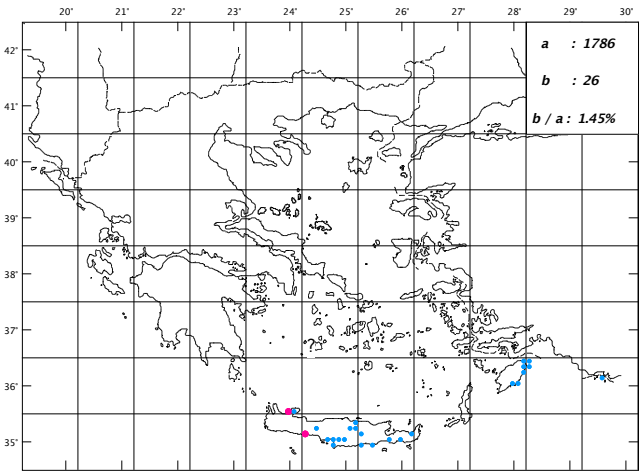


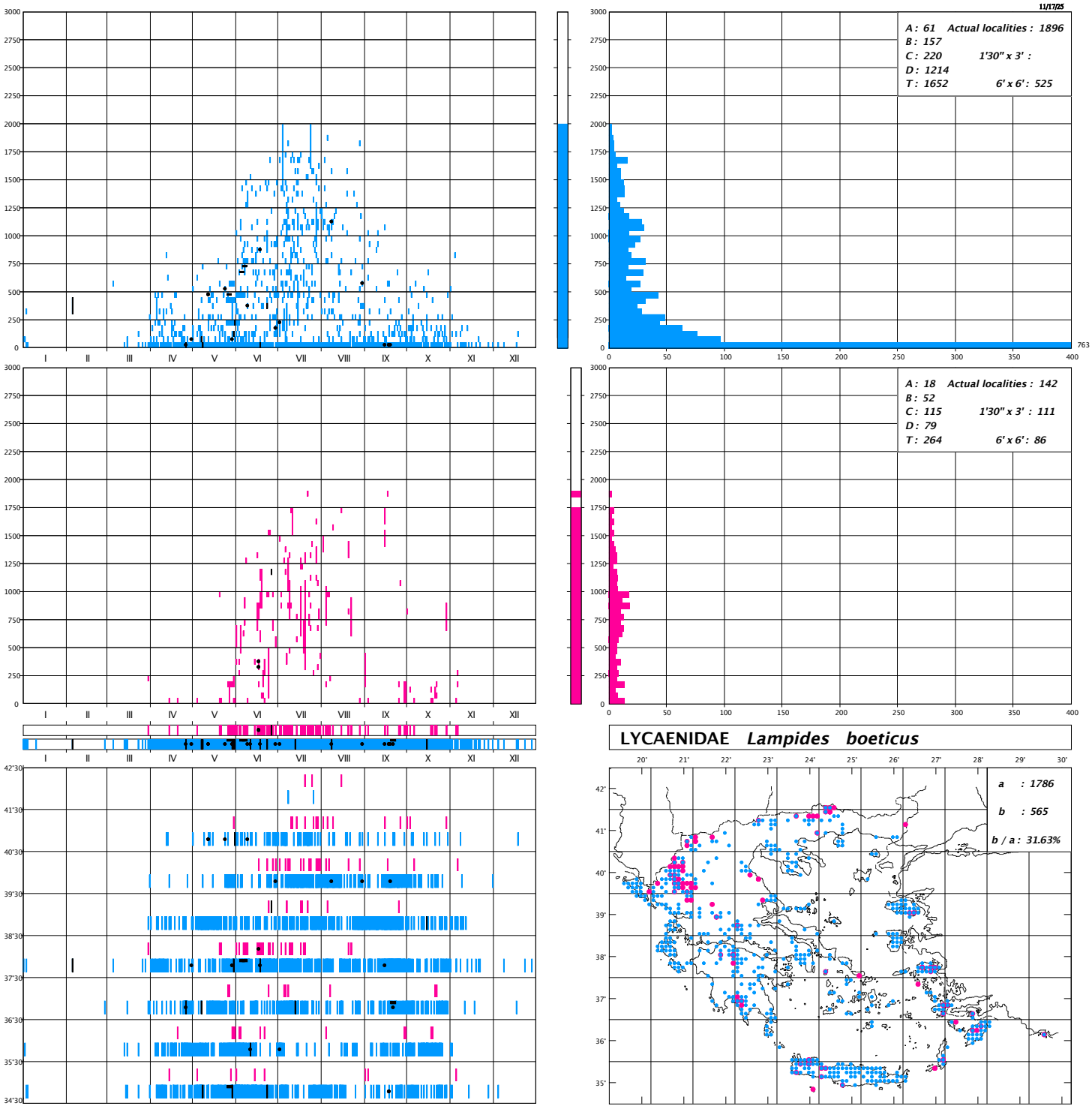


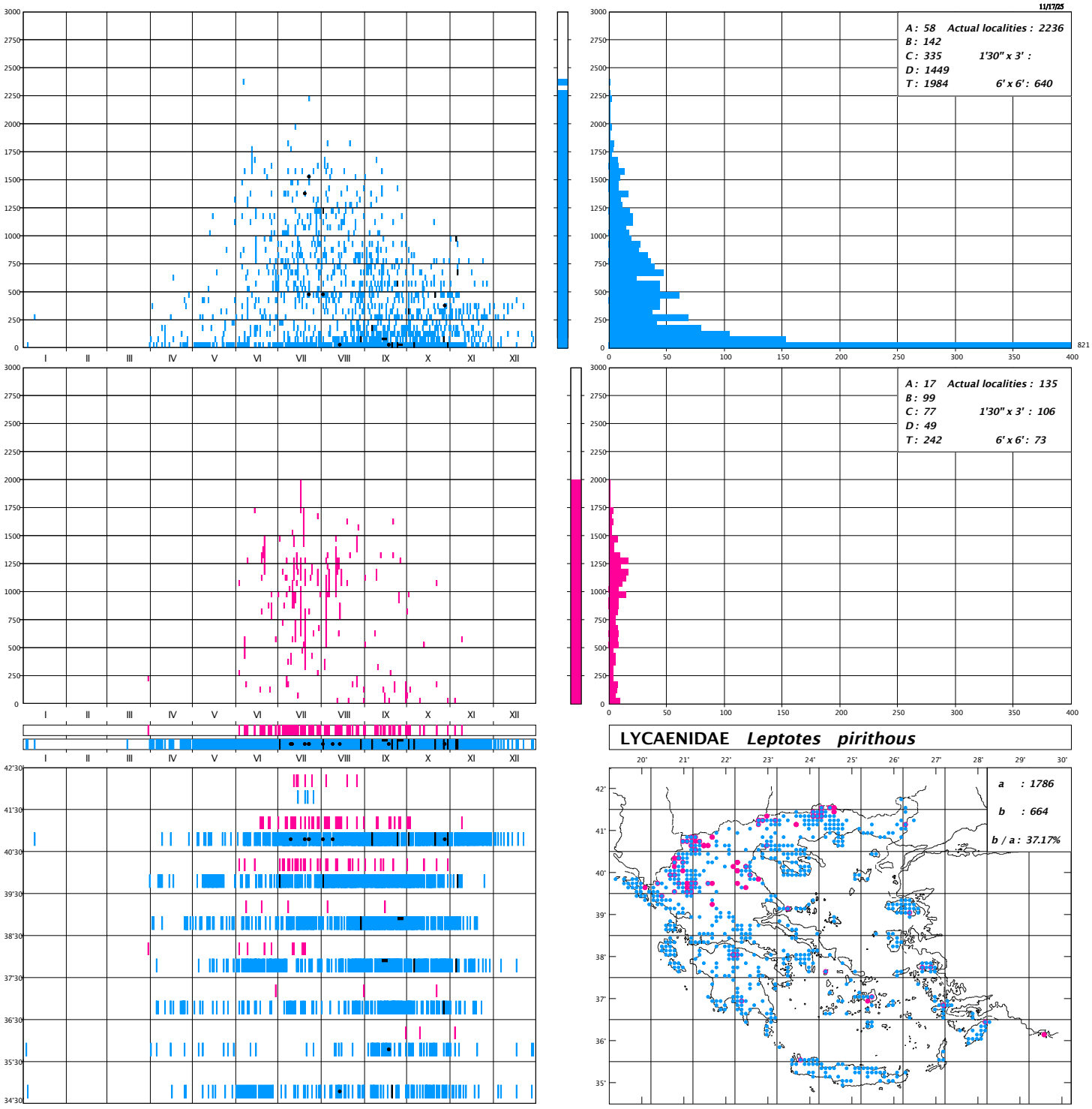


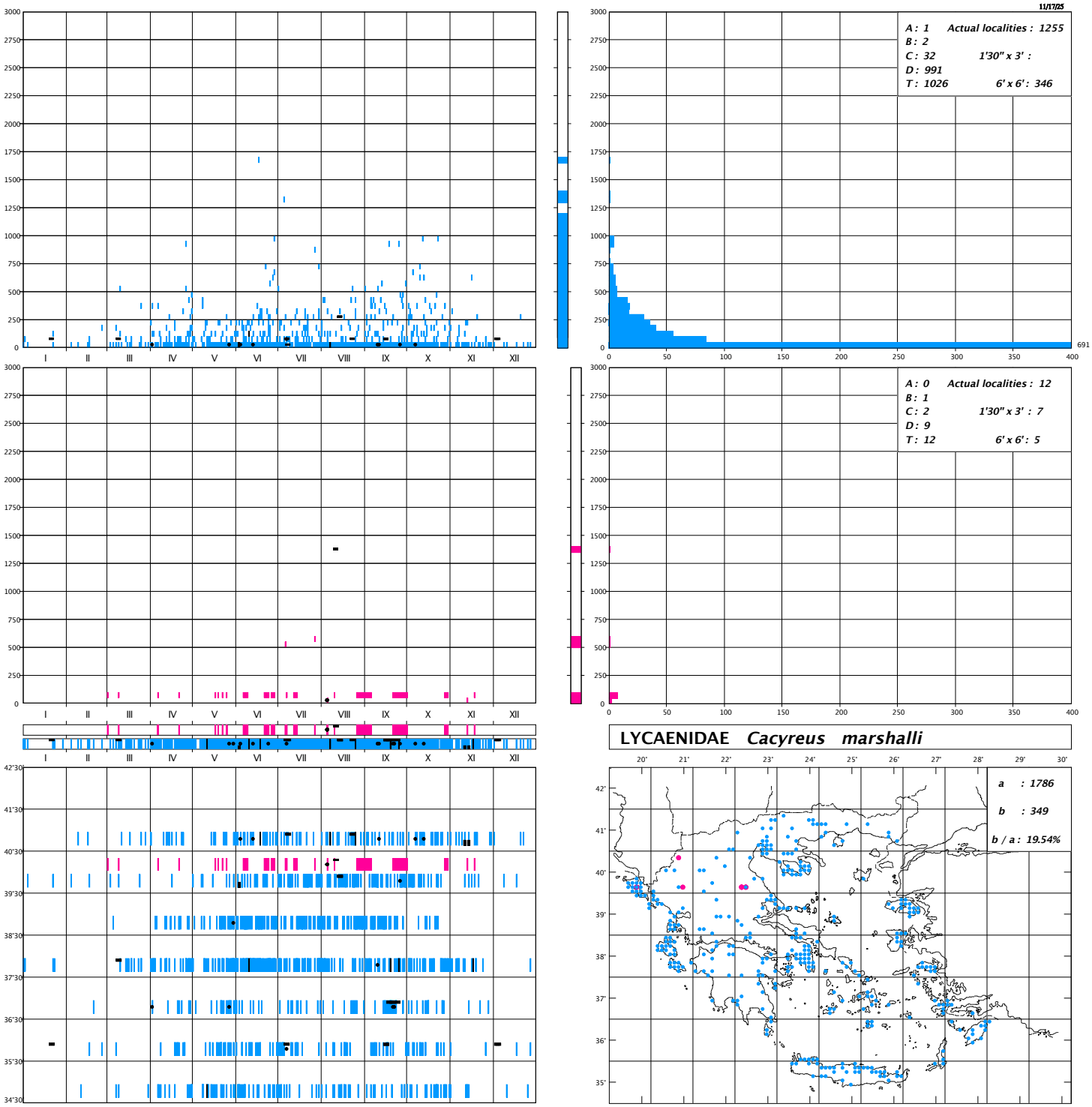
LYCAENIDAE *Zizeeria karsandra*

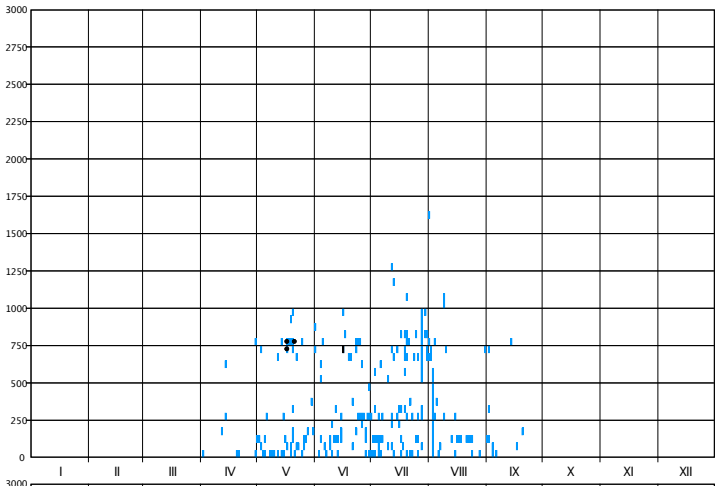


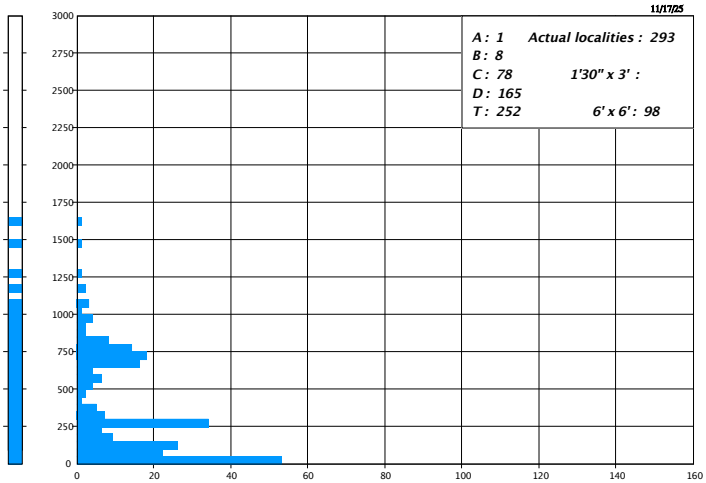


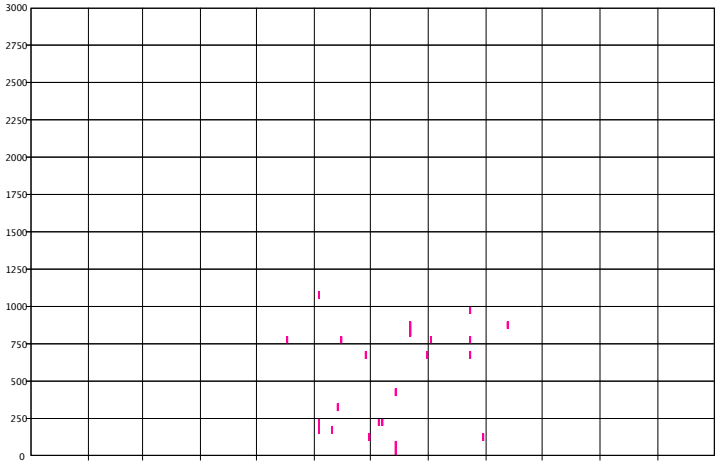

11/17/25
A : 61 Actual localities : 1896
B : 157
C : 220 1'30" x 3' :
D : 1214
T : 1652 6' x 6' : 525
763
A : 18 Actual localities : 142
B : 52
C : 115 1'30" x 3' : 111
D : 79
T : 264 6' x 6' : 86
LYCAENIDAE Lampides boeticus
a : 1786
b : 565
b / a : 31.63%

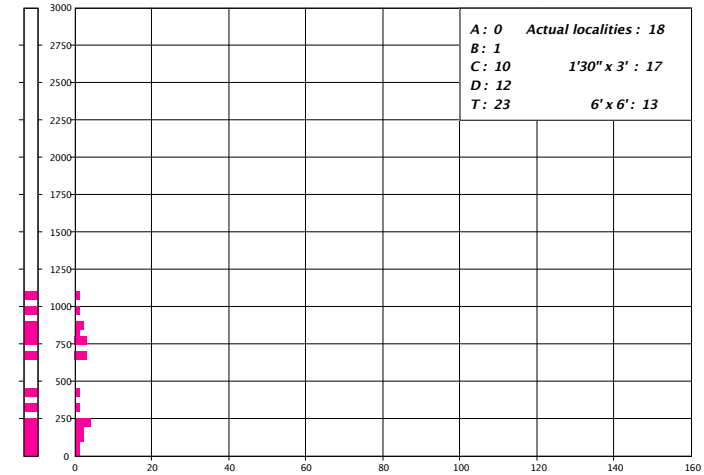

11/17/25
A : 58 Actual localities : 2236
B : 142
C : 335 1'30" x 3' :
D : 1449
T : 1984 6' x 6' : 640
821
A : 17 Actual localities : 135
B : 99
C : 77 1'30" x 3' : 106
D : 49
T : 242 6' x 6' : 73
LYCAENIDAE Leptotes pirithous
a : 1786
b : 664
b / a : 37.17%

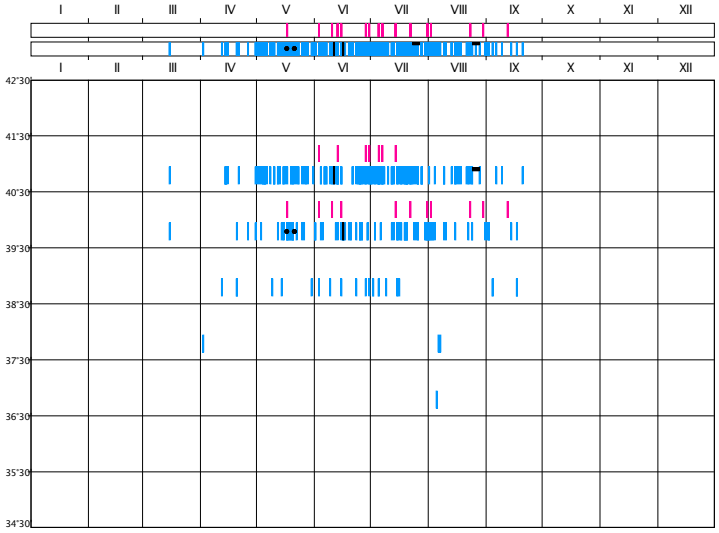

11/17/25
A : 1 Actual localities : 1255
B : 2
C : 32 1'30" x 3' :
D : 991
T : 1026 6' x 6' : 346
691
A : 0 Actual localities : 12
B : 1
C : 2 1'30" x 3' : 7
D : 9
T : 12 6' x 6' : 5
LYCAENIDAE Cacyreus marshalli
a : 1786
b : 349
b / a : 19.54%



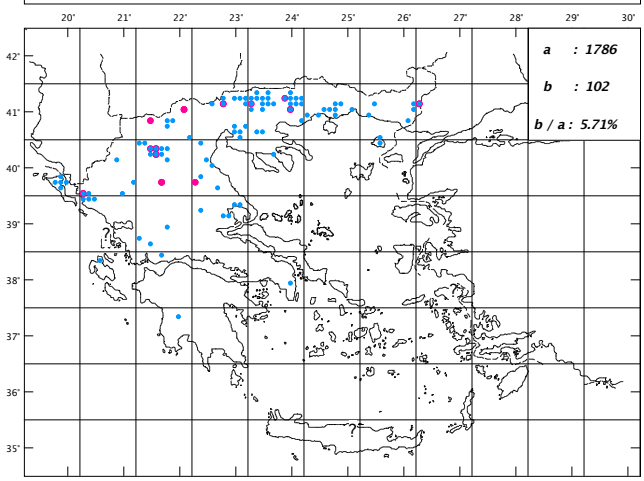


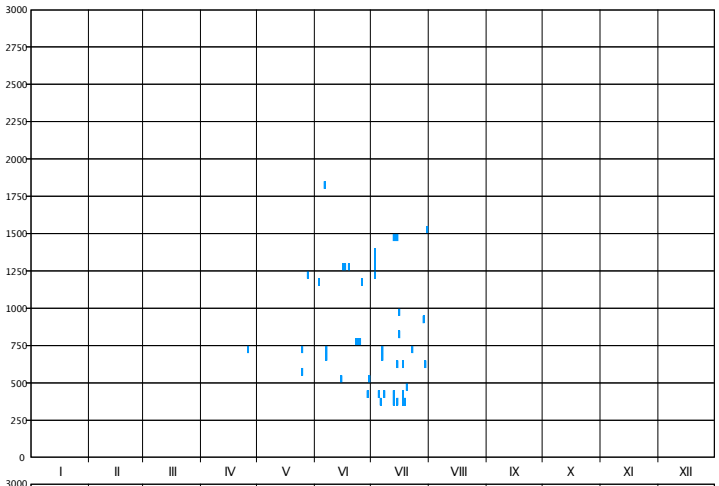


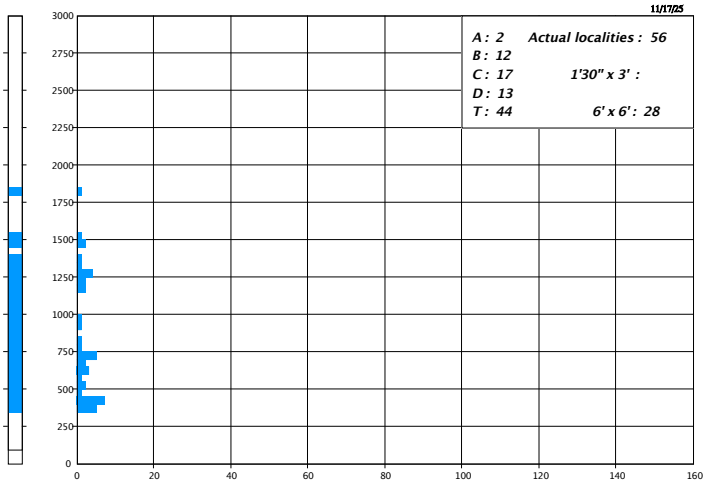


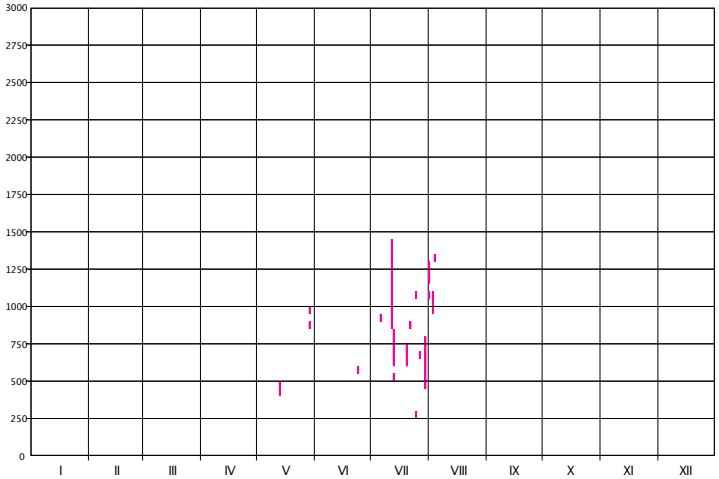


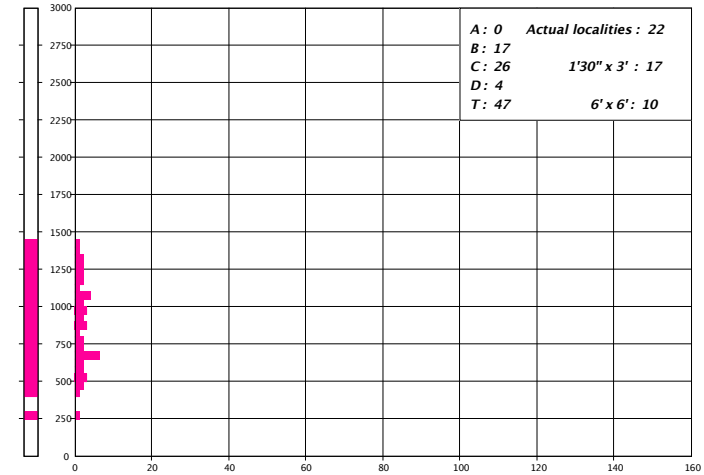
LYCAENIDAE *Tarucus balkanicus*

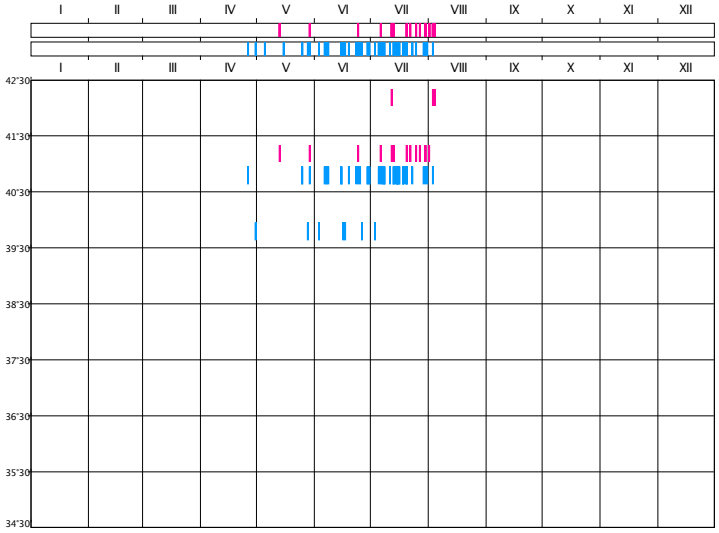




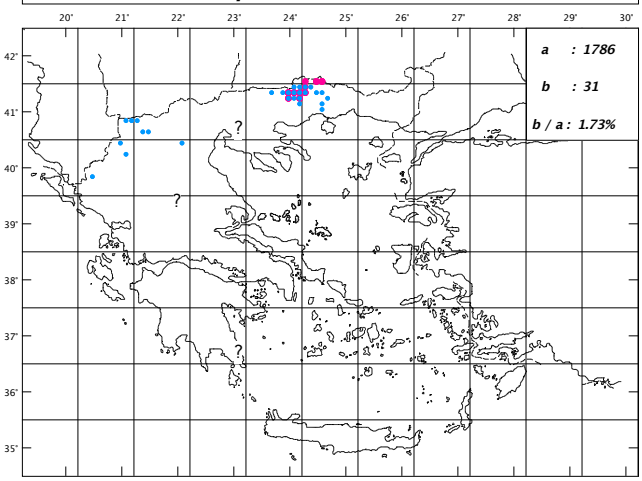


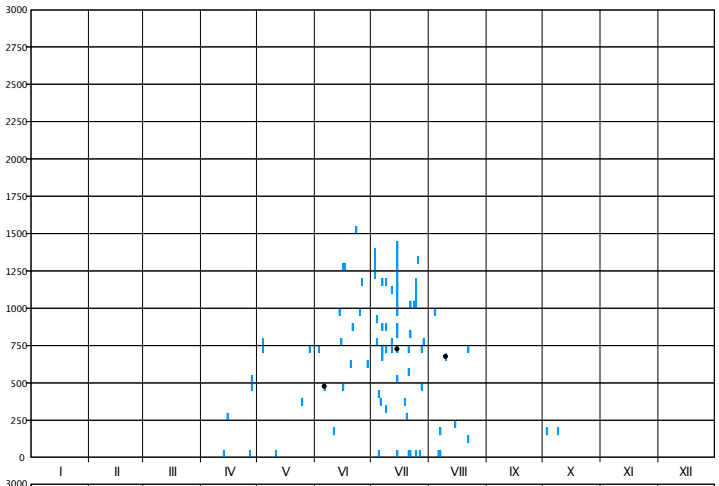


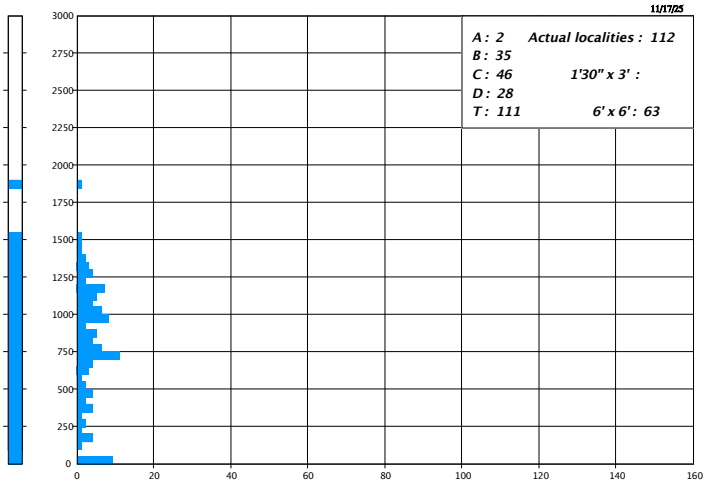


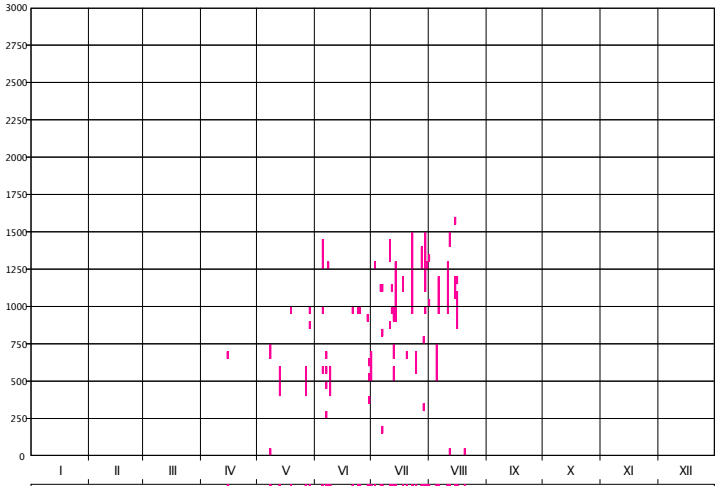


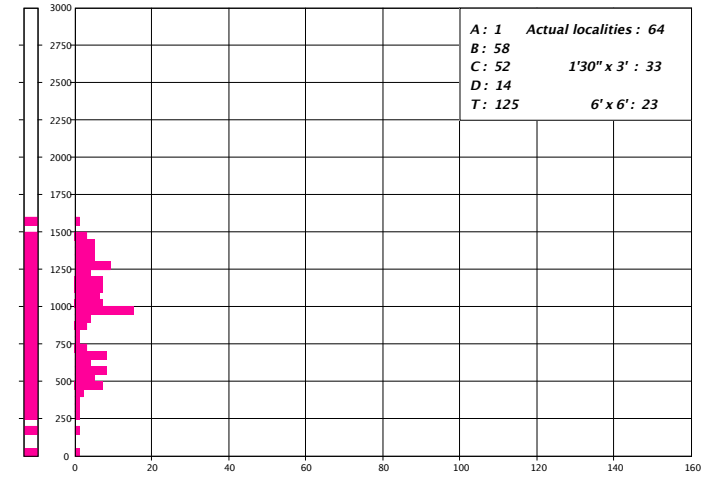
LYCAENIDAE *Cupido decoloratus*

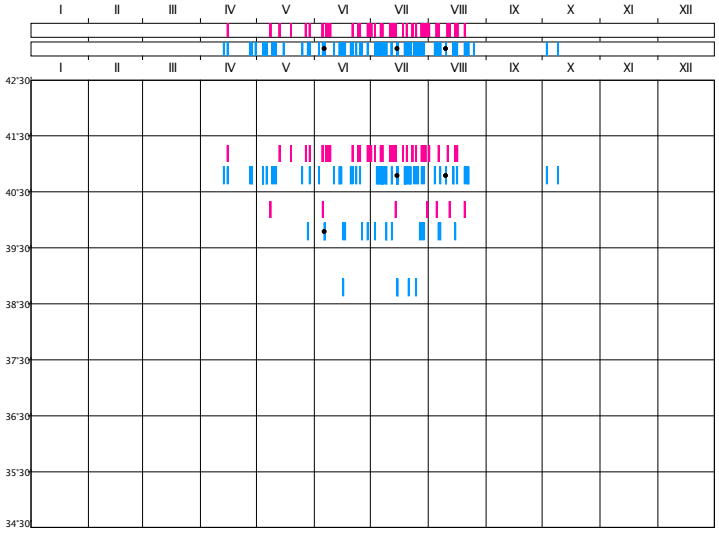




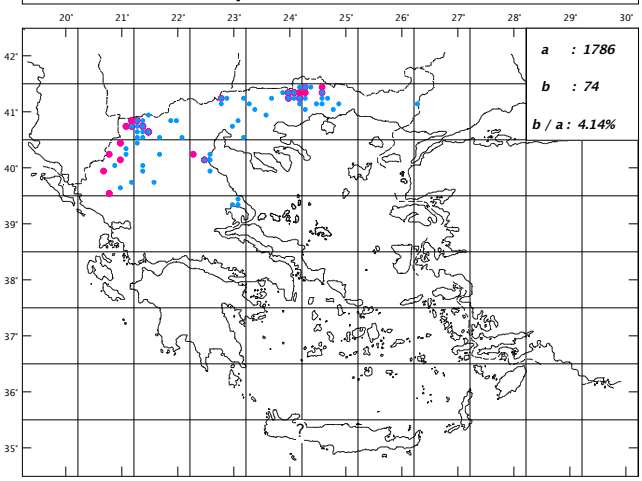


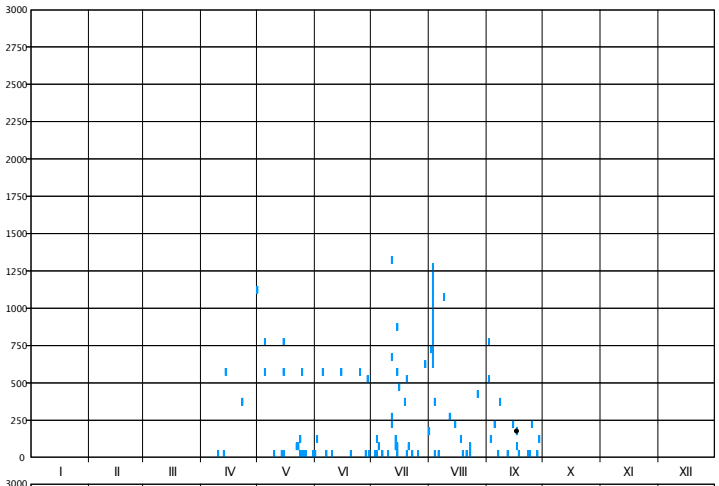


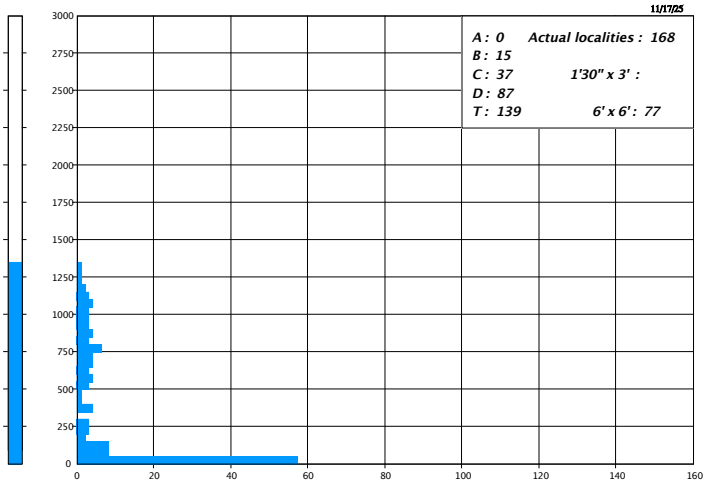


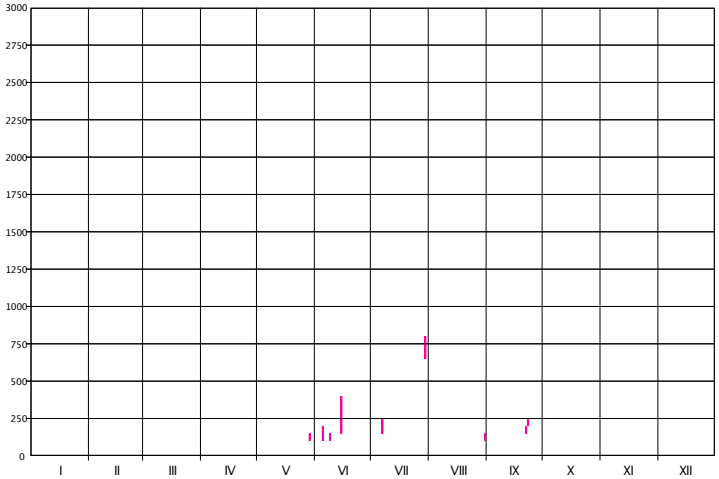


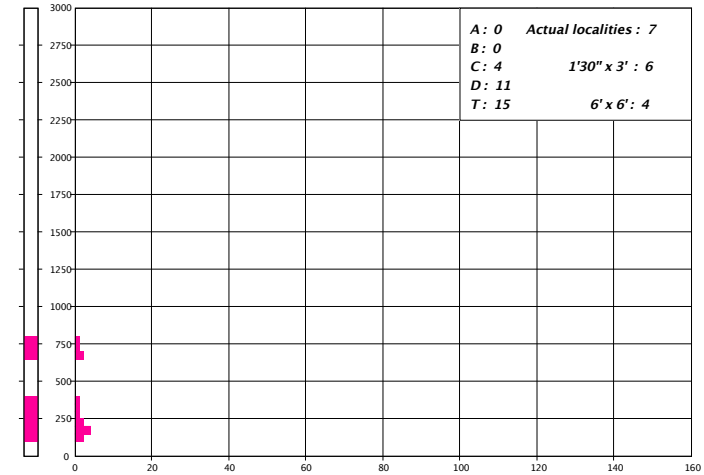
LYCAENIDAE *Cupido alcetas*

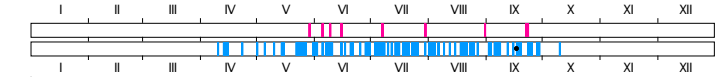




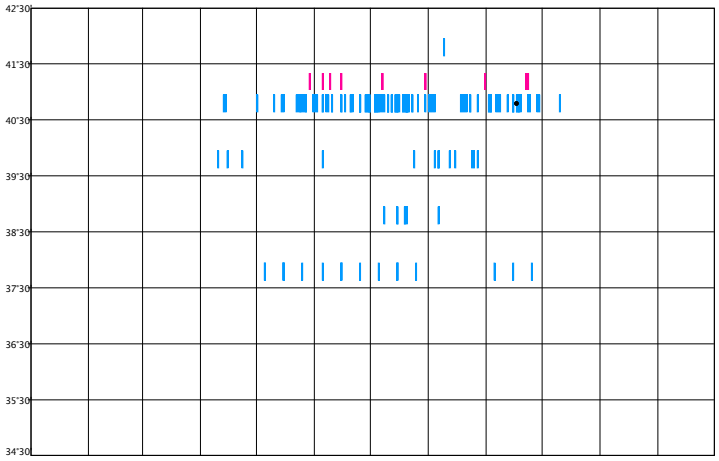


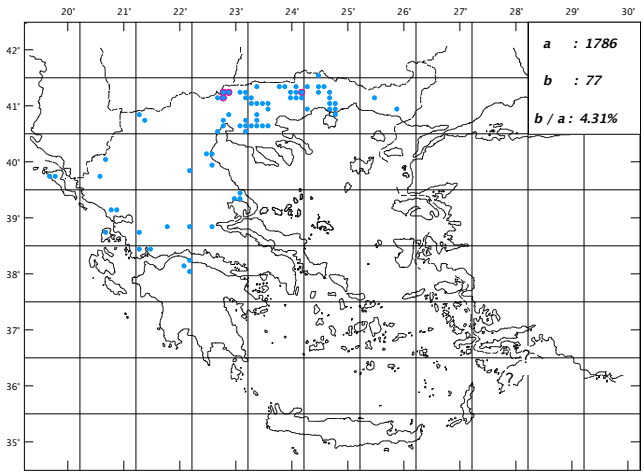


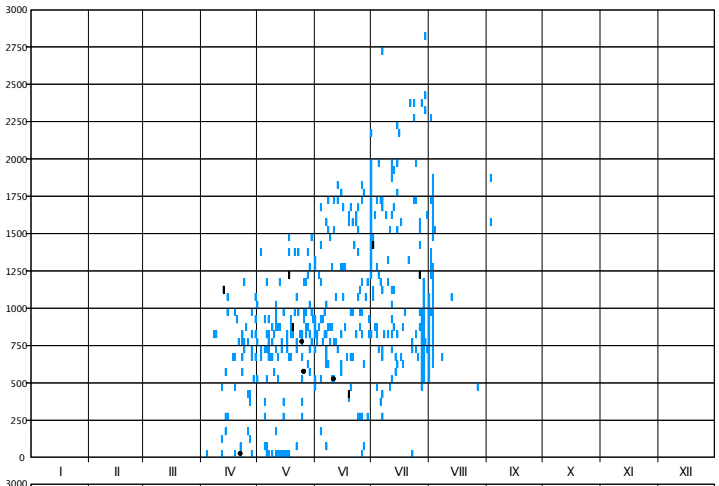


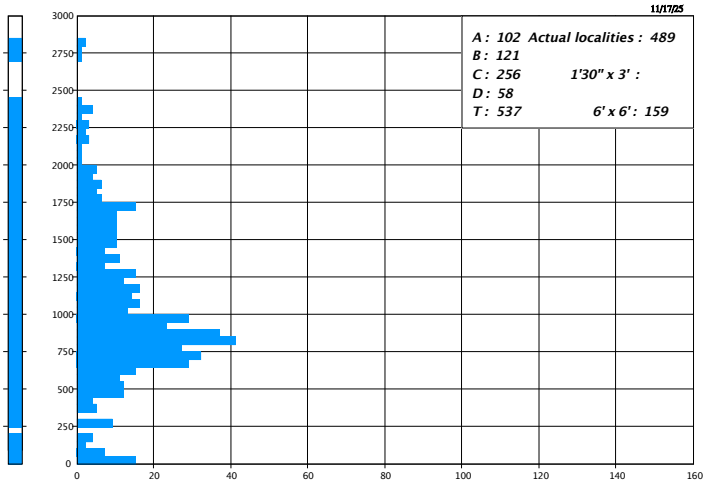


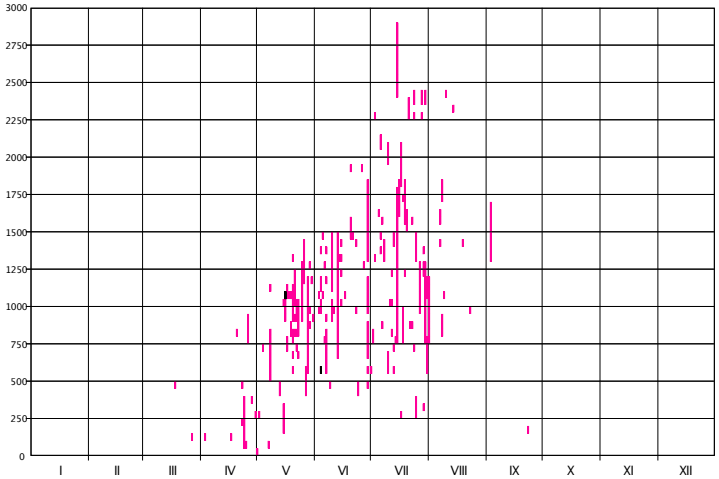
LYCAENIDAE *Cupido argiades*

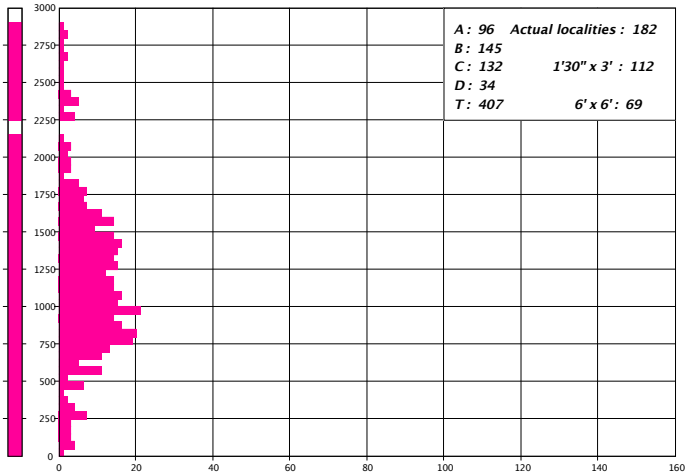




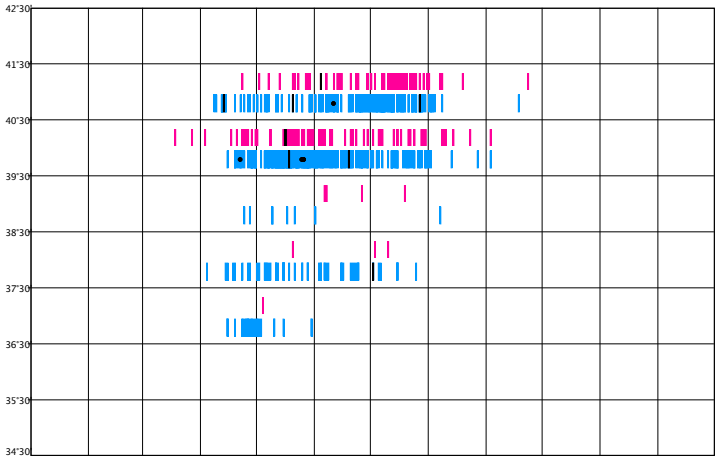


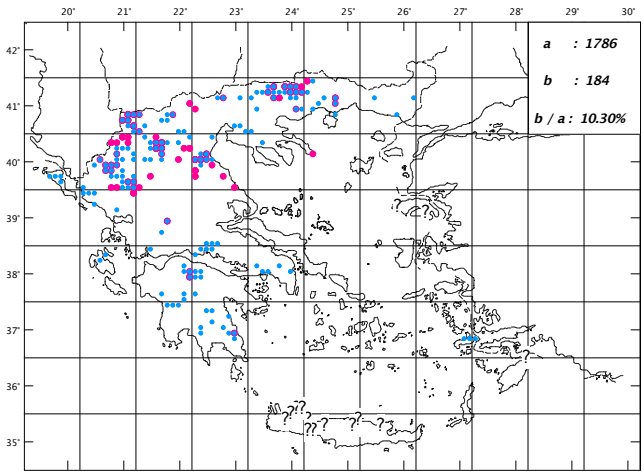


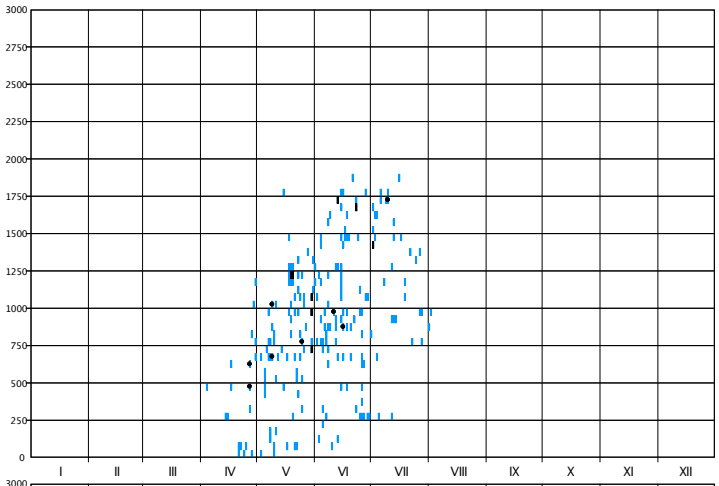


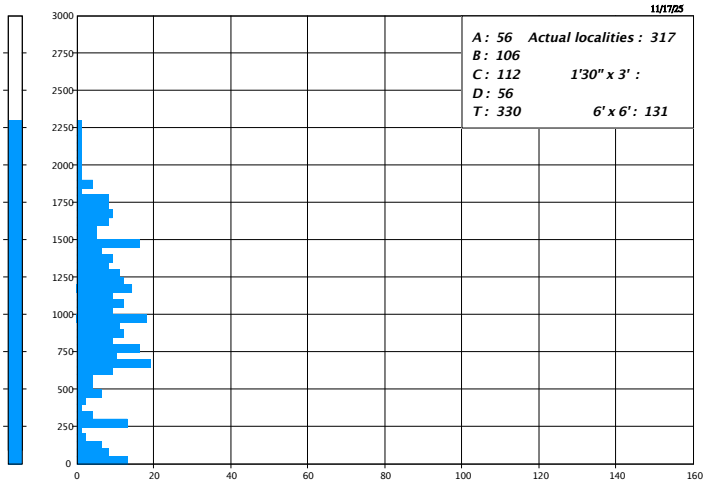


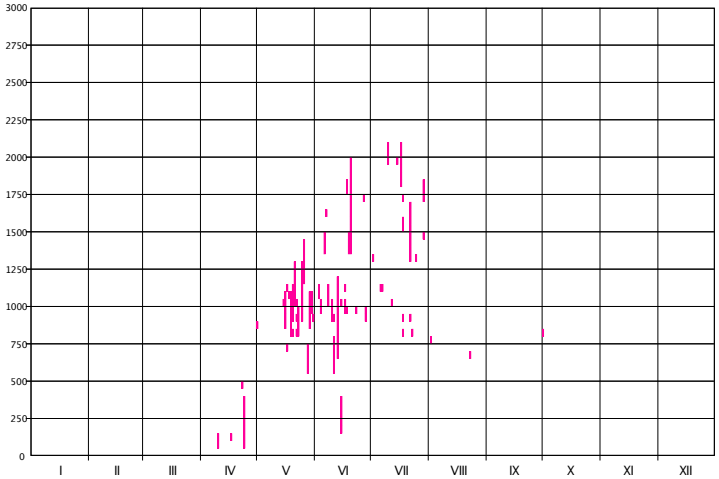
LYCAENIDAE *Cupido minimus*

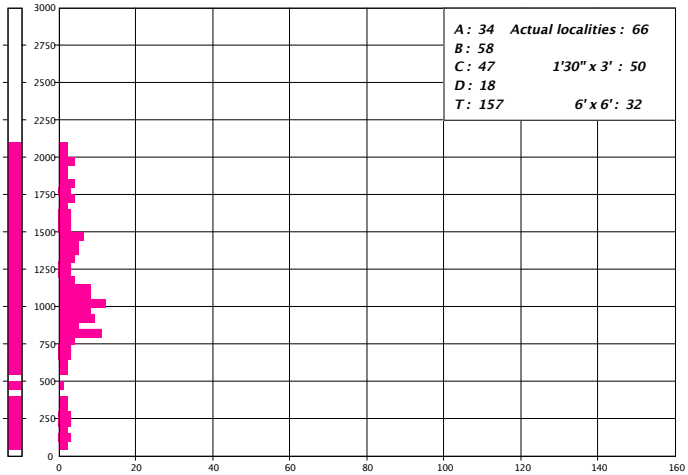


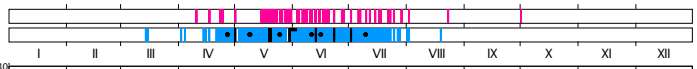




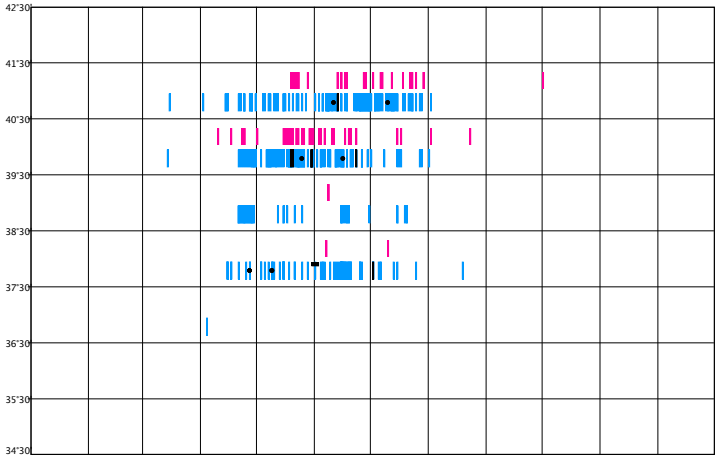


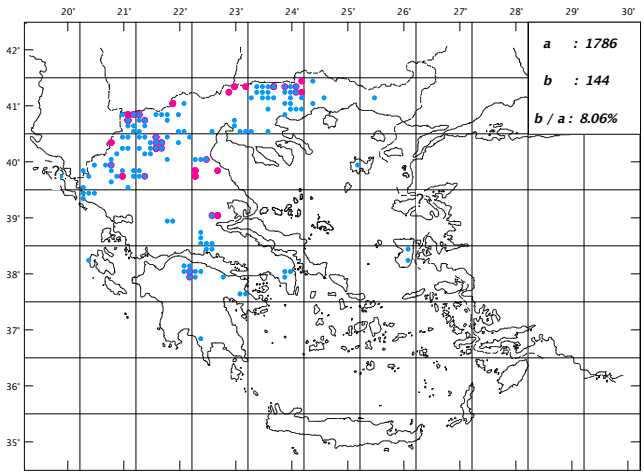


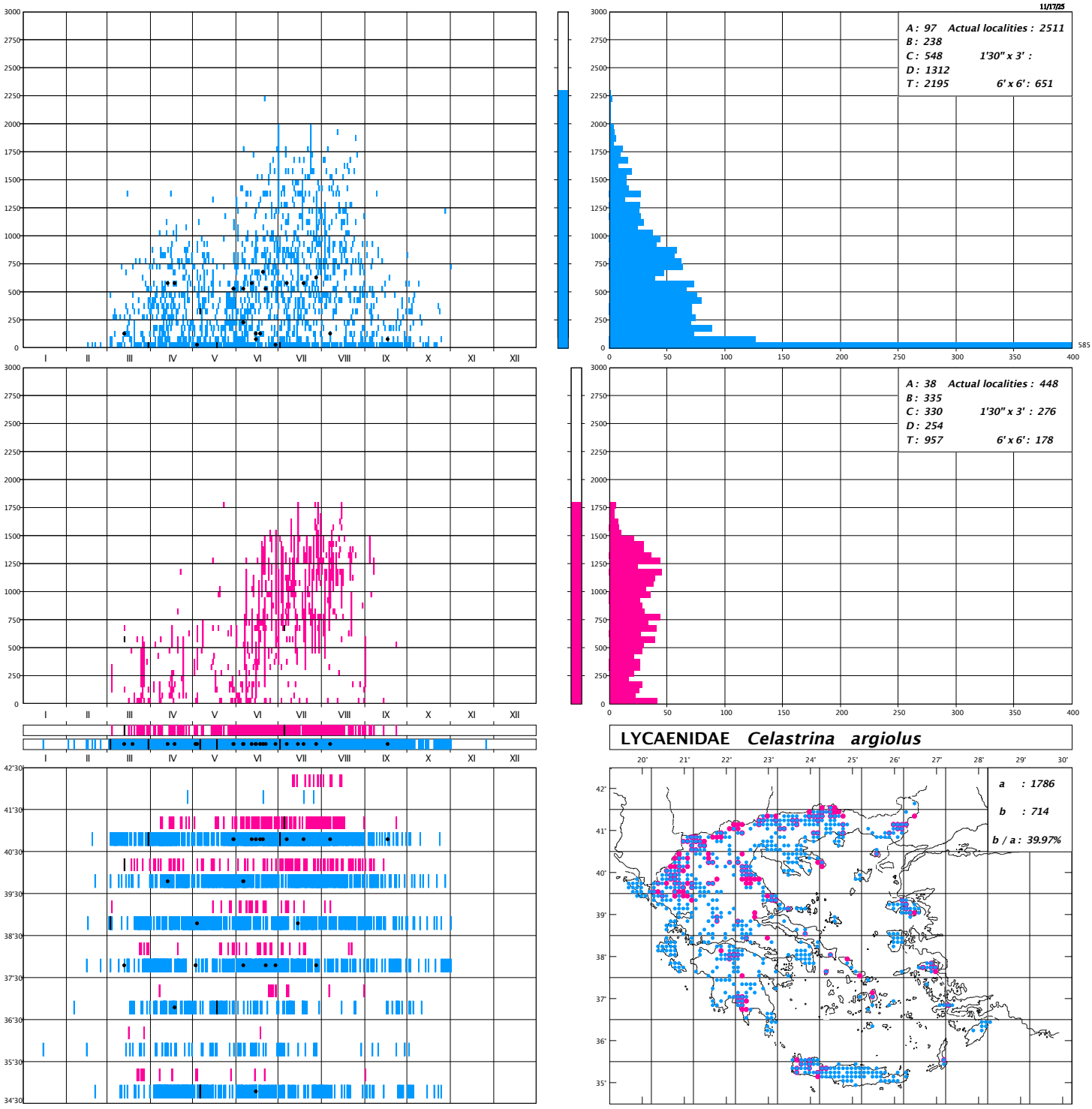


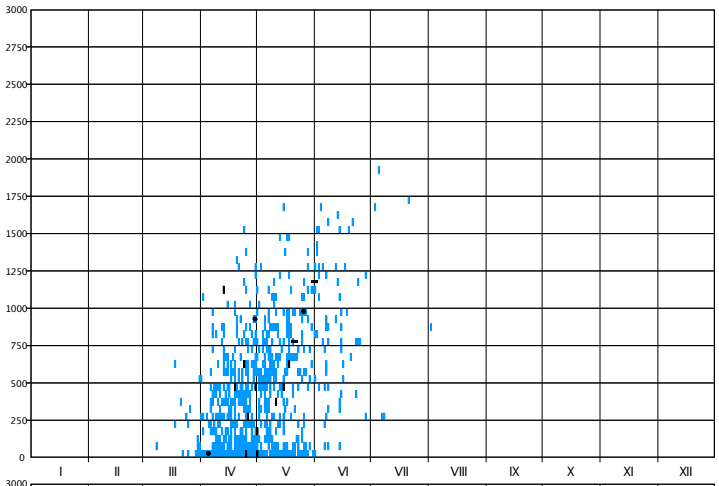


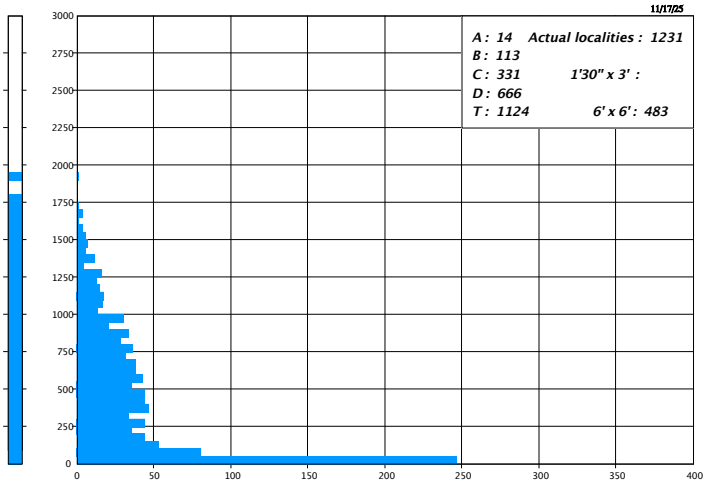
LYCAENIDAE *Cupido osiris*

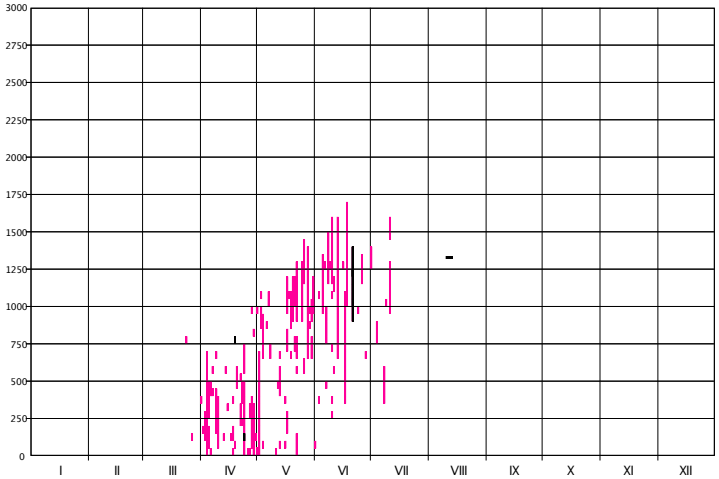


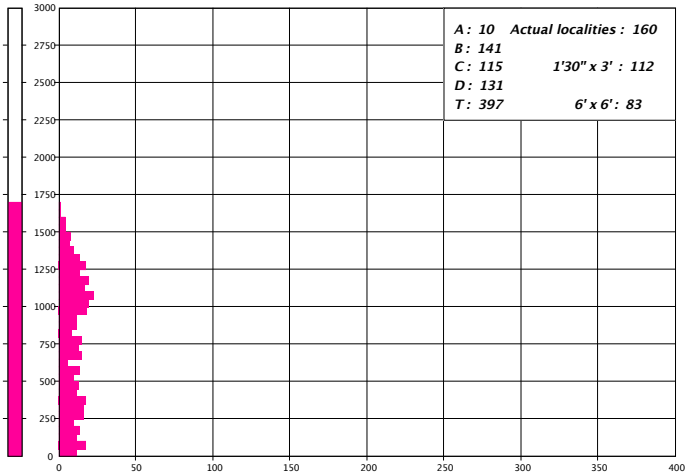


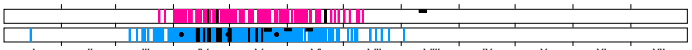

11/17/25
A : 97 Actual localities : 2511
B : 238
C : 548 1'30" x 3' :
D : 1312
T : 2195 6' x 6' : 651
585
A : 38 Actual localities : 448
B : 335
C : 330 1'30" x 3' : 276
D : 254
T : 957 6' x 6' : 178
LYCAENIDAE Celastrina argiolus
a : 1786
b : 714
b / a : 39.97%



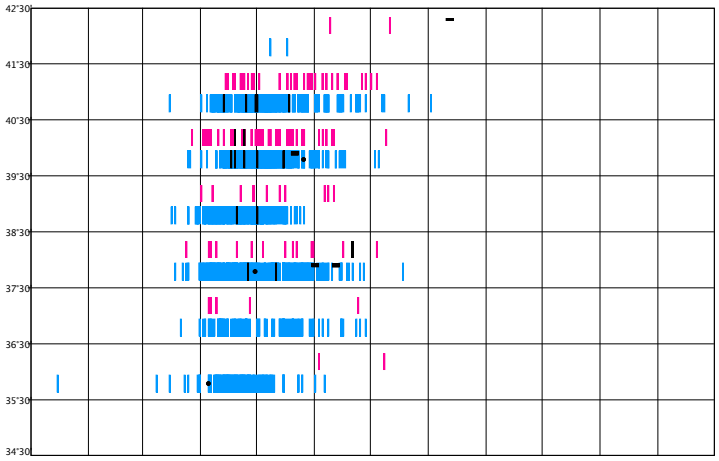


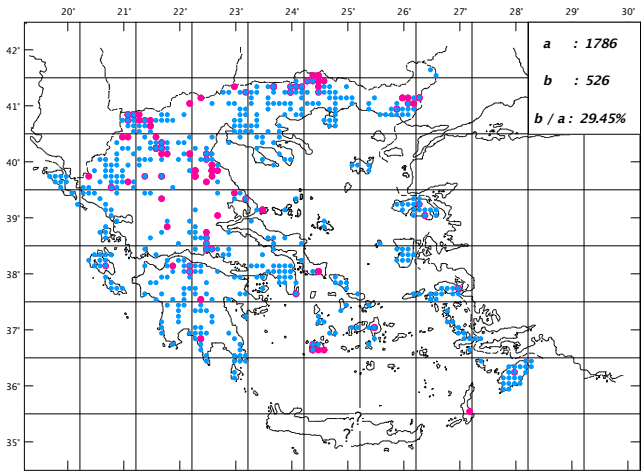


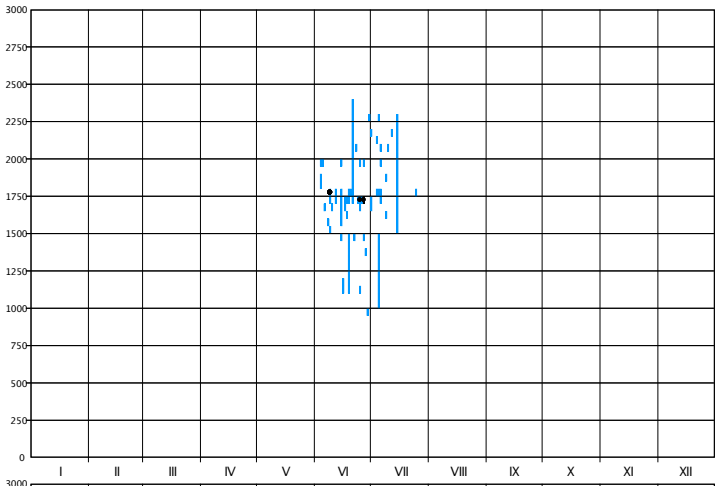


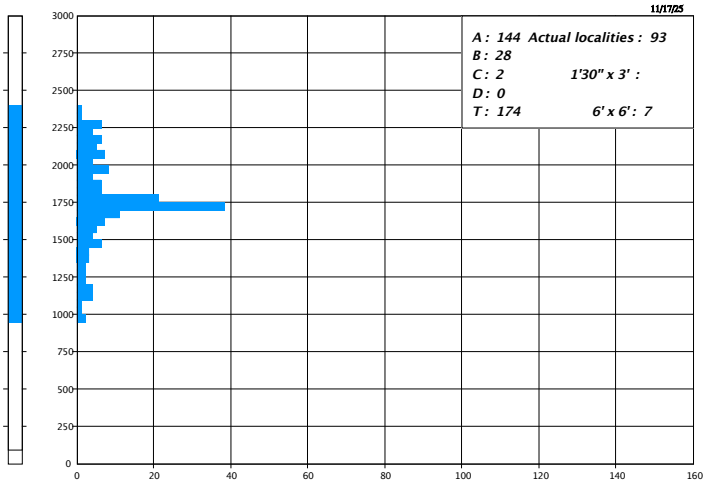


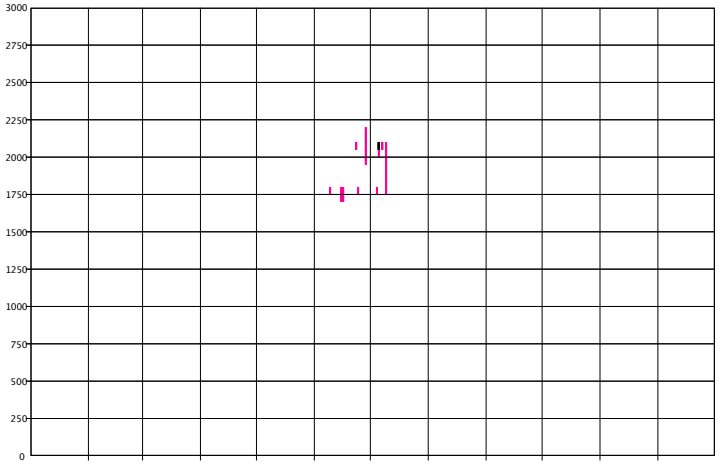
LYCAENIDAE *Glaucopsyche alexis*

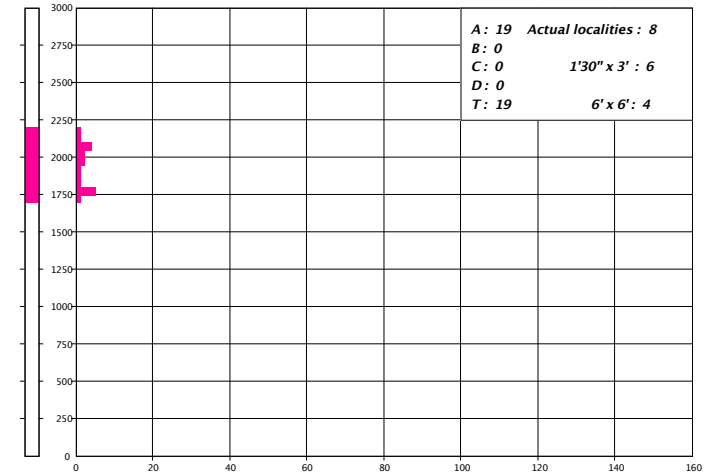


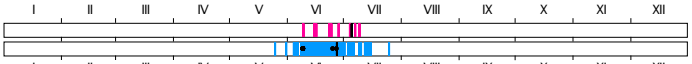




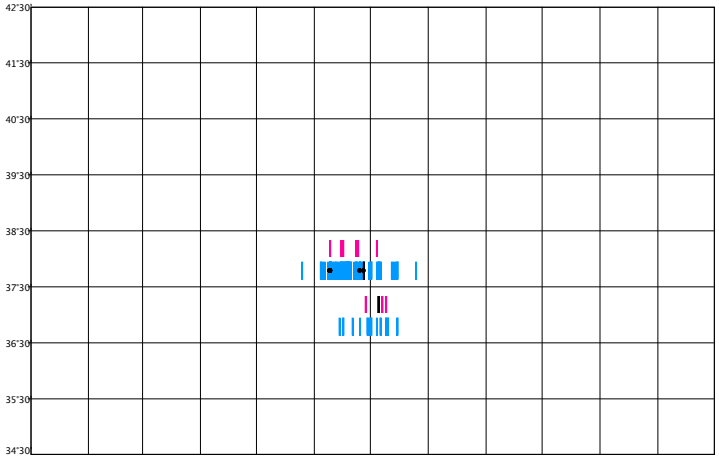


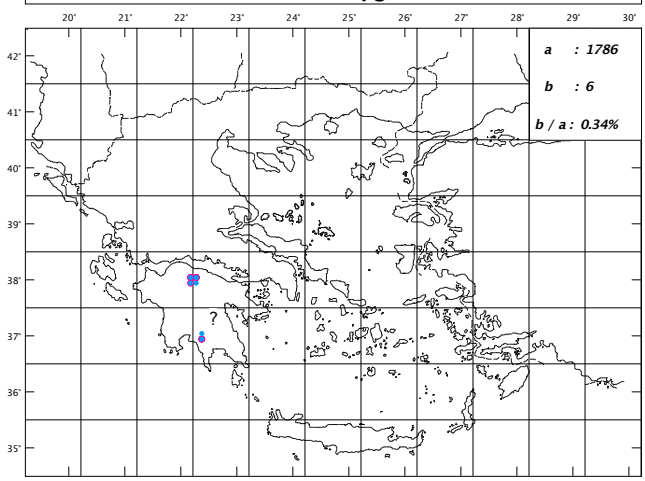


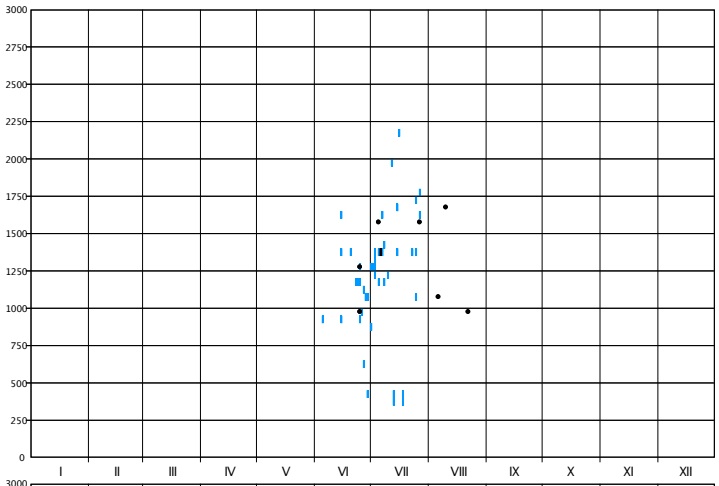


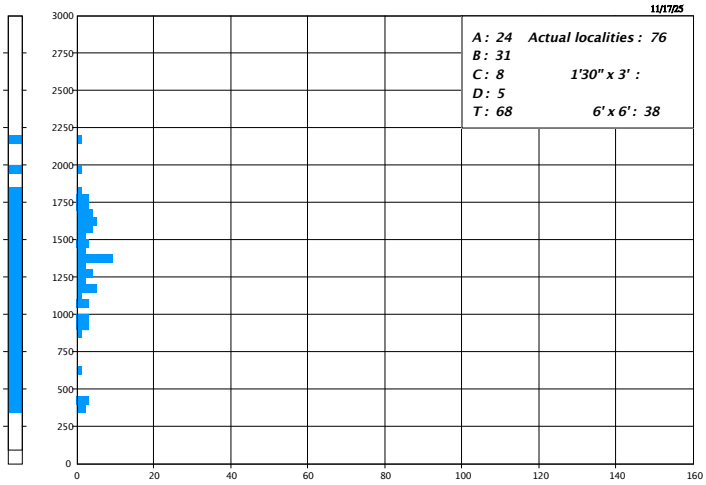


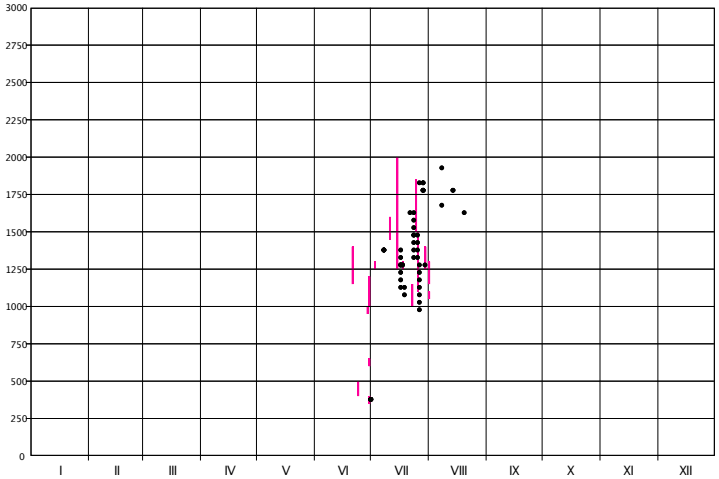
LYCAENIDAE *Turanana taygetica*

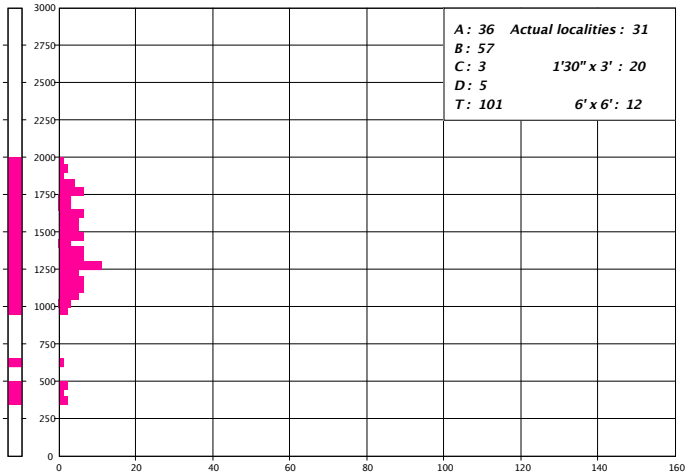


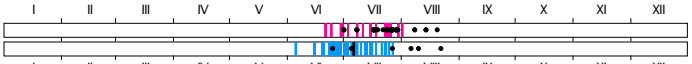




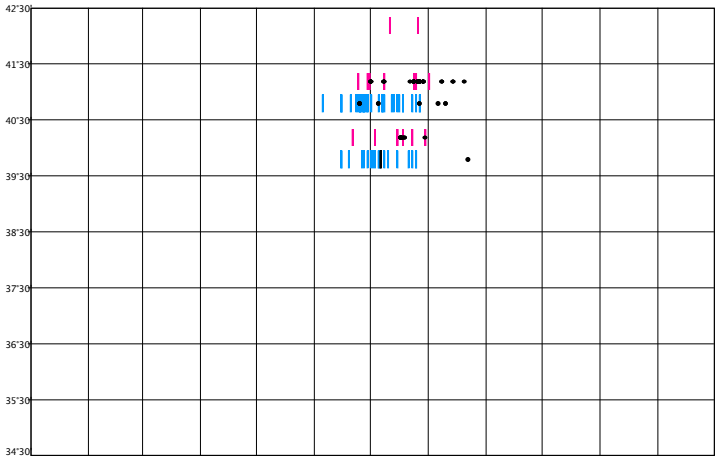


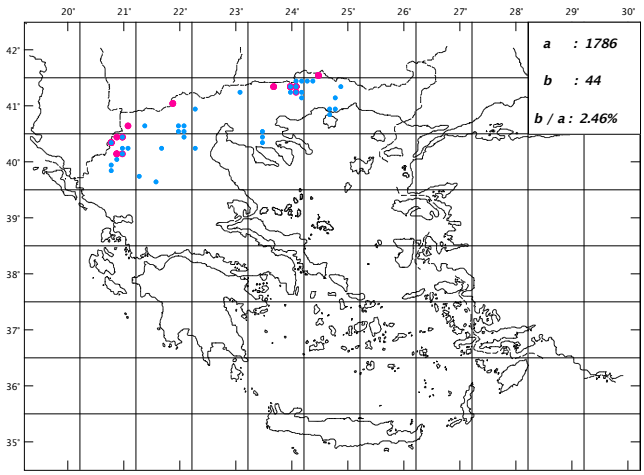


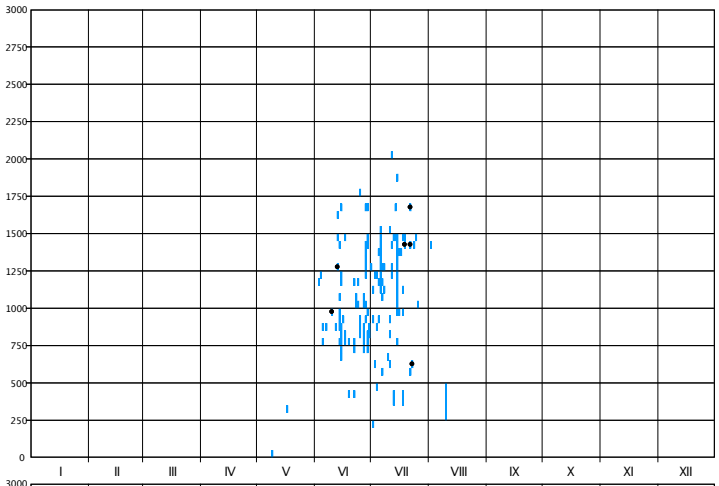


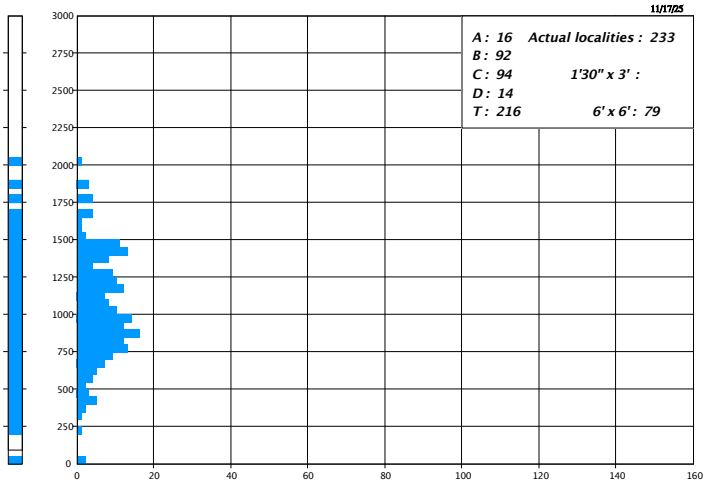


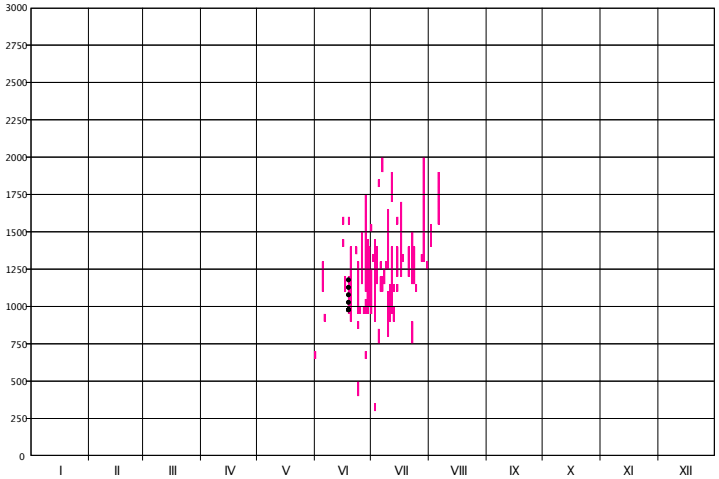
LYCAENIDAE *Phengaris alcon*

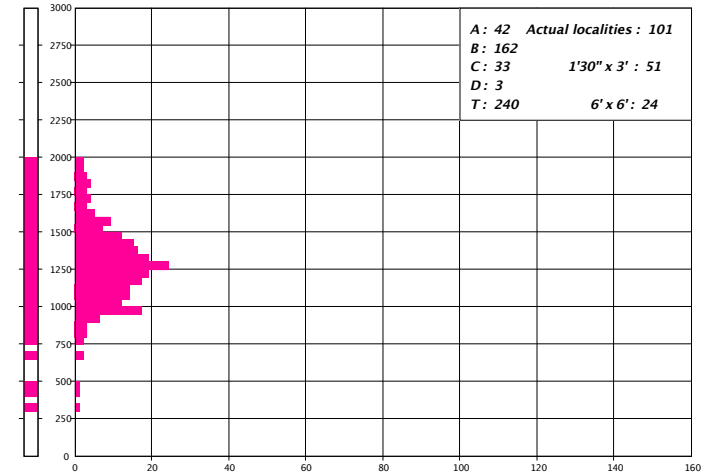


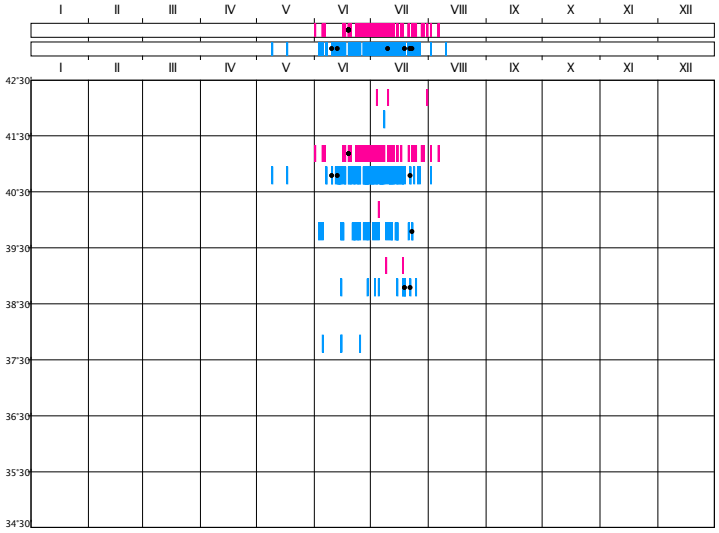




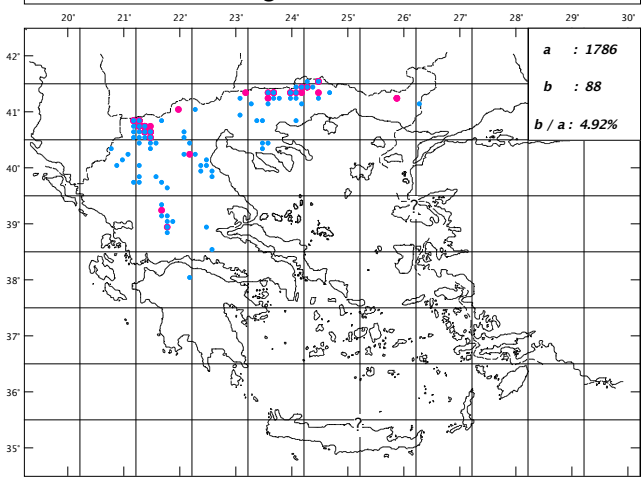


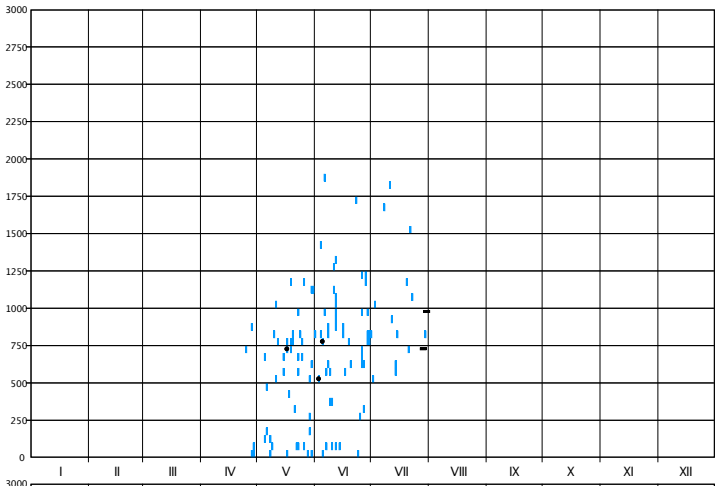


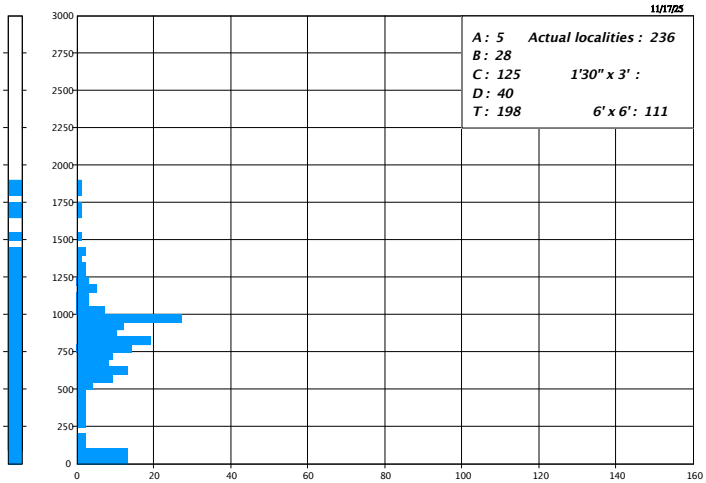


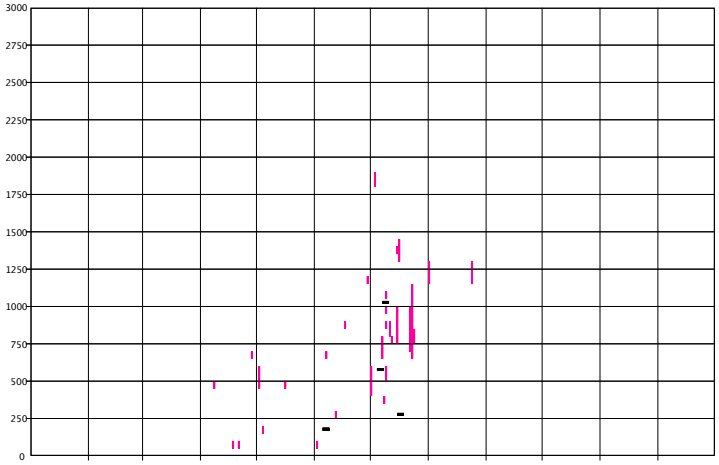


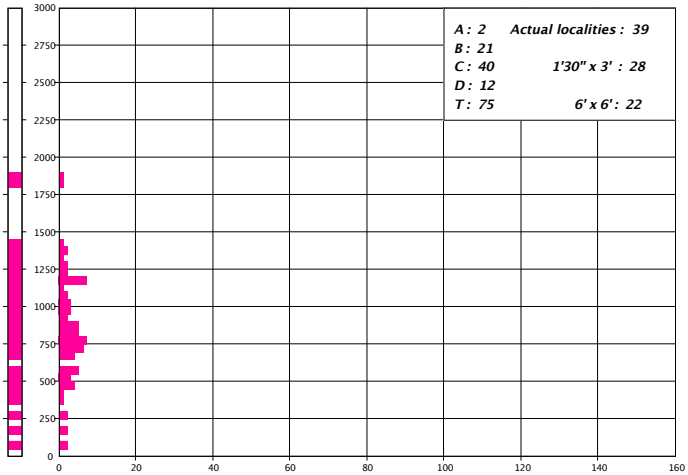
LYCAENIDAE *Phengaris arion*

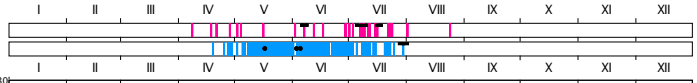




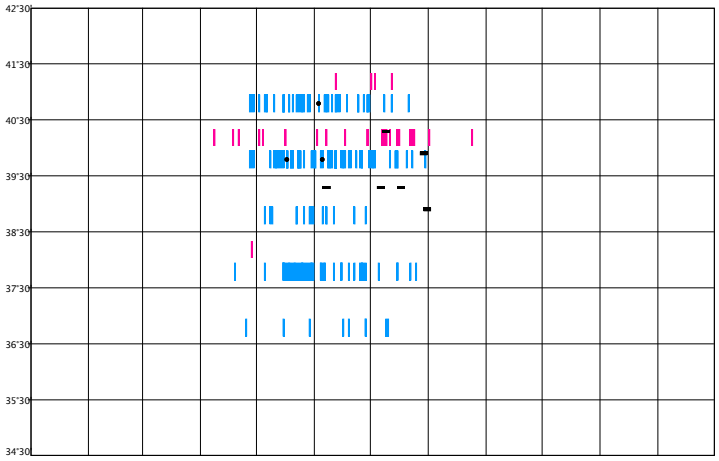


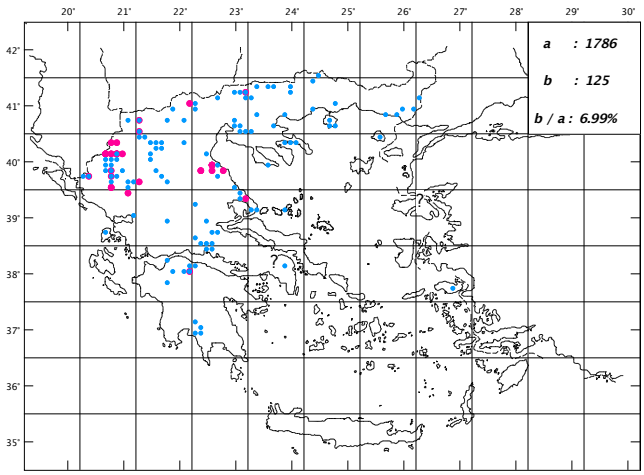


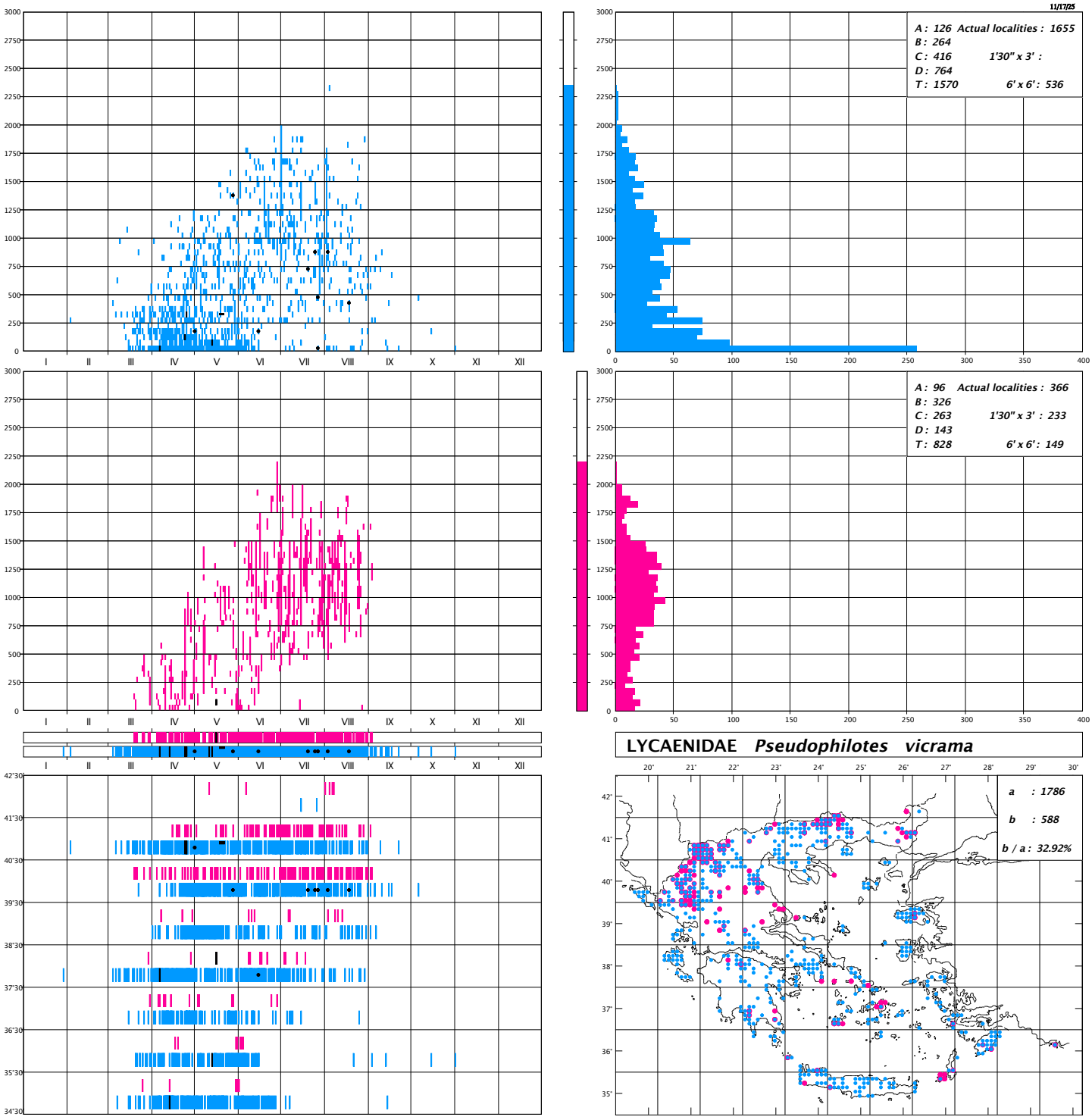


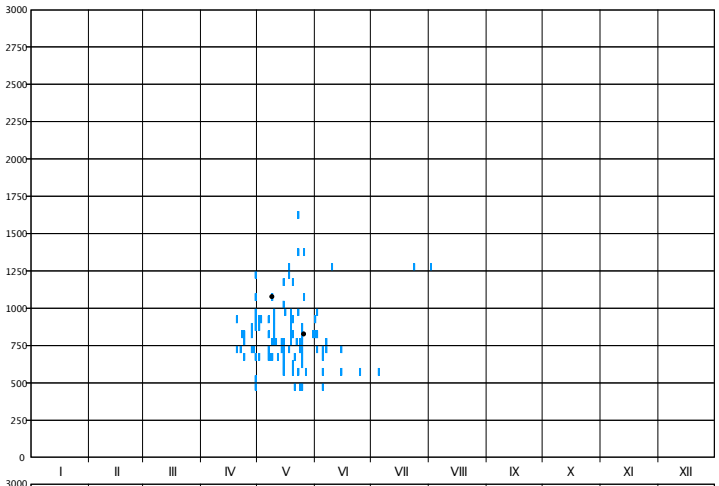


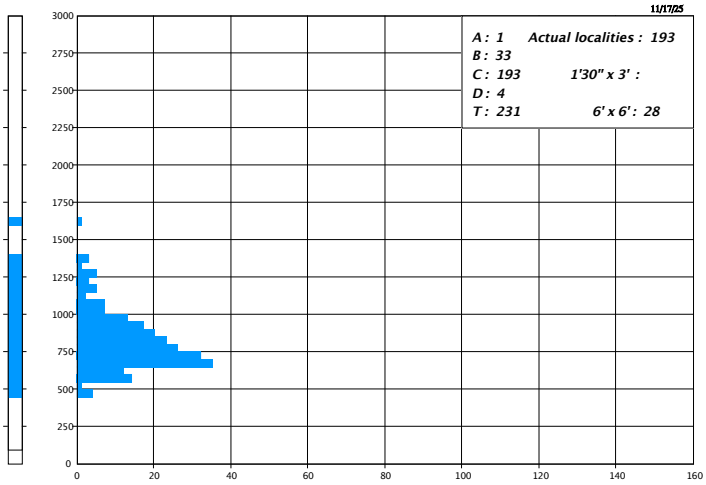
LYCAENIDAE *Iolana iolas*

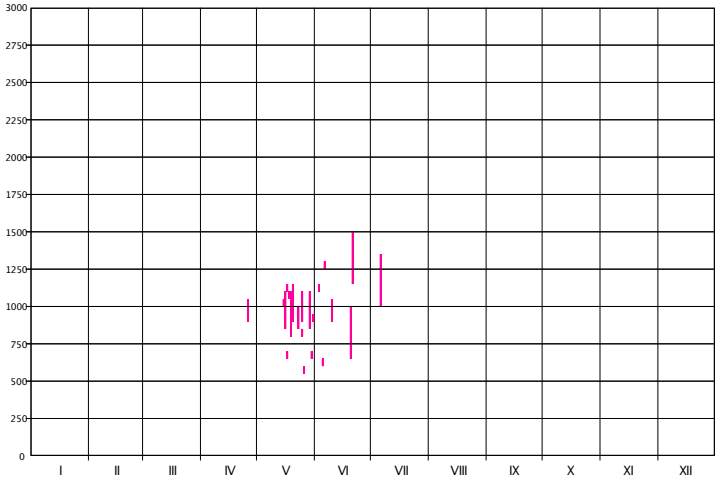


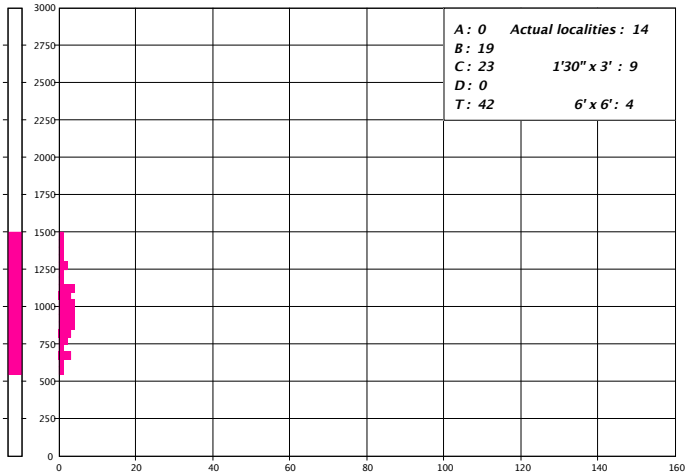


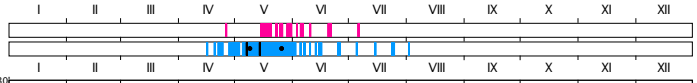

11/17/25
A : 126 Actual localities : 1655
B : 264
C : 416 1'30" x 3' :
D : 764
T : 1570 6' x 6' : 536
A : 96 Actual localities : 366
B : 326
C : 263 1'30" x 3' : 233
D : 143
T : 828 6' x 6' : 149
LYCAENIDAE Pseudophilotes vicrama
a : 1786
b : 588
b / a : 32.92%



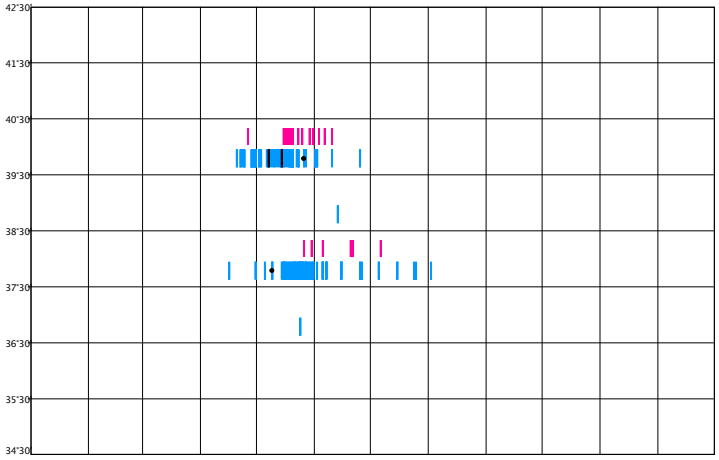


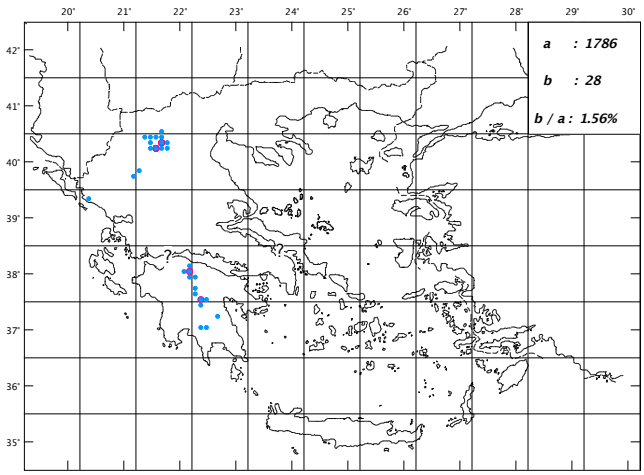


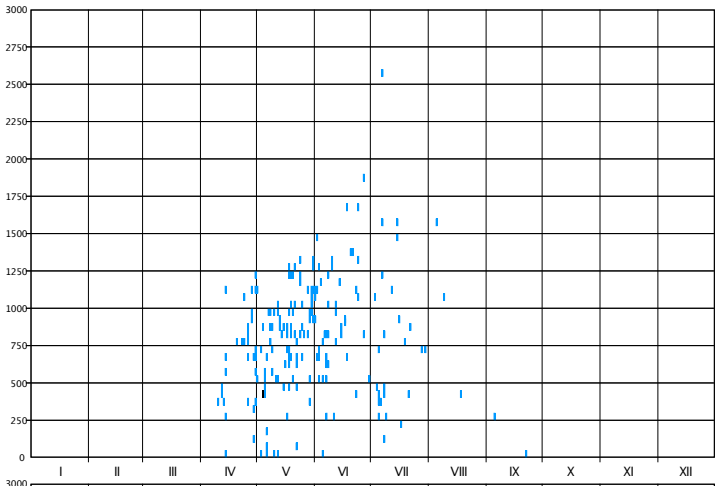


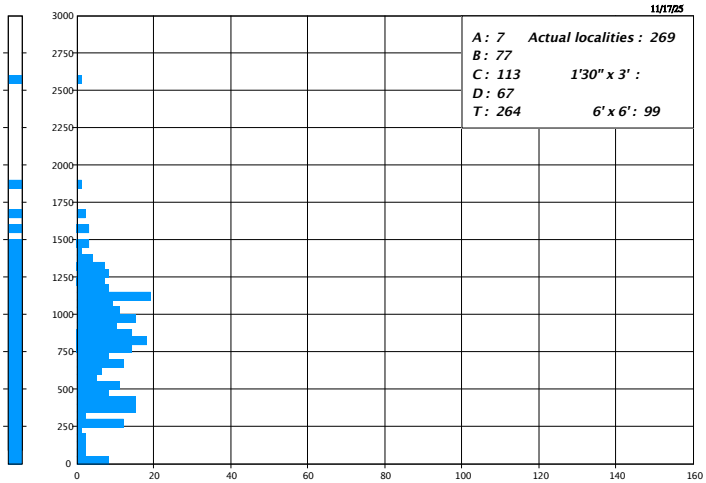


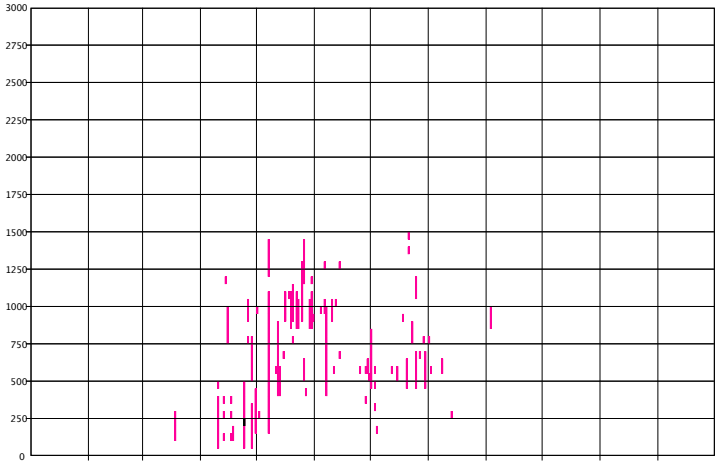
LYCAENIDAE *Pseudophilotes bavius*

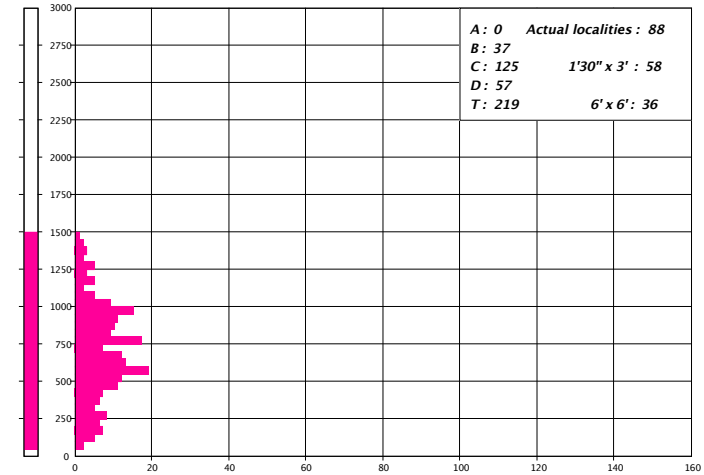


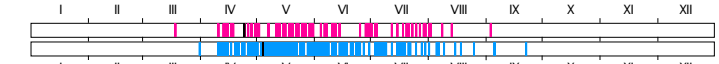




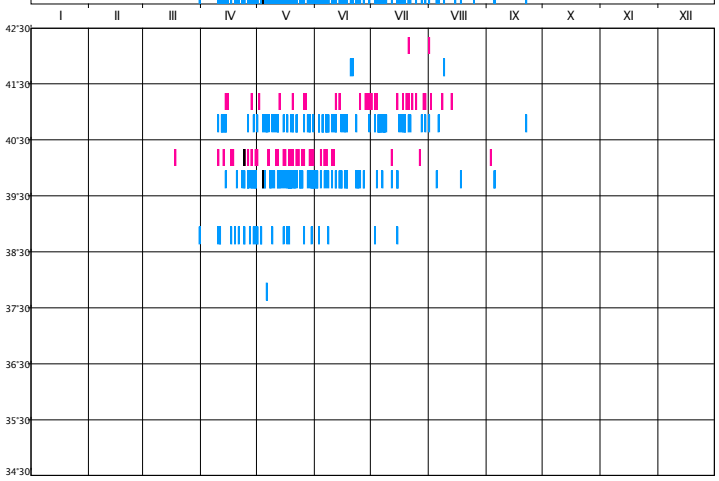


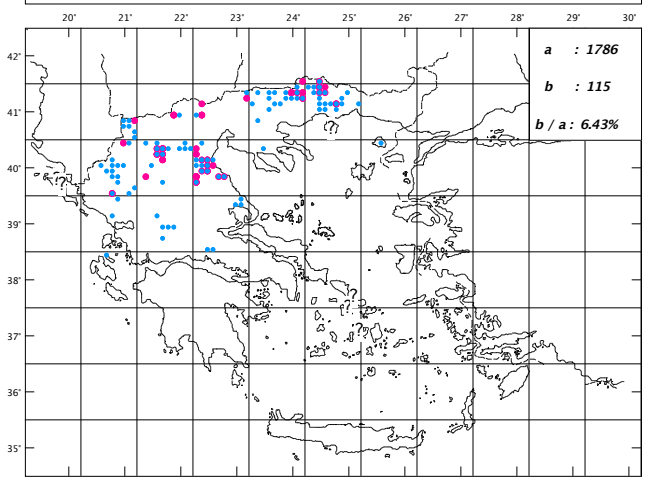


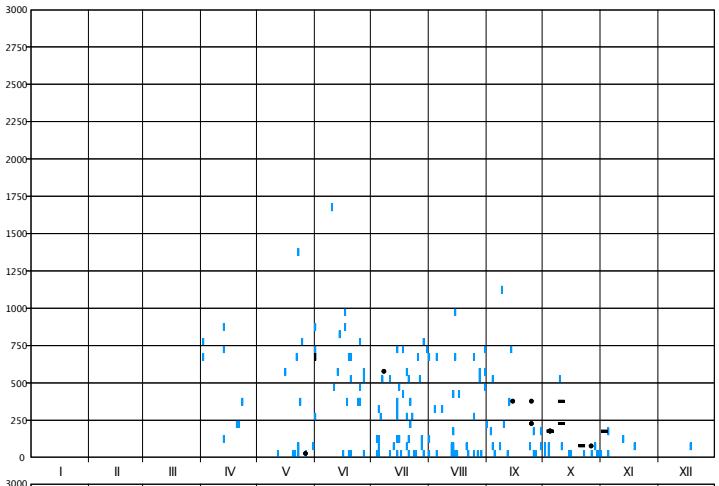


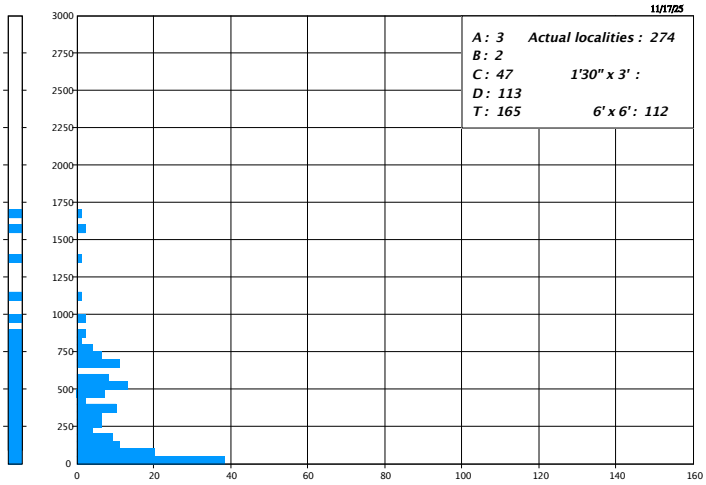


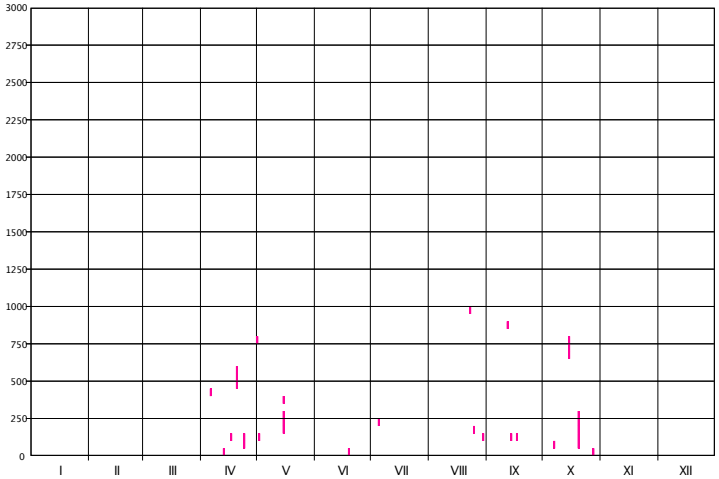
LYCAENIDAE *Scolitantides orion*

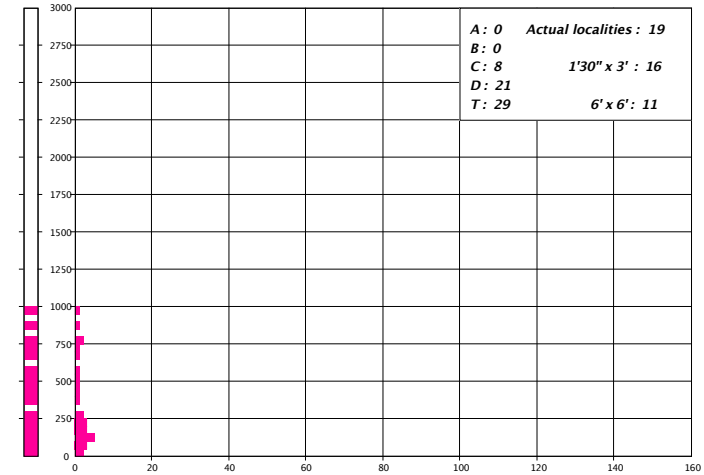


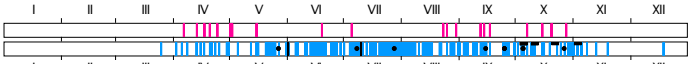




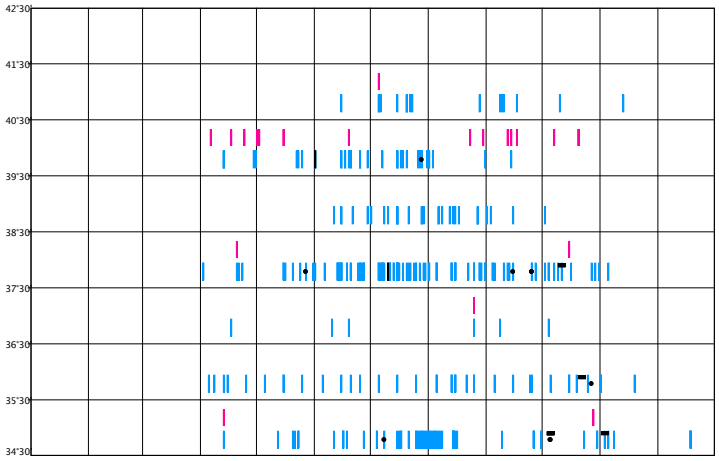


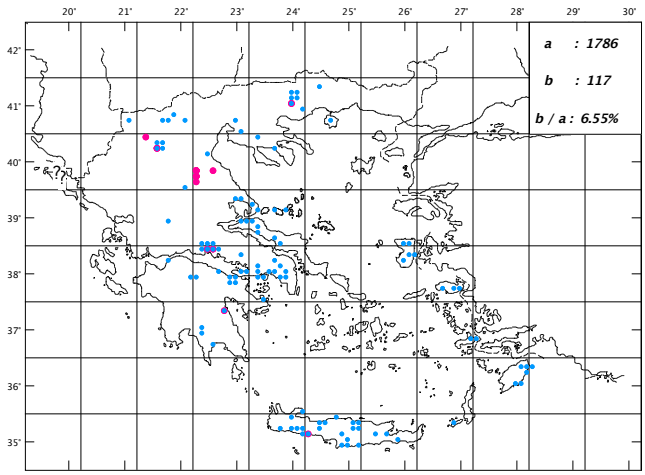


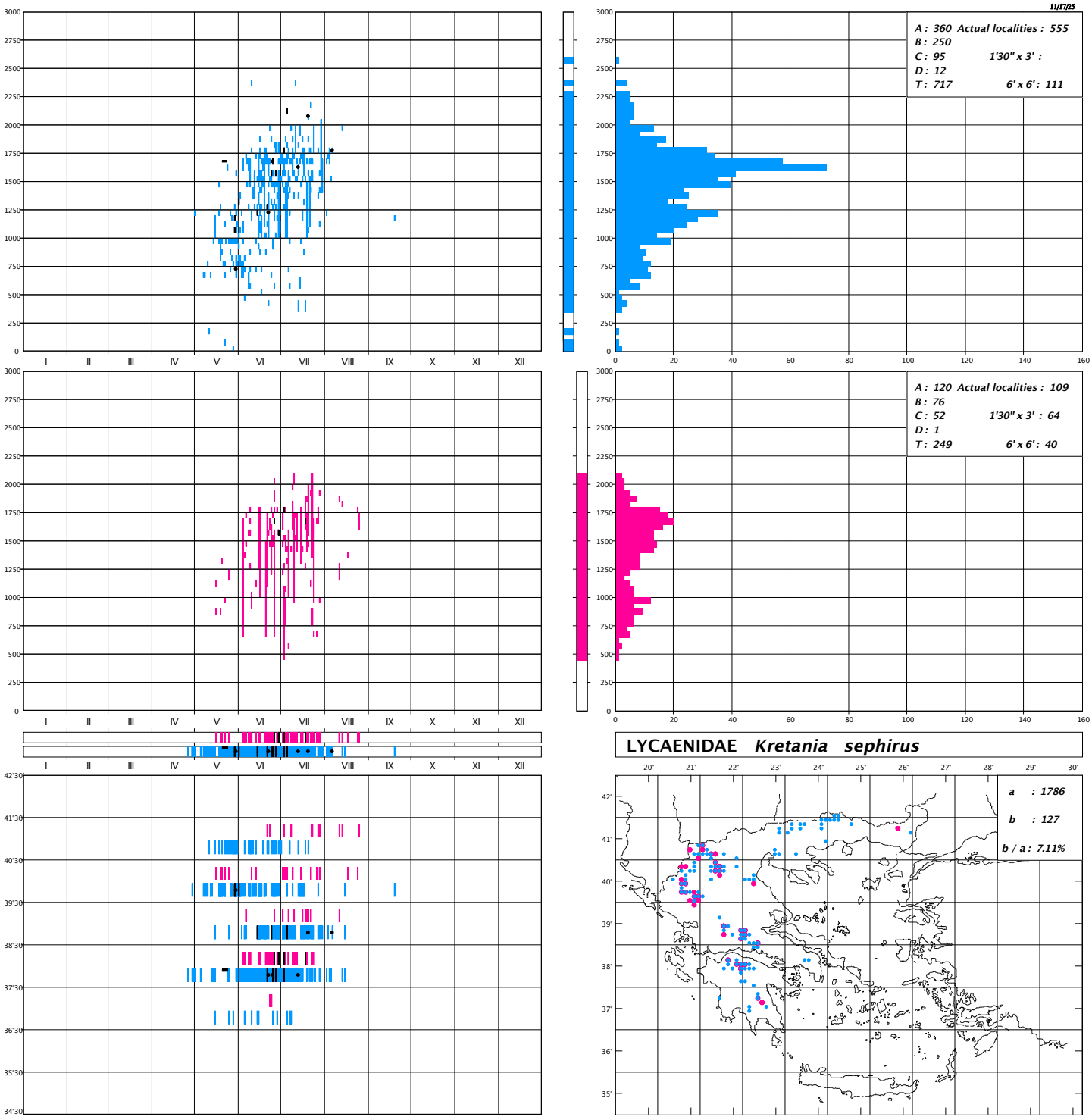


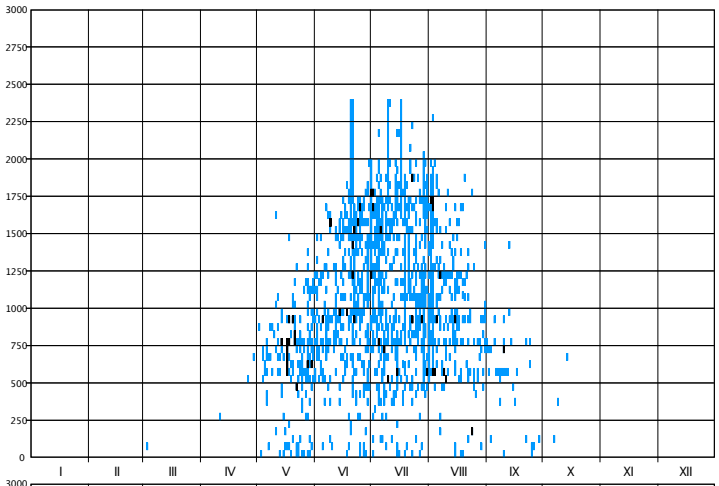


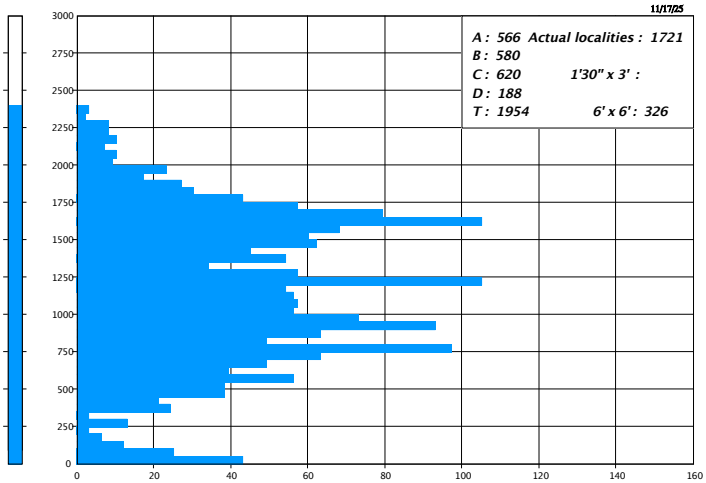
LYCAENIDAE *Freyeria trochylus*

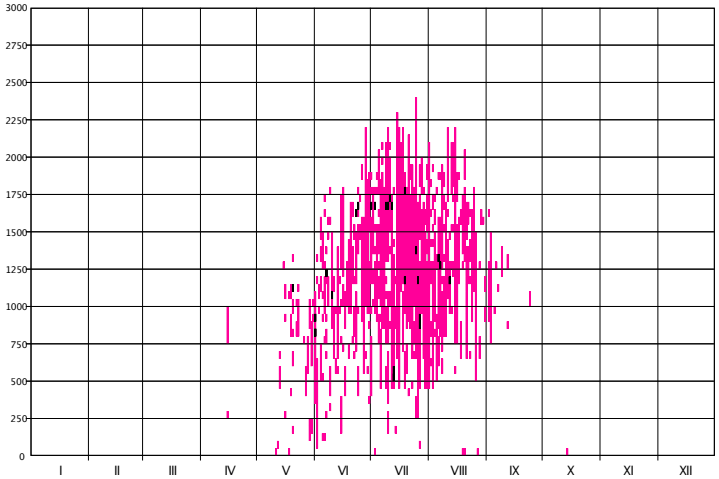


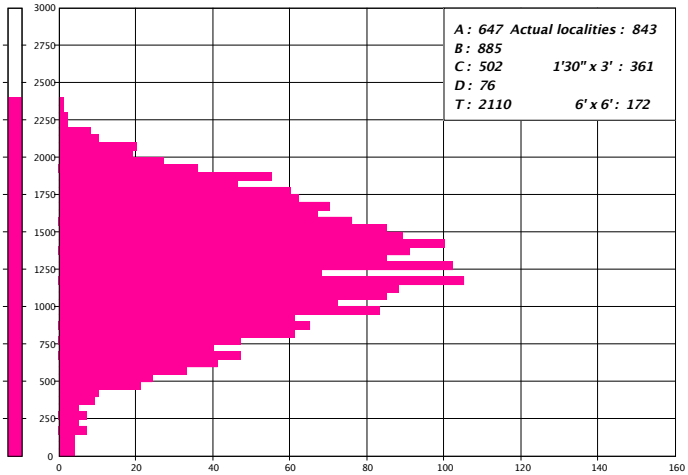


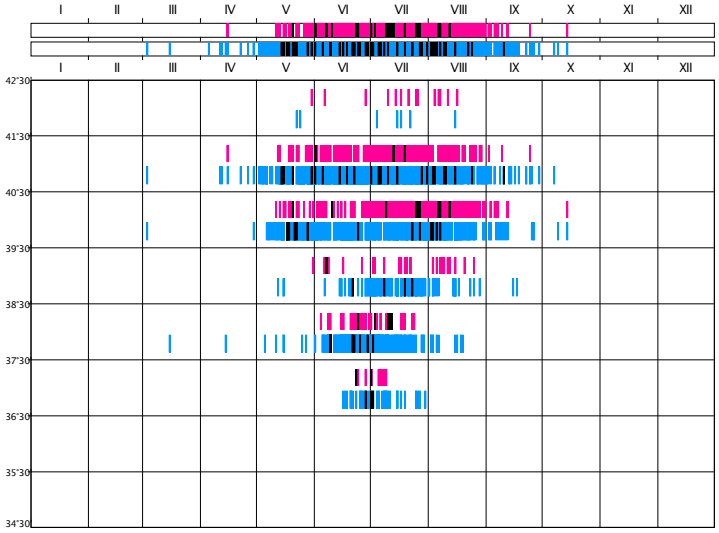

11/17/25
A : 360 Actual localities : 555
B : 250
C : 95 1'30" x 3' :
D : 12
T : 717 6' x 6' : 111
A : 120 Actual localities : 109
B : 76
C : 52 1'30" x 3' : 64
D : 1
T : 249 6' x 6' : 40
LYCAENIDAE Kretania sephirus
a : 1786
b : 127
b / a : 7.11%



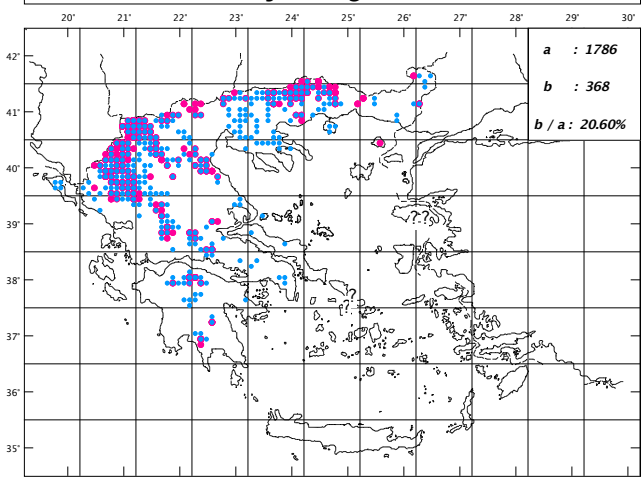


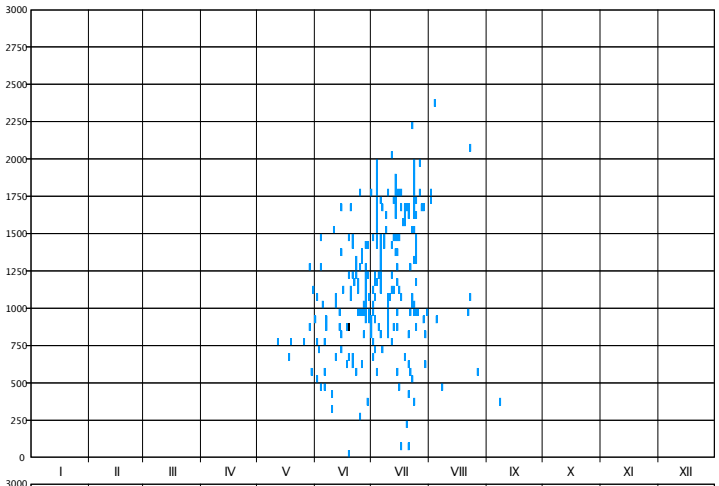


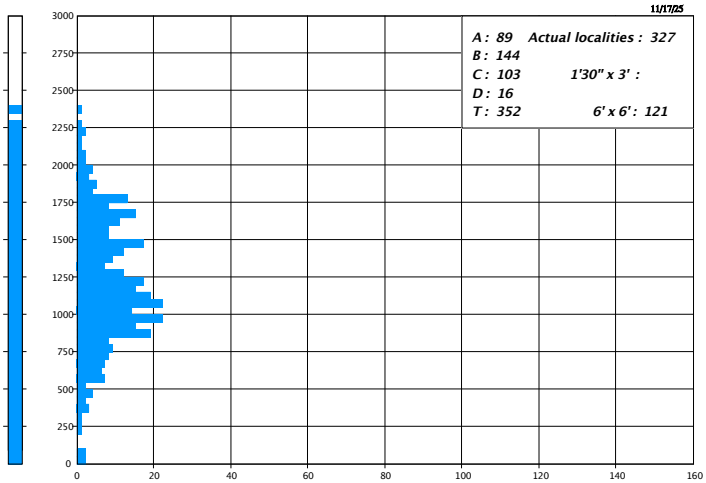


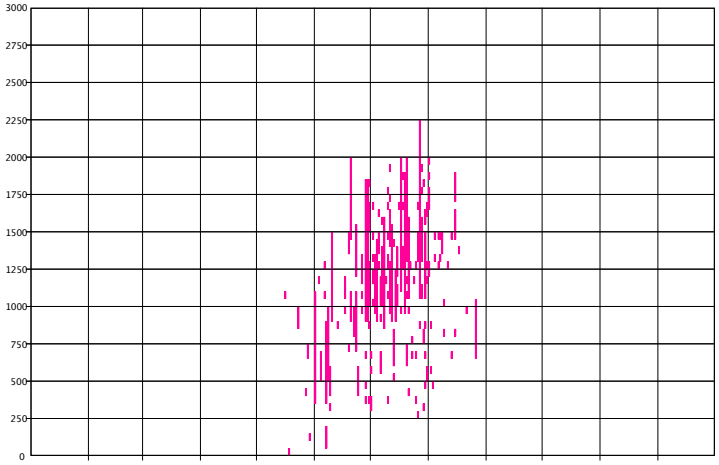


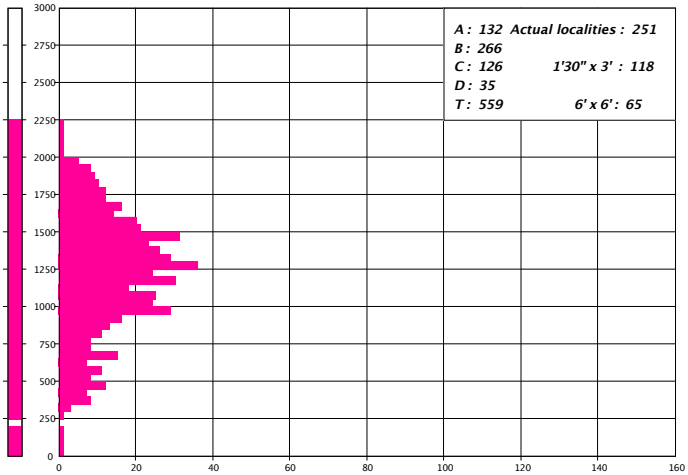
LYCAENIDAE *Plebejus argus*



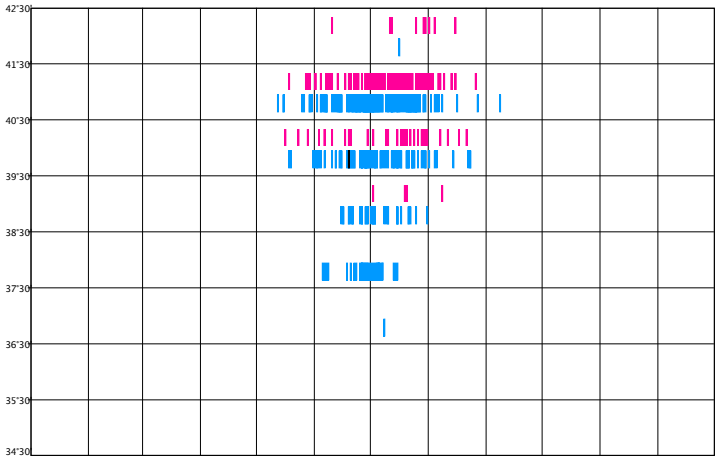


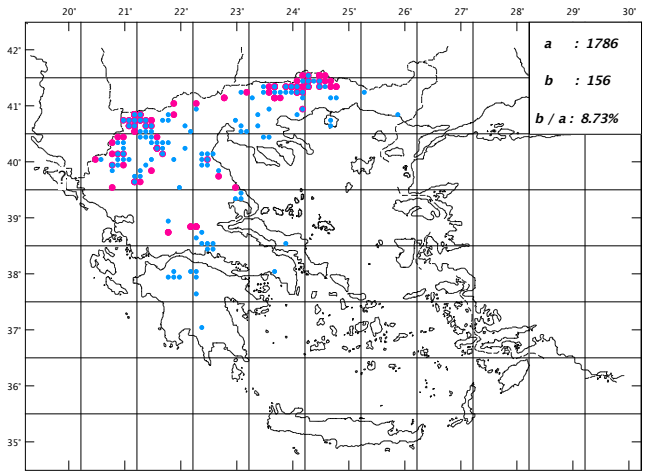


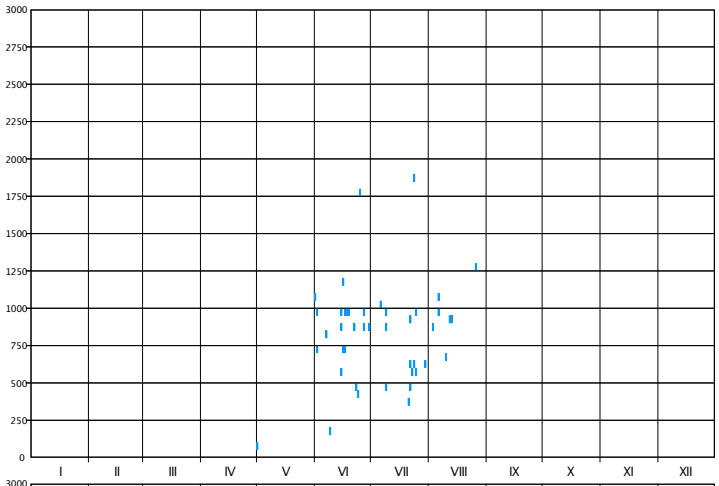


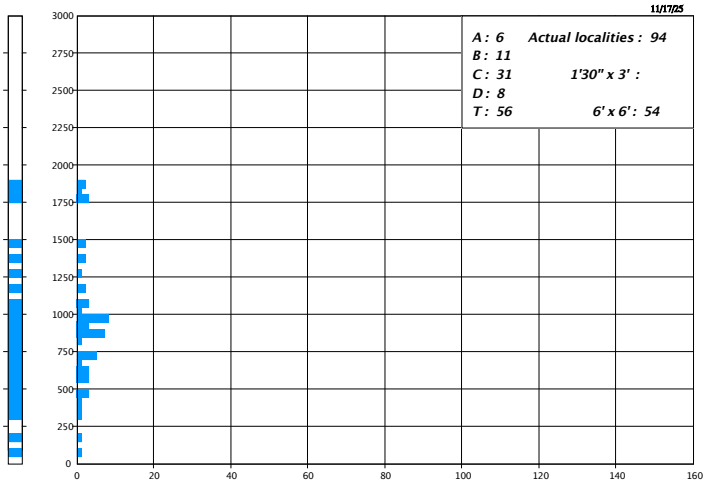


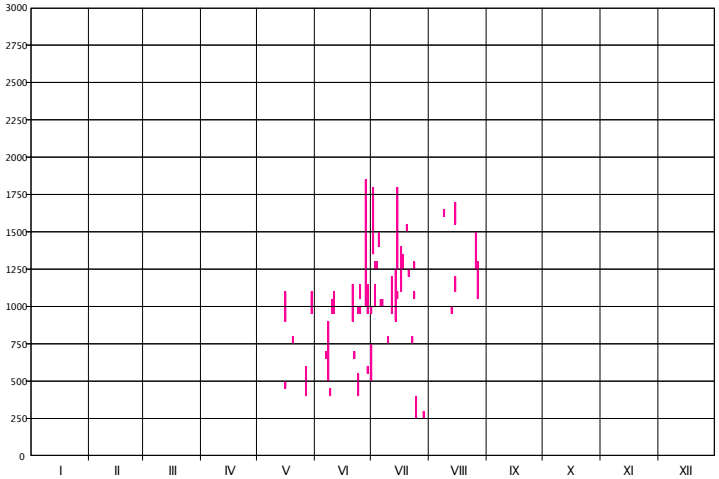
LYCAENIDAE *Plebejus idas*

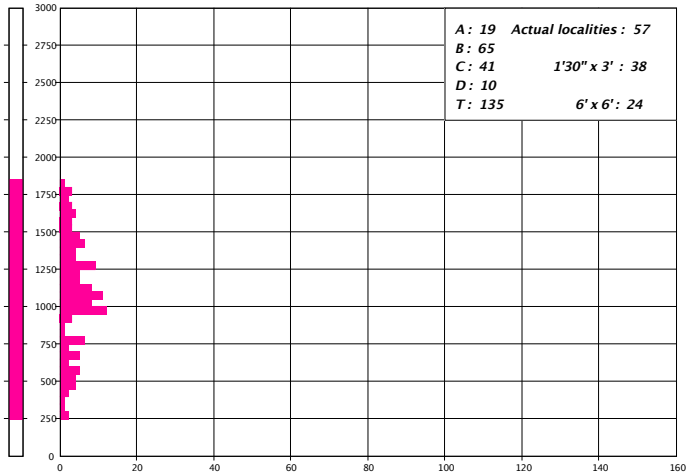


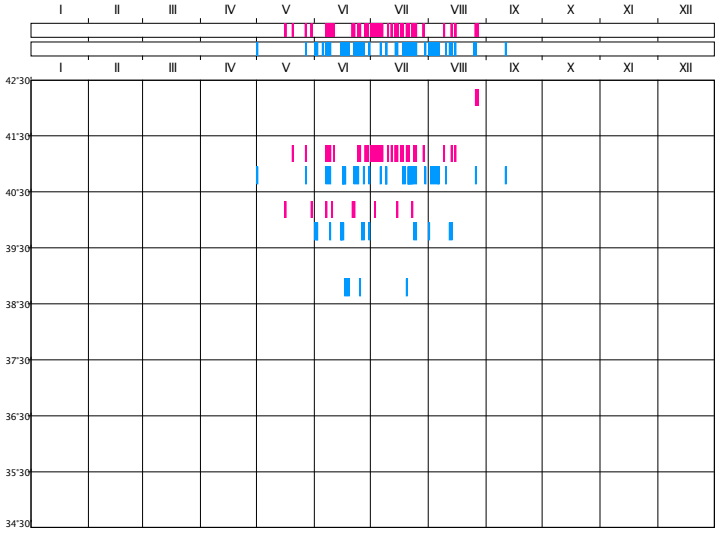




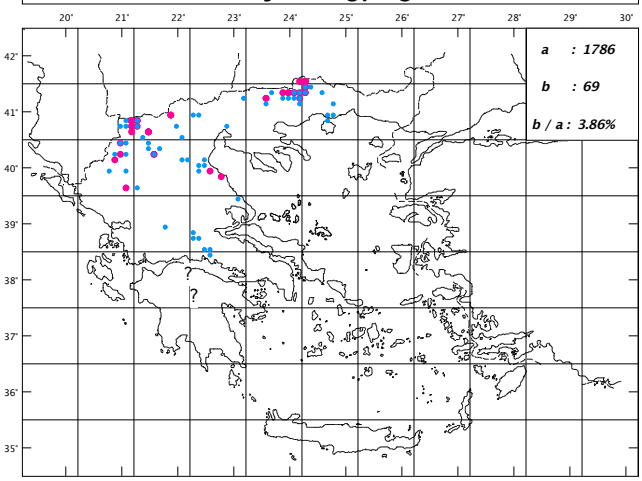


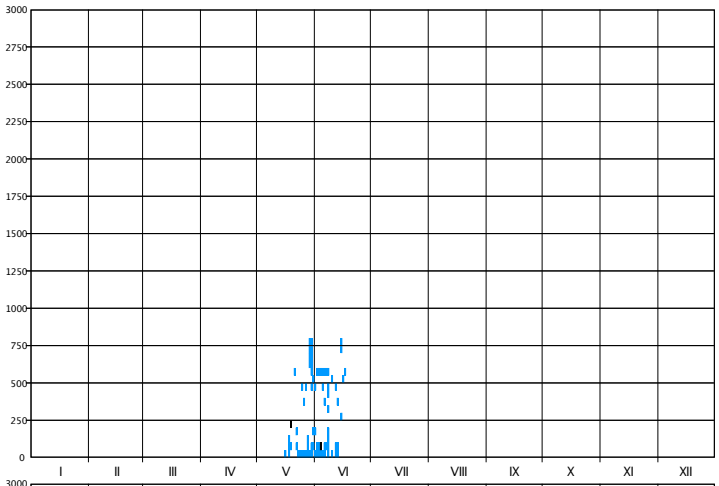


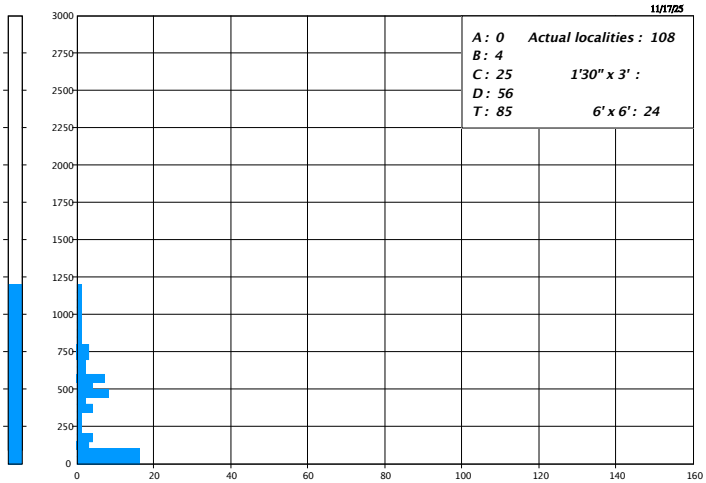


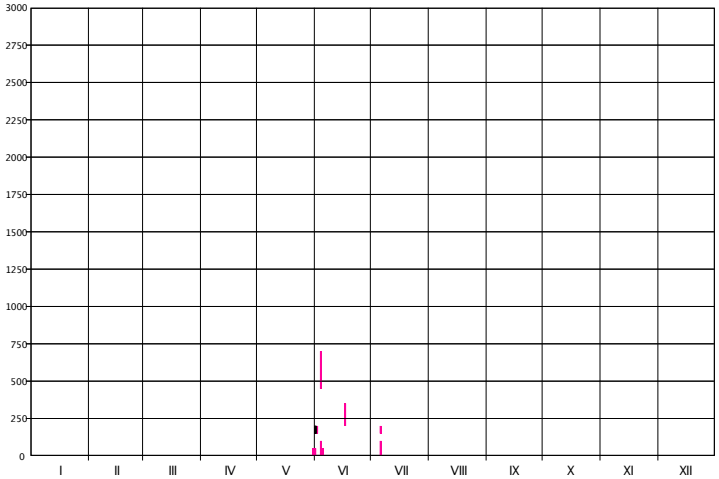


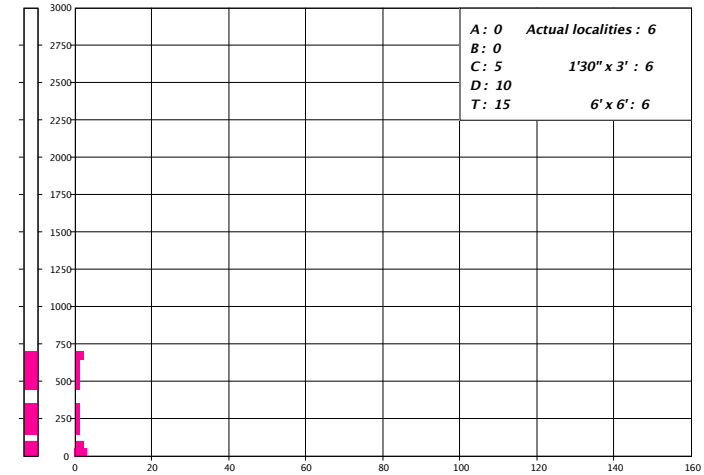
LYCAENIDAE *Plebejus argyrognomon*

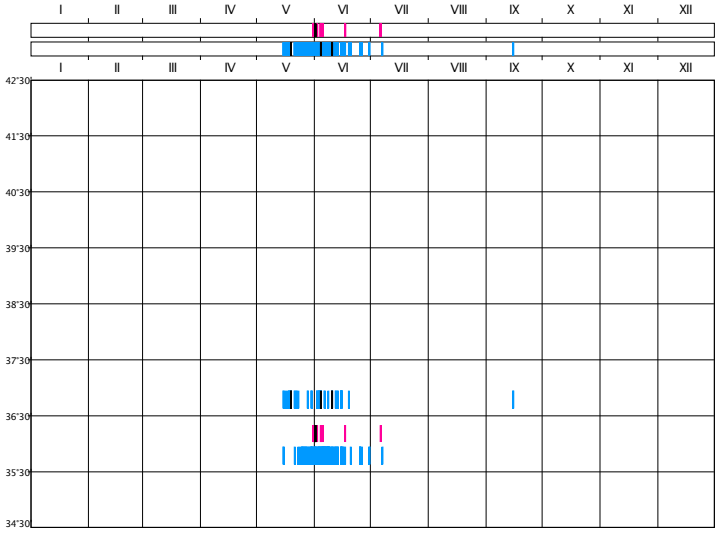




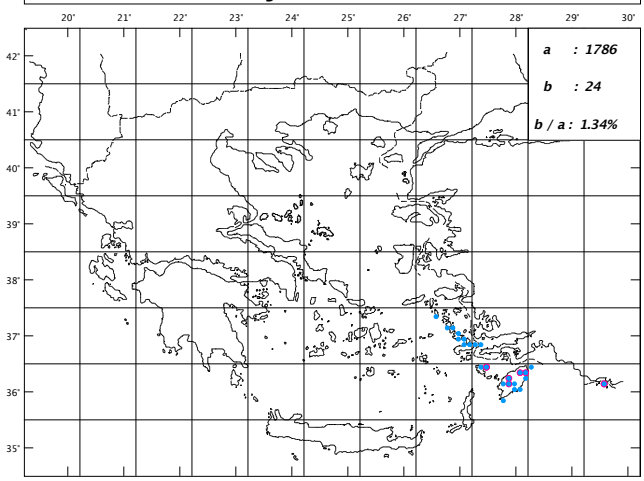


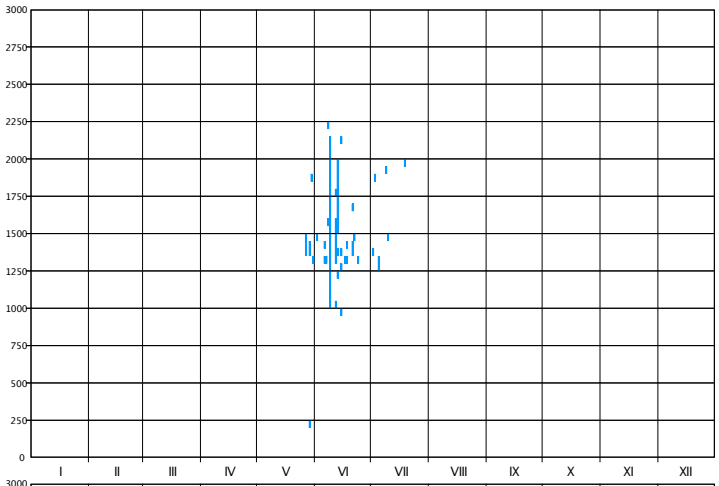


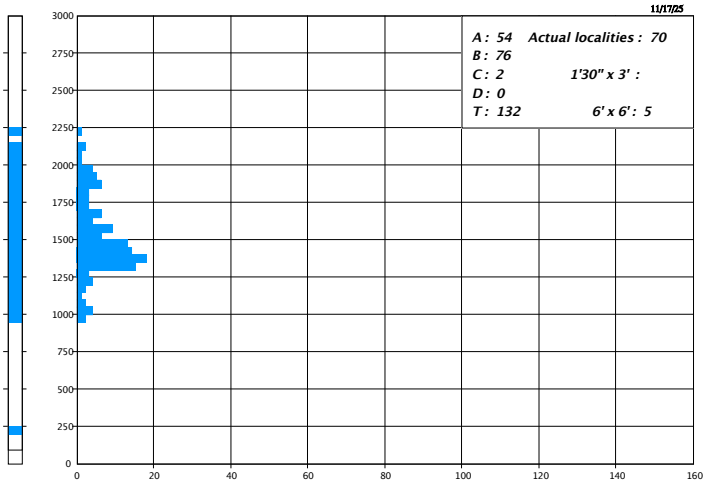


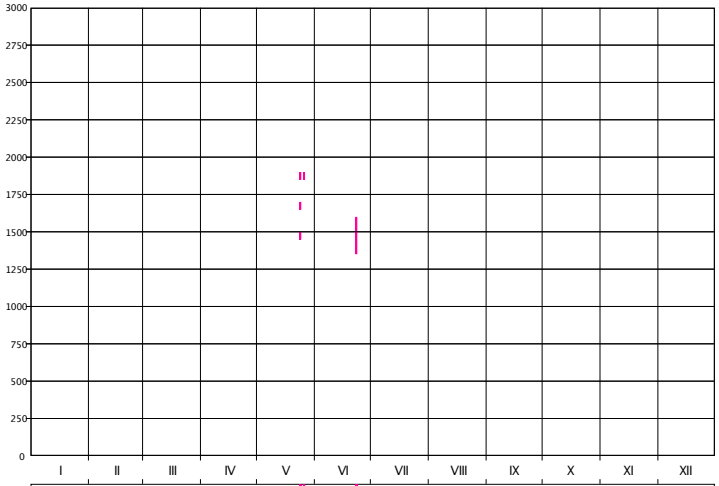


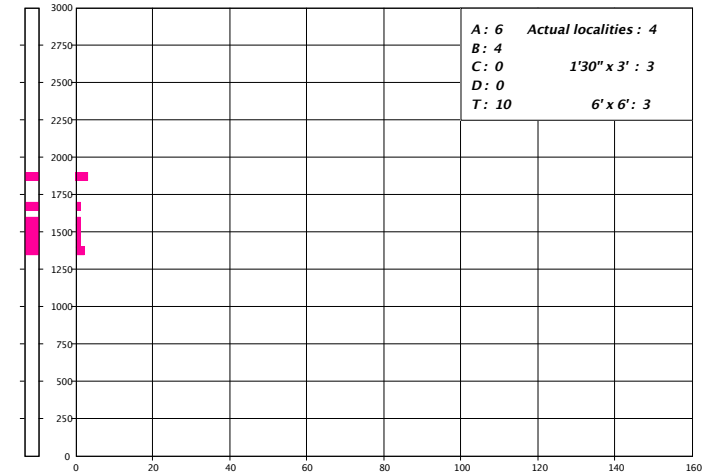
LYCAENIDAE *Plebejidea loewii*

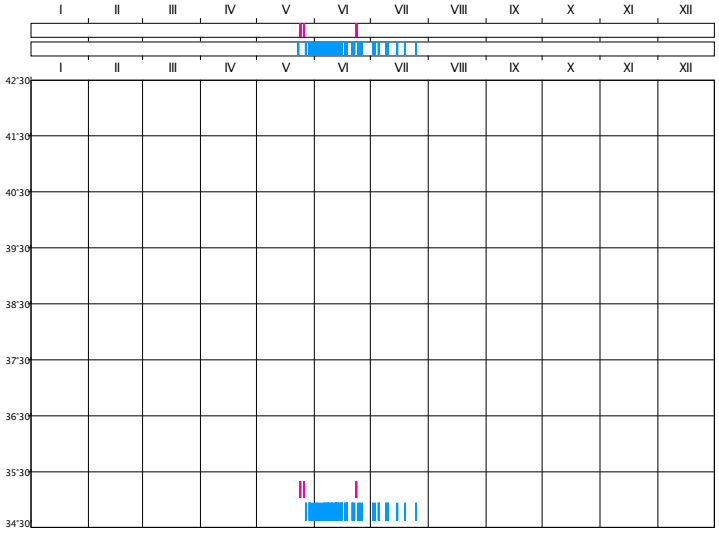




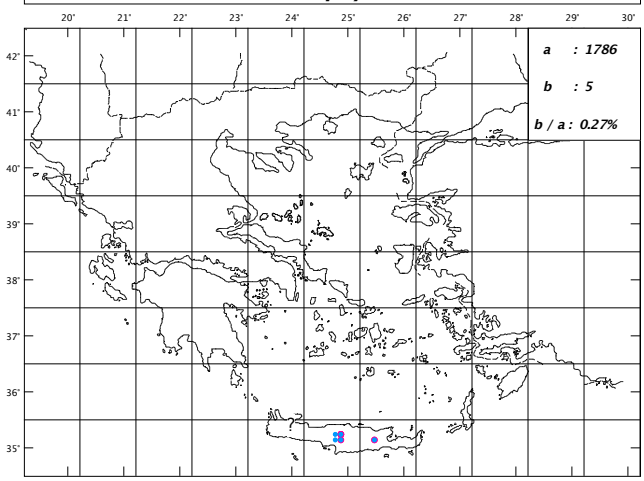


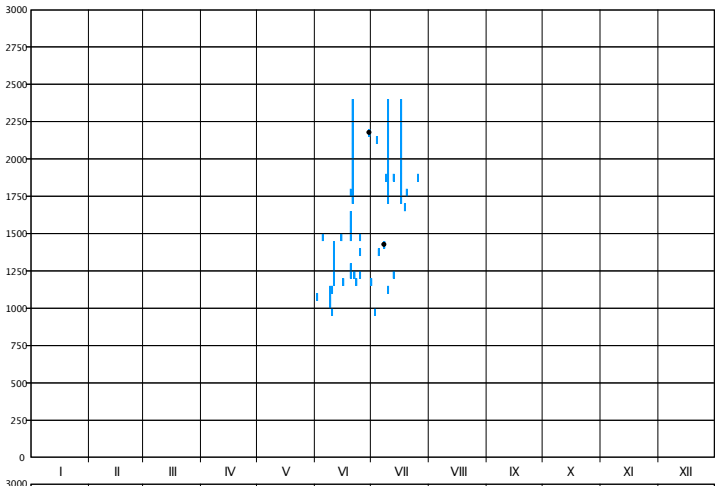


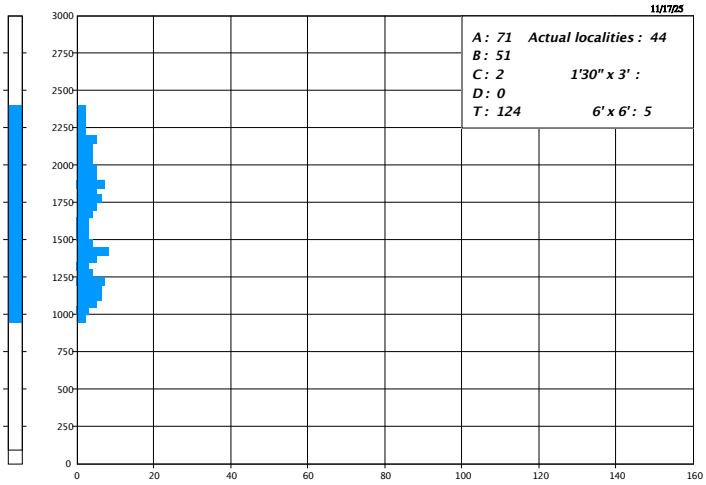


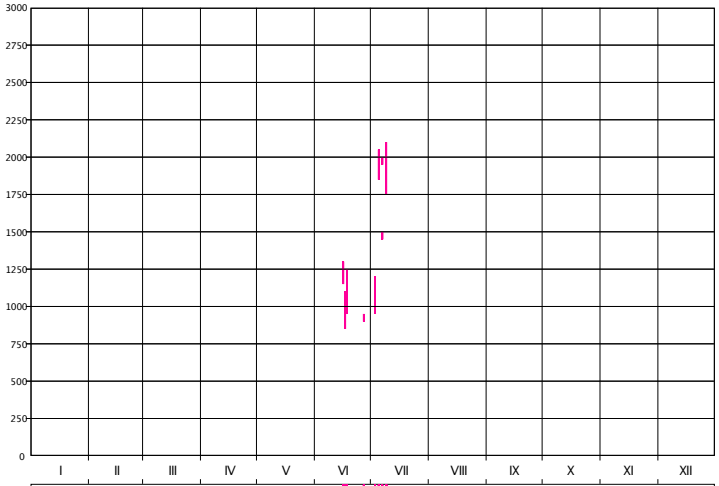


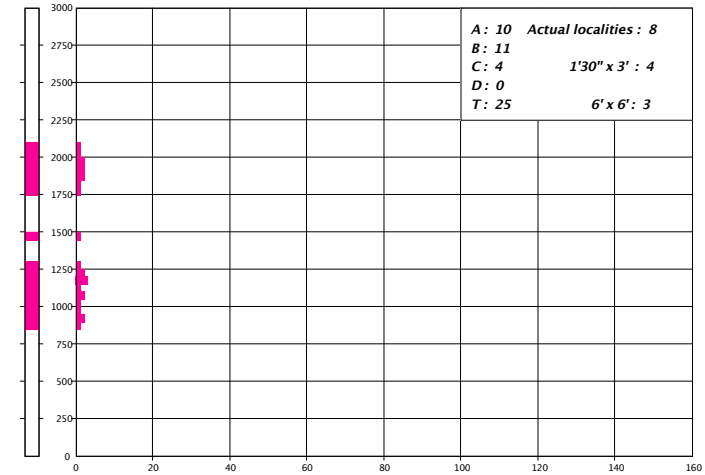
LYCAENIDAE *Kretania psylorita*

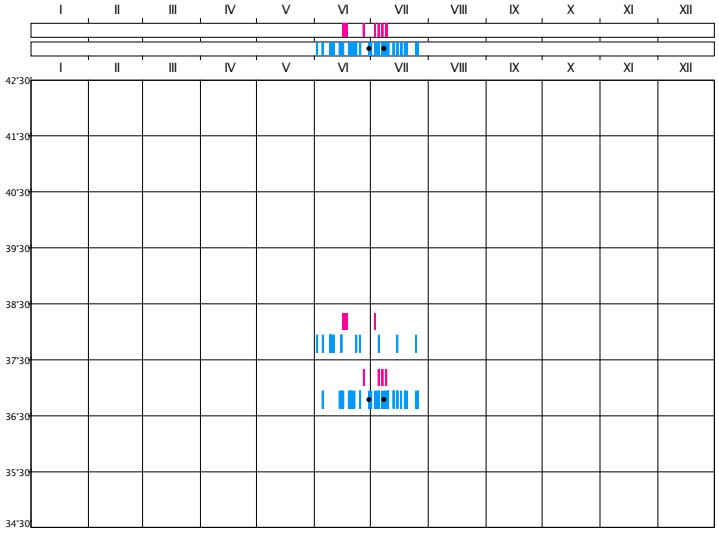




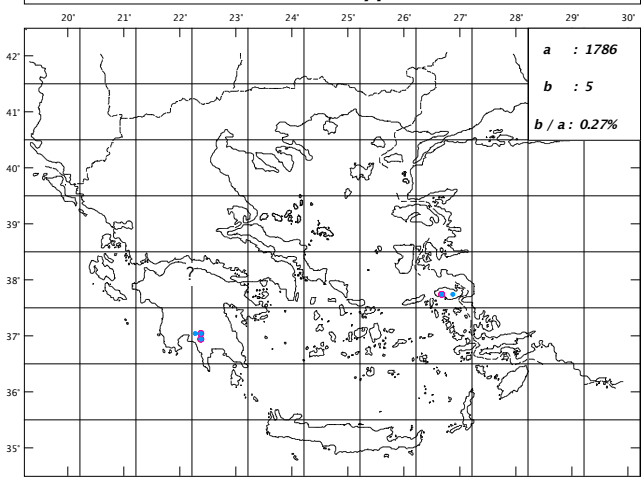


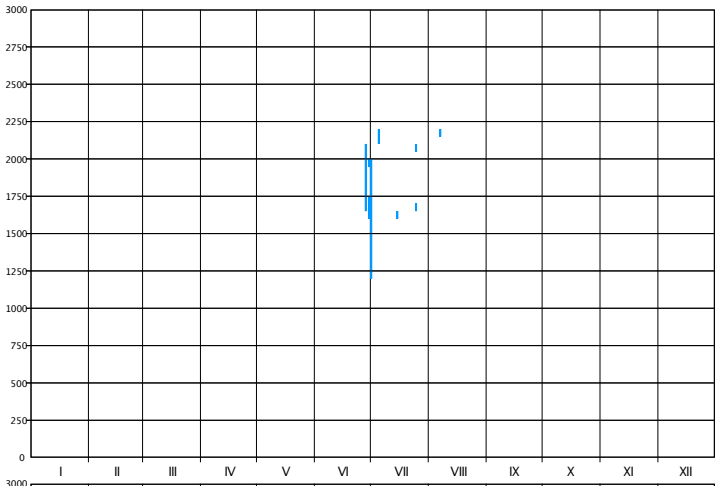


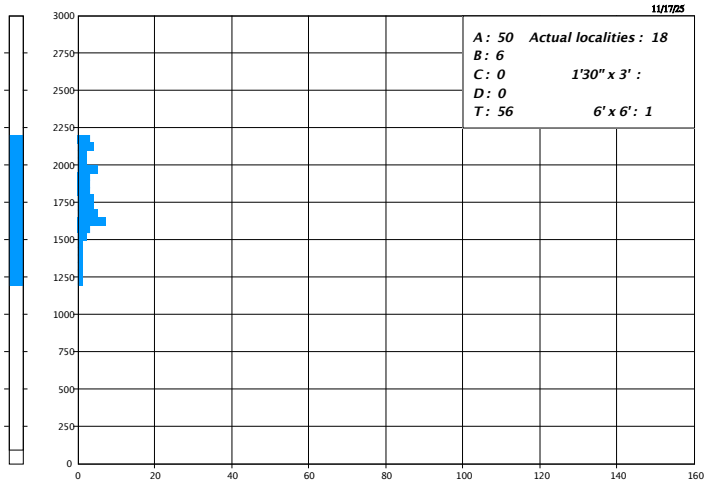


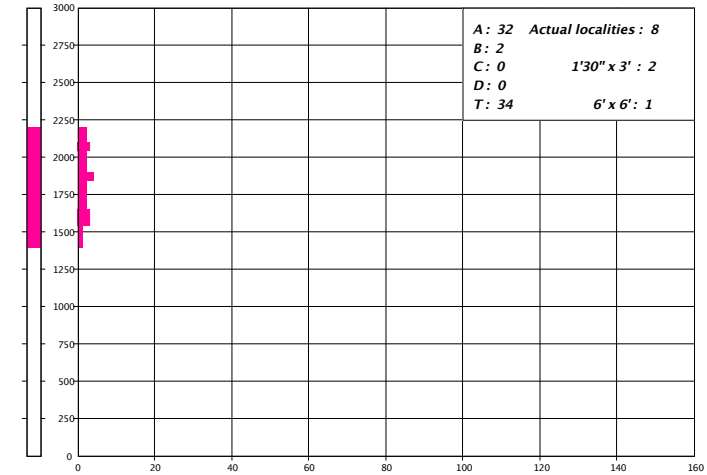


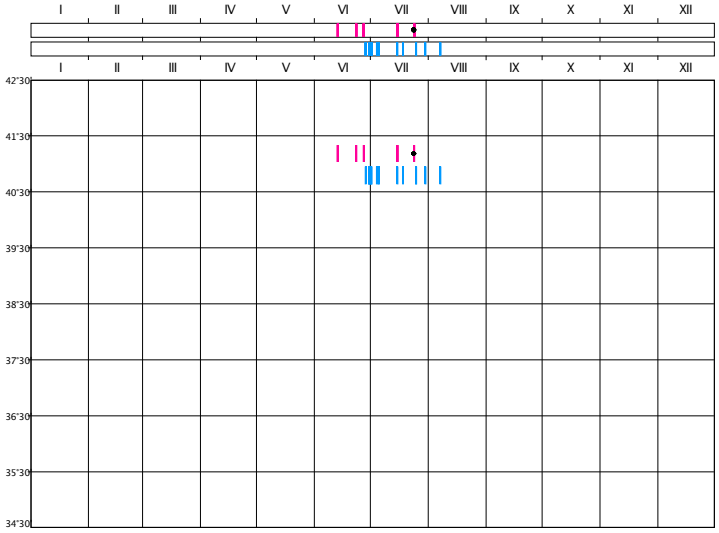
LYCAENIDAE *Kretania eurypilus*



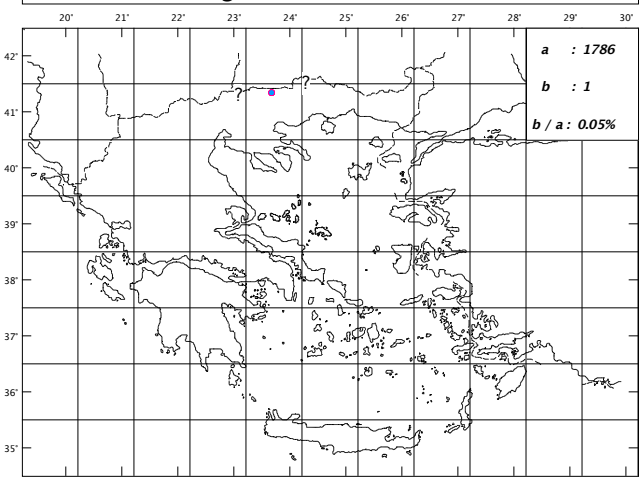


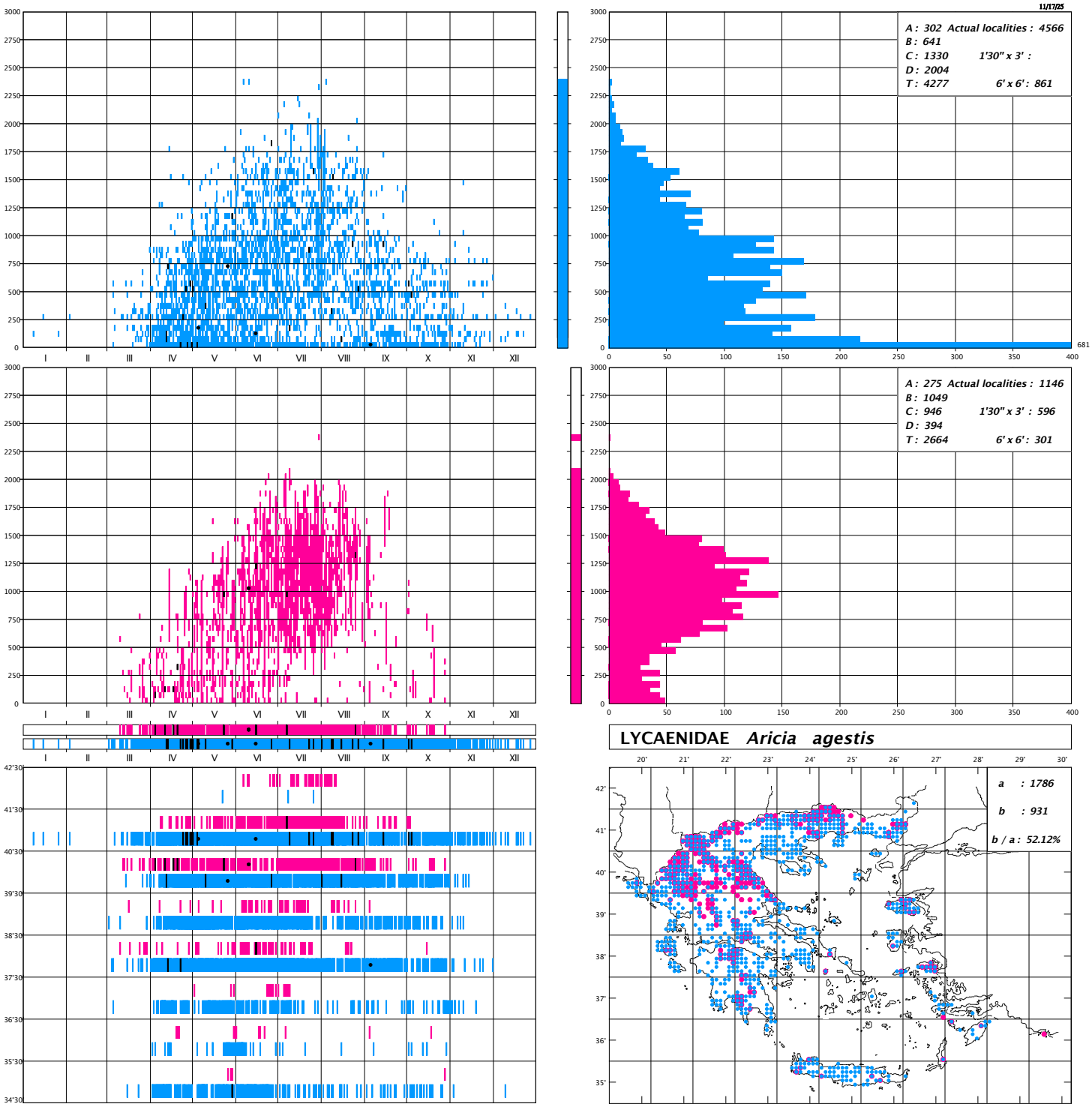


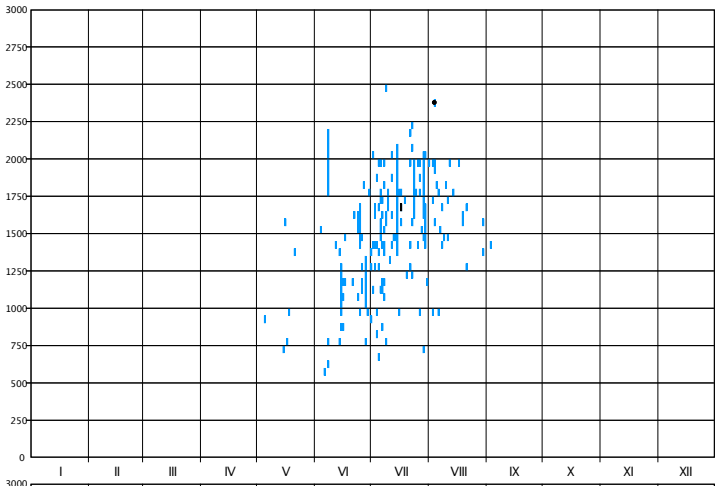


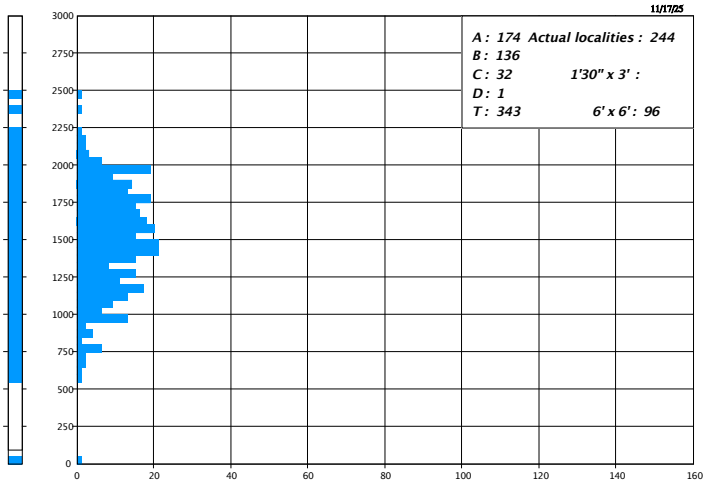


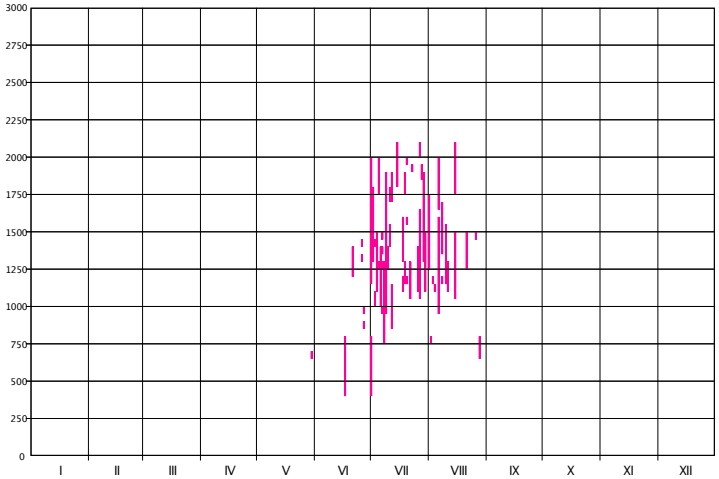
LYCAENIDAE *Agriades dardanus*

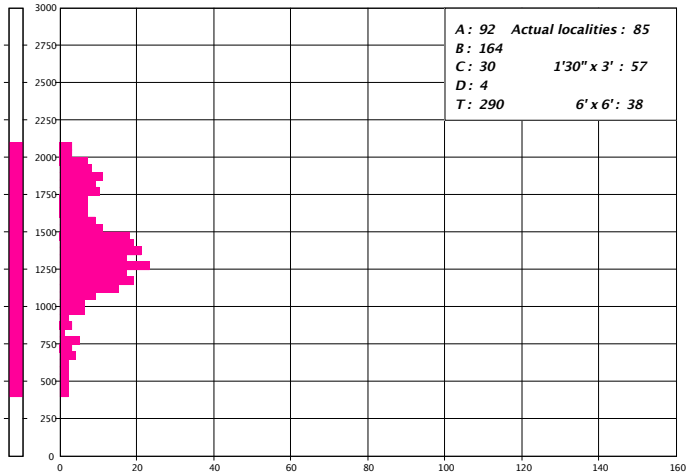


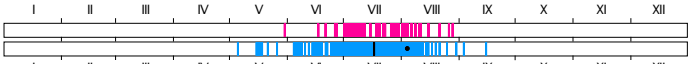

11/17/25
A : 302 Actual localities : 4566
B : 641
C : 1330 1'30" x 3' :
D : 2004
T : 4277 6' x 6' : 861
681
A : 275 Actual localities : 1146
B : 1049
C : 946 1'30" x 3' : 596
D : 394
T : 2664 6' x 6' : 301
LYCAENIDAE Aricia agestis
a : 1786
b : 931
b / a : 52.12%



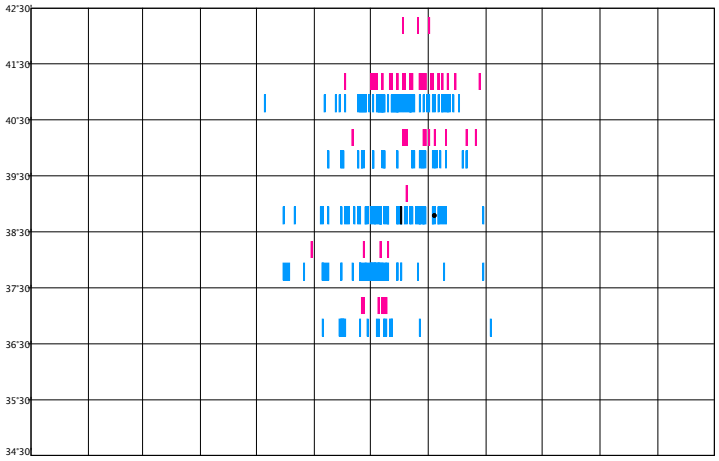


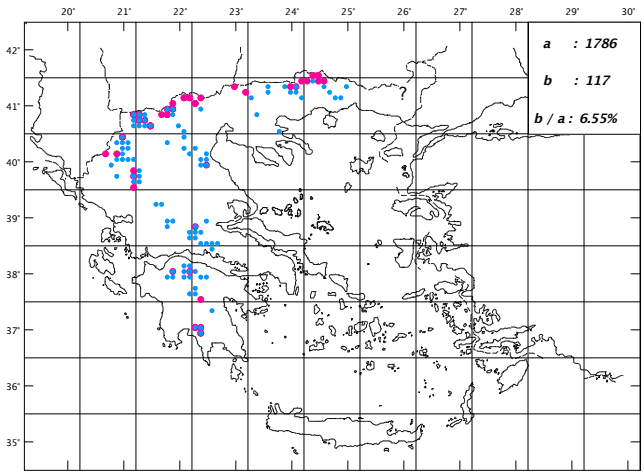


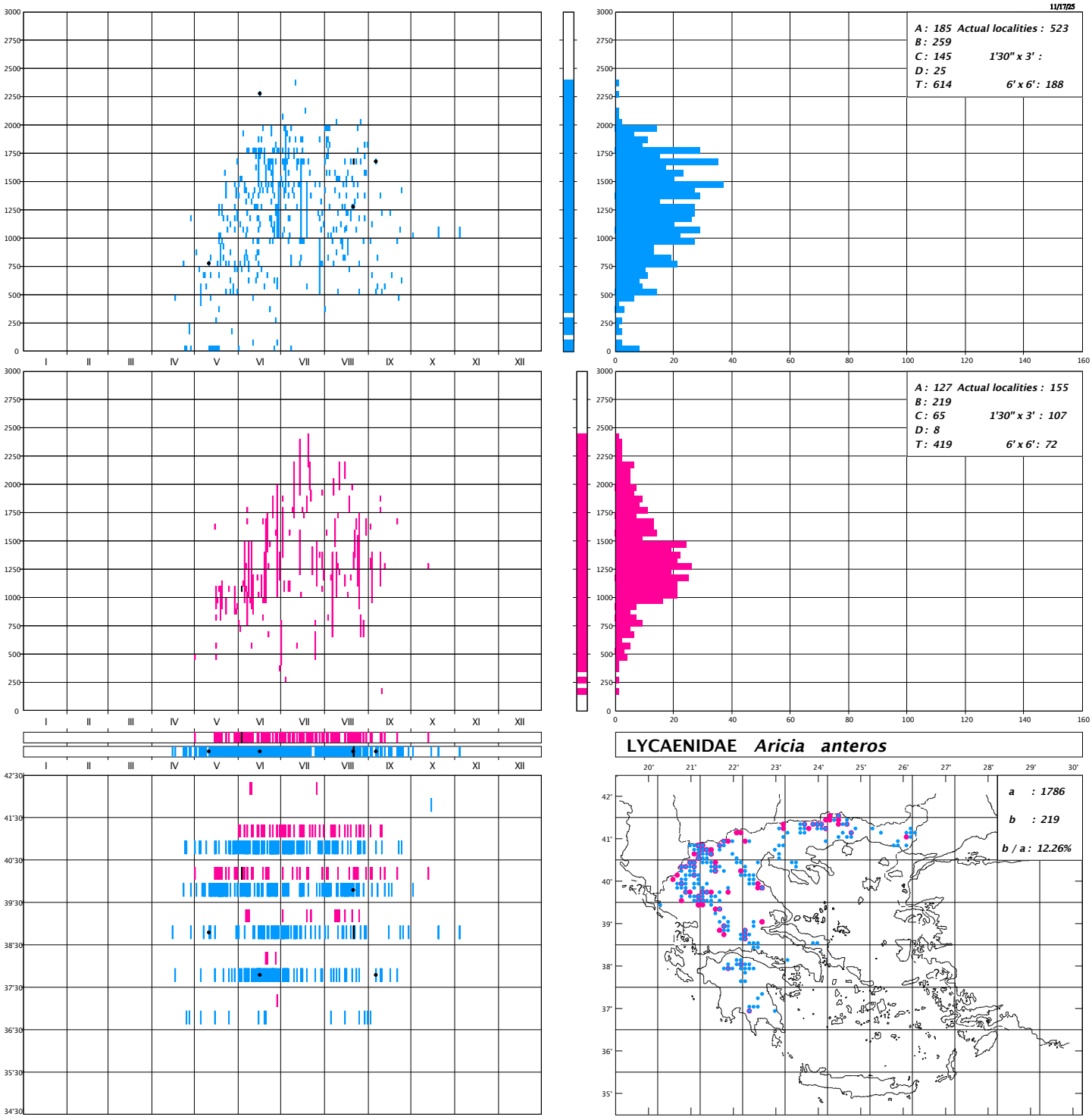


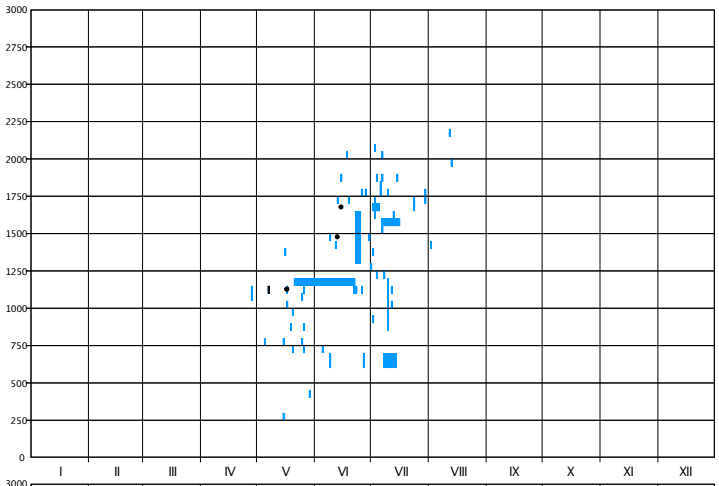


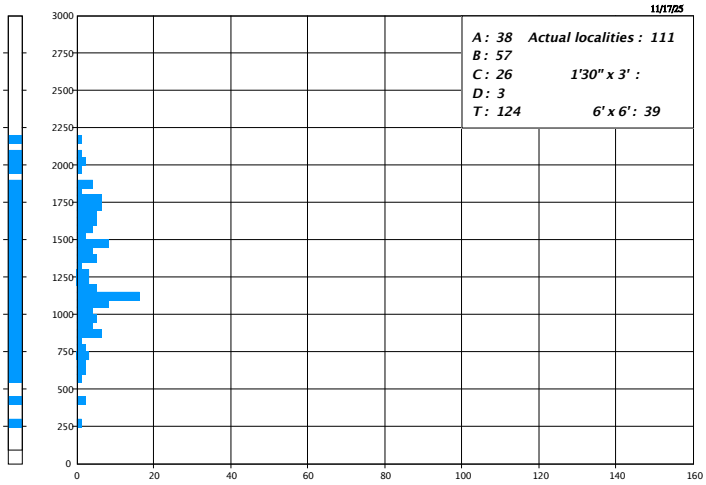
LYCAENIDAE *Aricia artaxerxes*

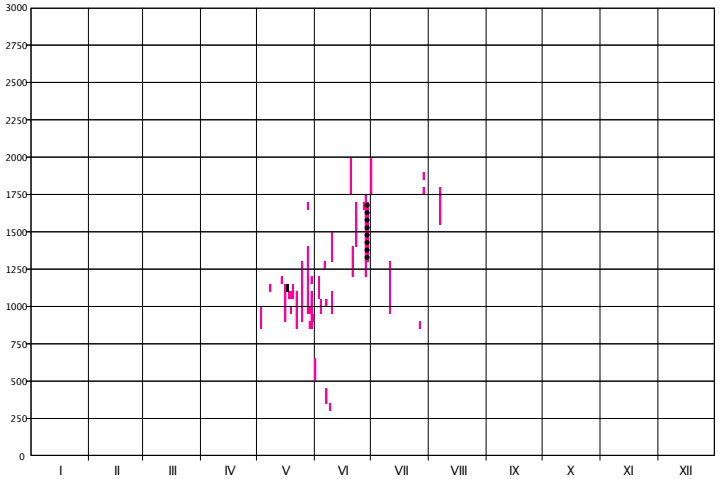


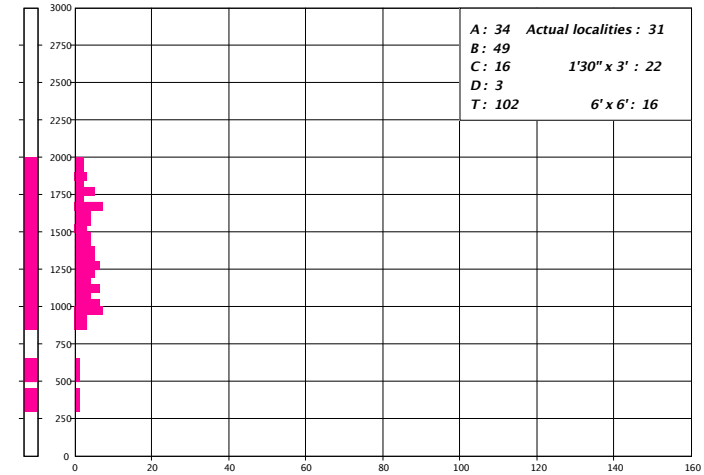


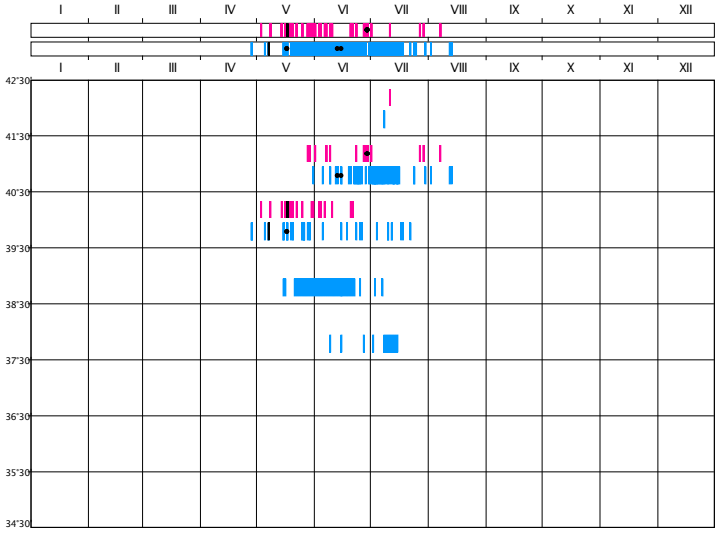

11/17/25
A : 185 Actual localities : 523
B : 259
C : 145 1'30" x 3' :
D : 25
T : 614 6' x 6' : 188
A : 127 Actual localities : 155
B : 219
C : 65 1'30" x 3' : 107
D : 8
T : 419 6' x 6' : 72
LYCAENIDAE Aricia anteros
a : 1786
b : 219
b / a : 12.26%



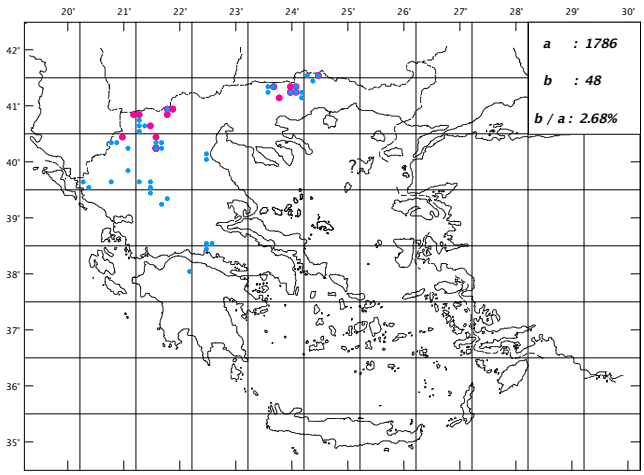


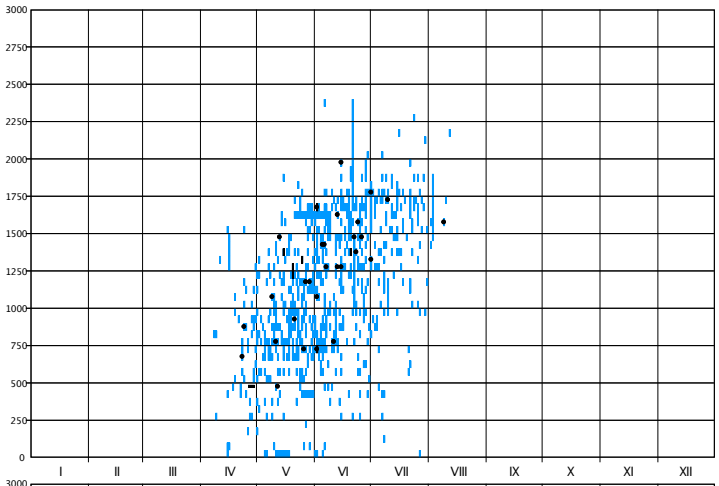


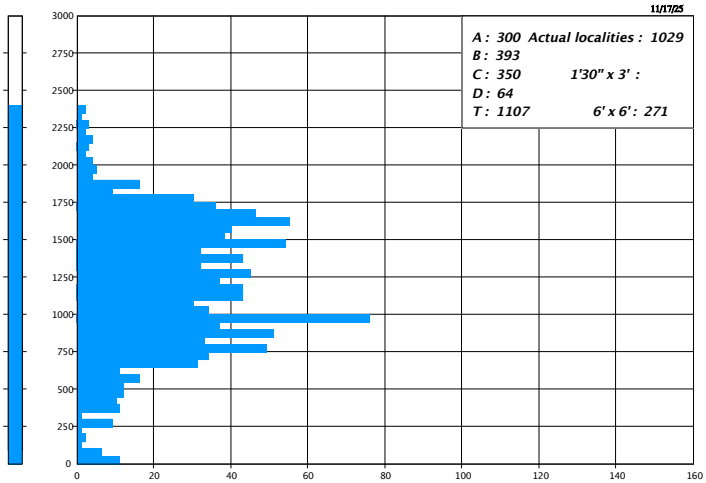


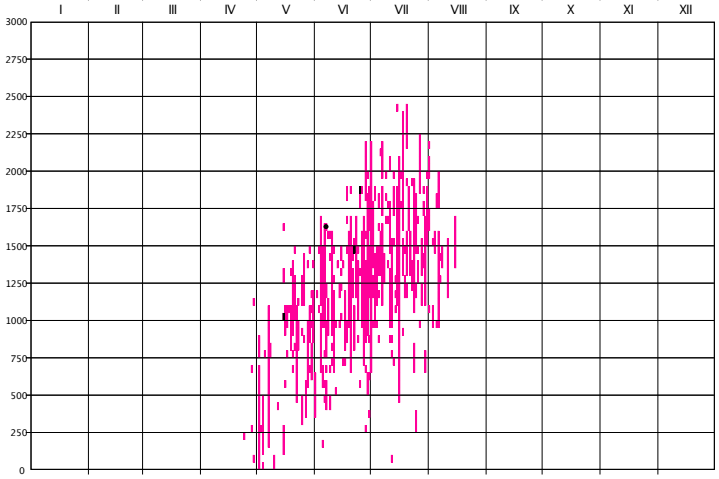


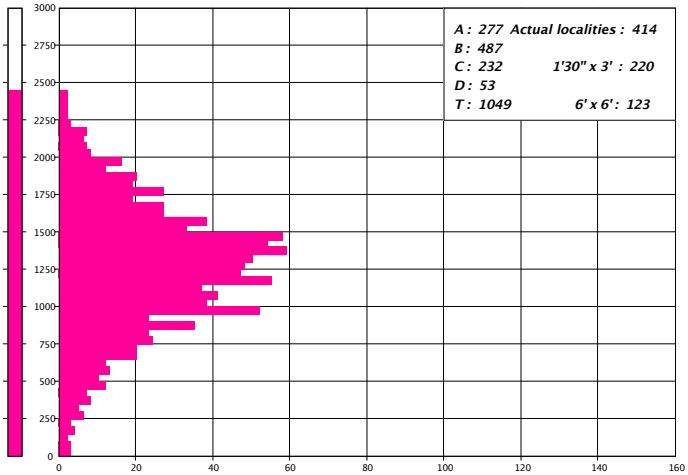
LYCAENIDAE *Eumedonia eumedon*

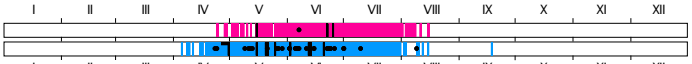




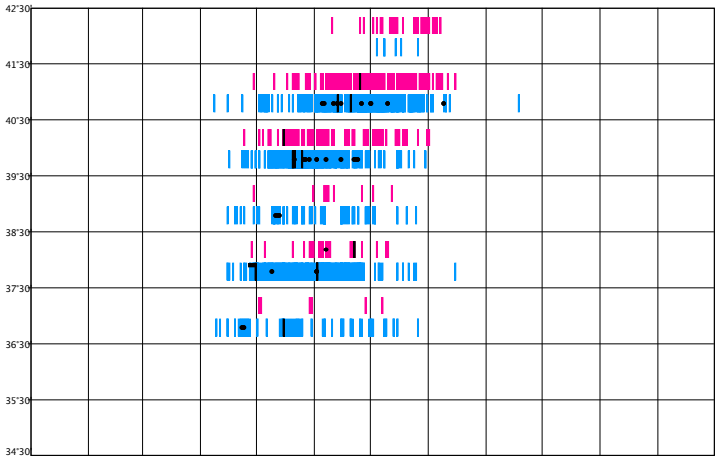


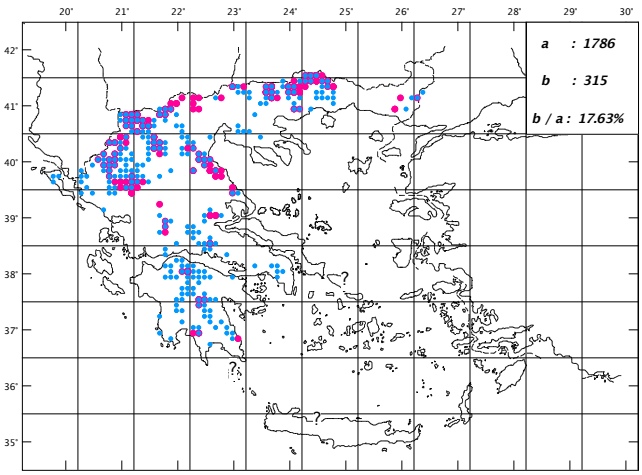


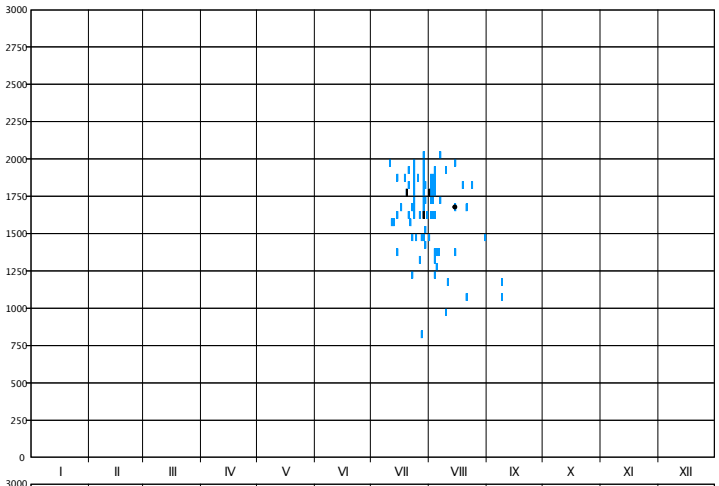


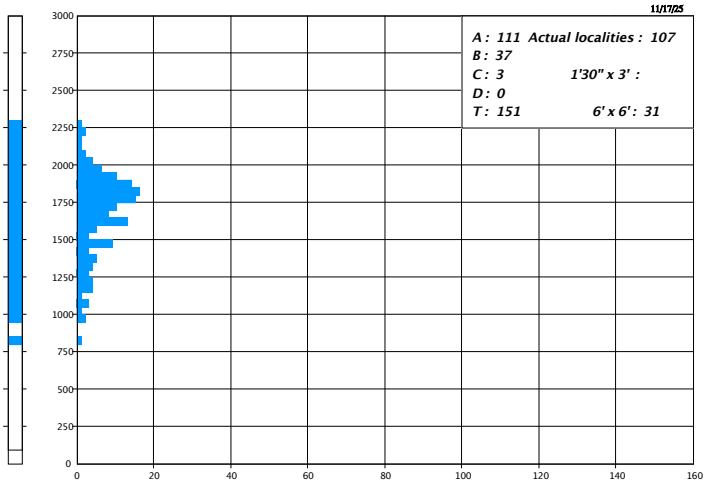


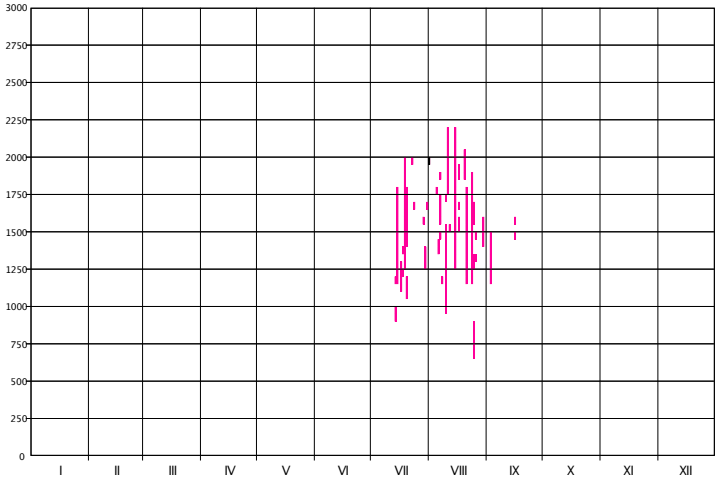
LYCAENIDAE *Cyaniris semiargus*

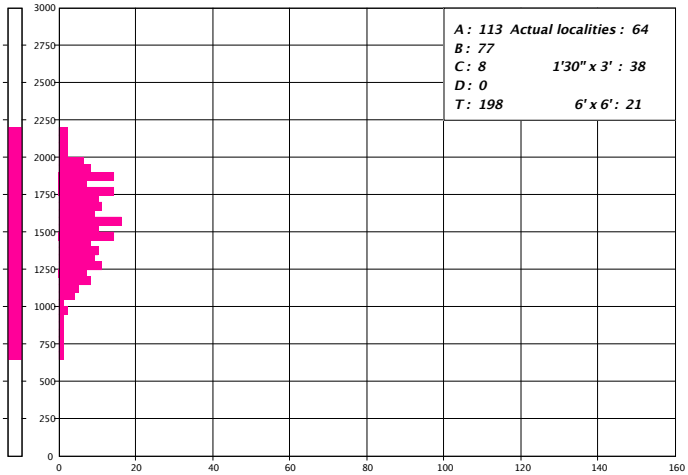


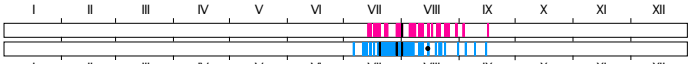




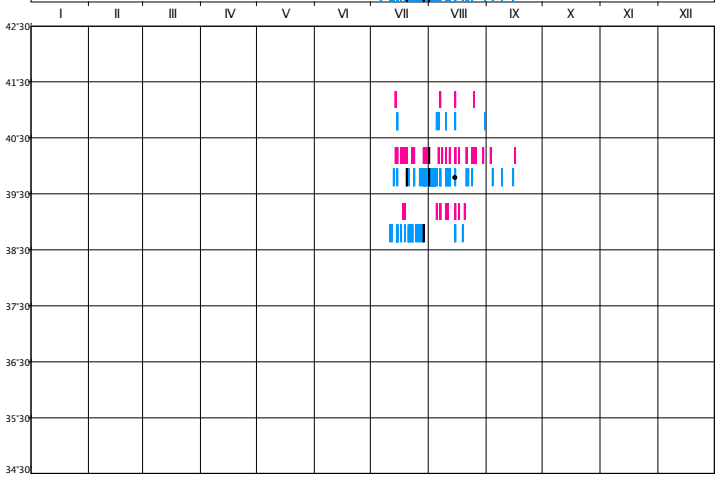


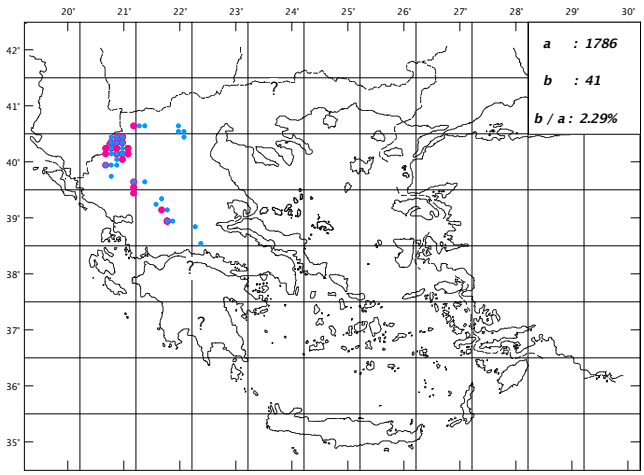


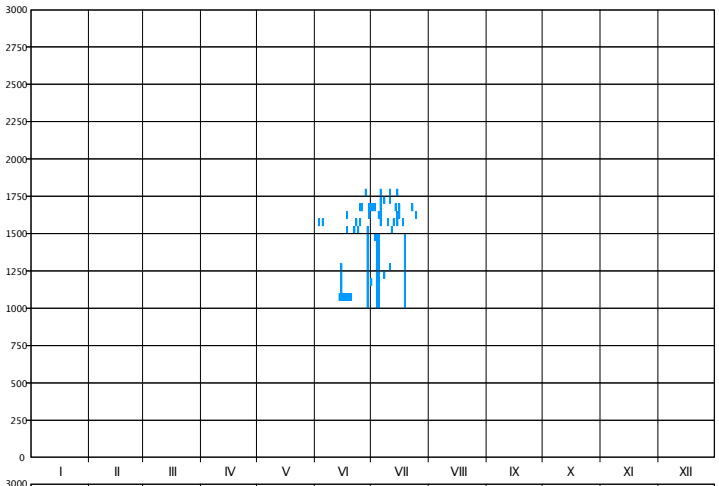


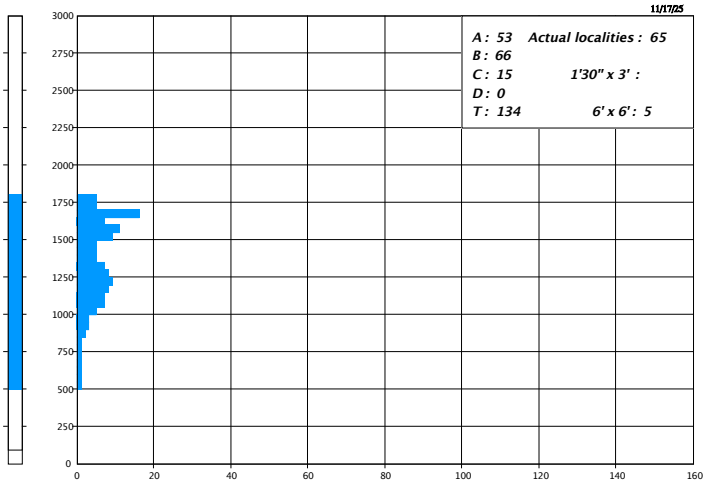


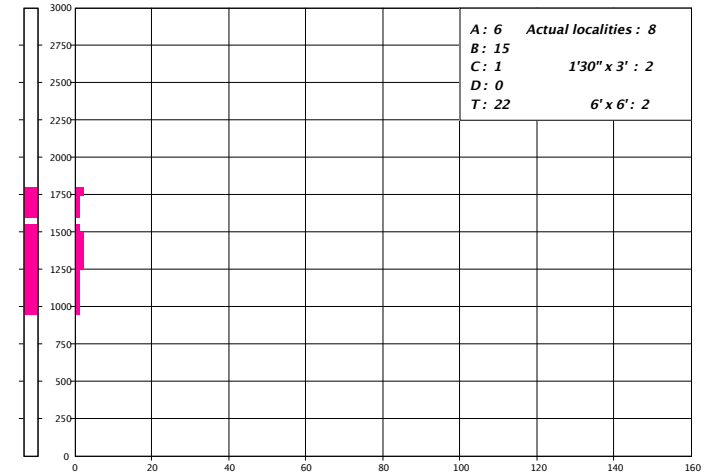
LYCAENIDAE *Polyommatus damon*

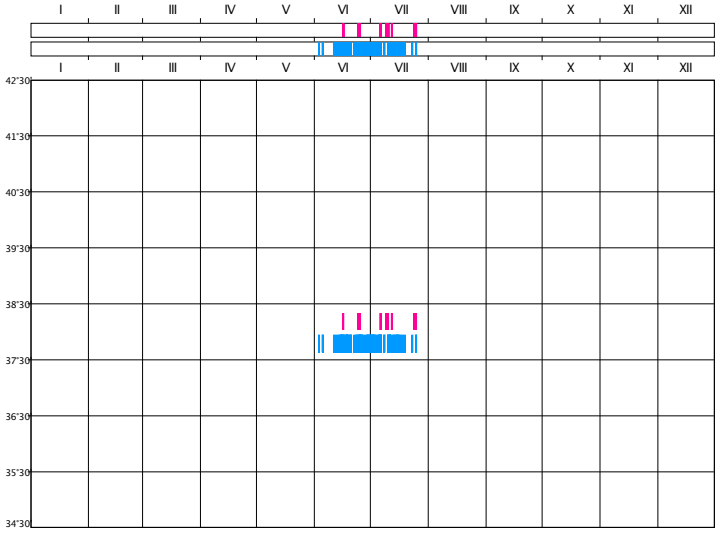




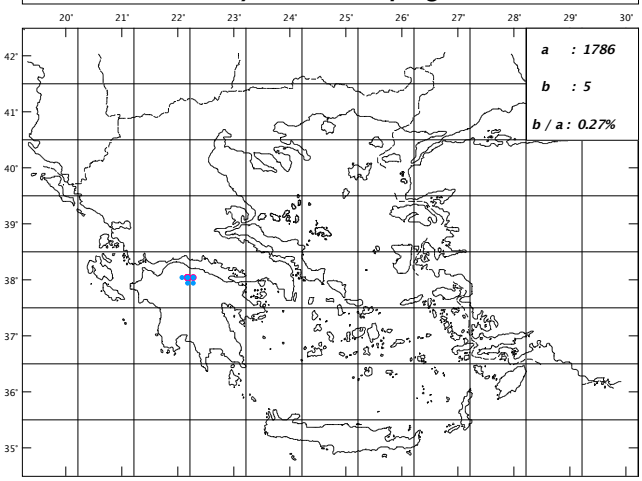


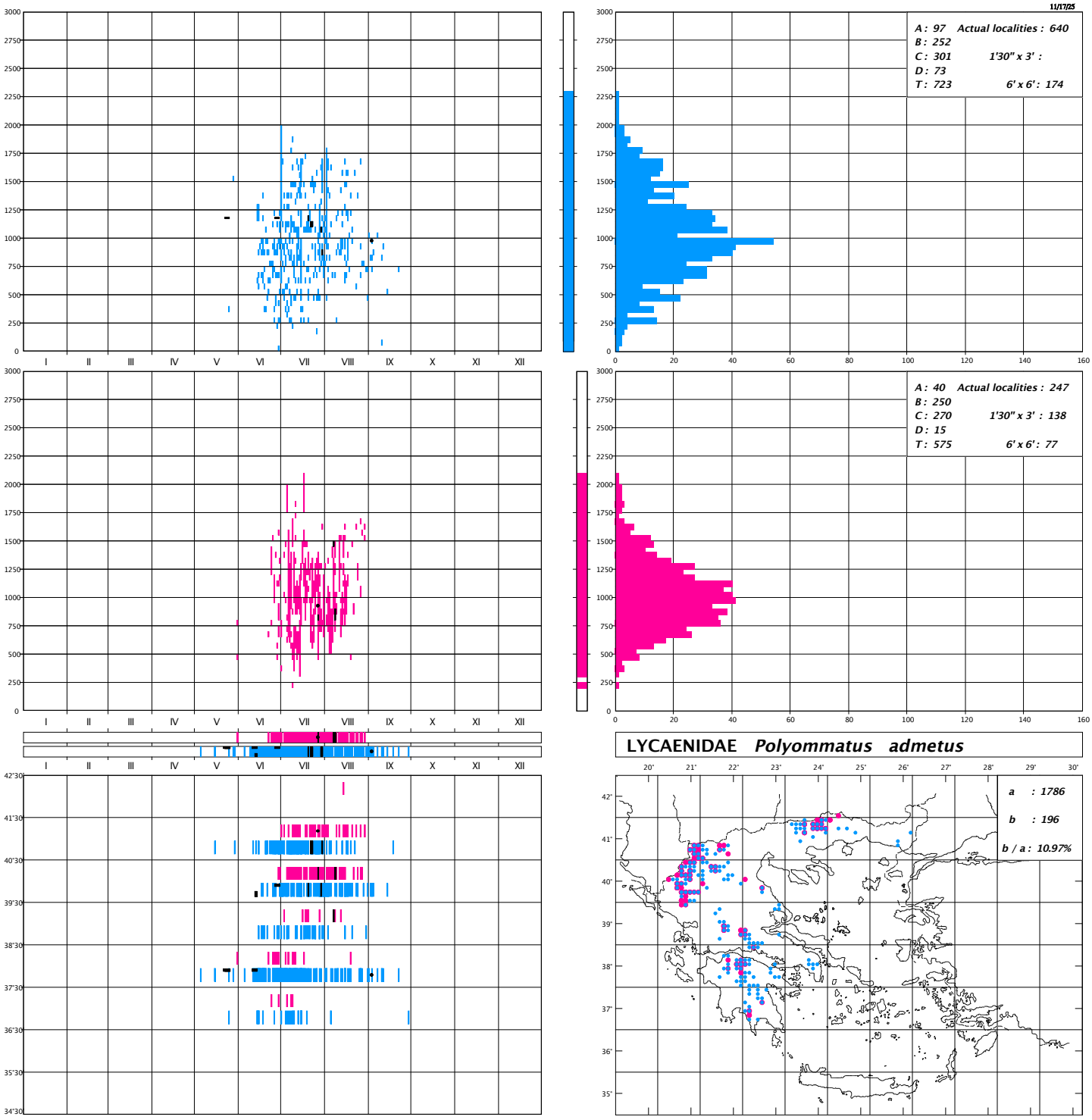


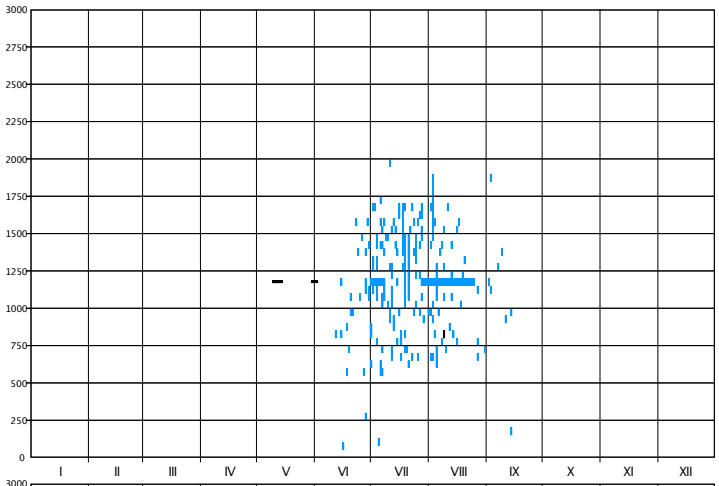


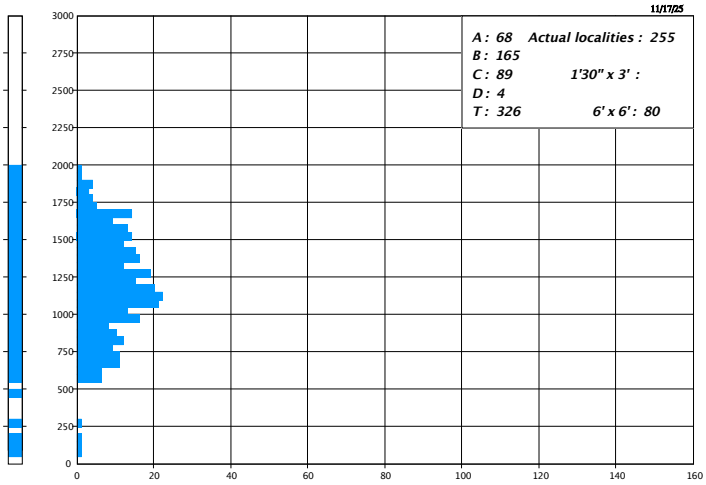


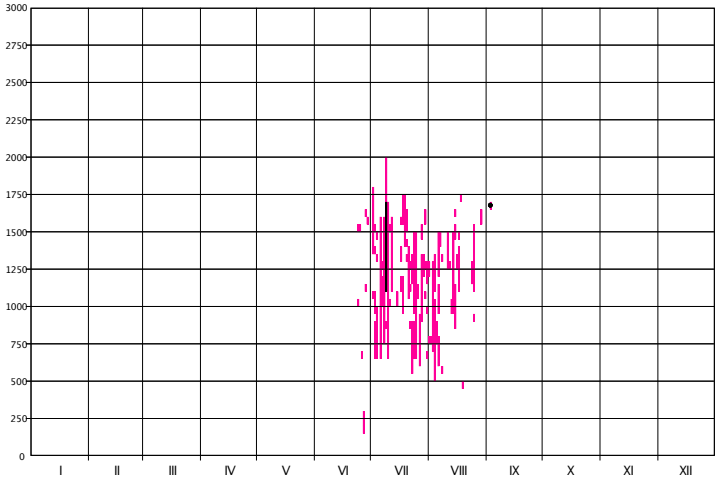
LYCAENIDAE *Polyommatus iphigenia*

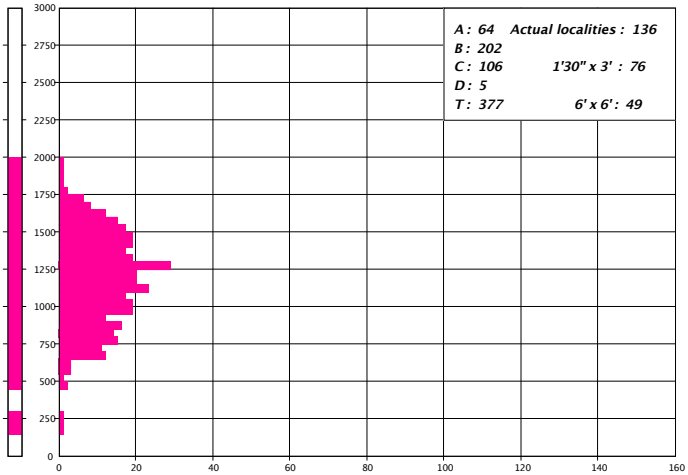


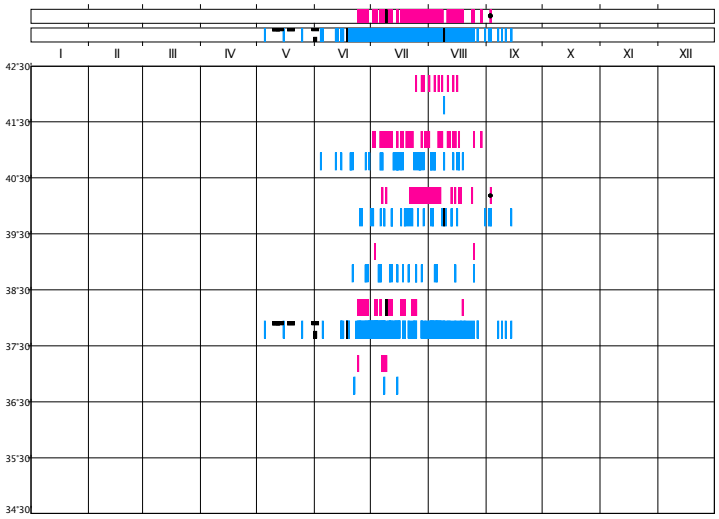

11/17/25
A : 97 Actual localities : 640
B : 252
C : 301 1'30" x 3' :
D : 73
T : 723 6' x 6' : 174
A : 40 Actual localities : 247
B : 250
C : 270 1'30" x 3' : 138
D : 15
T : 575 6' x 6' : 77
LYCAENIDAE Polyommatus admetus
a : 1786
b : 196
b / a : 10.97%



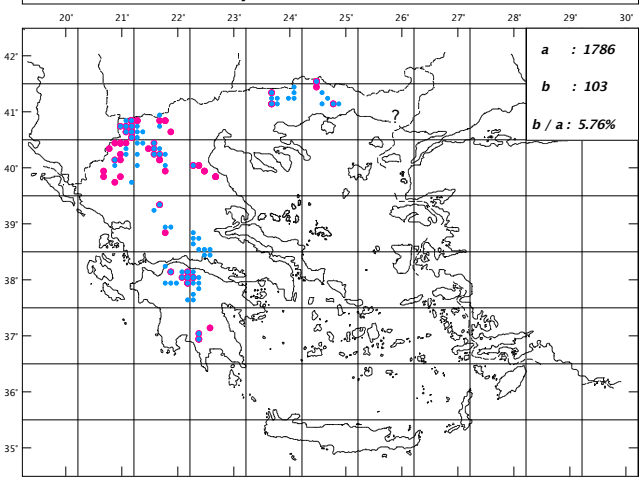


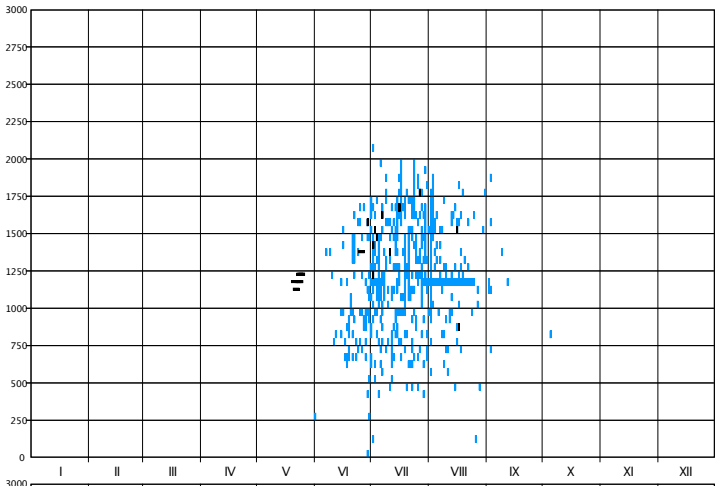


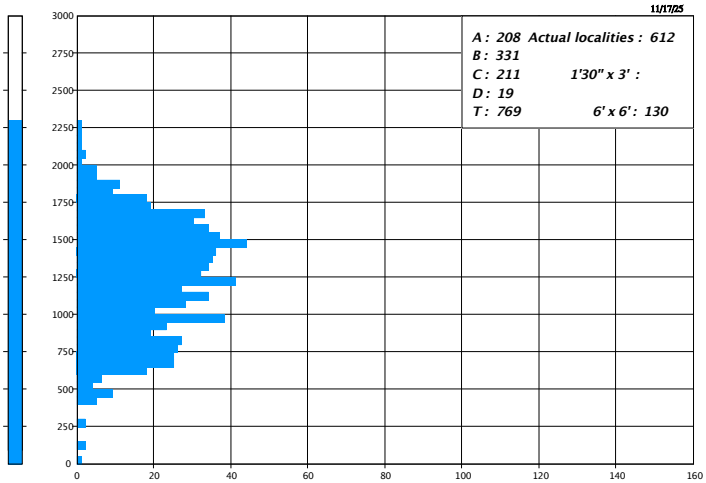


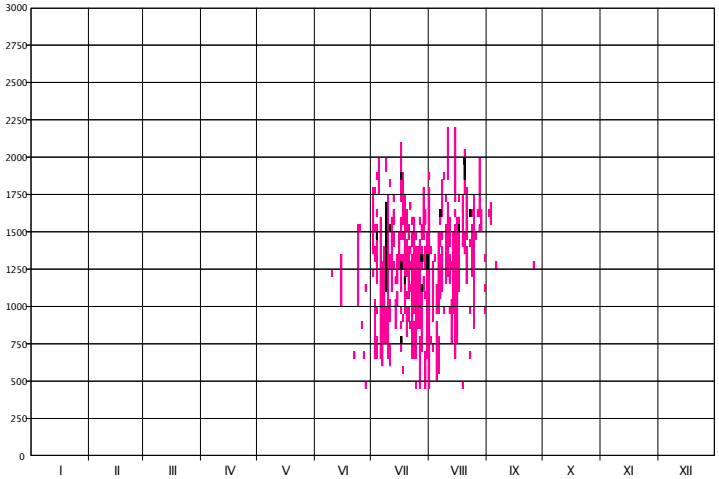


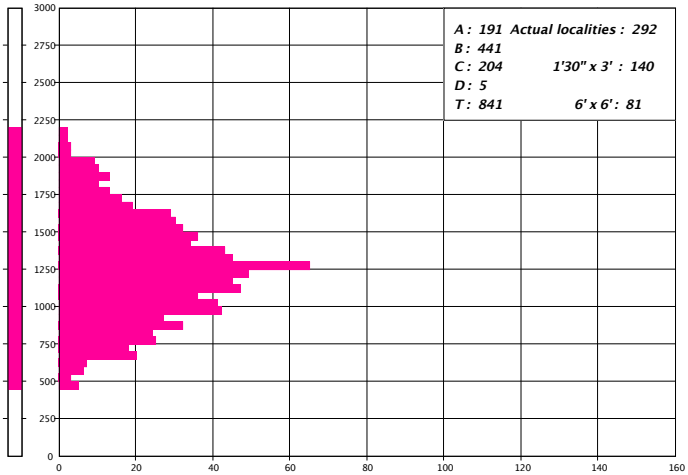
LYCAENIDAE *Polyommatus aroaniensis*

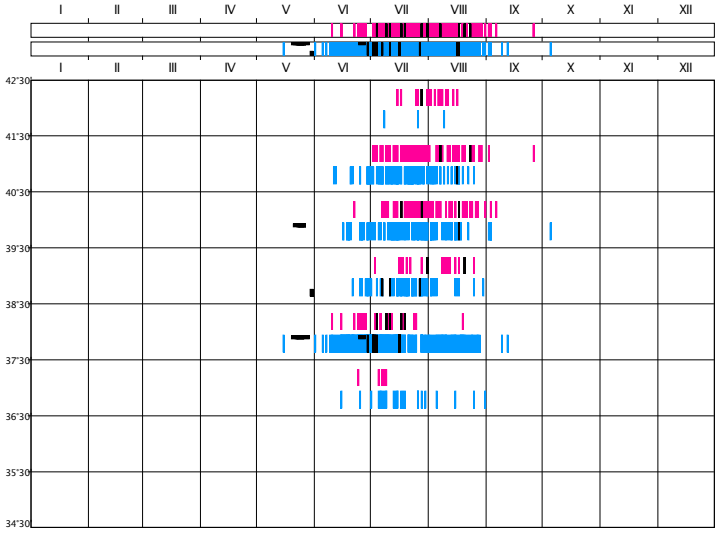




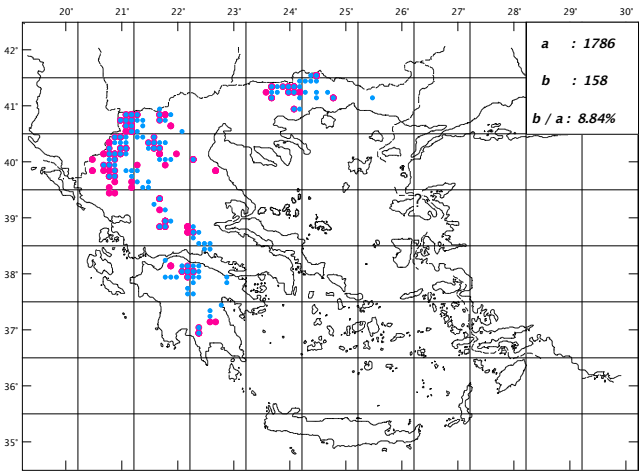


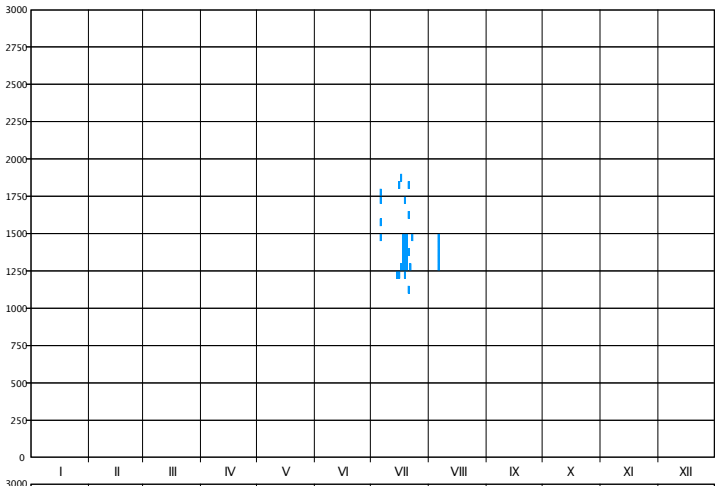


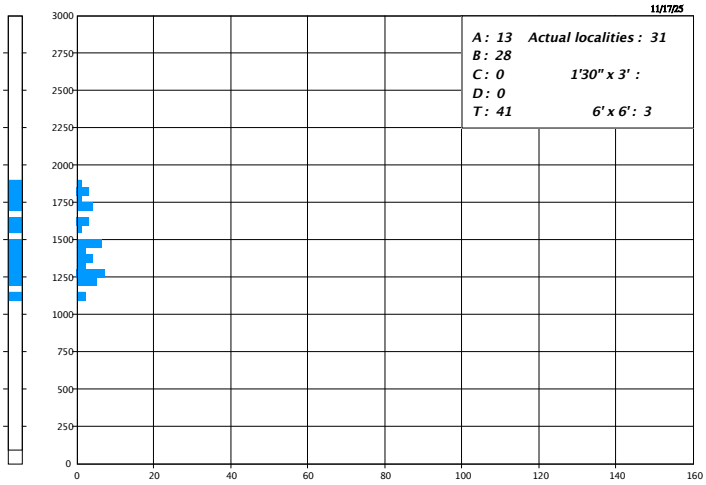


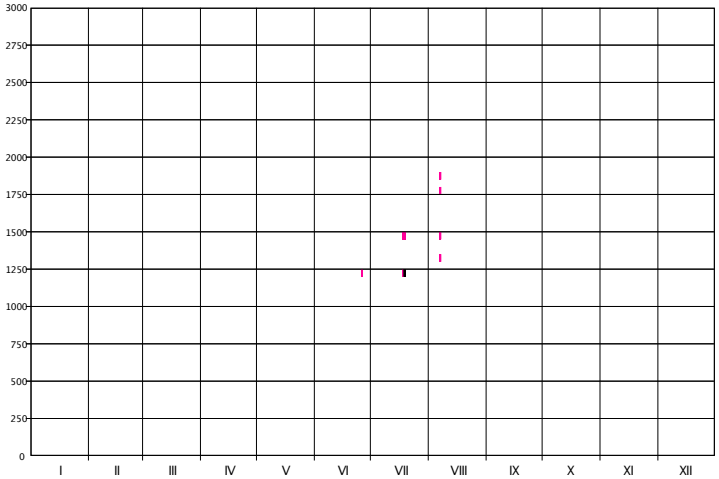


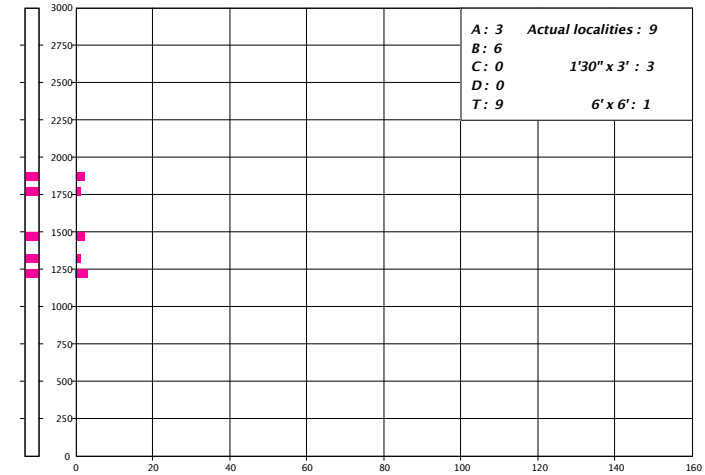
LYCAENIDAE *Polyommatus ripartii*

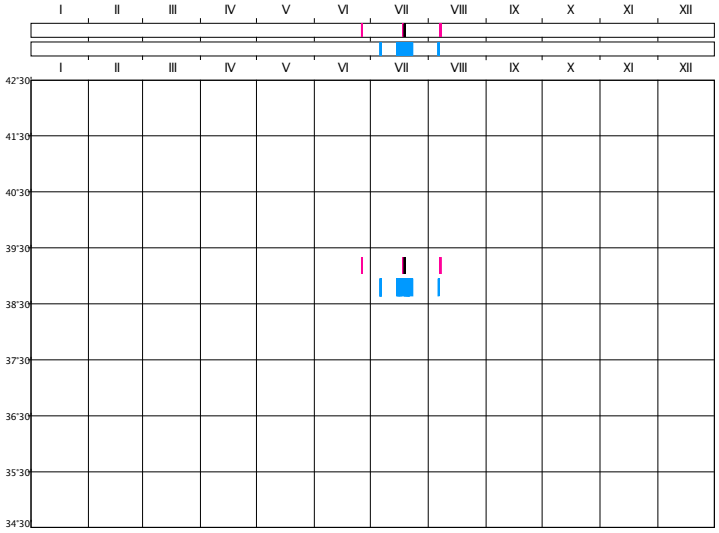




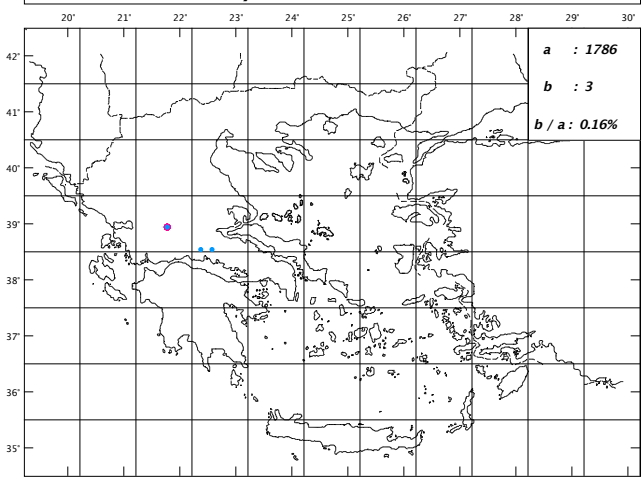


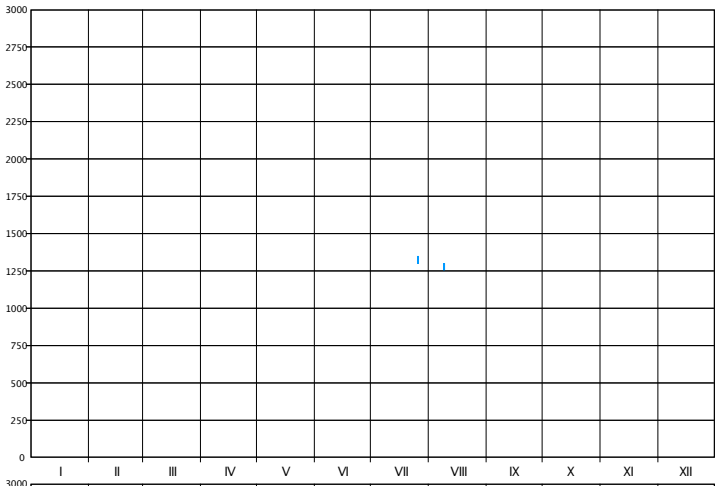


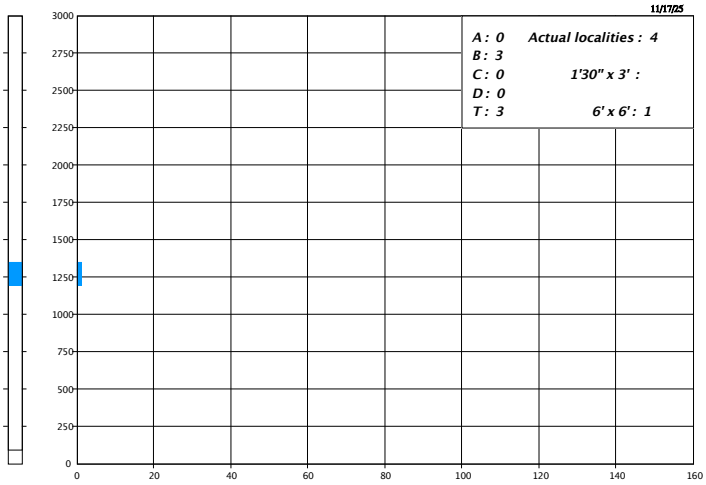


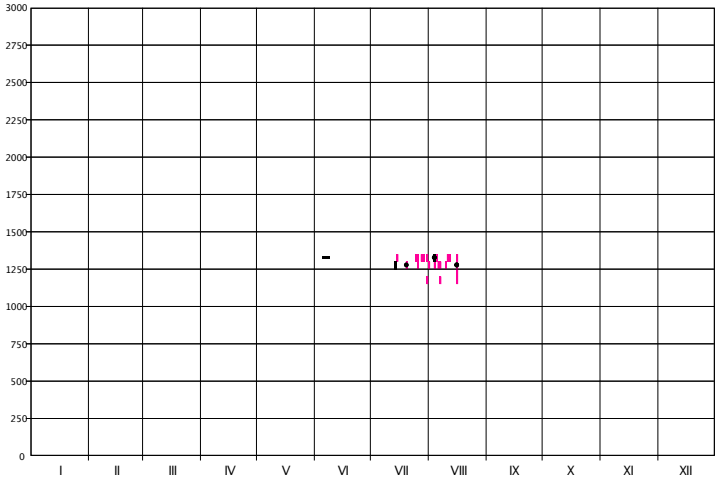


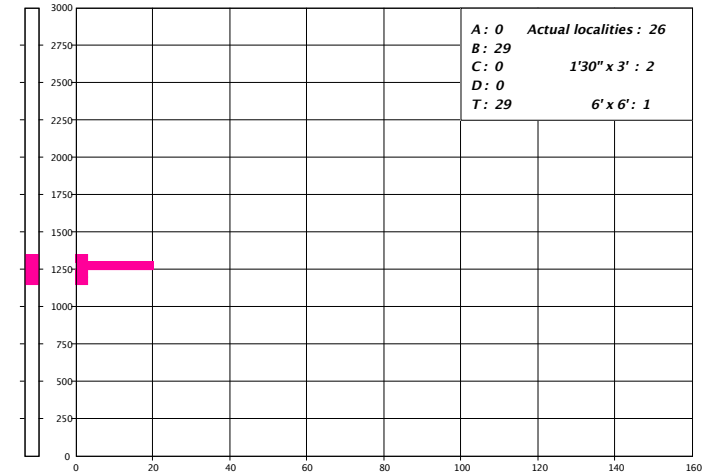
LYCAENIDAE *Polyommatus timfristos*

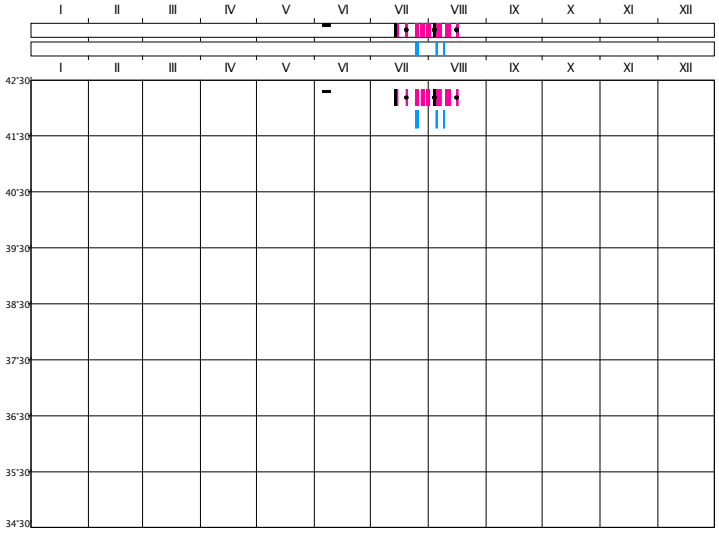




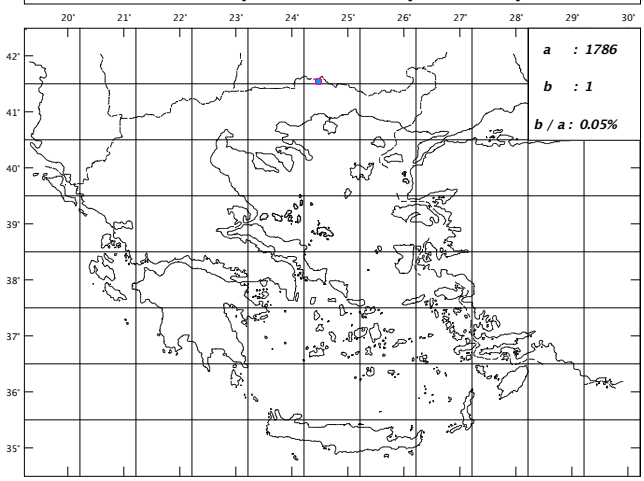


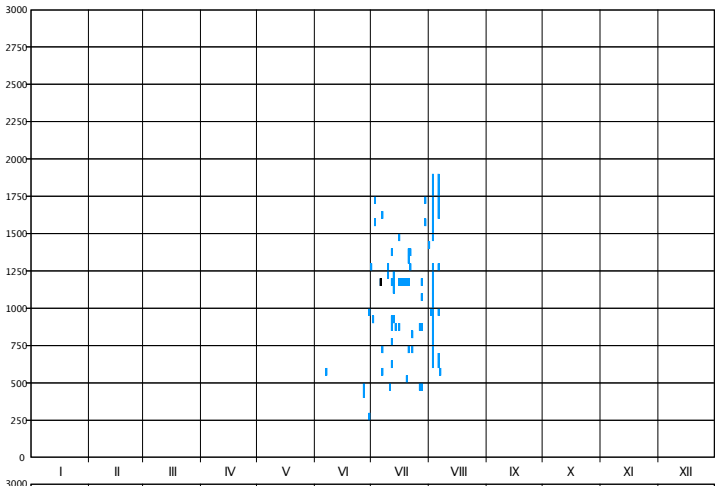


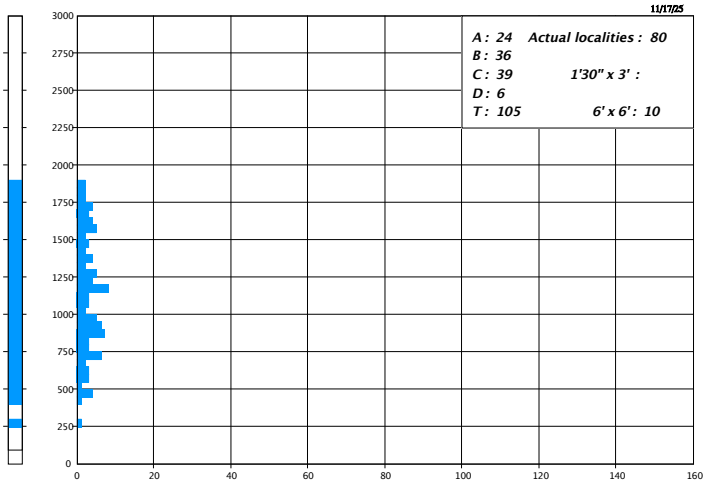


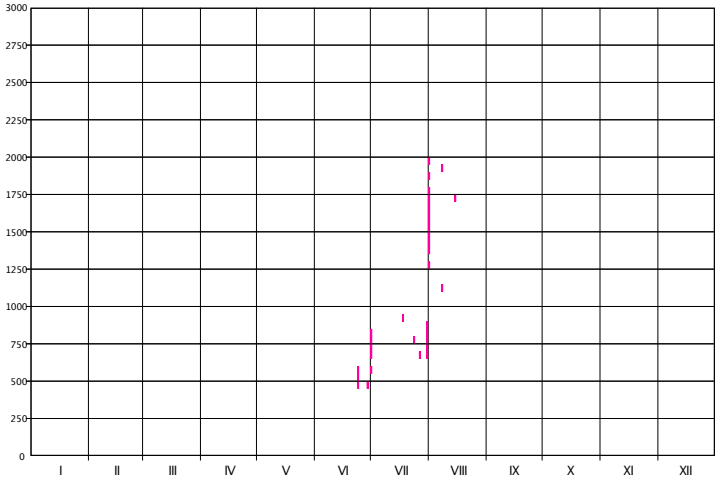


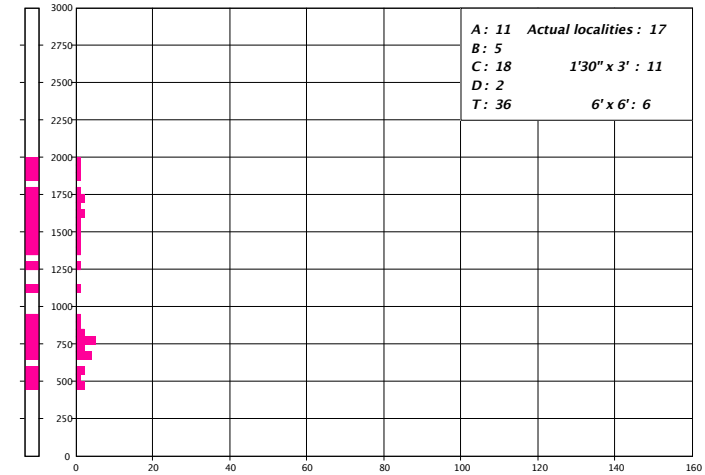
LYCAENIDAE *Polyommatus orphicus orphicus*

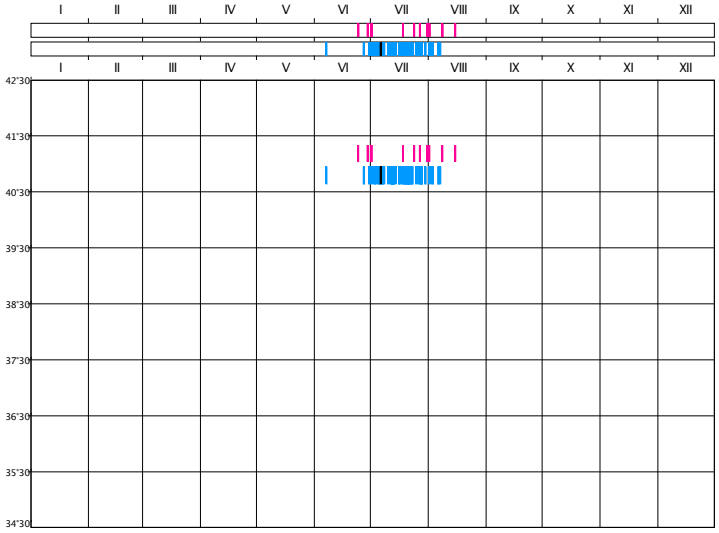




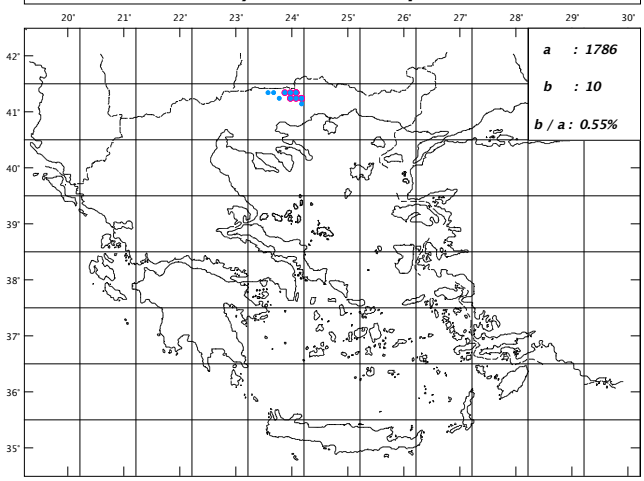


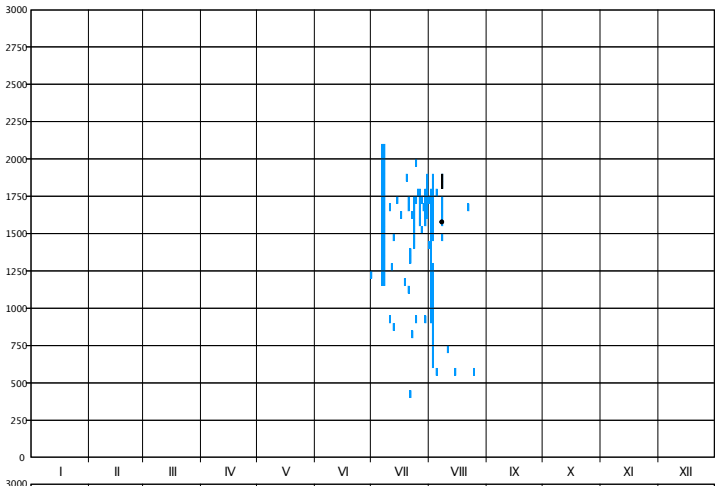


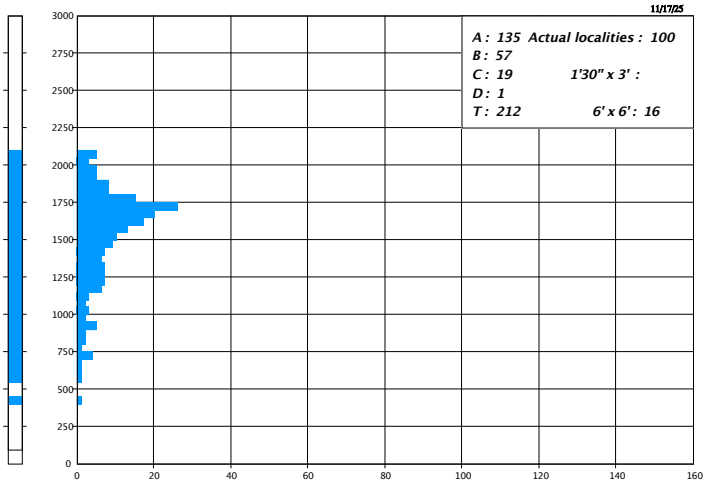


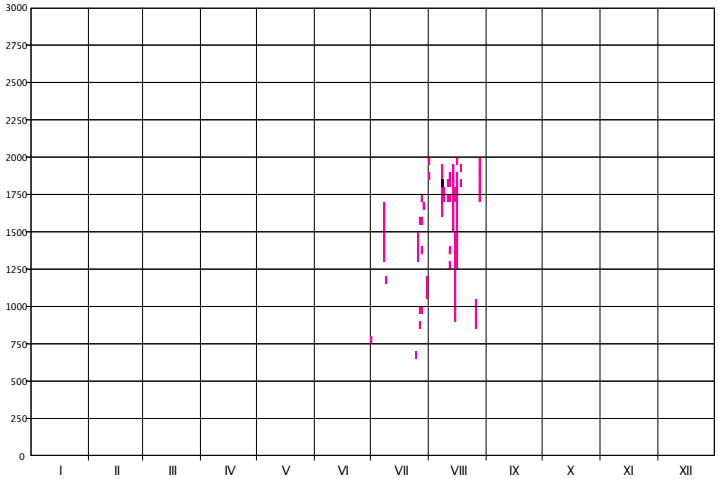


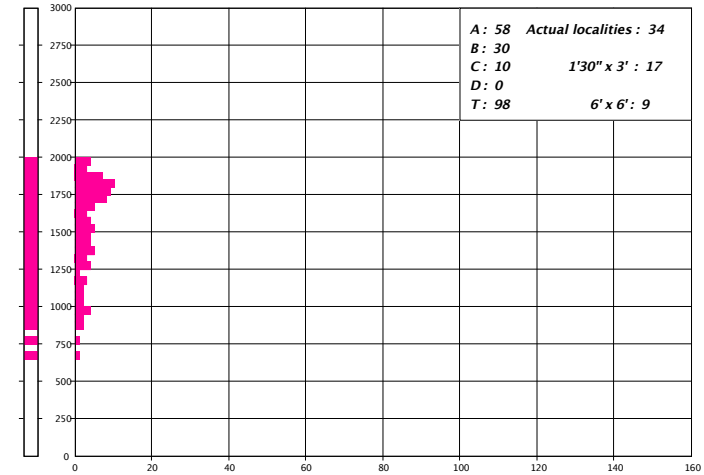
LYCAENIDAE *Polyommatus orphicus eleniae*

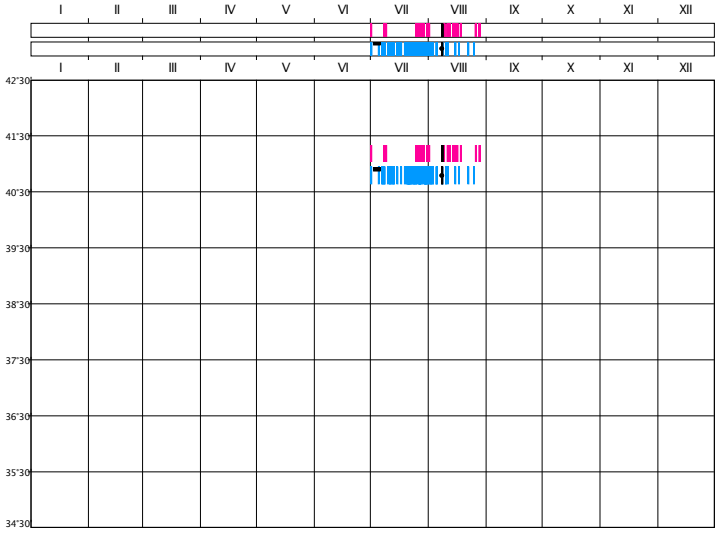




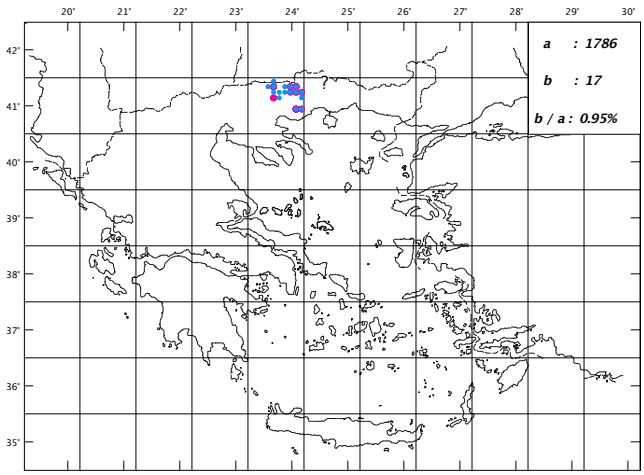


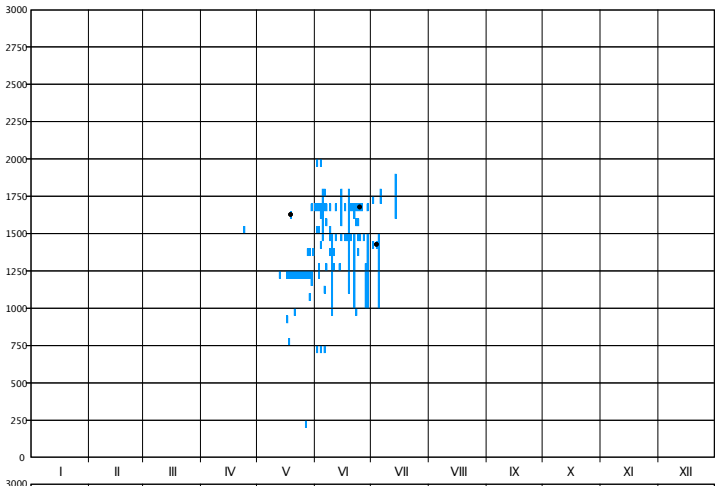


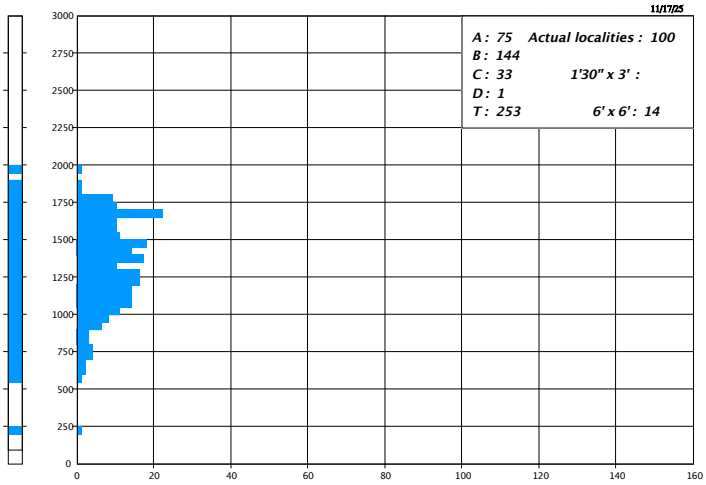


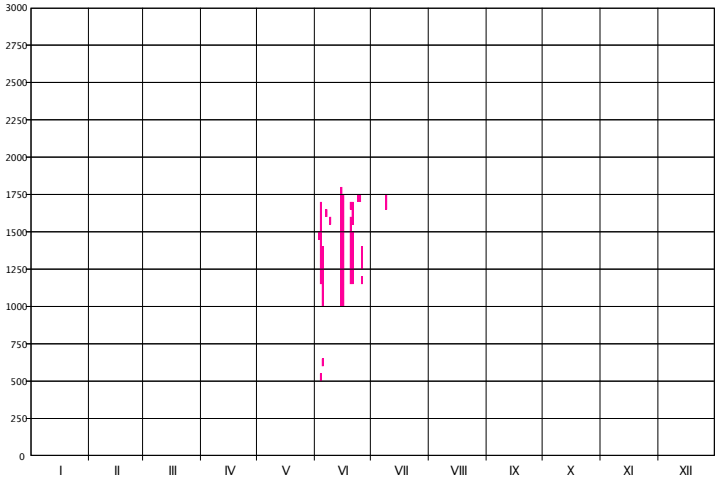


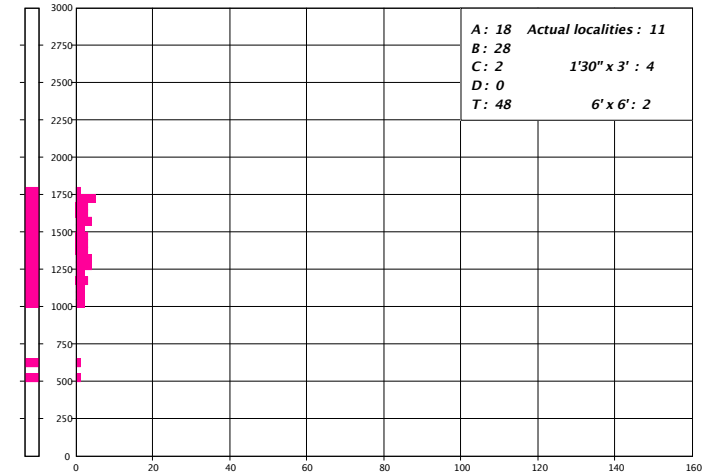
LYCAENIDAE *Polyommatus nephohiptamenos*

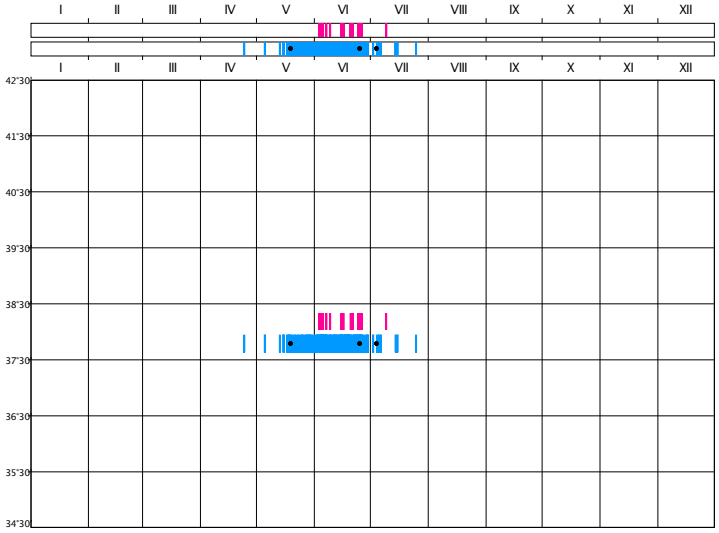




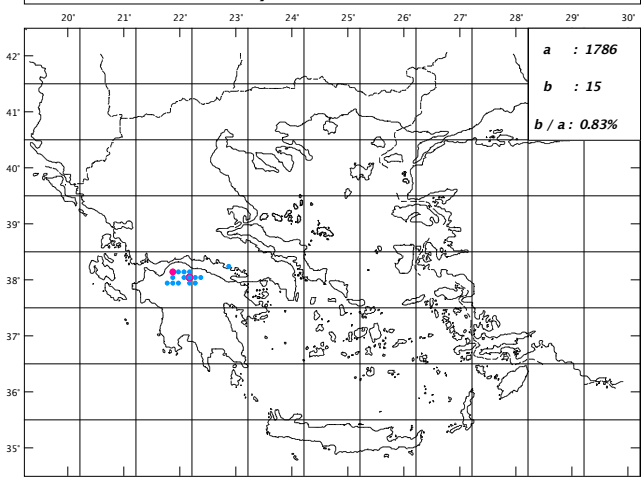


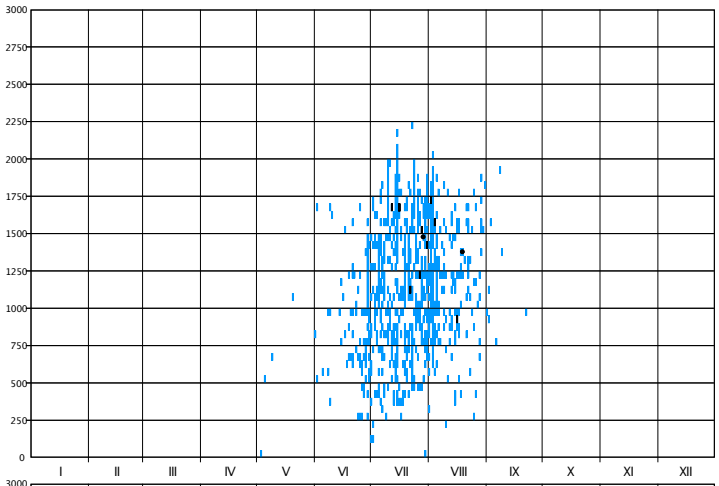


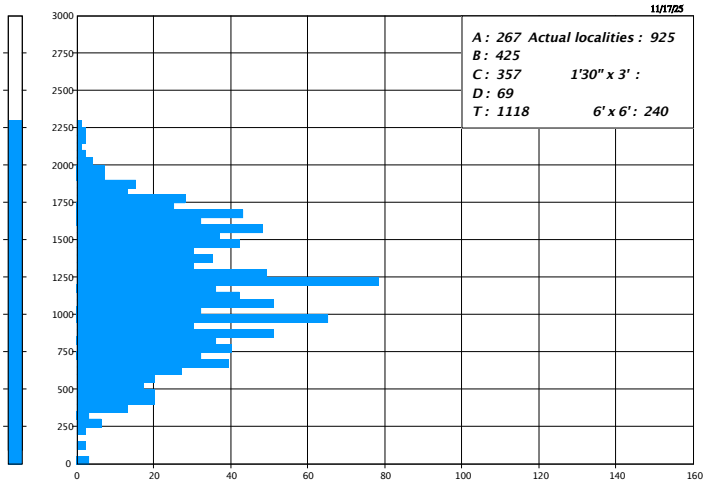


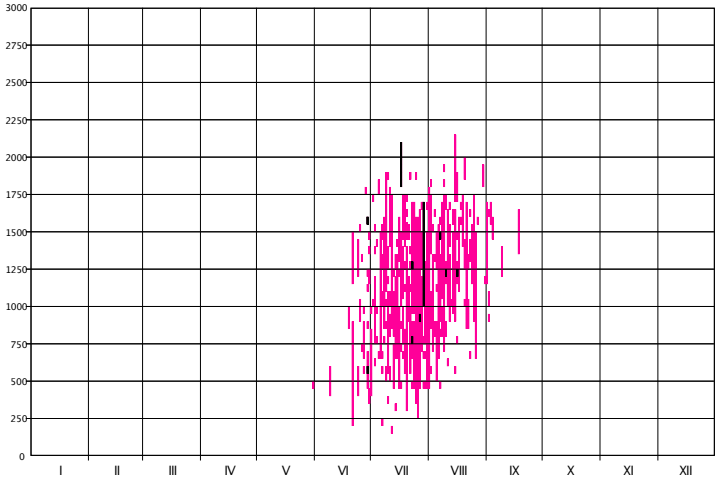


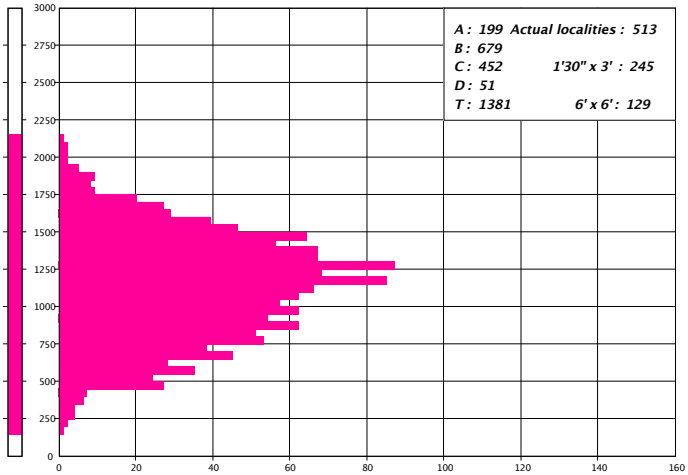
LYCAENIDAE *Neolysandra coelestina*

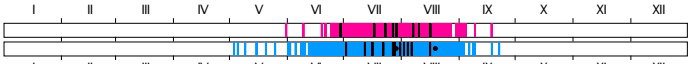




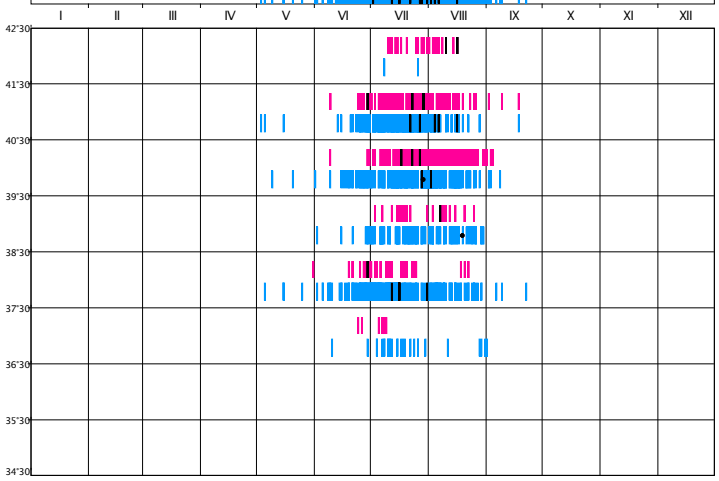


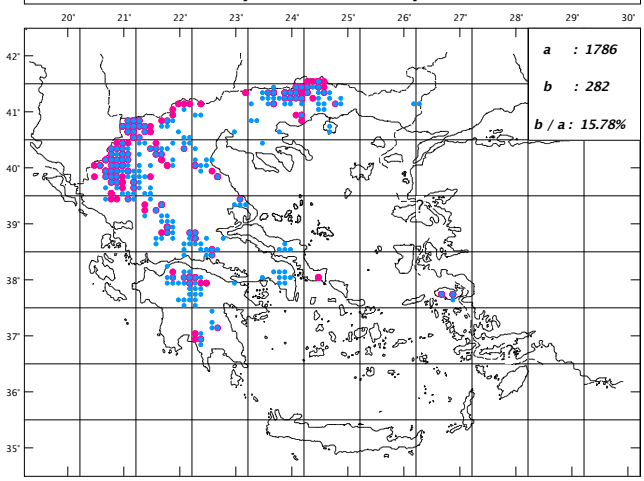


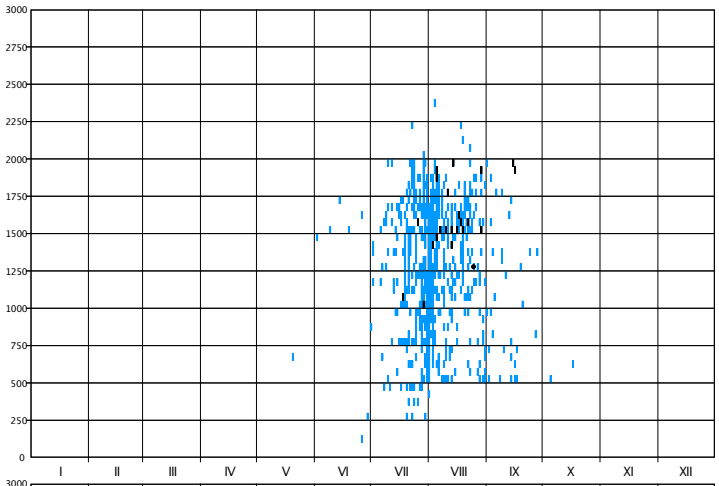


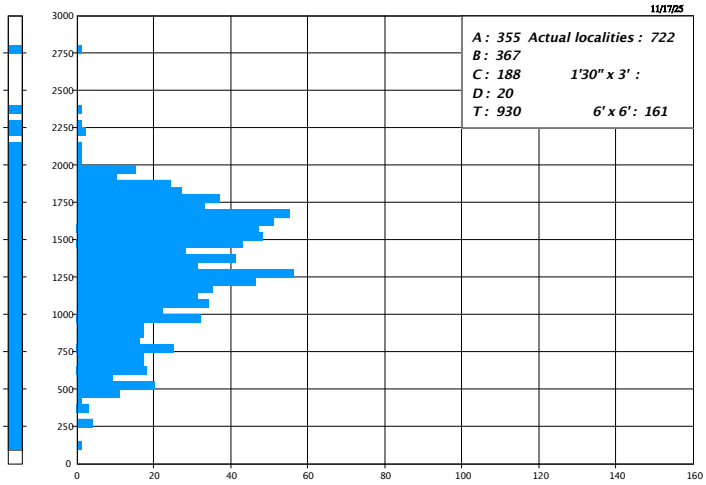


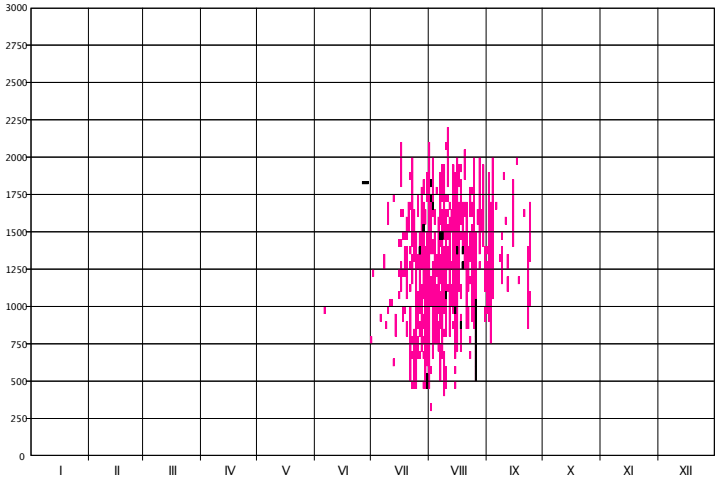
LYCAENIDAE *Polyommatus daphnis*

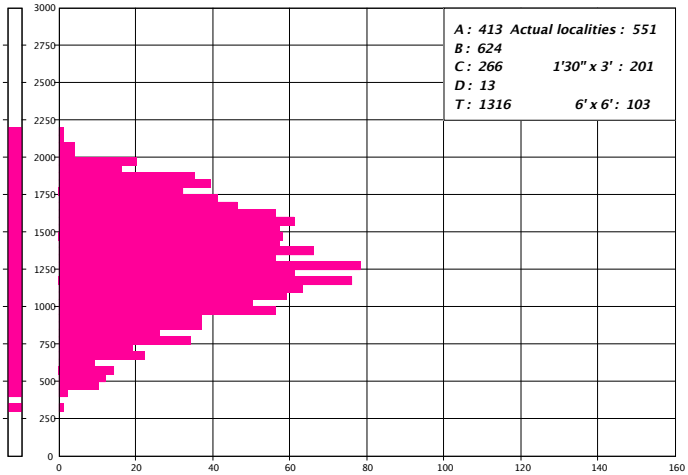


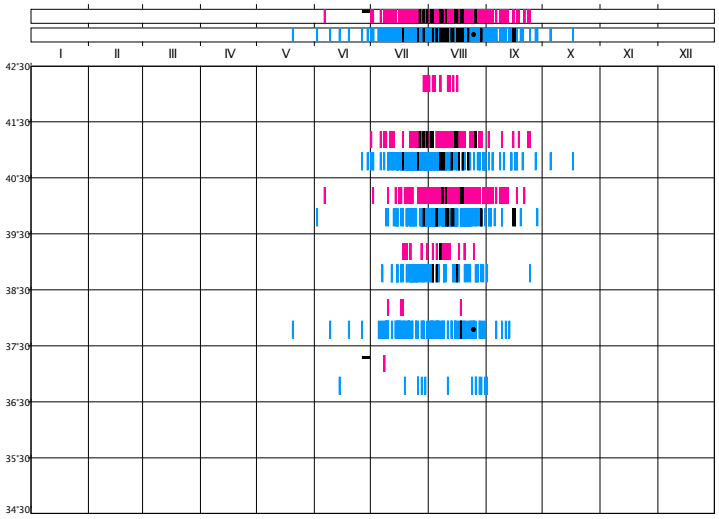




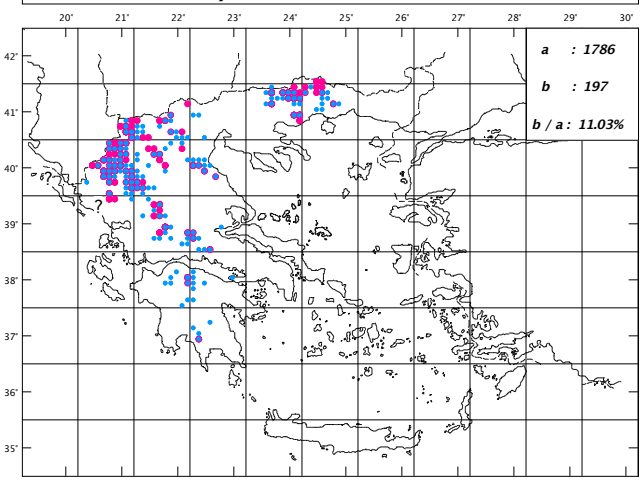


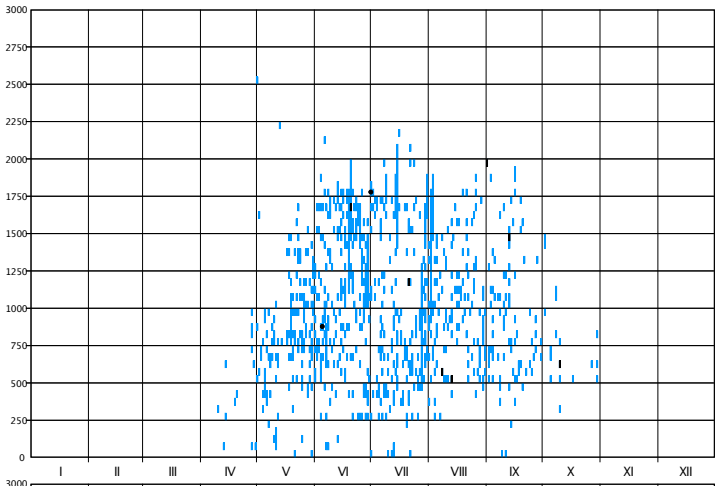


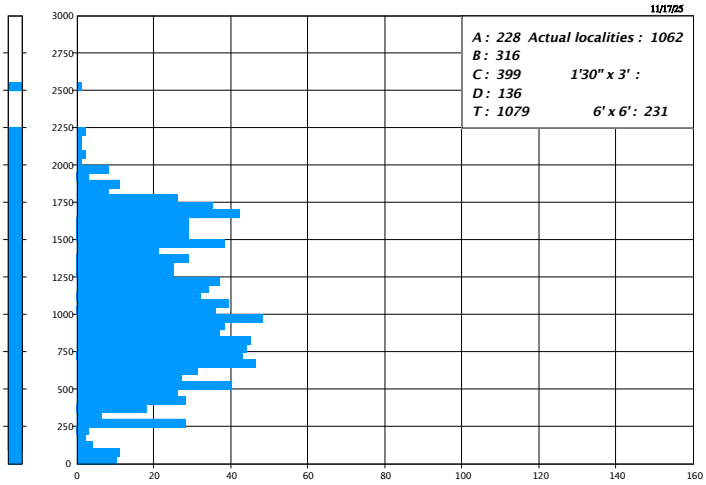


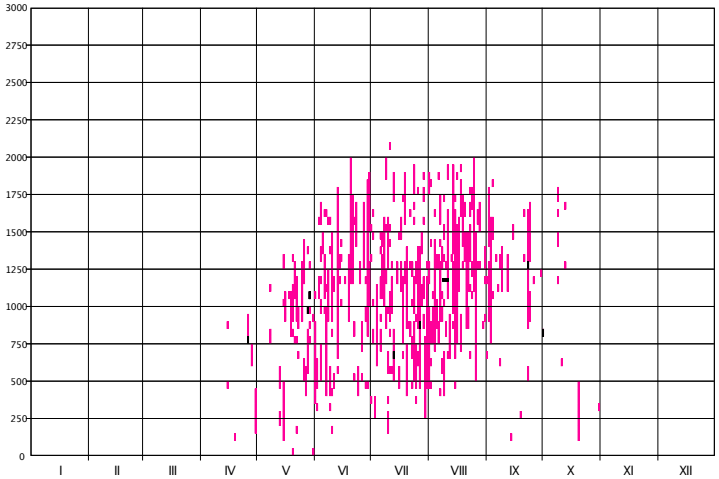


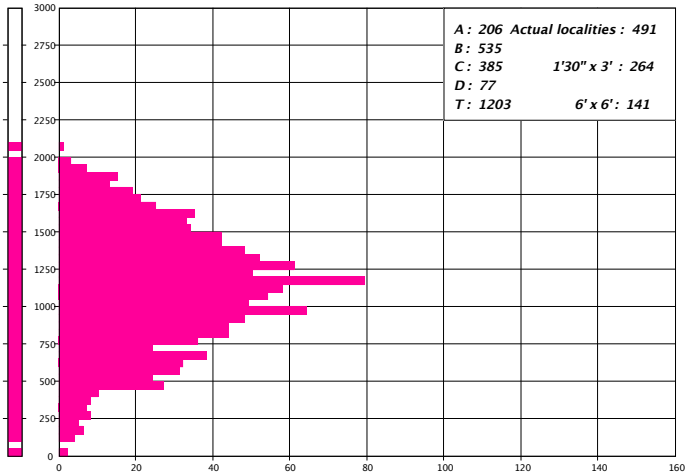
LYCAENIDAE *Lysandra coridon*

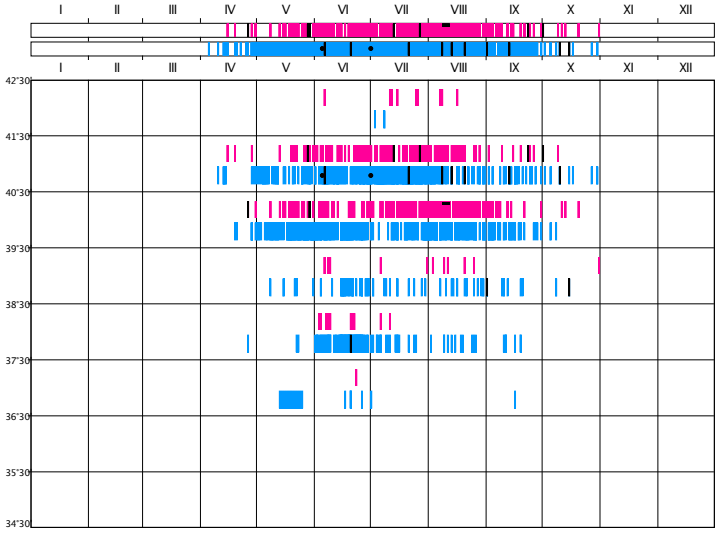




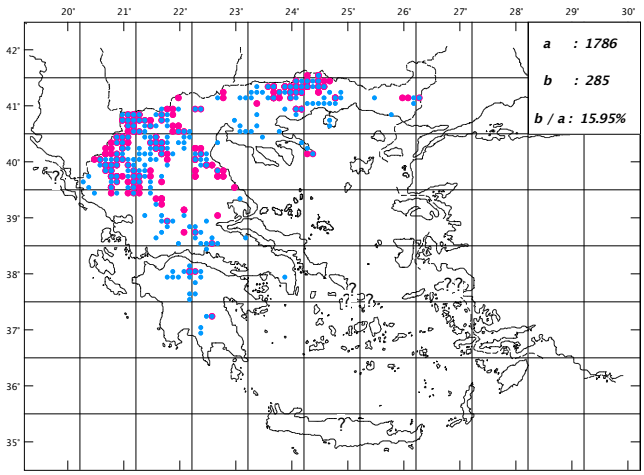


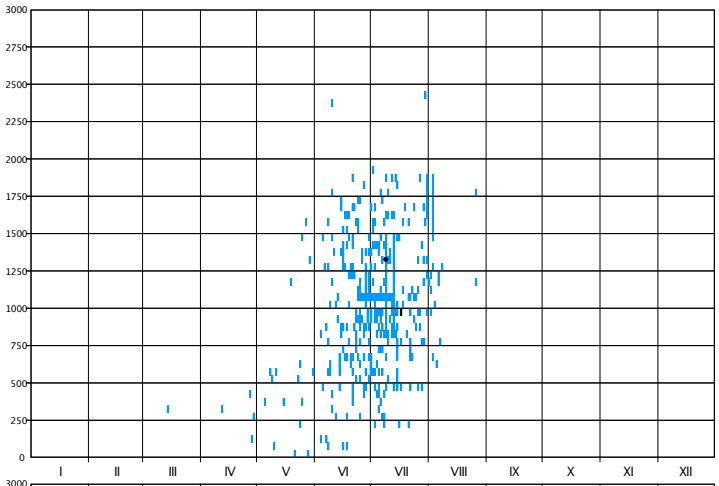


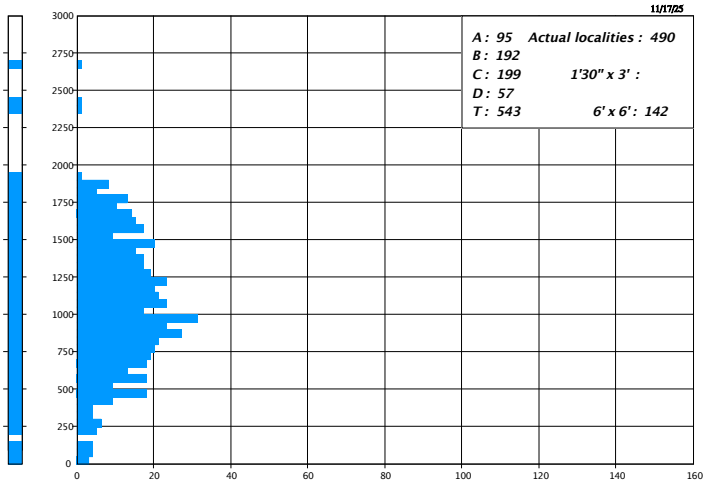


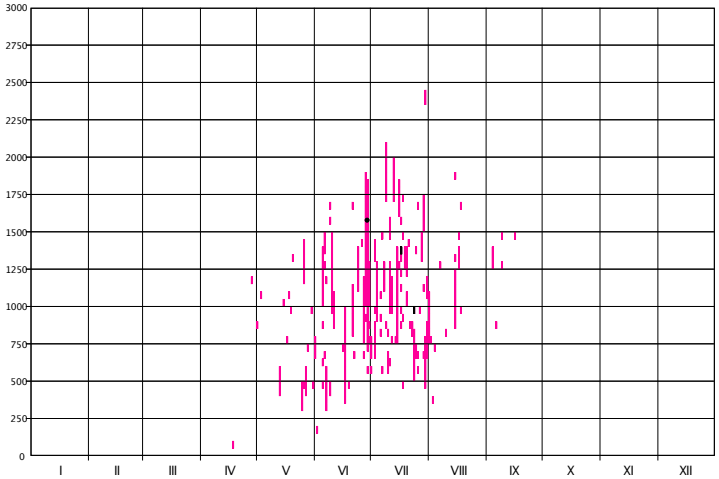


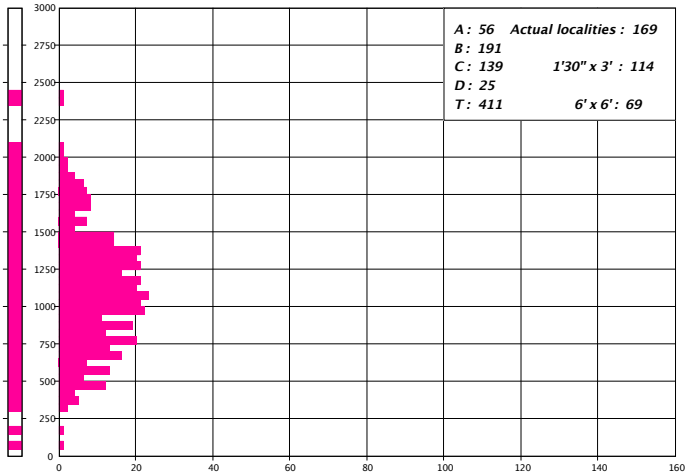
LYCAENIDAE *Lysandra bellargus*

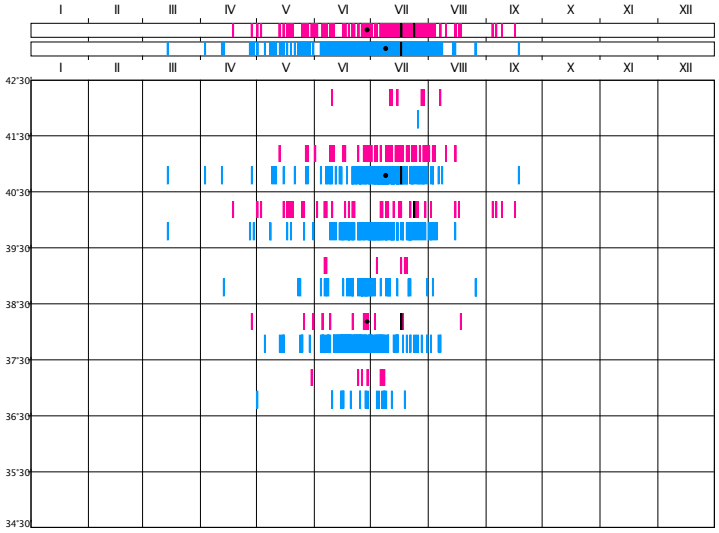




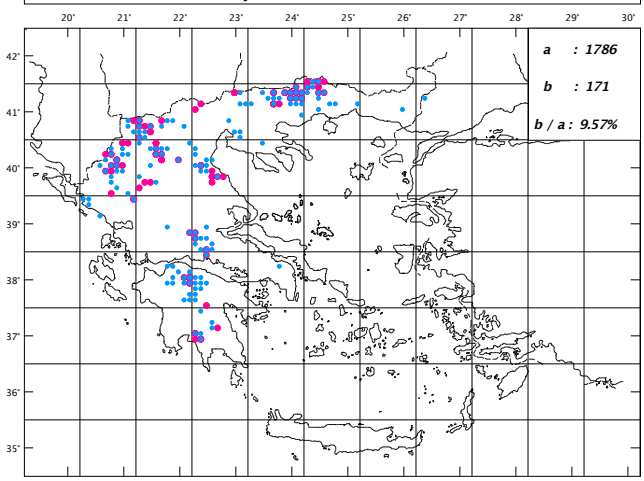


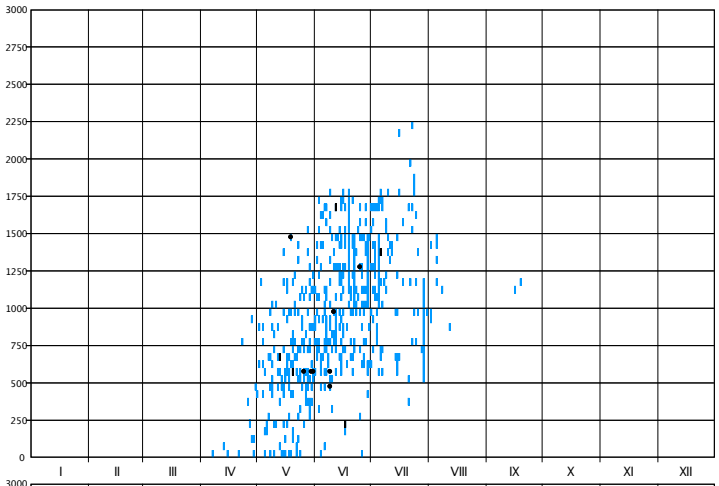


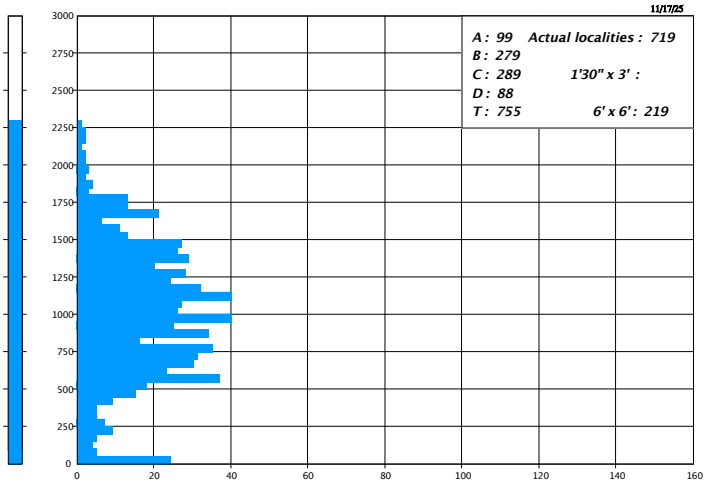


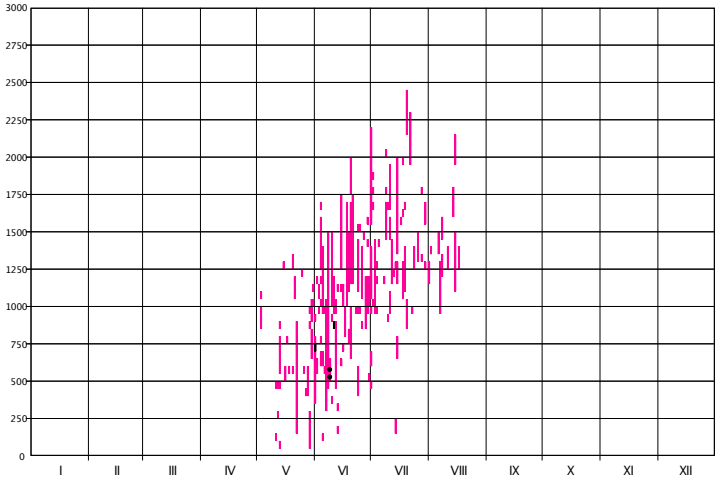


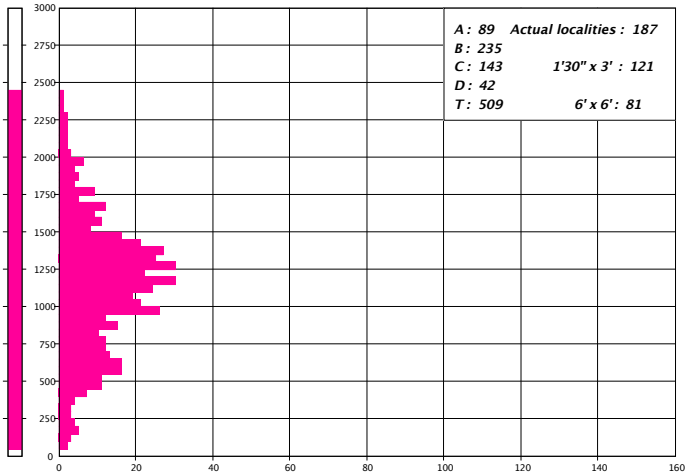
LYCAENIDAE *Polyommatus escheri*

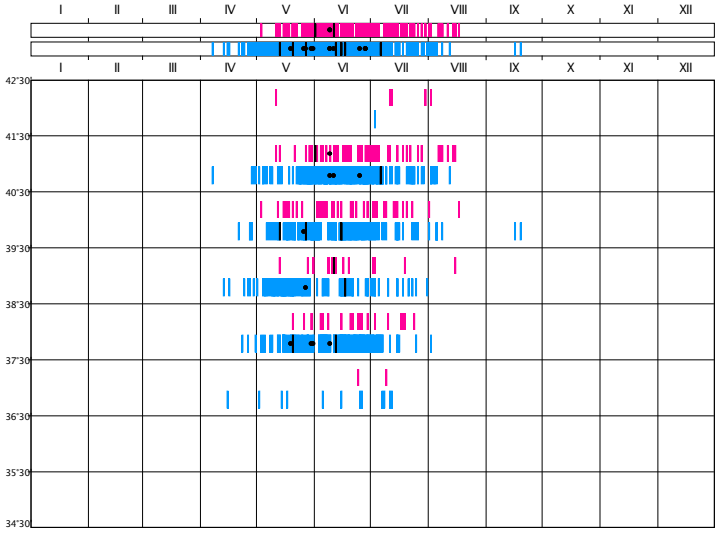




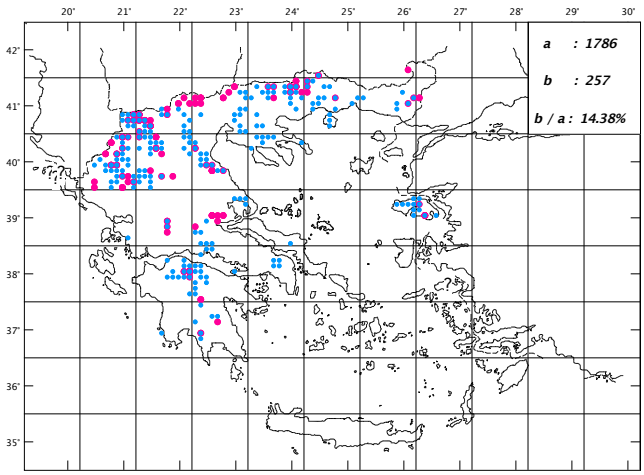


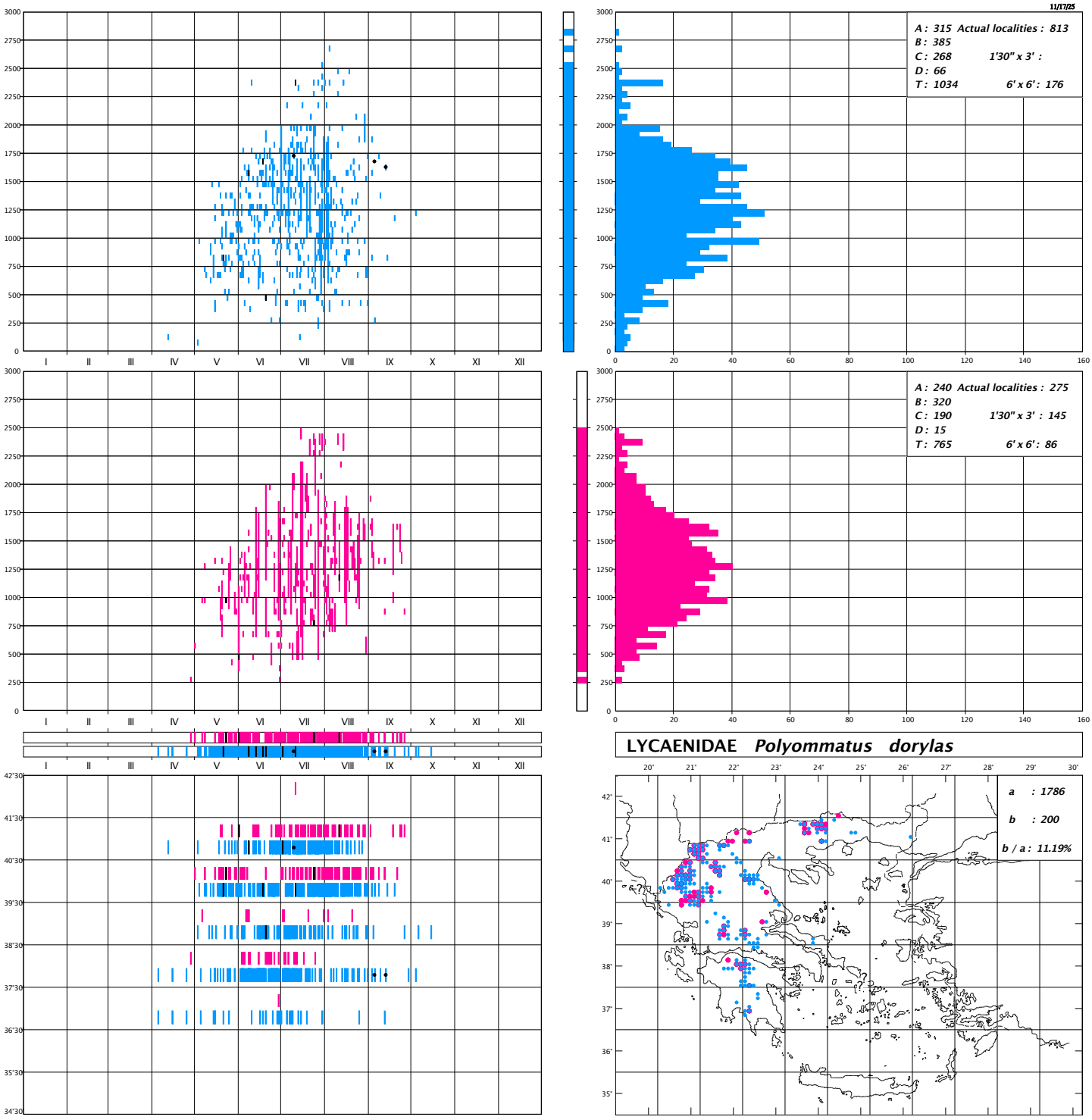


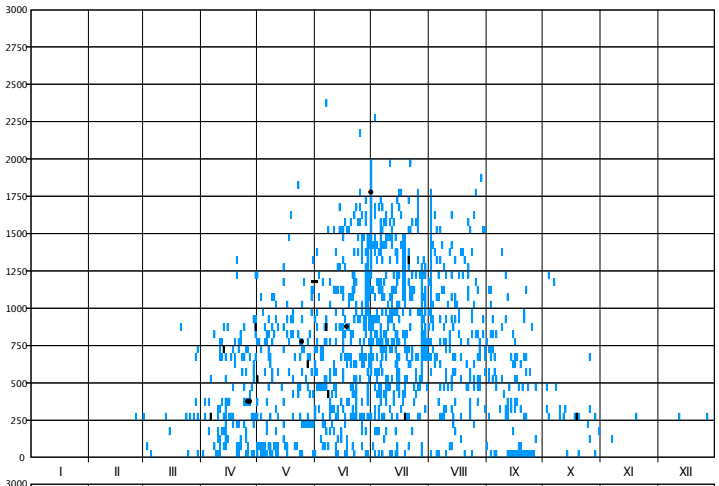


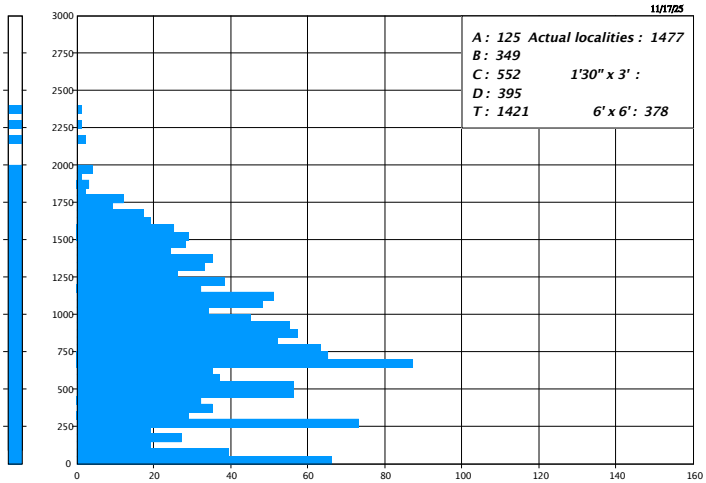


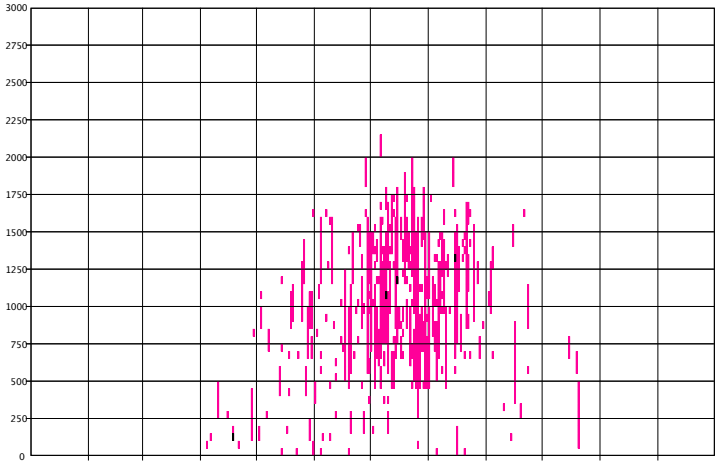
LYCAENIDAE *Polyommatus amandus*

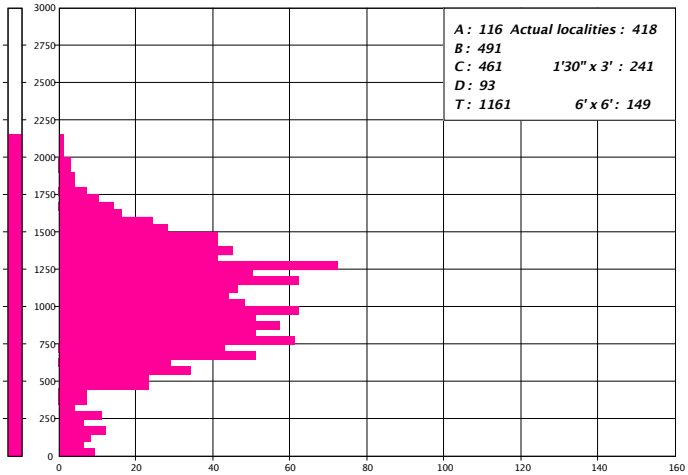



11/17/25
A : 315 Actual localities : 813
B : 385
C : 268 1'30" x 3' :
D : 66
T : 1034 6' x 6' : 176
A : 240 Actual localities : 275
B : 320
C : 190 1'30" x 3' : 145
D : 15
T : 765 6' x 6' : 86
LYCAENIDAE Polyommatus dorylas
a : 1786
b : 200
b / a : 11.19%

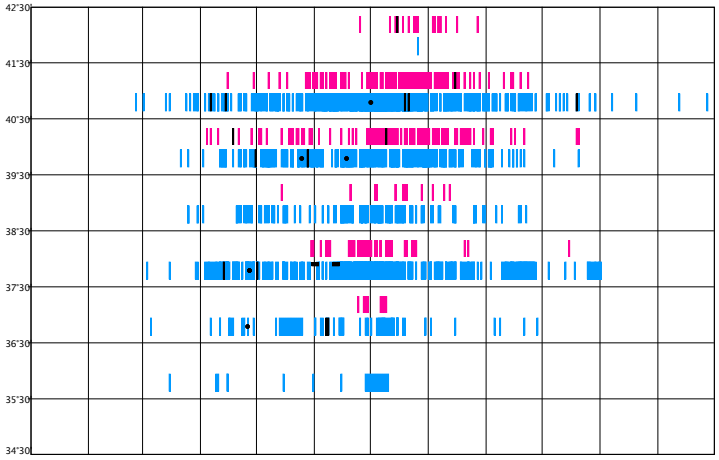


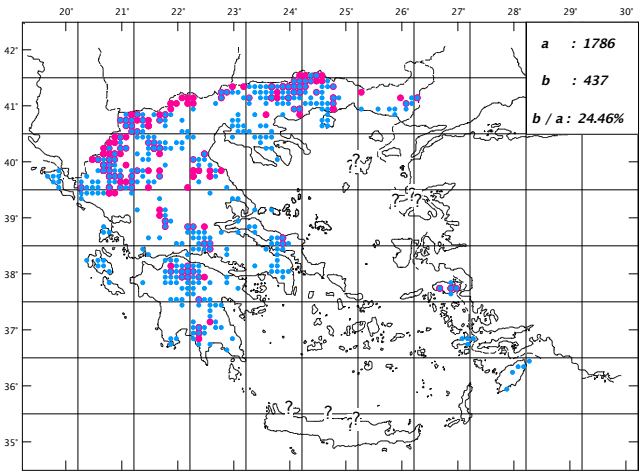


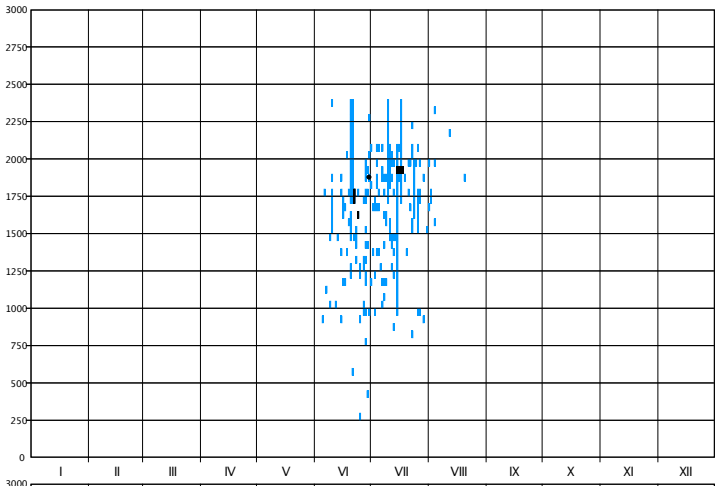


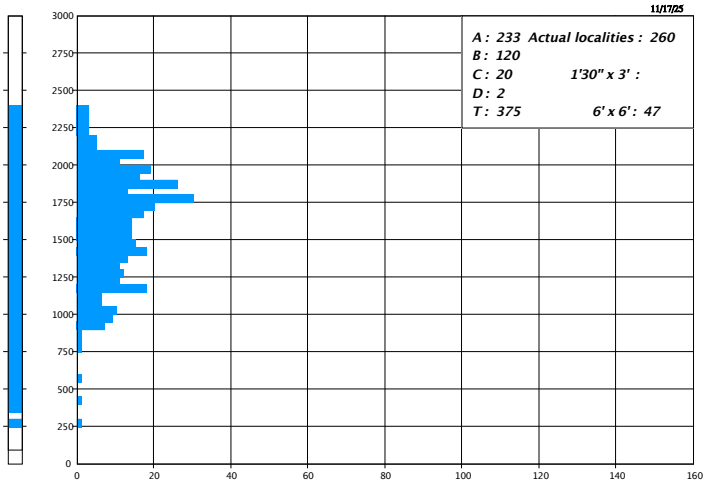


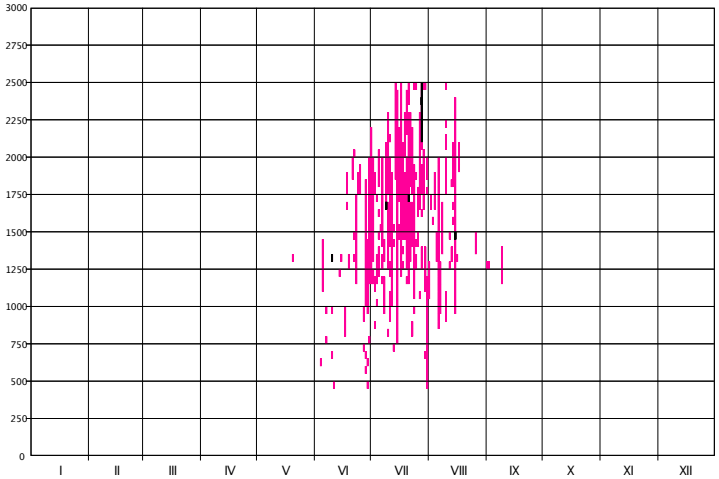
LYCAENIDAE *Polyommatus thersites*

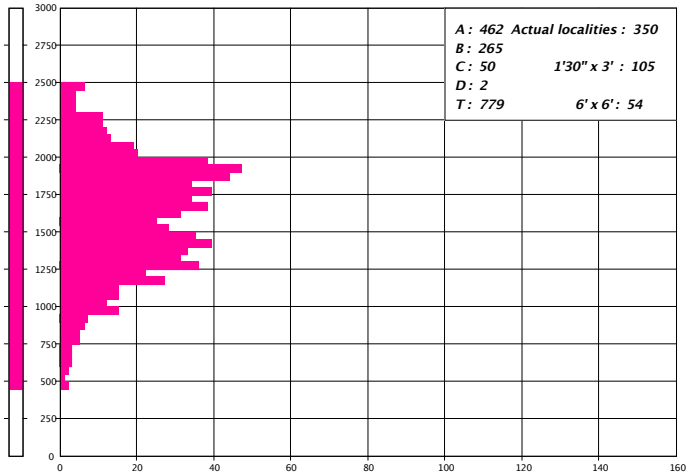


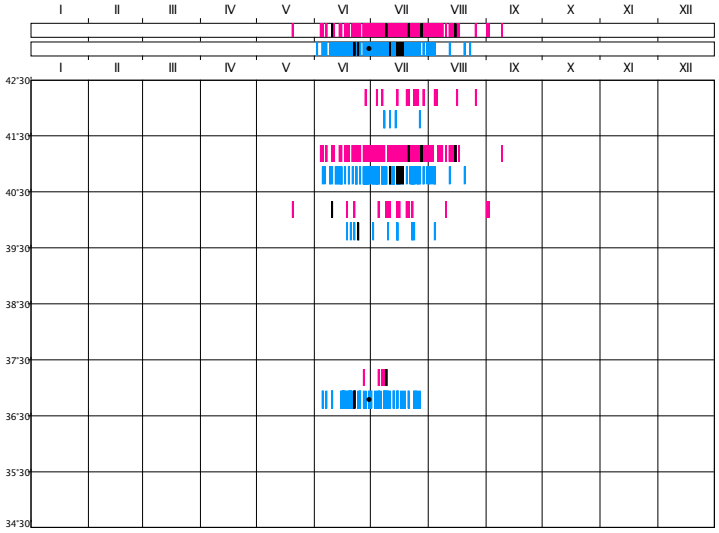




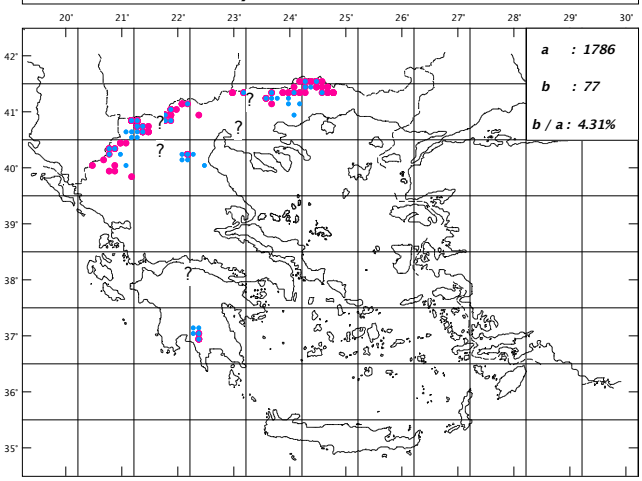


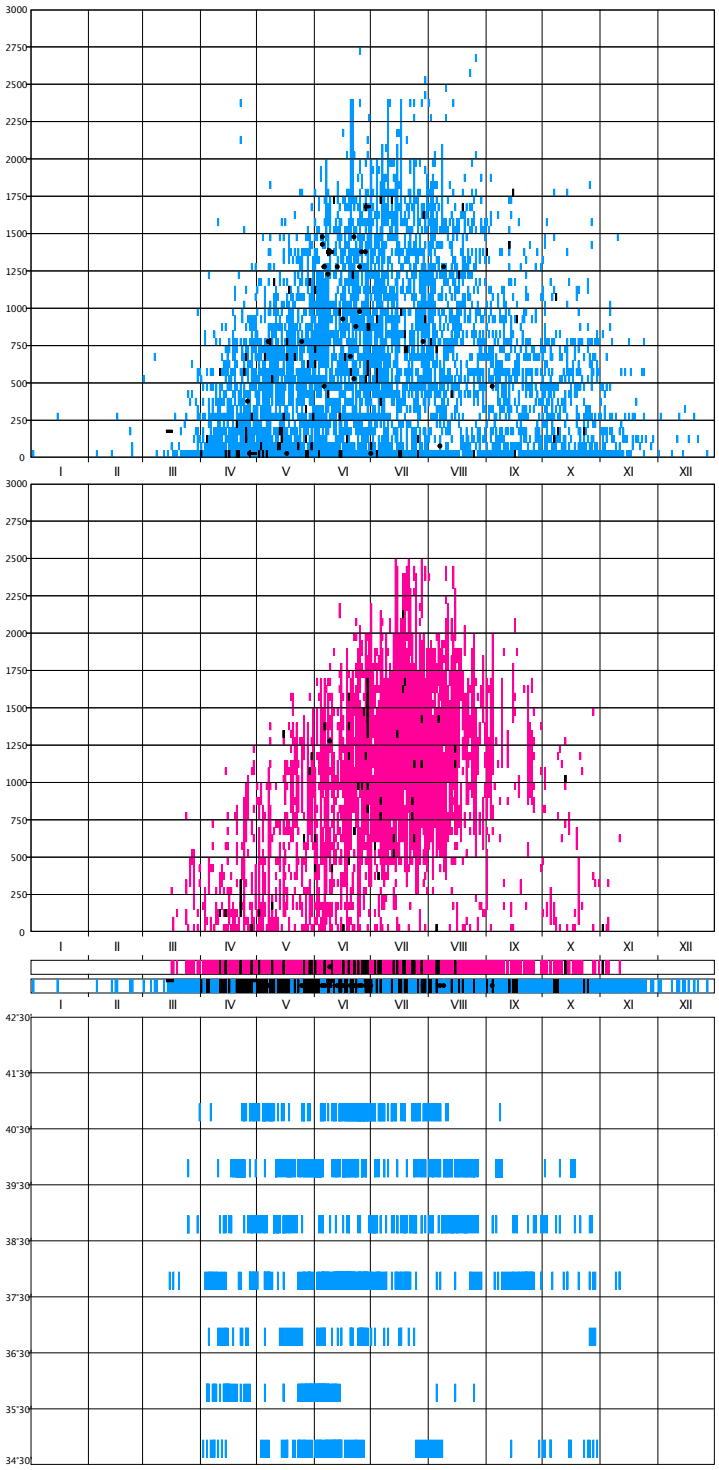






LYCAENIDAE *Polyommatus eros*

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1750
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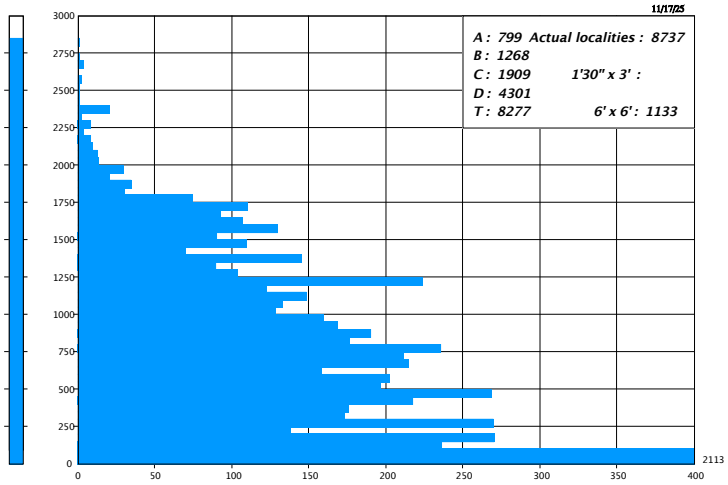
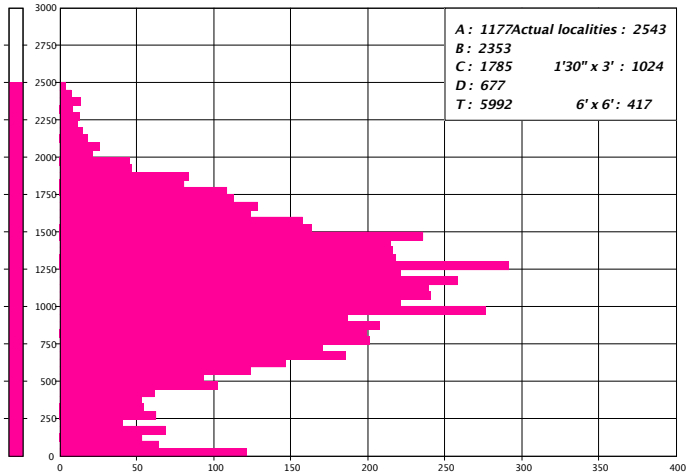
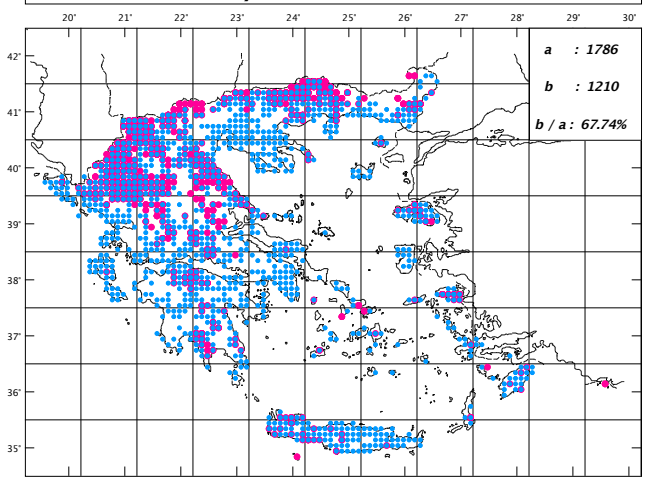
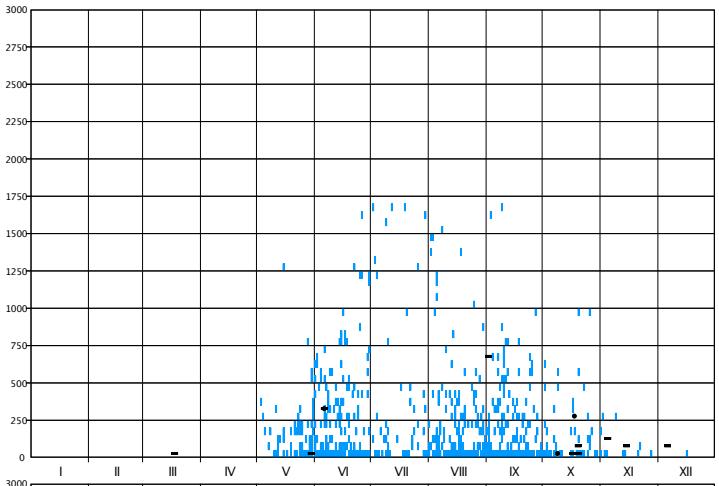
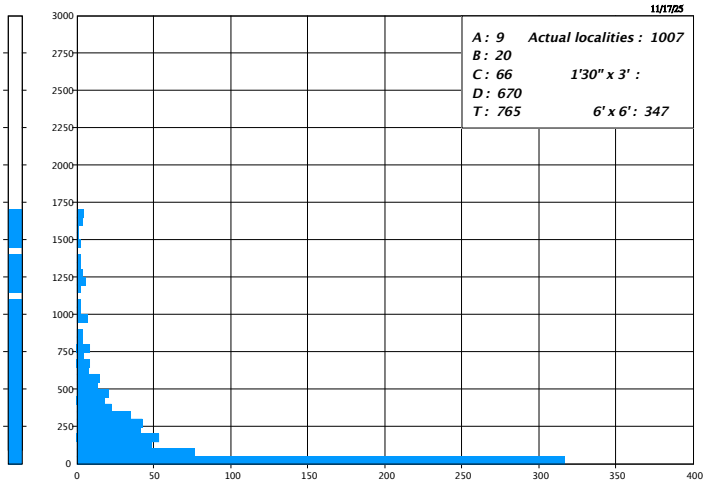


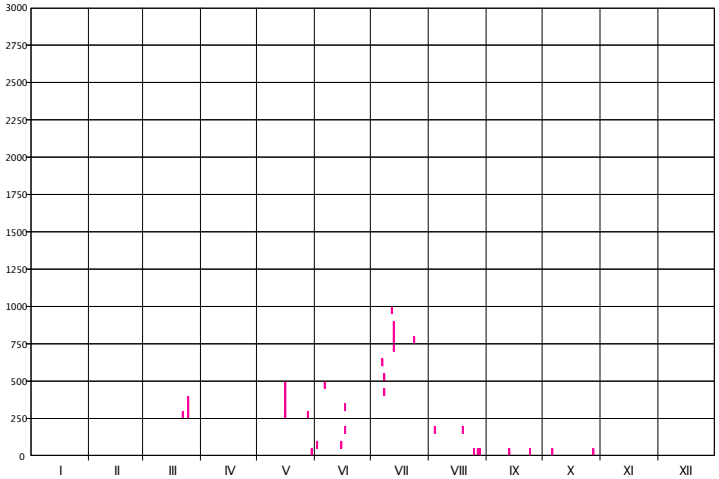


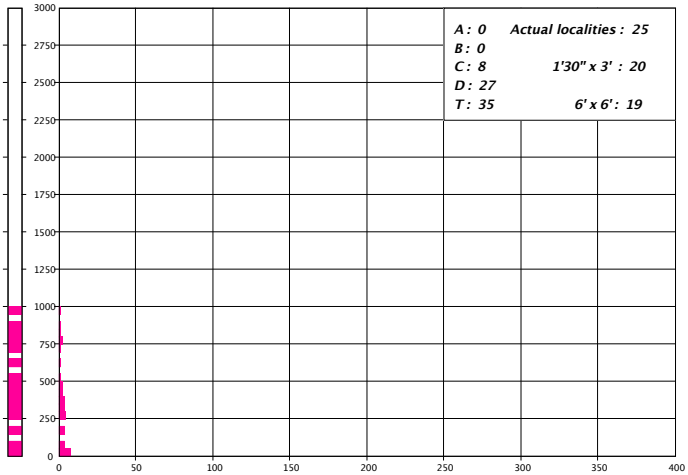
LYCAENIDAE *Polyommatus icarus*

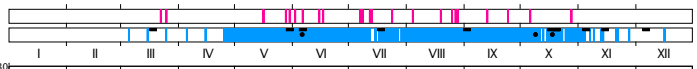




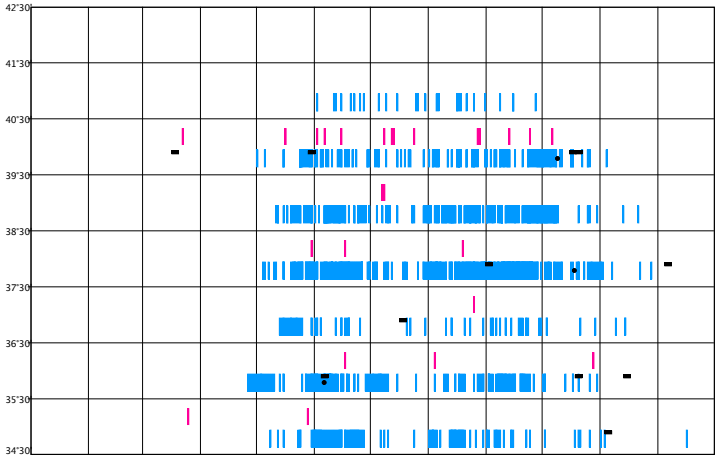


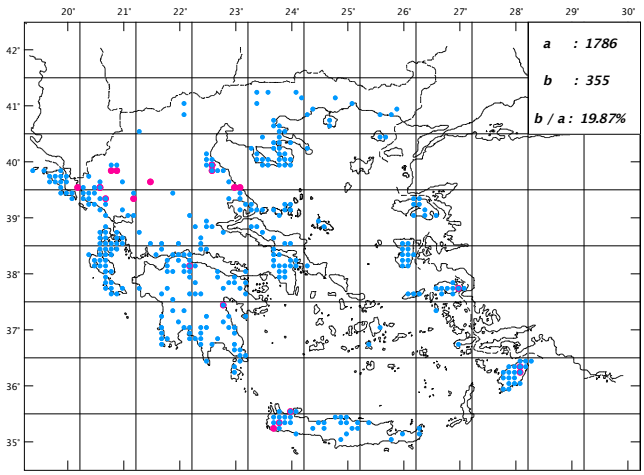


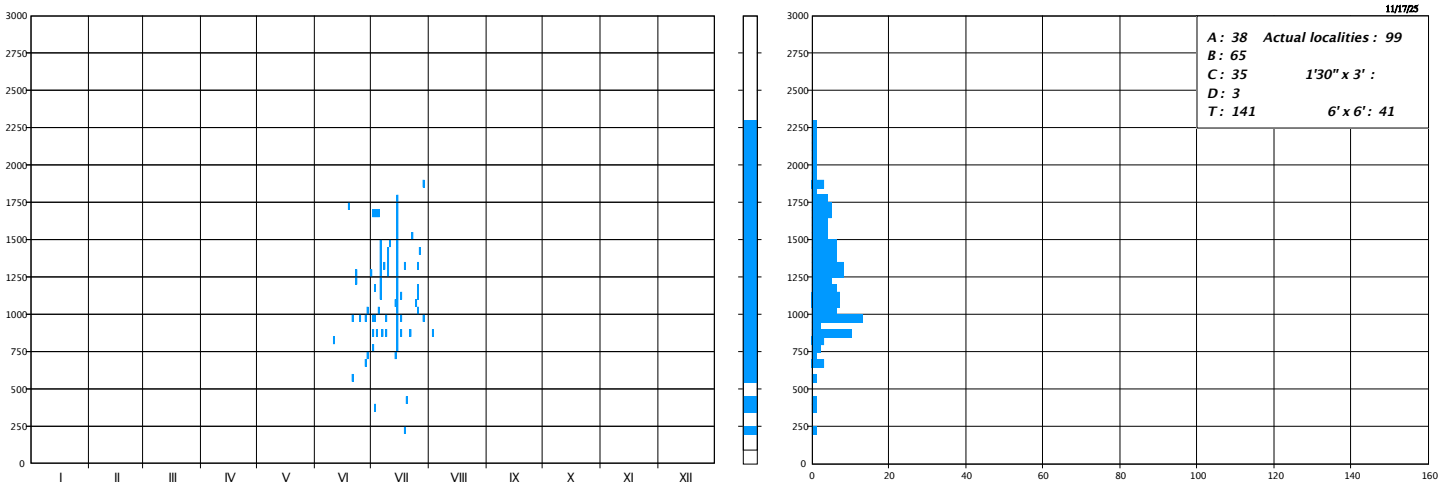


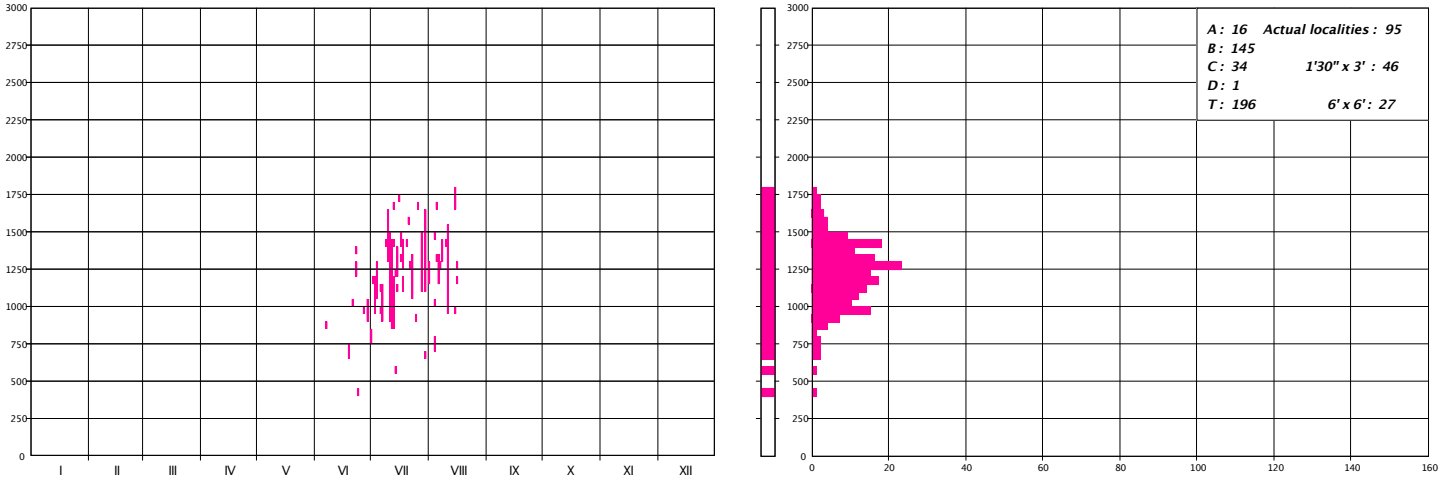


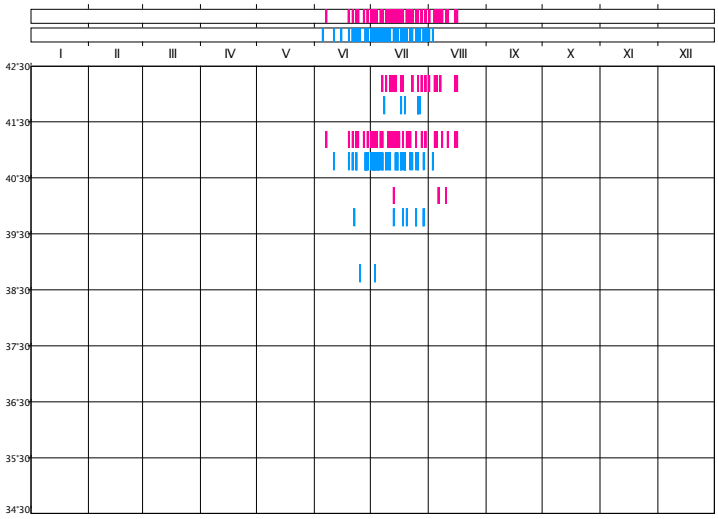
NYMPHALIDAE *Charaxes jasius*



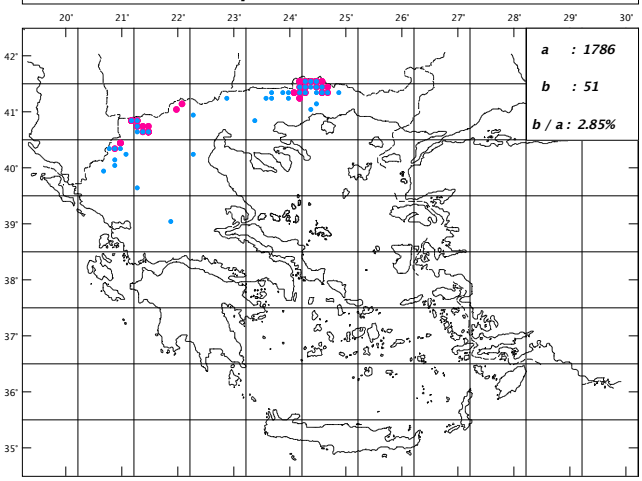


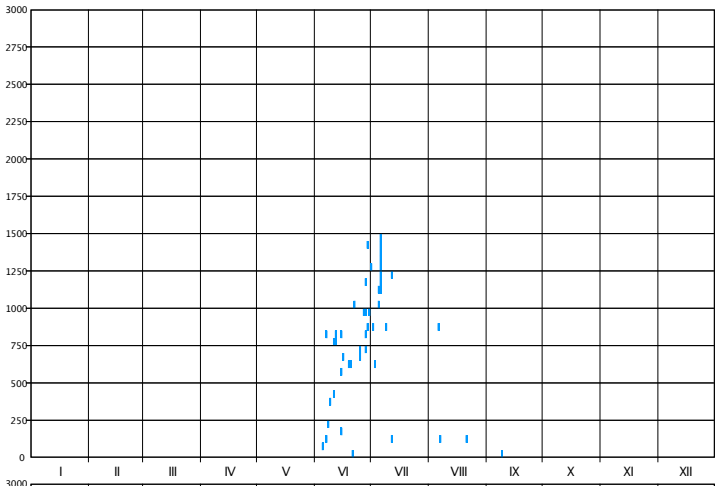


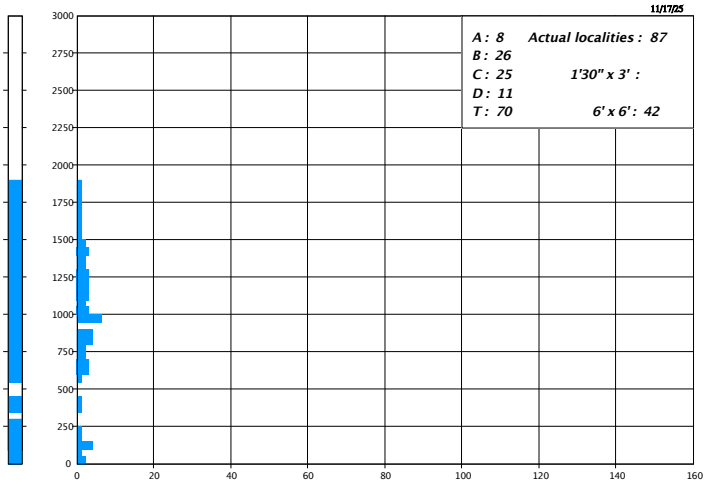


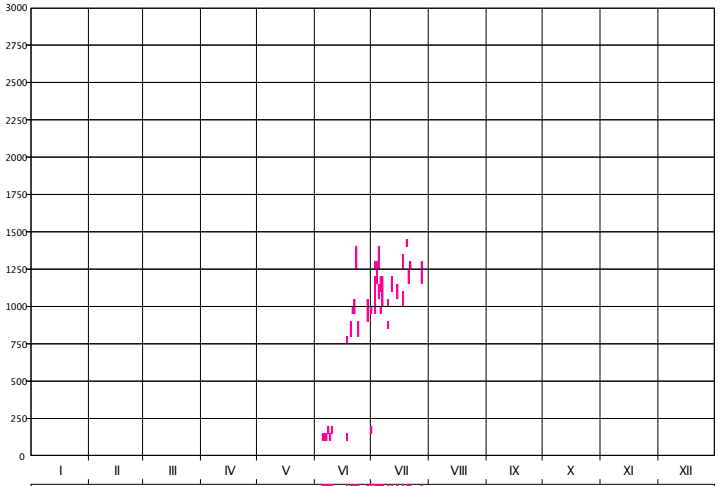


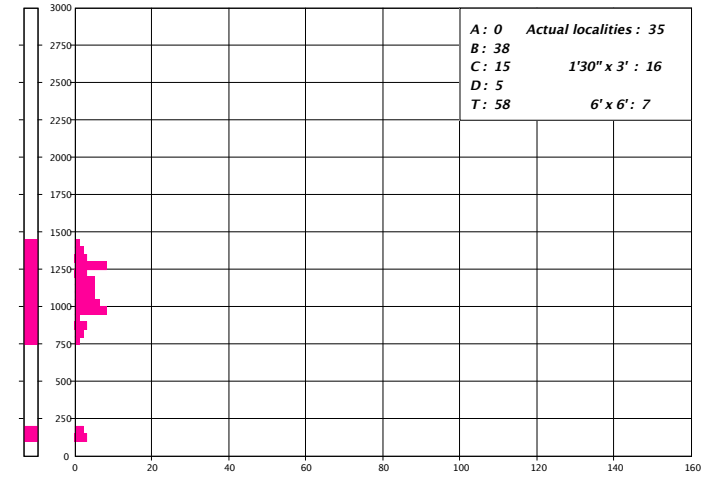
NYMPHALIDAE *Apatura iris*

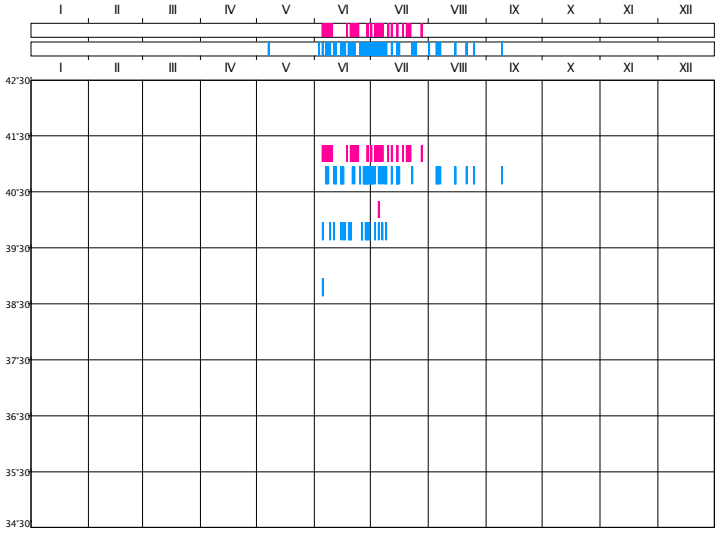




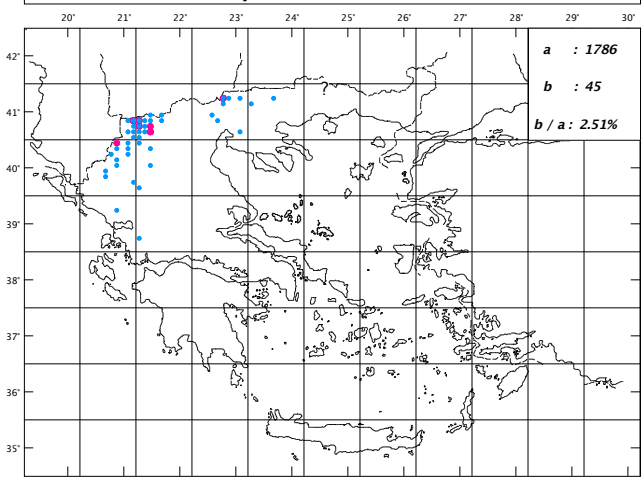


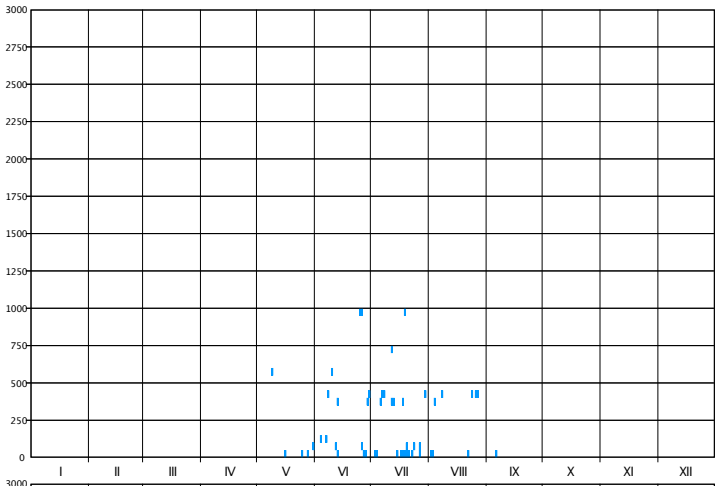


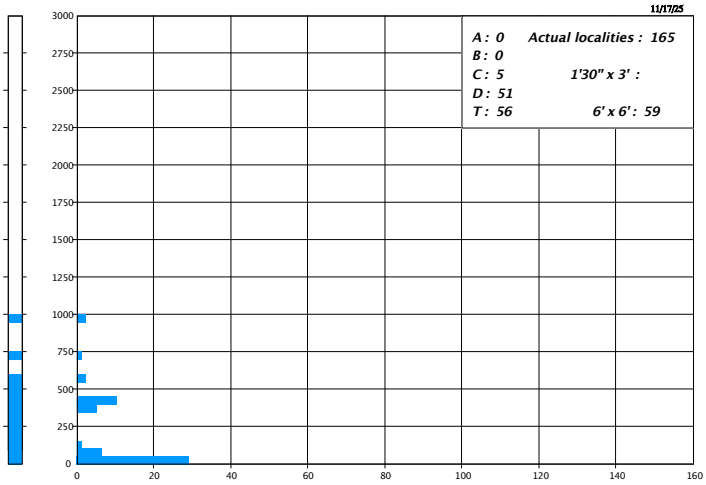


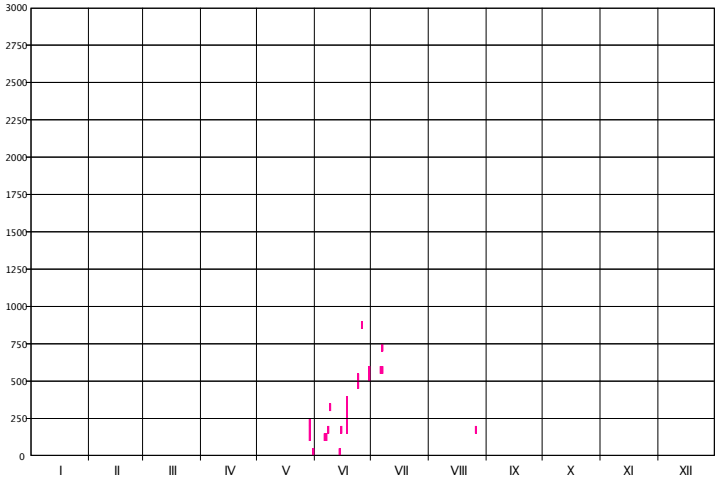


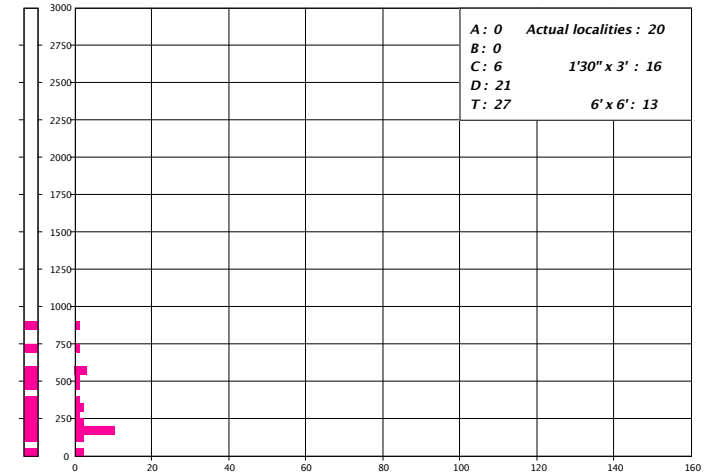
NYMPHALIDAE *Apatura ilia*

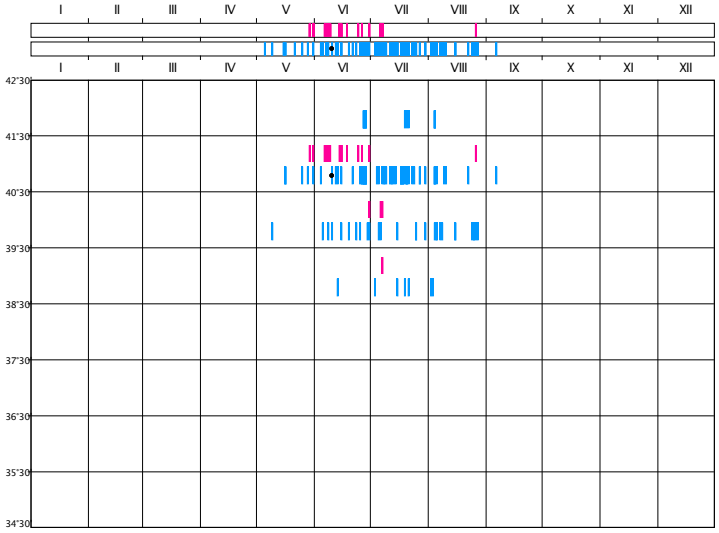




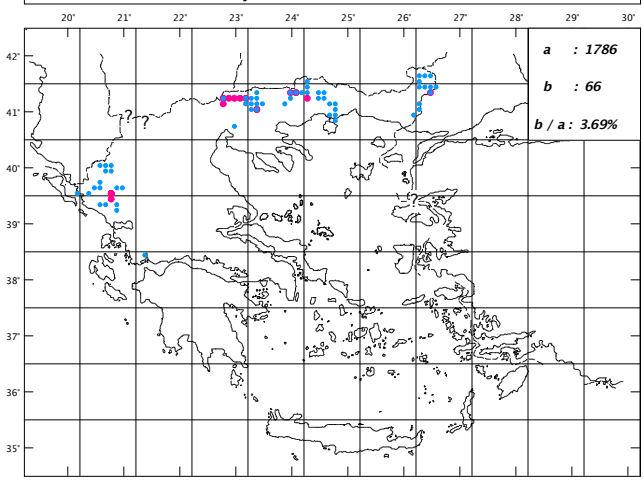


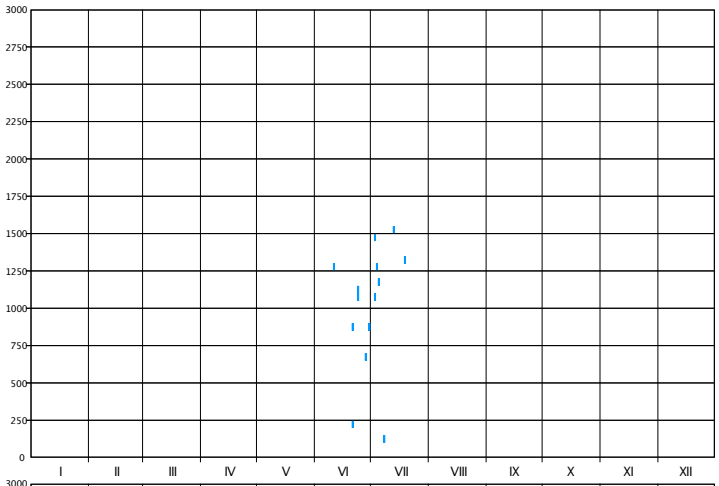


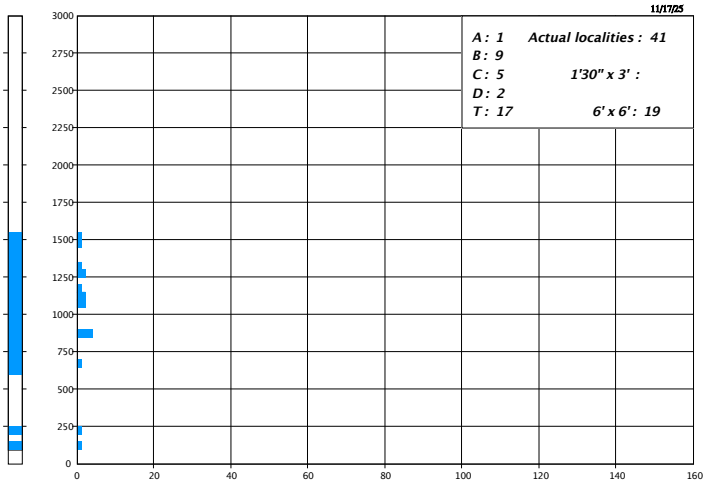


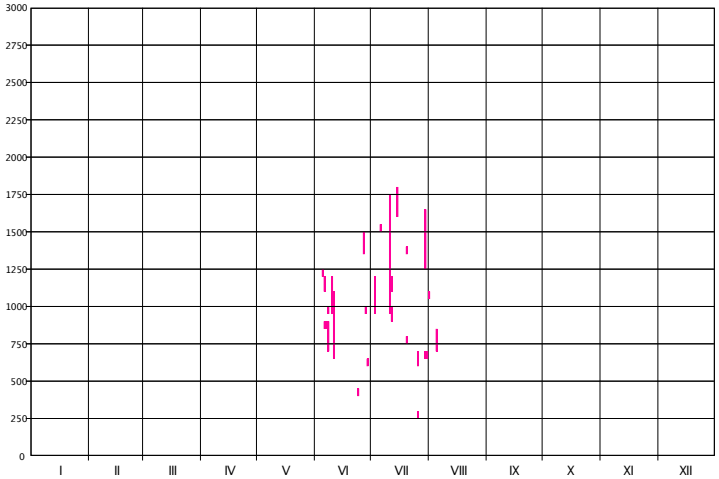


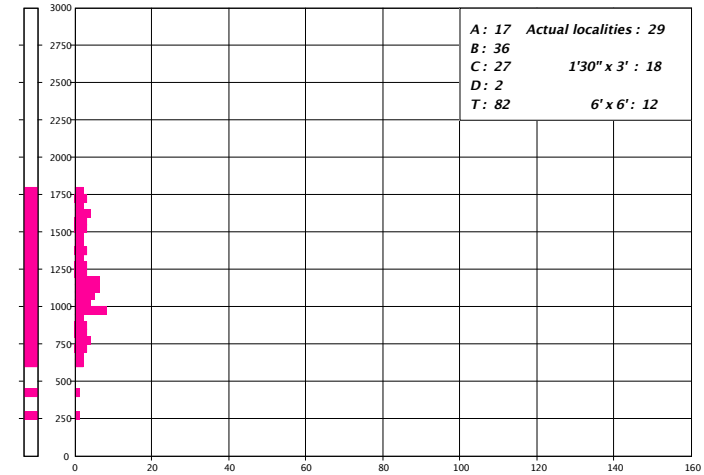
NYMPHALIDAE *Apatura metis*

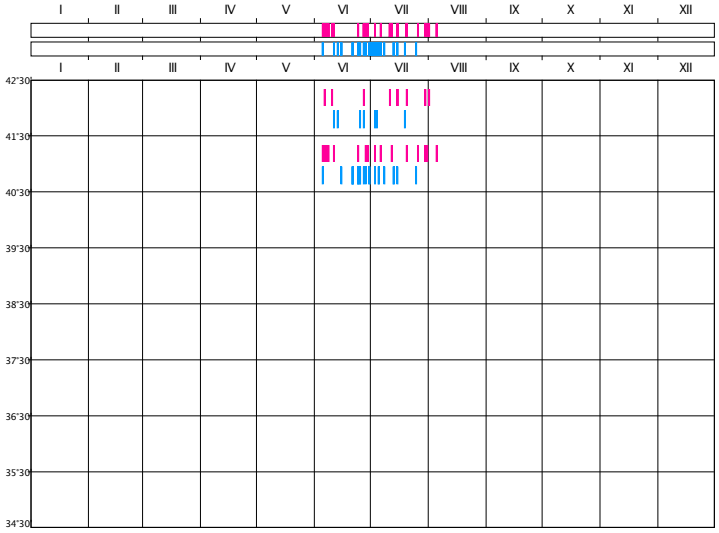




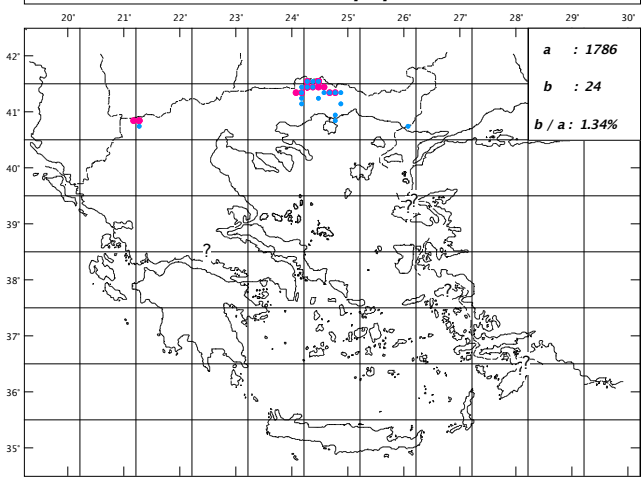


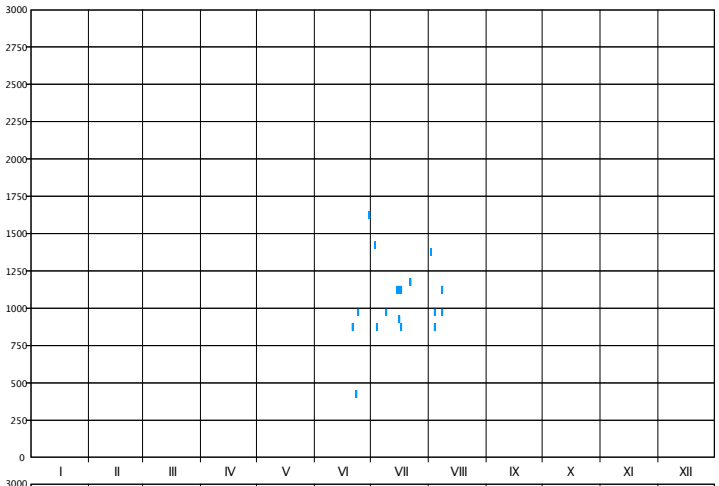


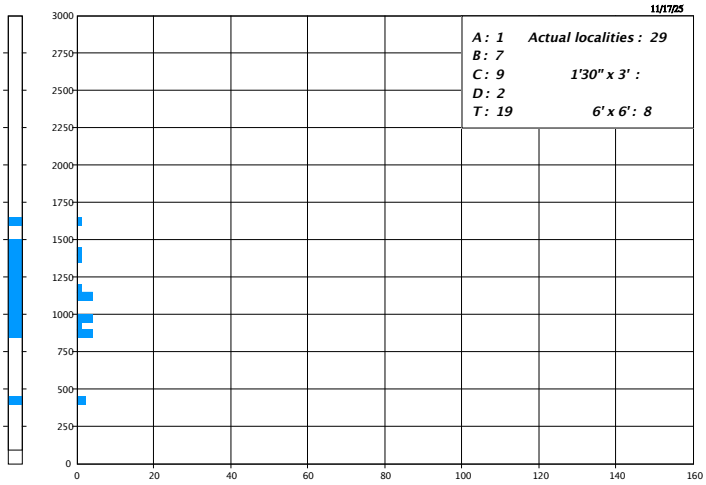


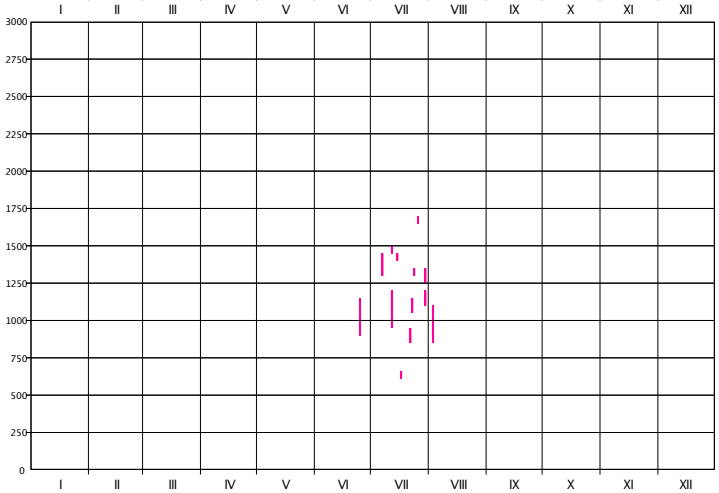


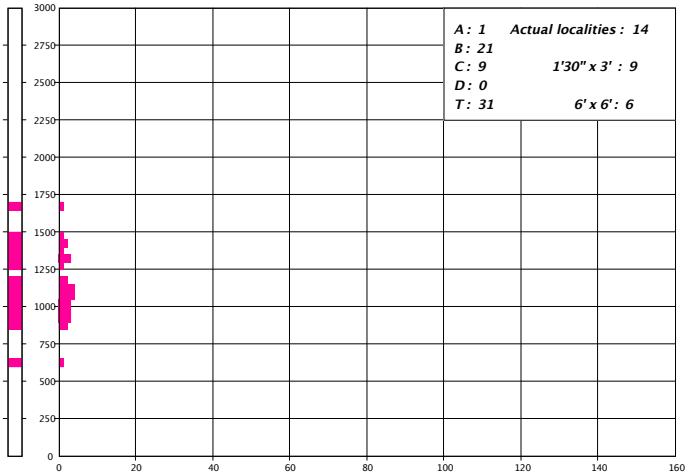
NYMPHALIDAE *Limenitis populi*

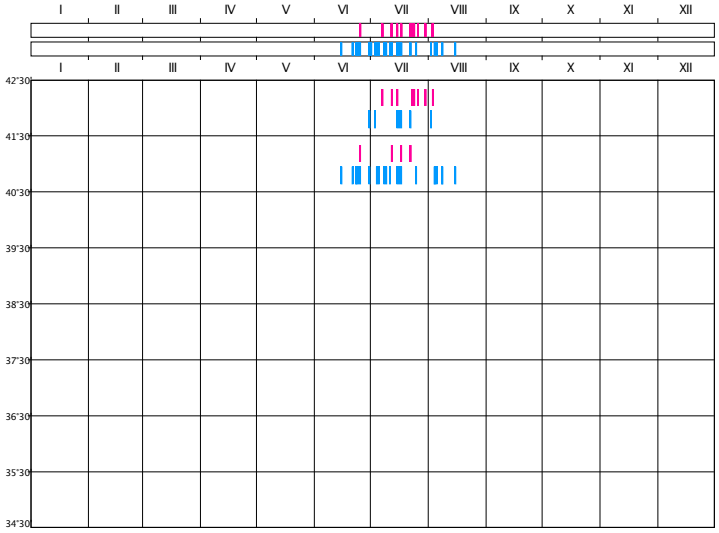




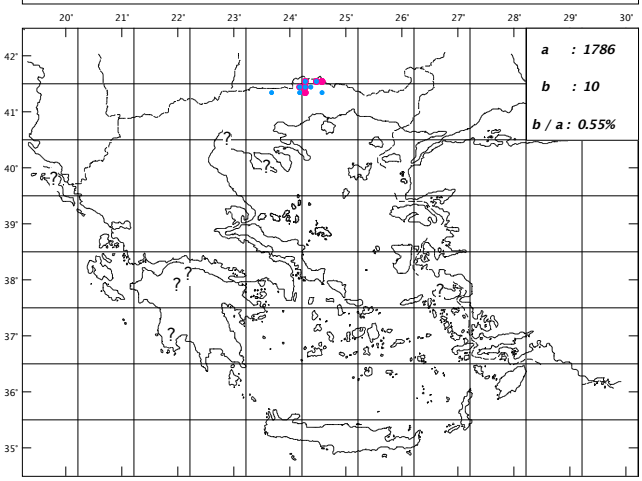


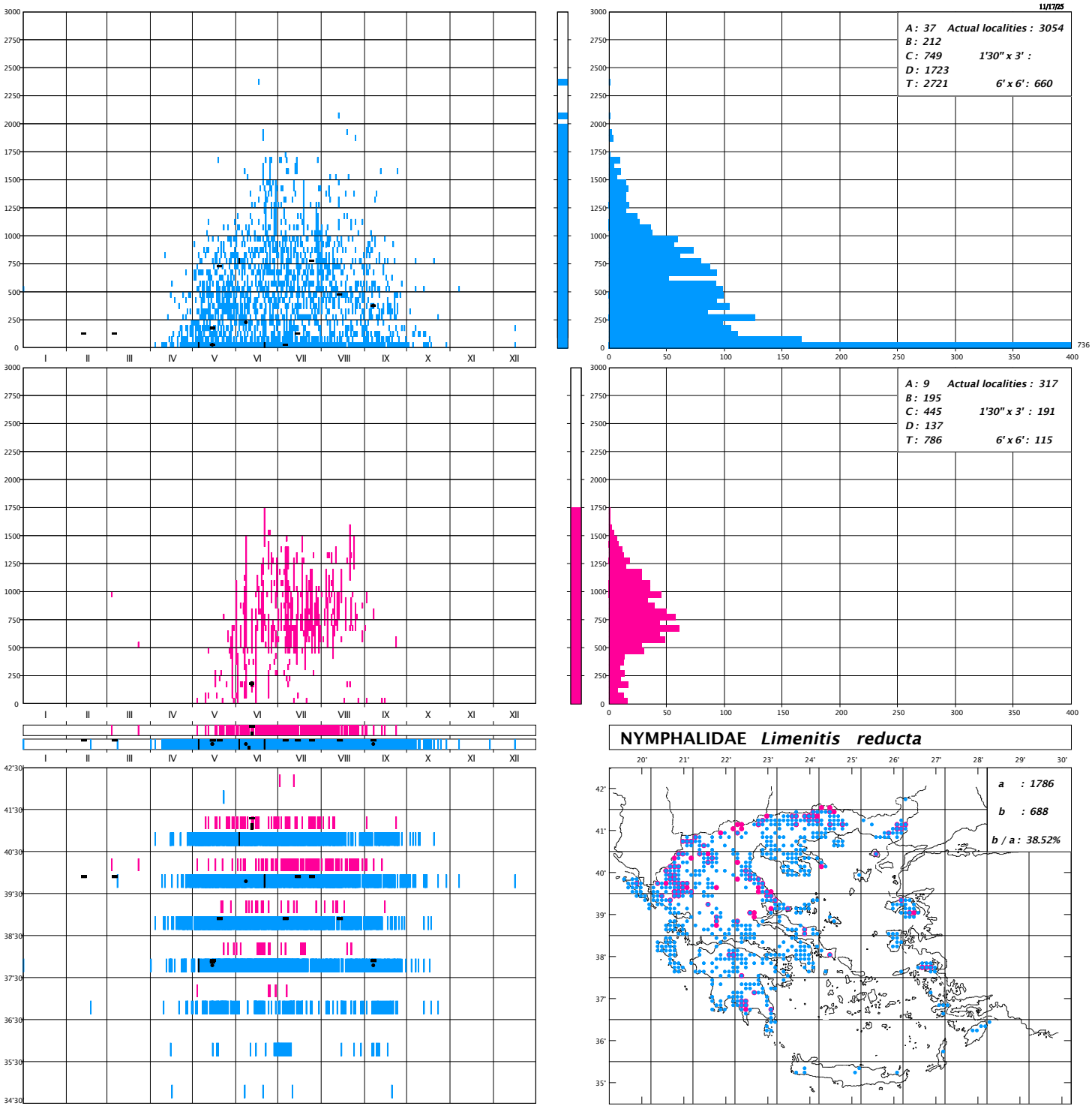


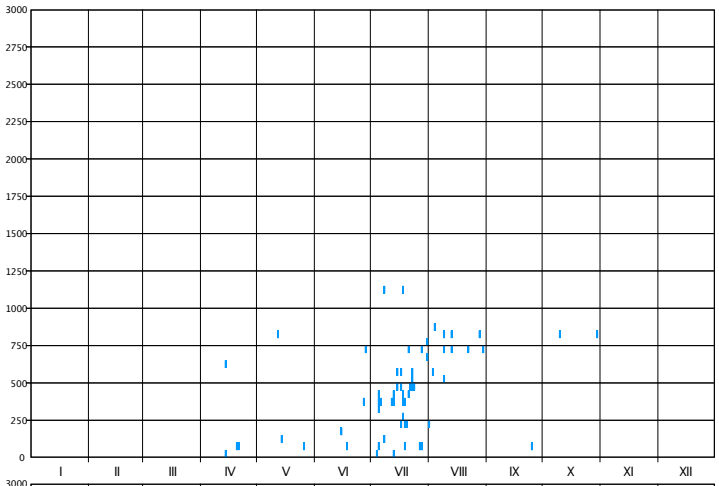


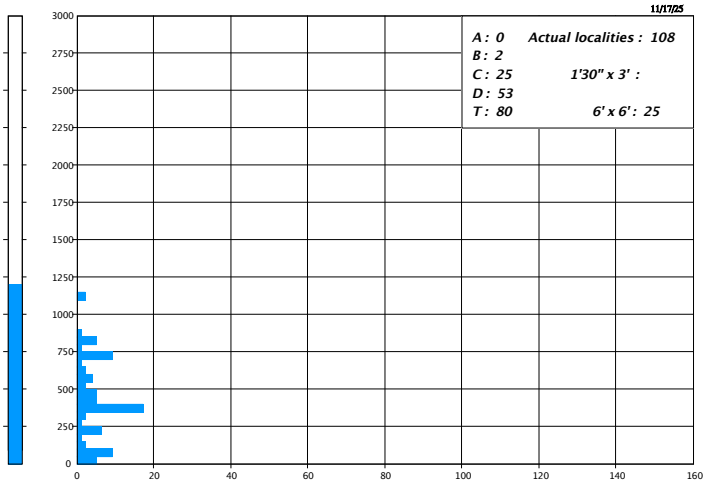


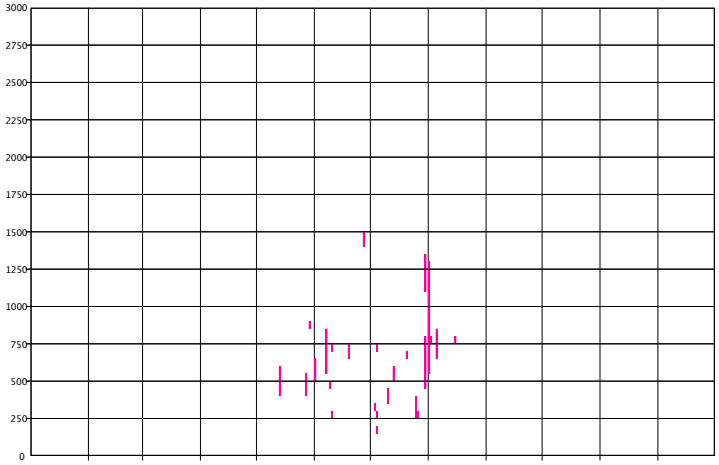
NYMPHALIDAE *Limenitis camilla*

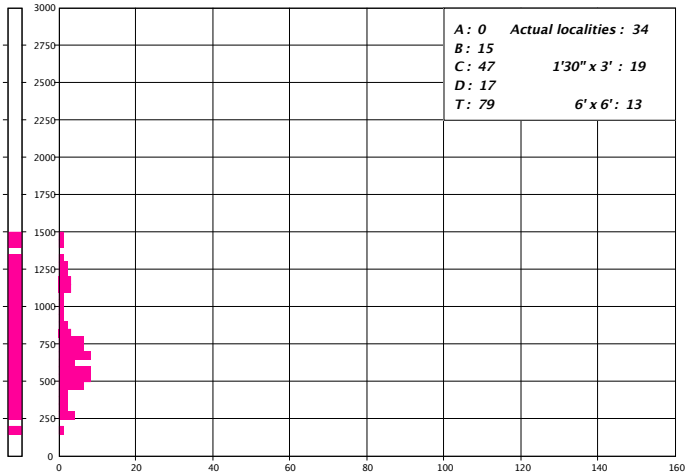


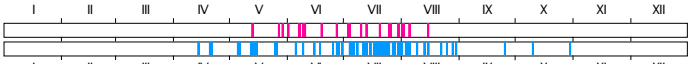

11/17/25
A : 37 Actual localities : 3054
B : 212
C : 749 1'30" x 3' :
D : 1723
T : 2721 6' x 6' : 660
736
A : 9 Actual localities : 317
B : 195
C : 445 1'30" x 3' : 191
D : 137
T : 786 6' x 6' : 115
NYMPHALIDAE Limenitis reducta
a : 1786
b : 688
b / a : 38.52%



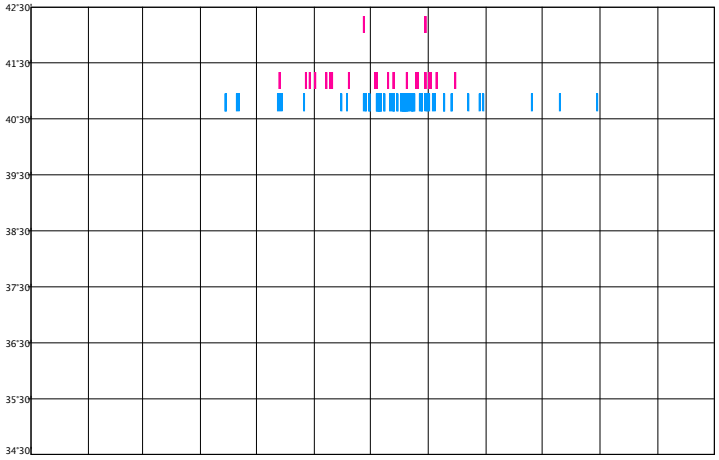


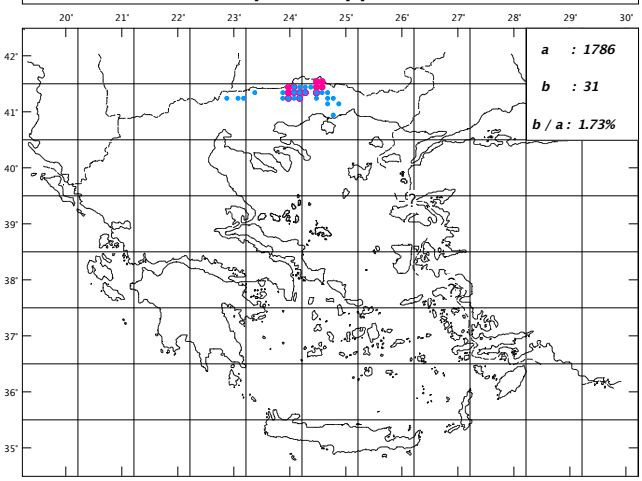


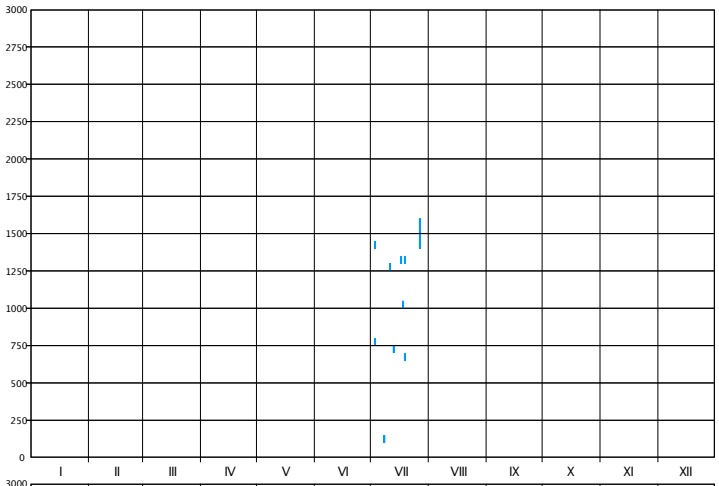


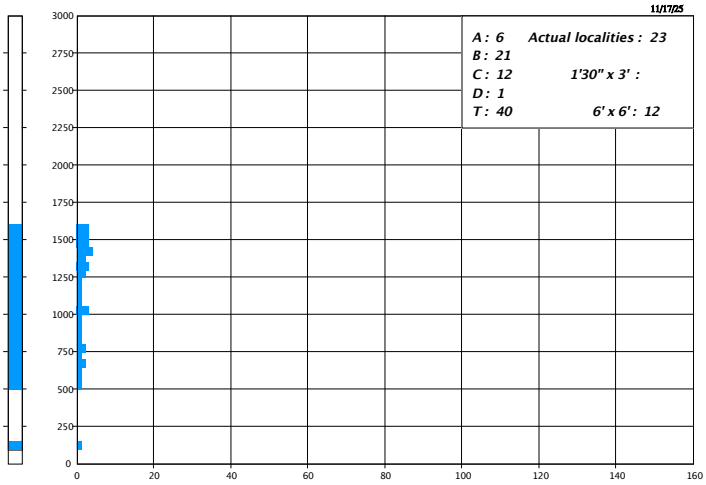


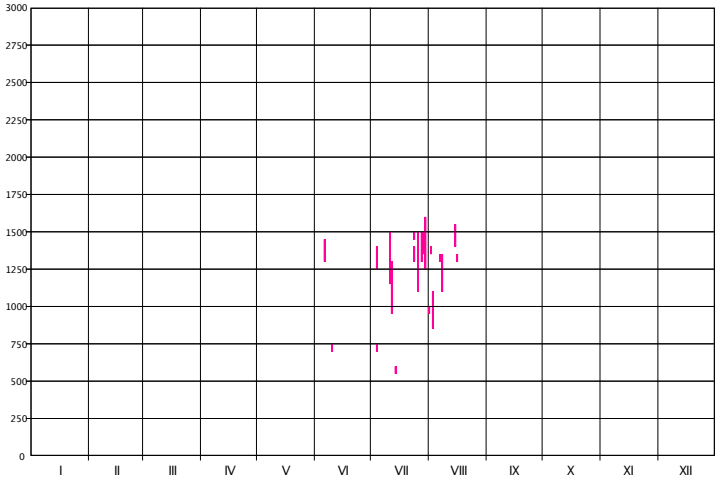
NYMPHALIDAE *Neptis sappho*

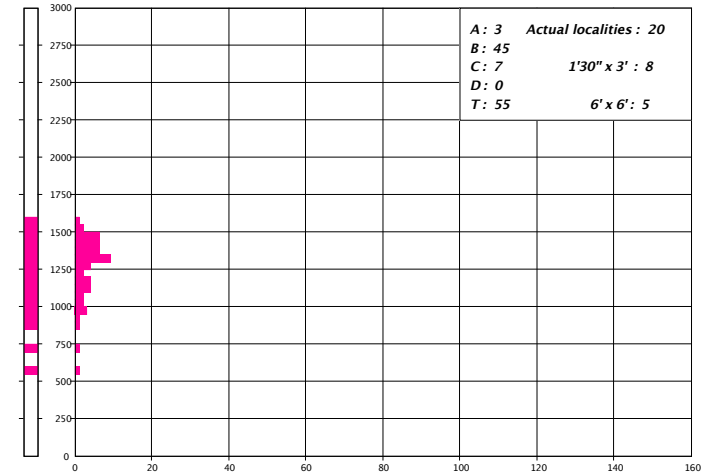


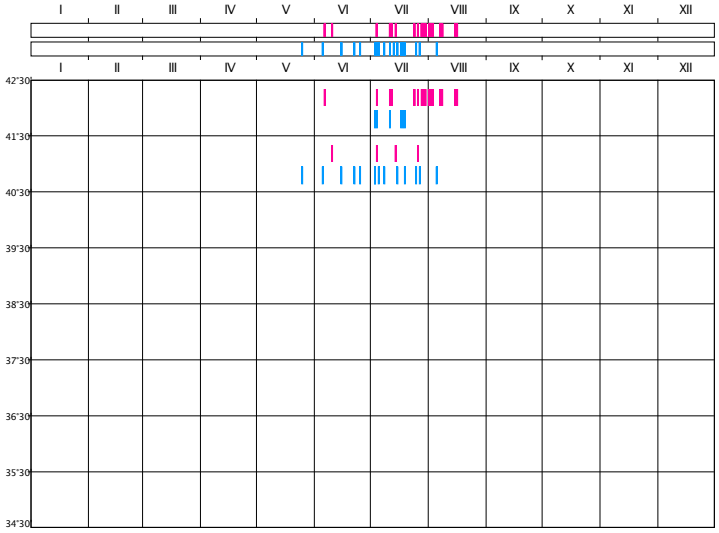




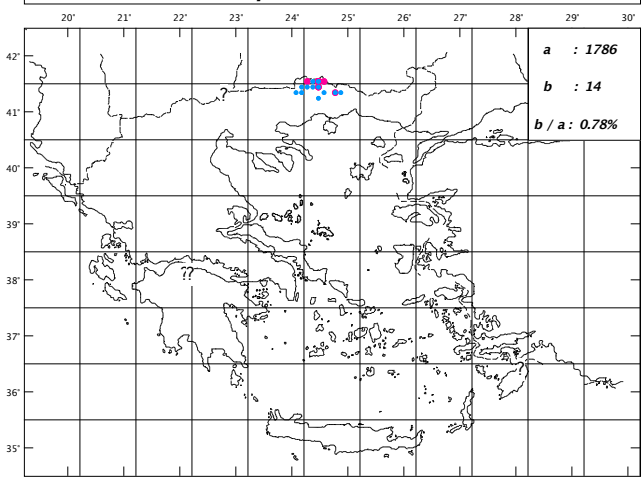


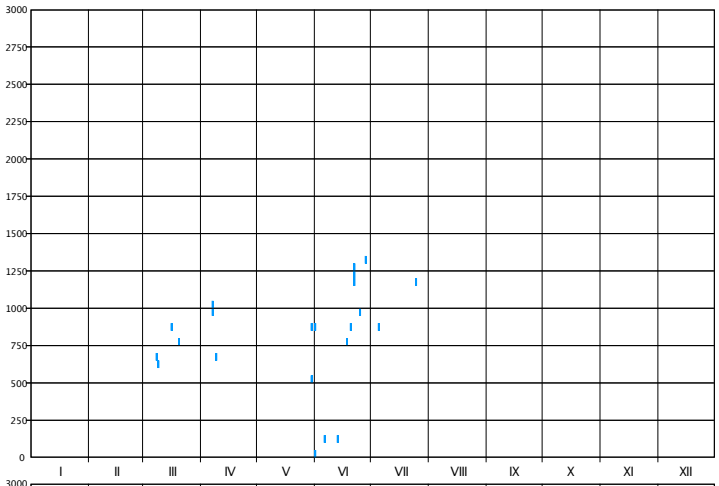


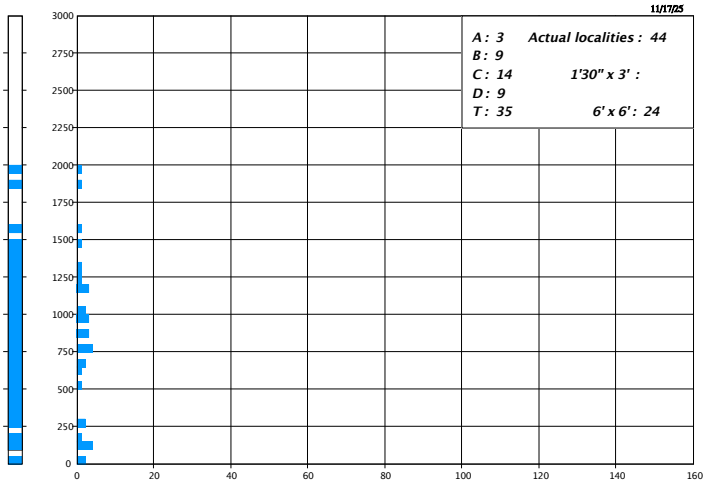


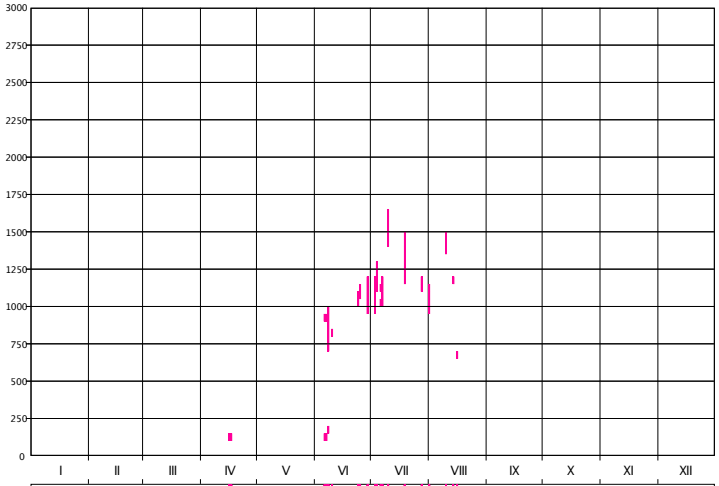


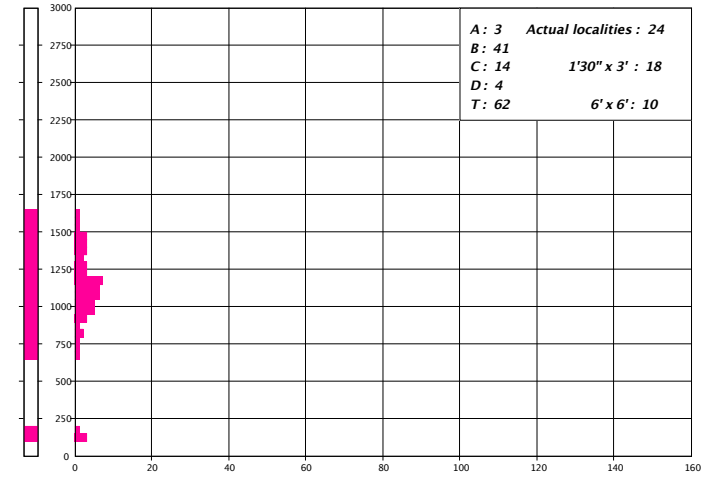
NYMPHALIDAE *Neptis rivularis*

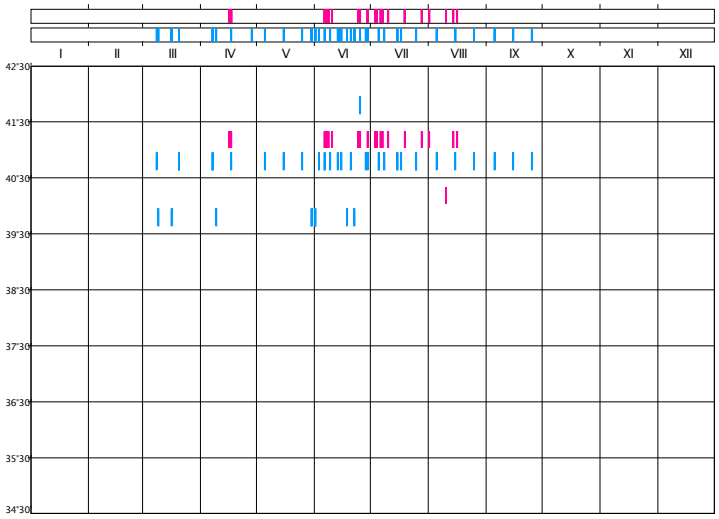




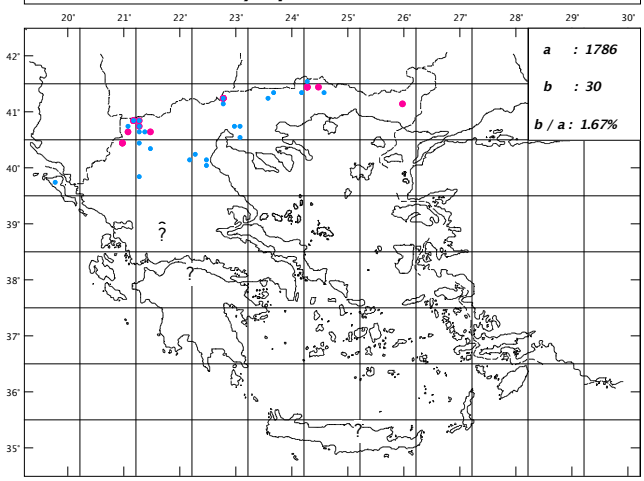


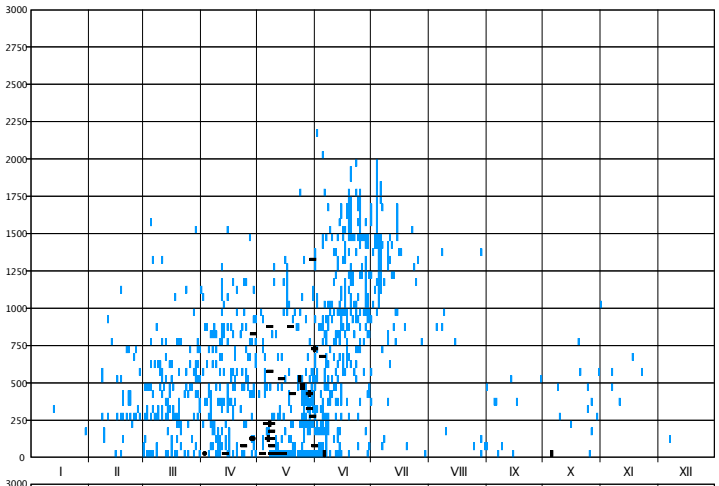


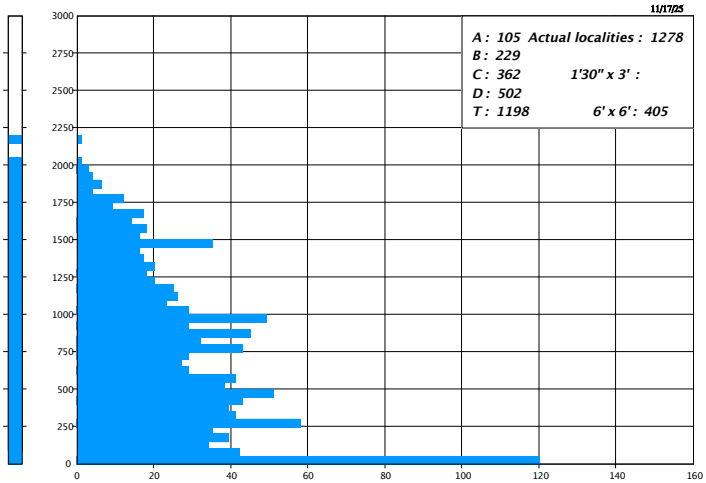


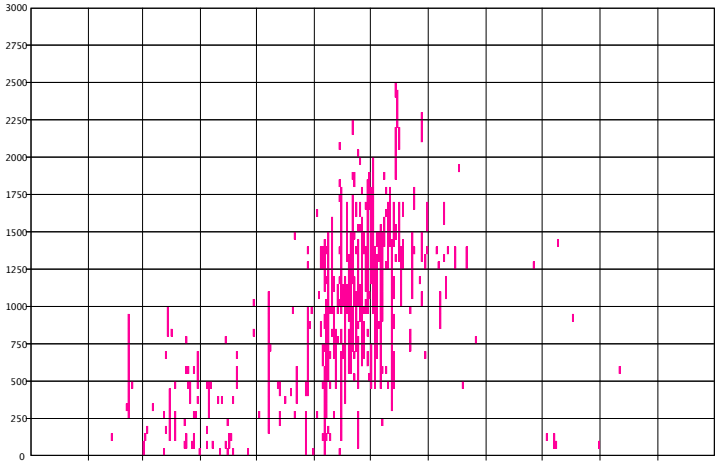


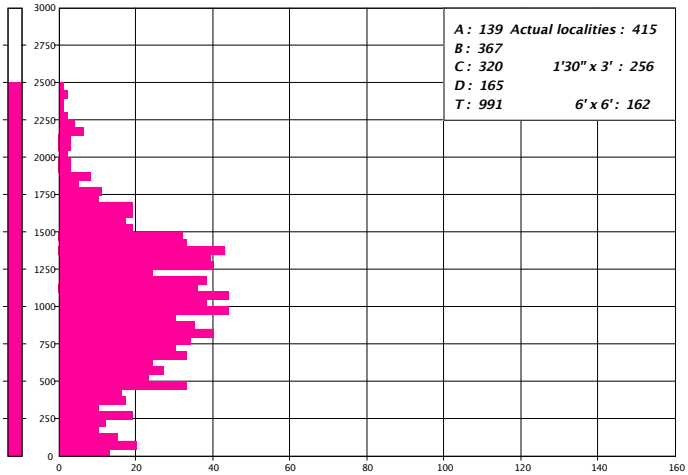
NYMPHALIDAE *Nymphalis xanthomelas*



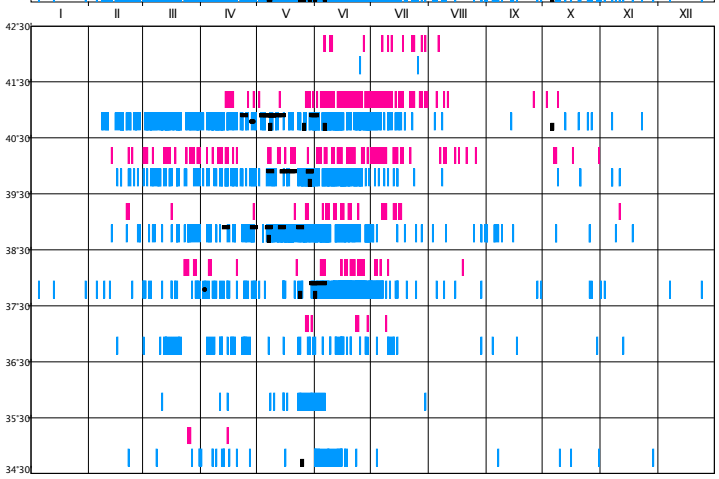


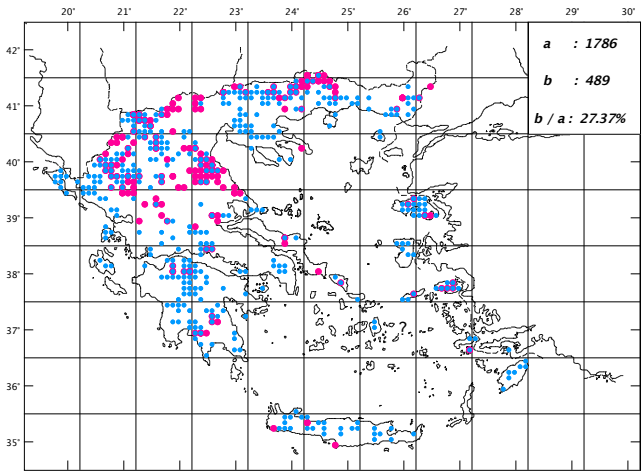


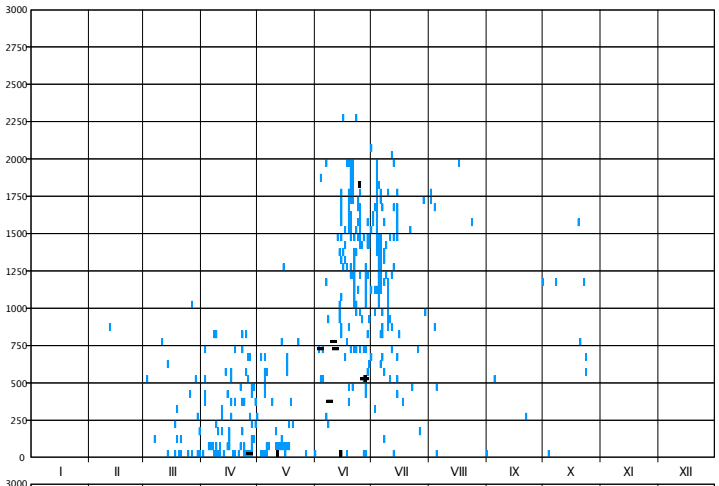


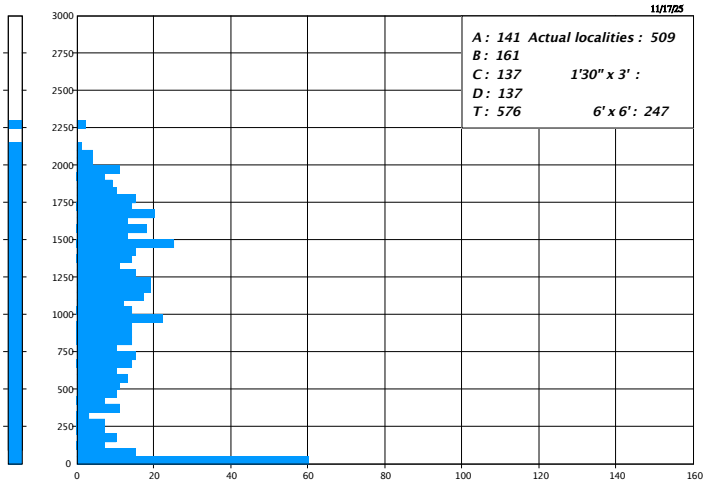


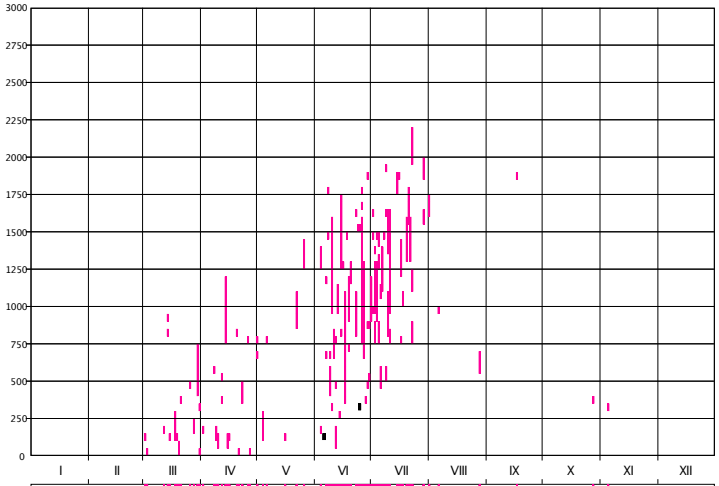
NYMPHALIDAE *Nymphalis polychloros*

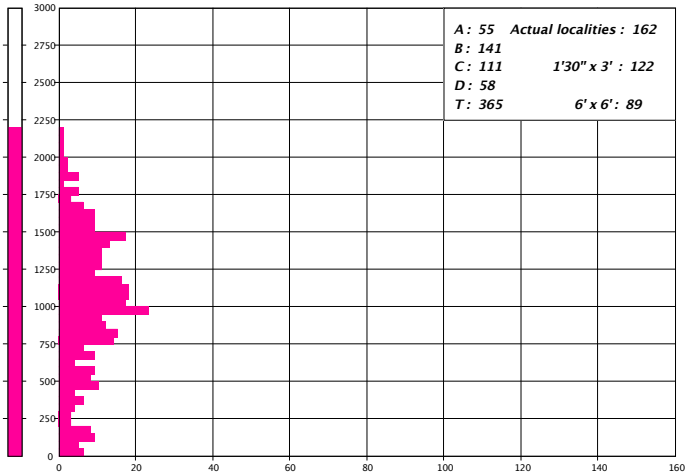


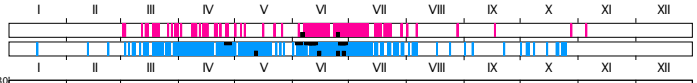


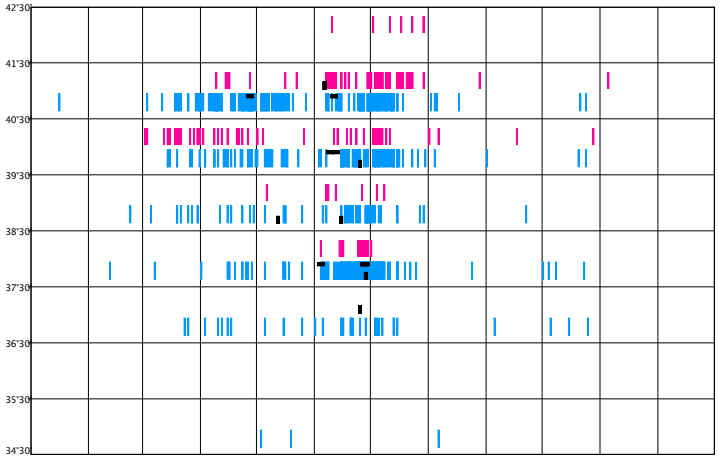




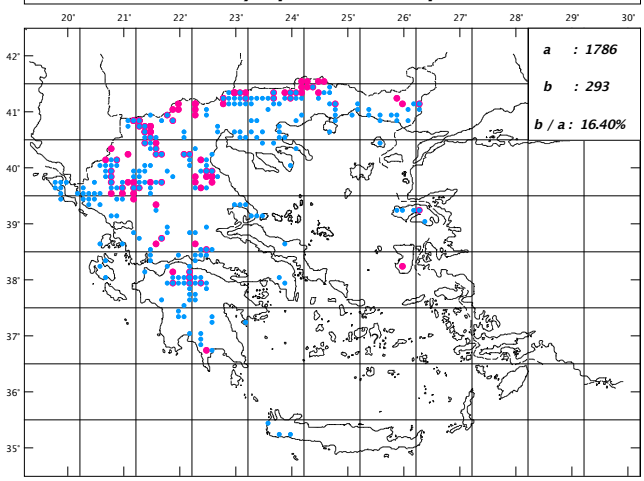


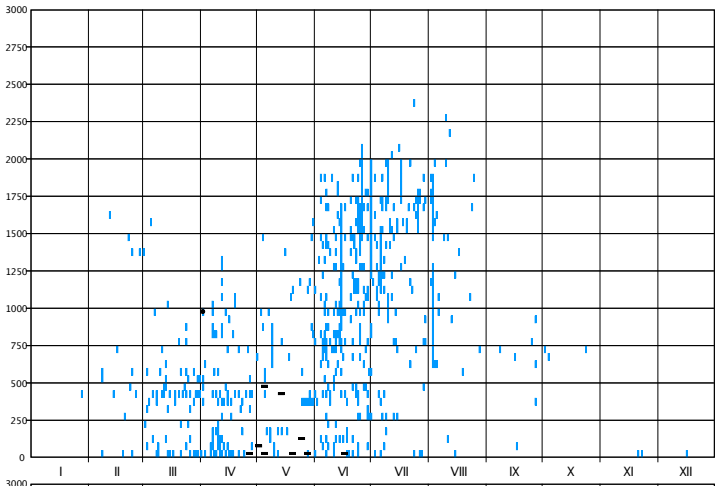


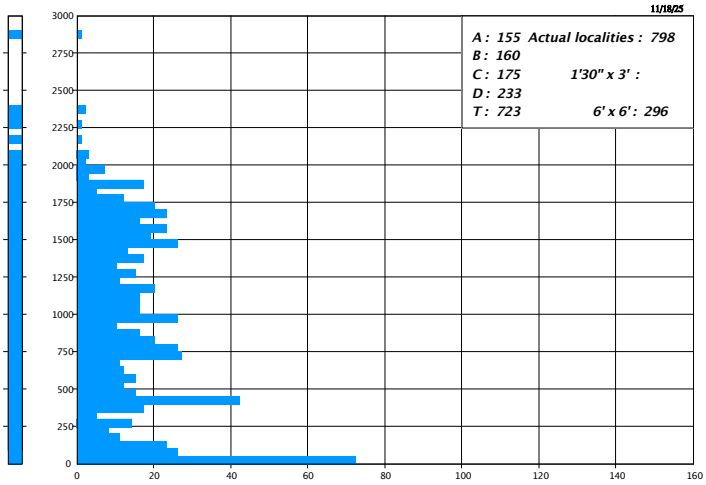


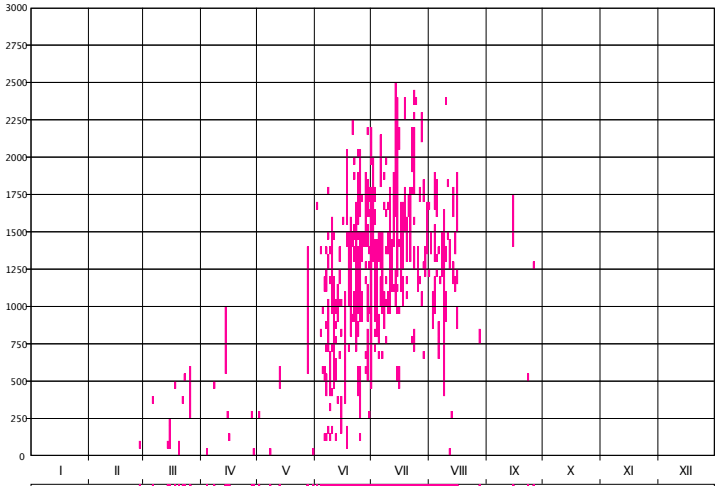


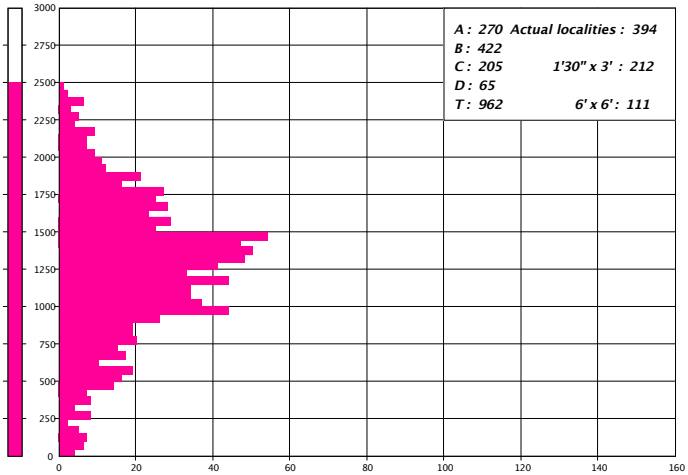
NYMPHALIDAE *Nymphalis antiopa*

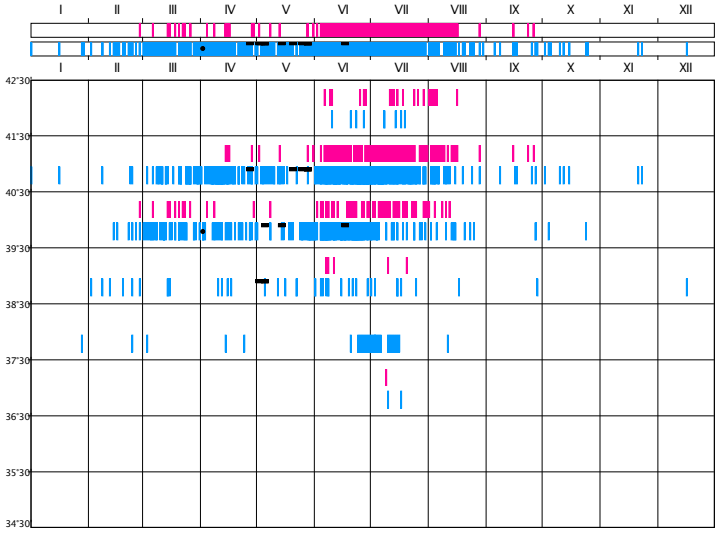




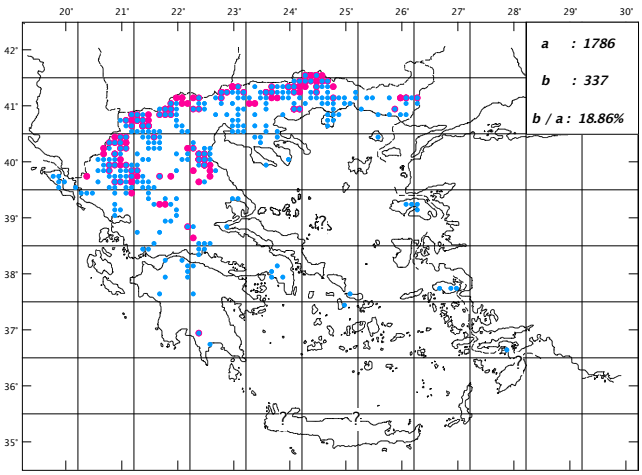


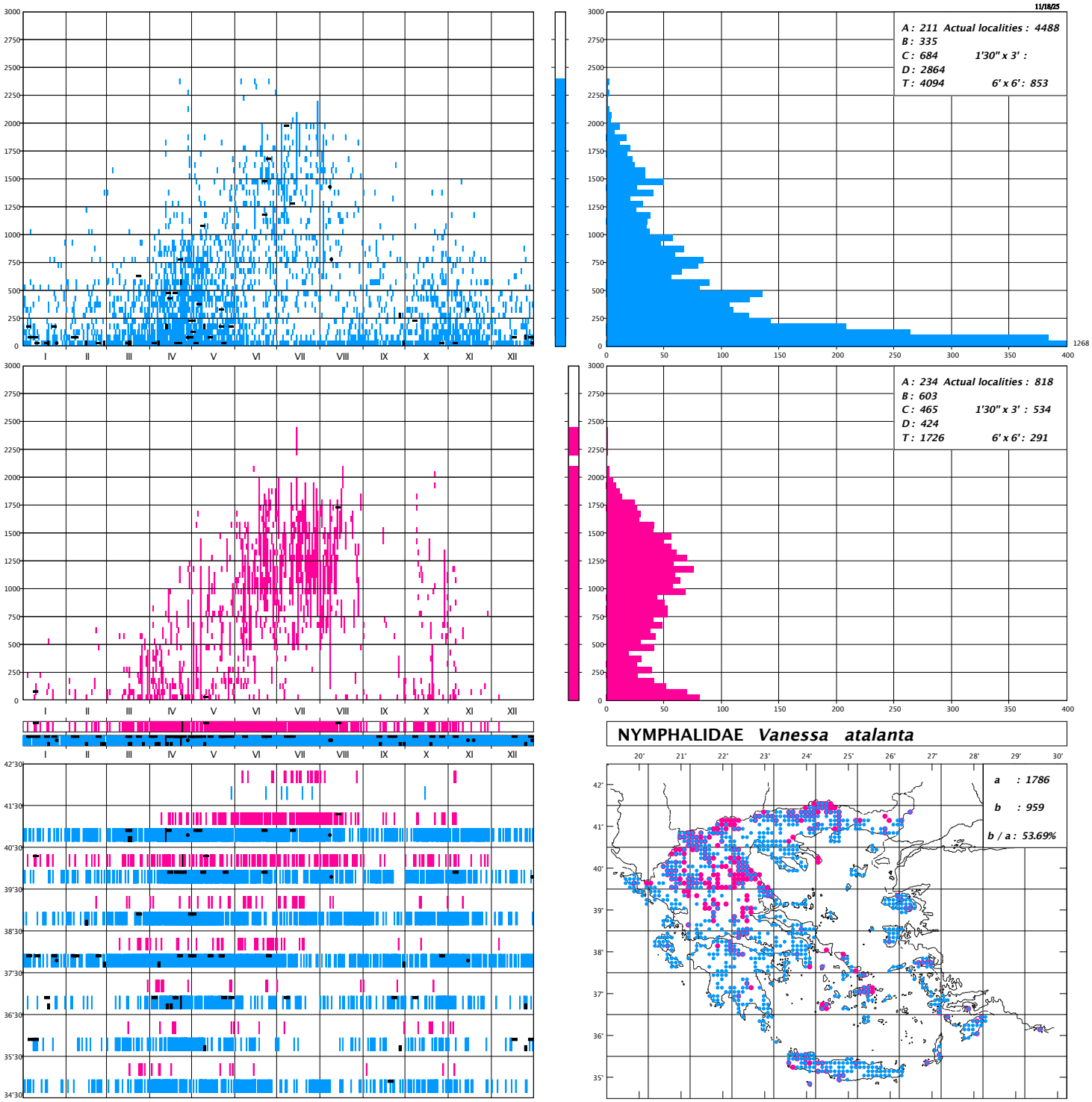


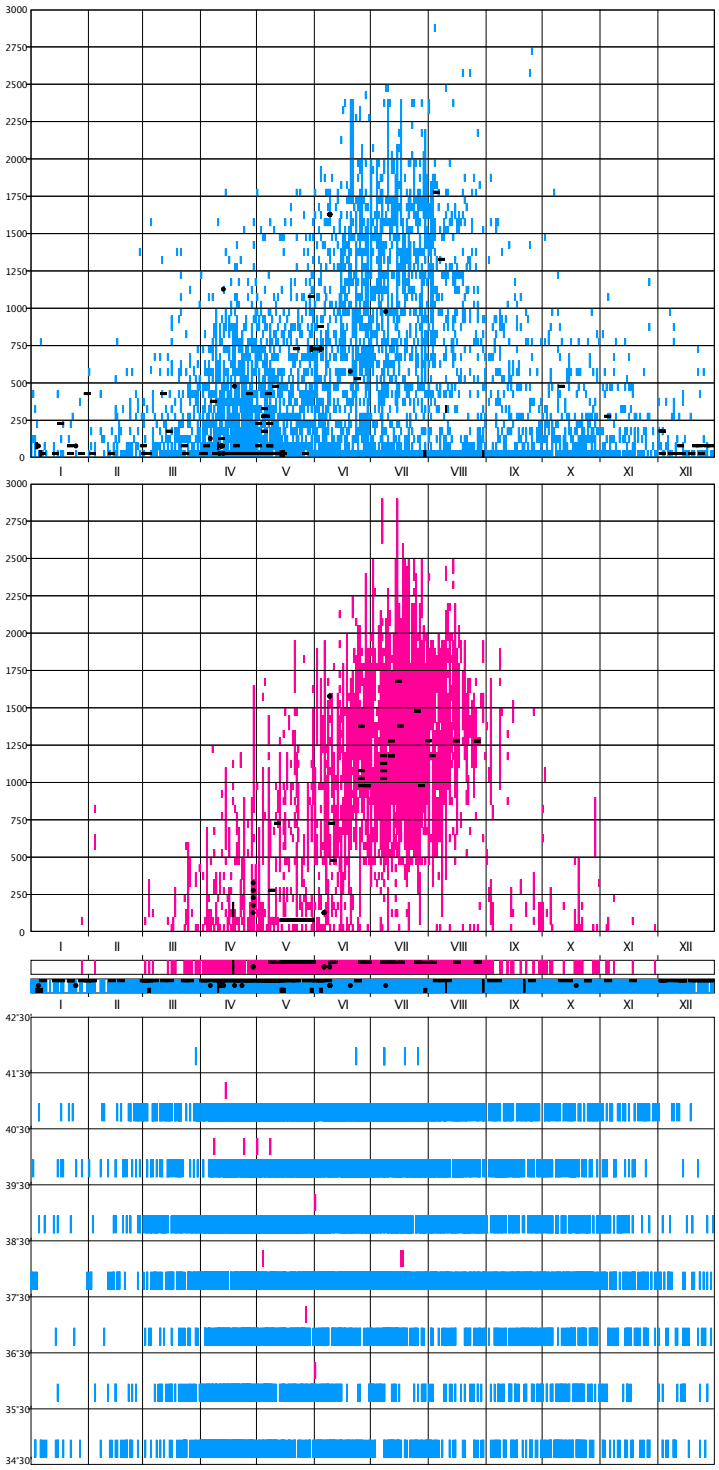




NYMPHALIDAE *Aglais io*




11/18/25
A : 211 Actual localities : 4488
B : 335
C : 684 1'30" x 3' :
D : 2864
T : 4094 6' x 6' : 853
1268
A : 234 Actual localities : 818
B : 603
C : 465 1'30" x 3' : 534
D : 424
T : 1726 6' x 6' : 291
NYMPHALIDAE Vanessa atalanta
a : 1786
b : 959
b / a : 53.69%


3000
2750
2500
2250
2000
1750
1500
1250
1000
750
500
250
0
I II III IV V VI VII VIII IX X XI XII
42'30
41'30
40'30
39'30
38'30
37'30
36'30
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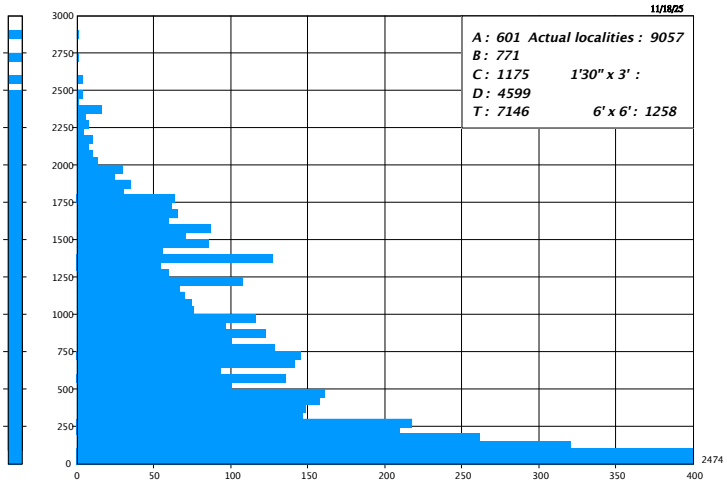
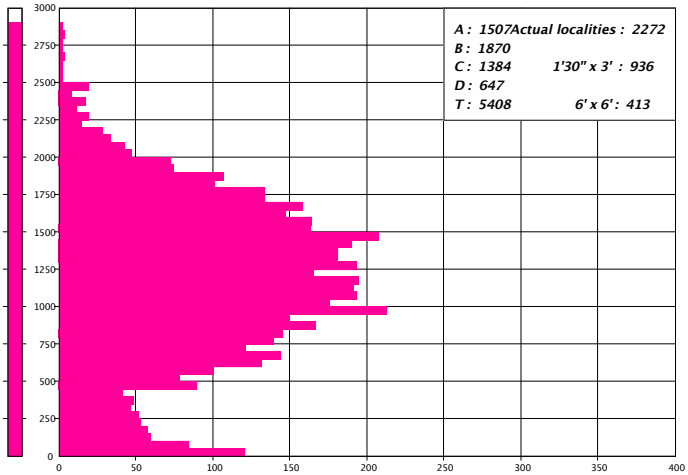
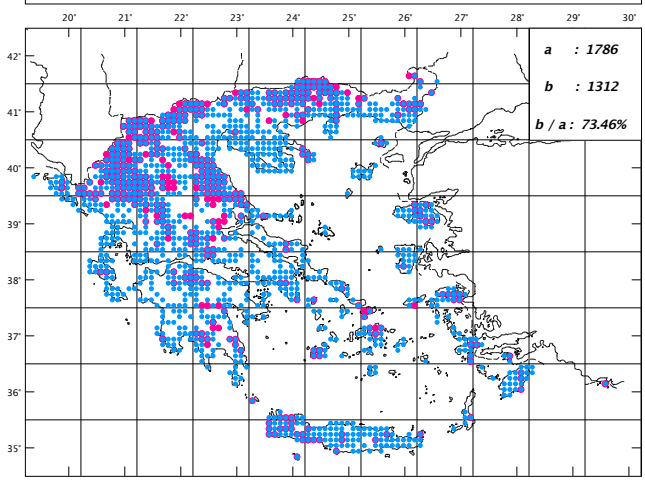
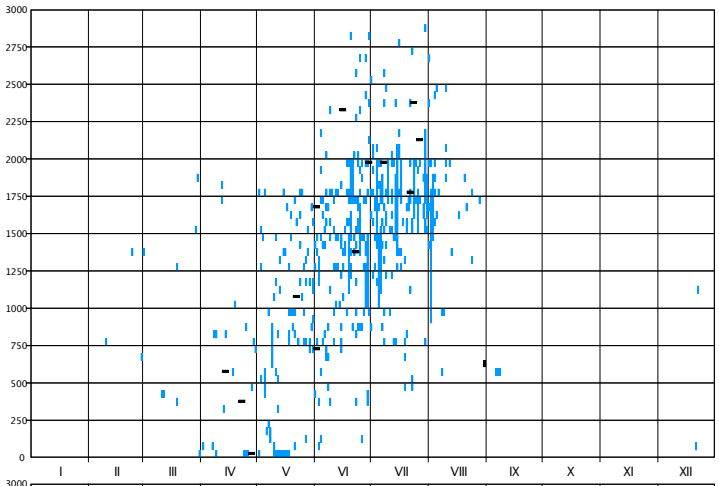
34'30

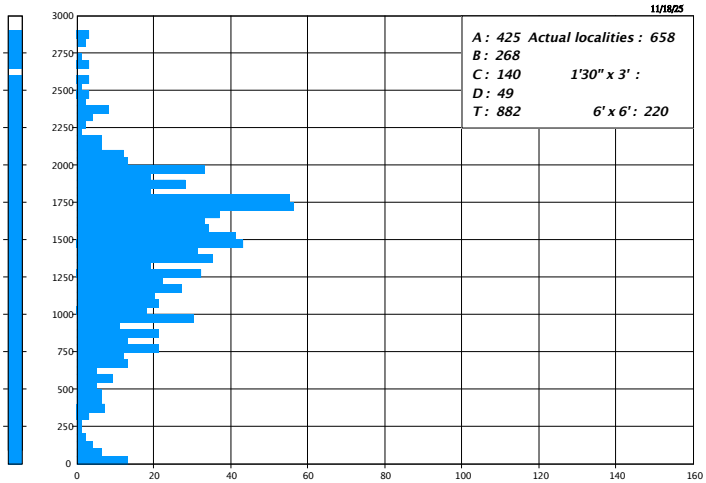


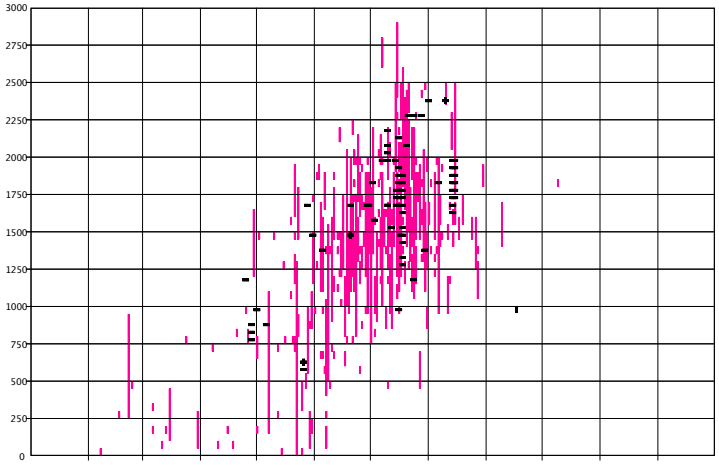


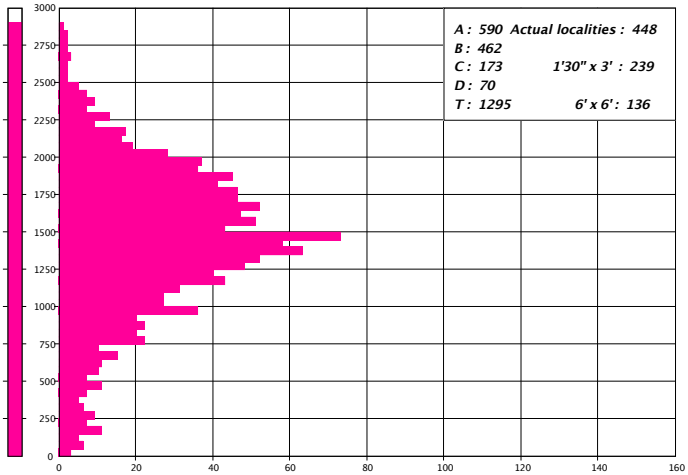
NYMPHALIDAE *Vanessa cardui*

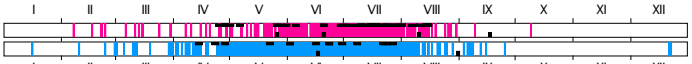




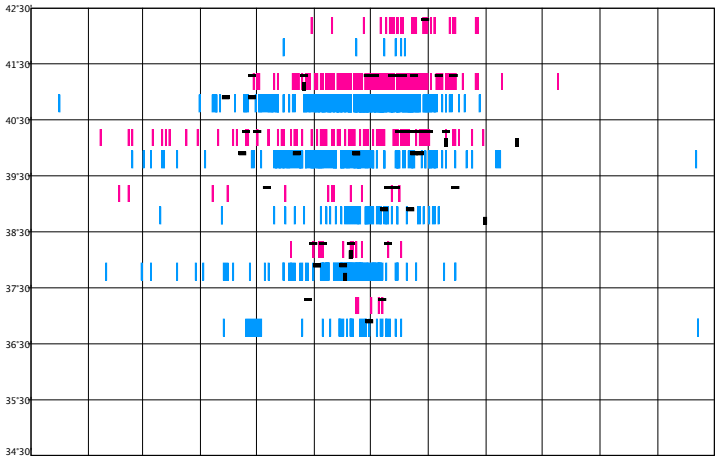


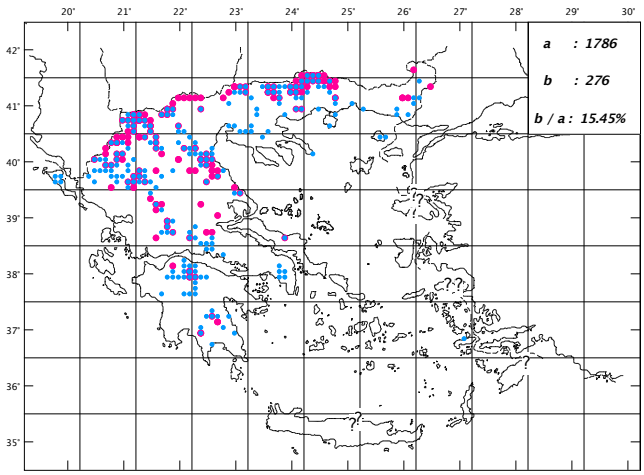


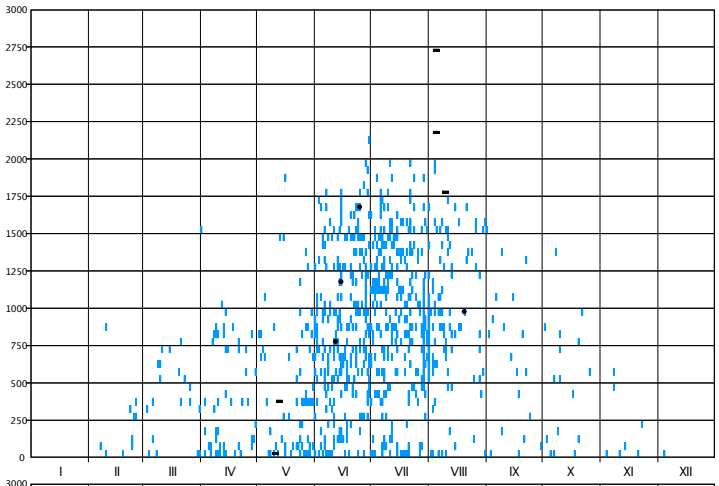


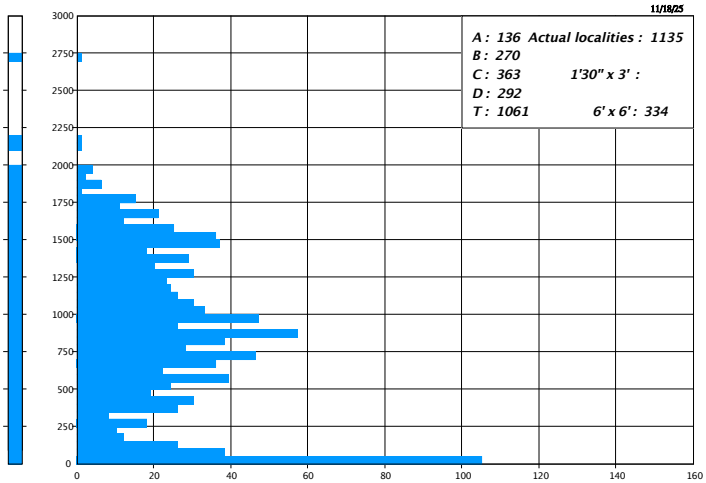


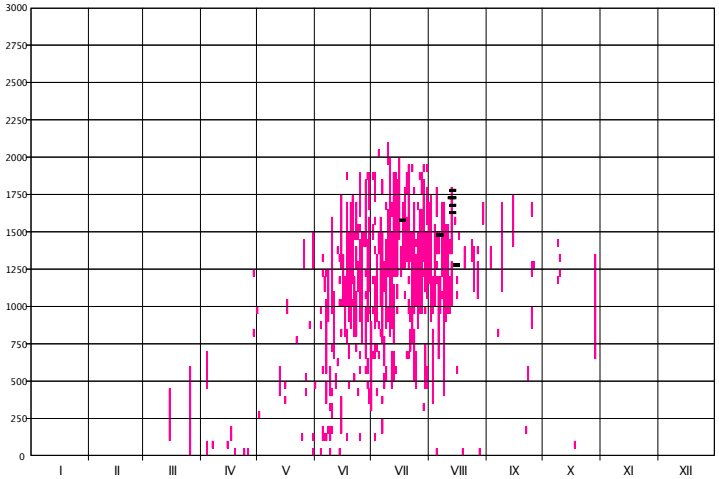
NYMPHALIDAE *Aglais urticae*

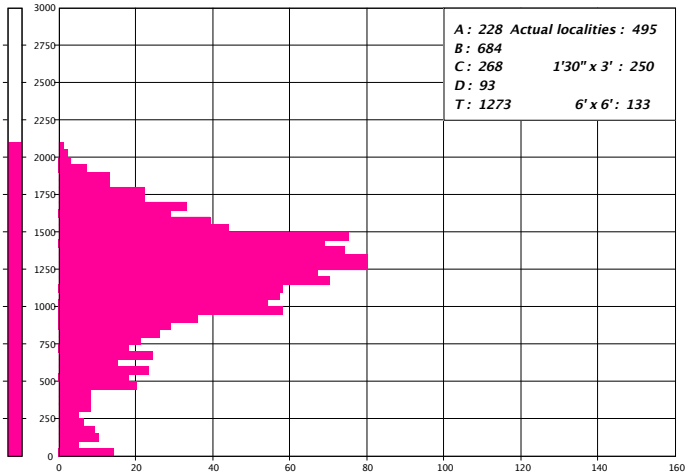


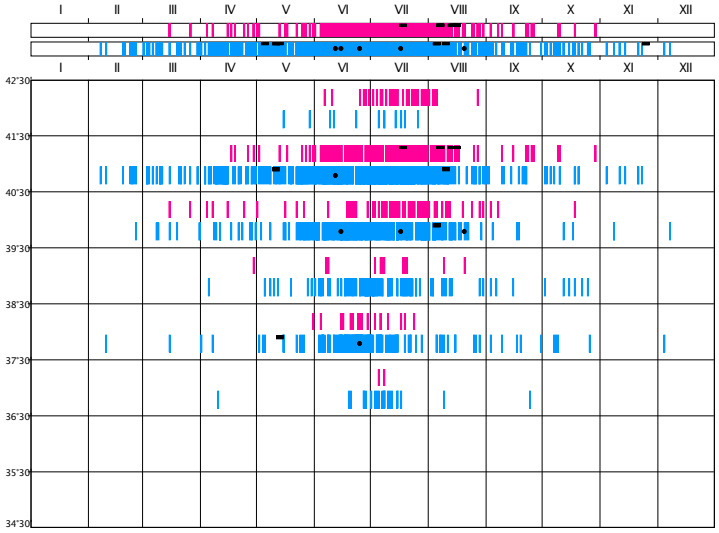




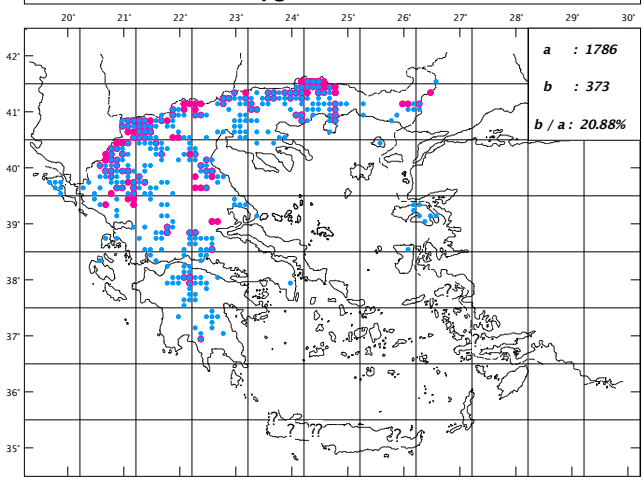


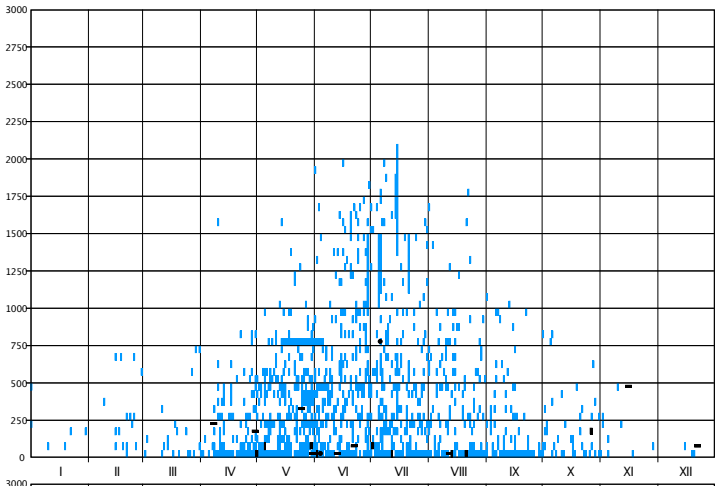


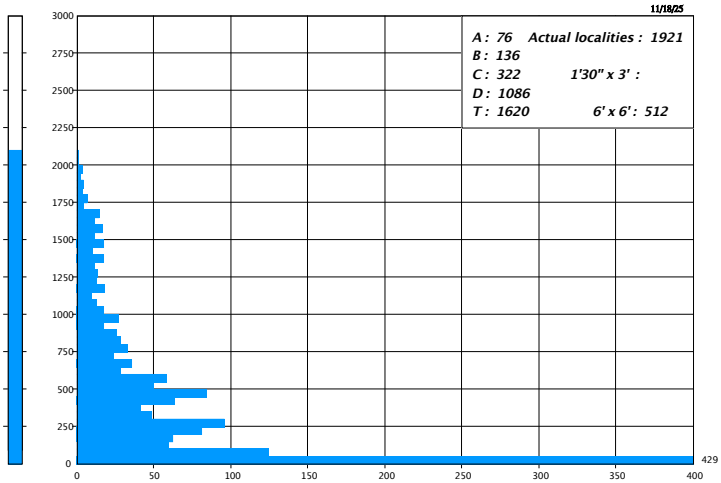


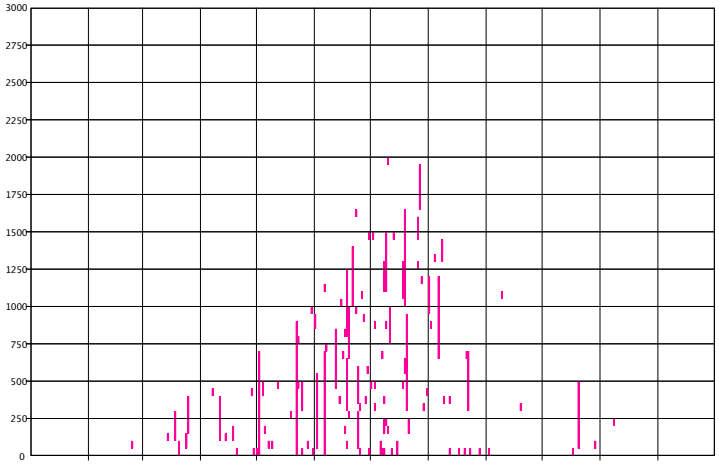


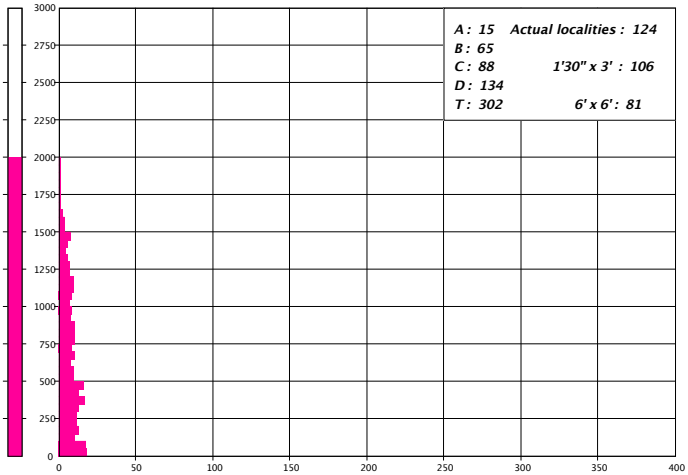
NYMPHALIDAE *Polygonia c-album*

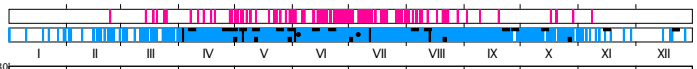




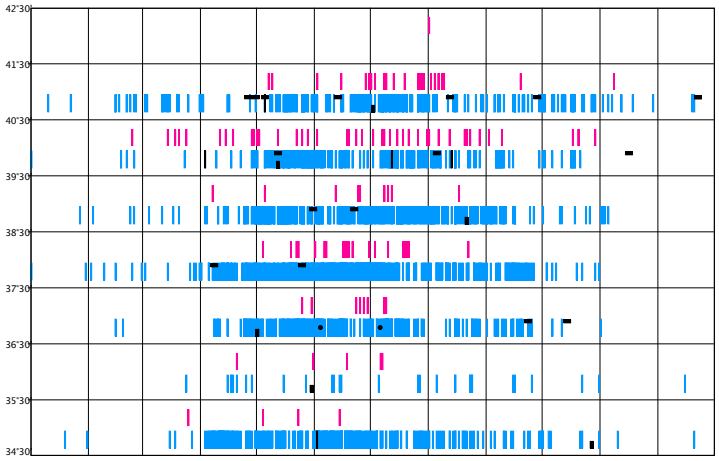


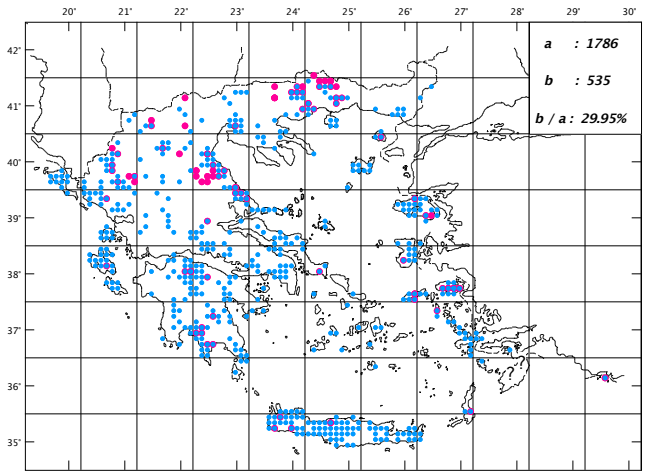


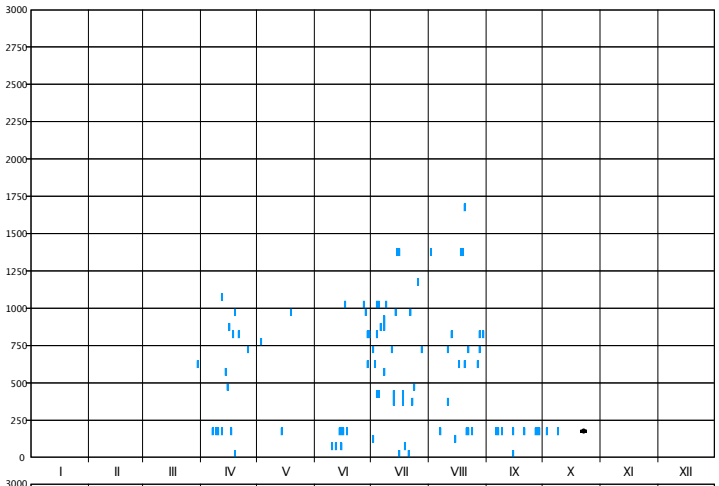


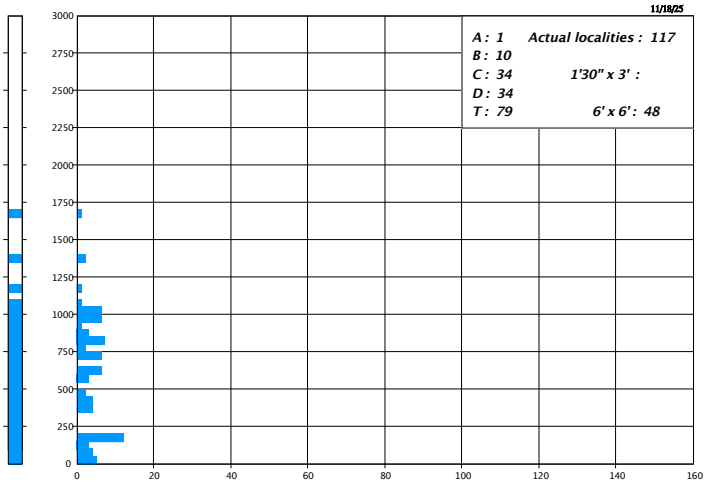


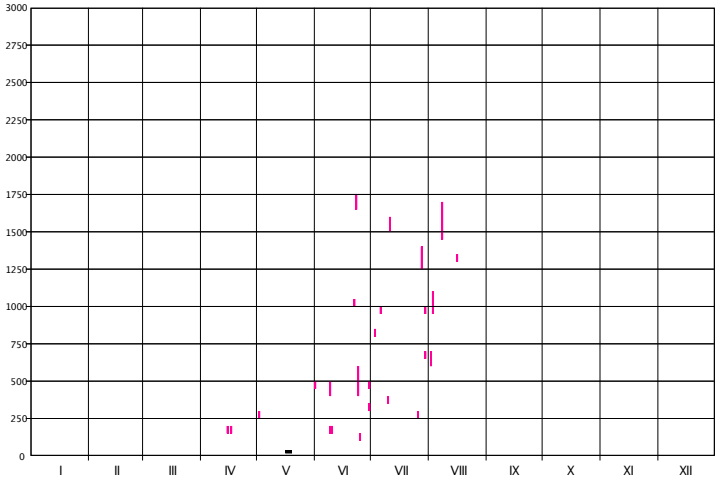
NYMPHALIDAE *Polygonia egea*

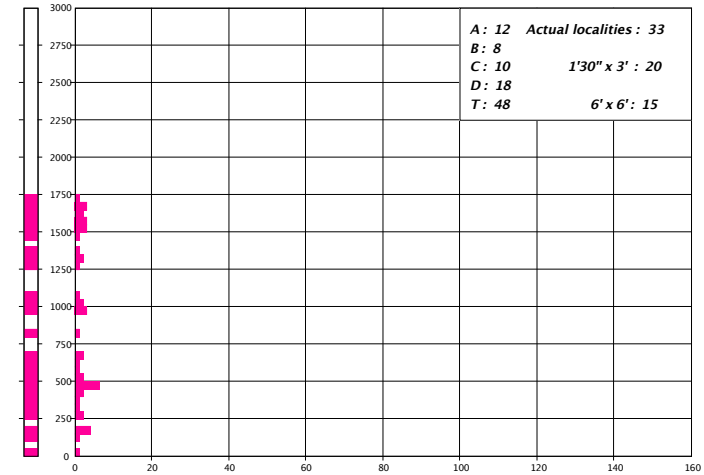


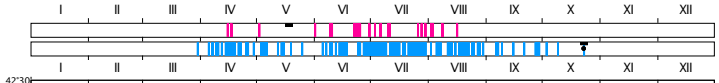




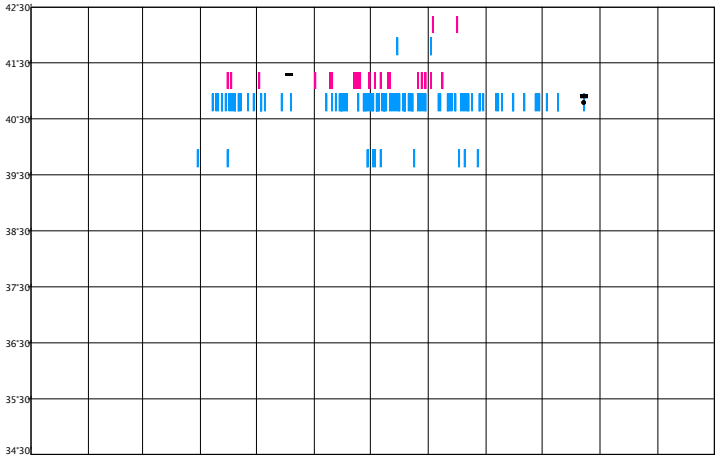


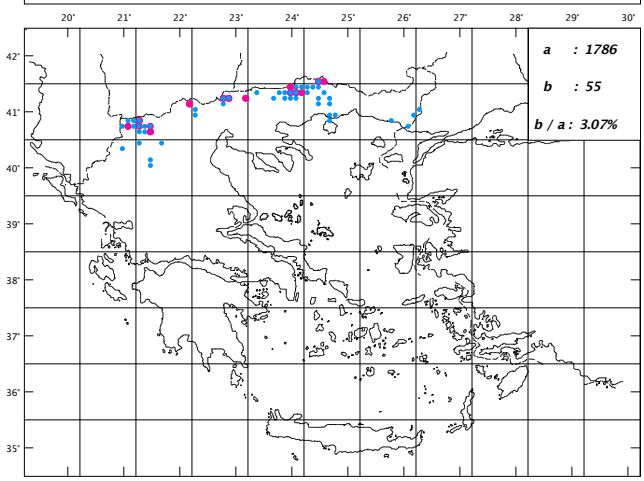


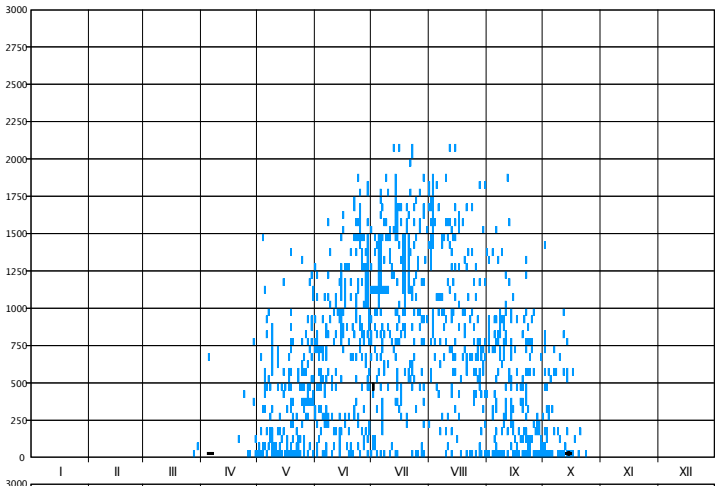


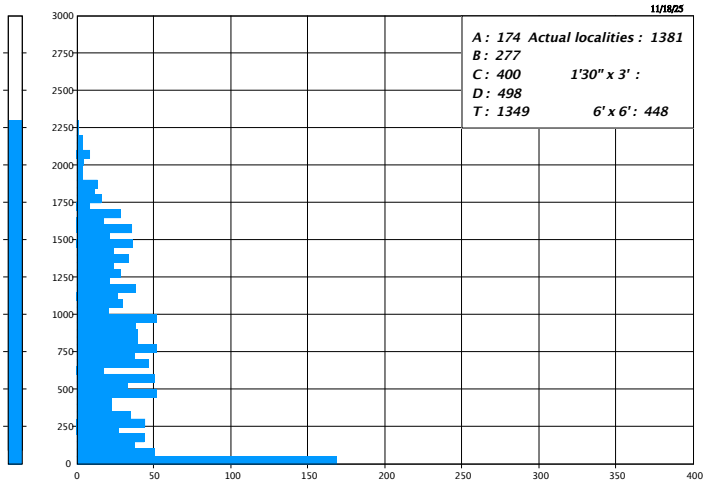


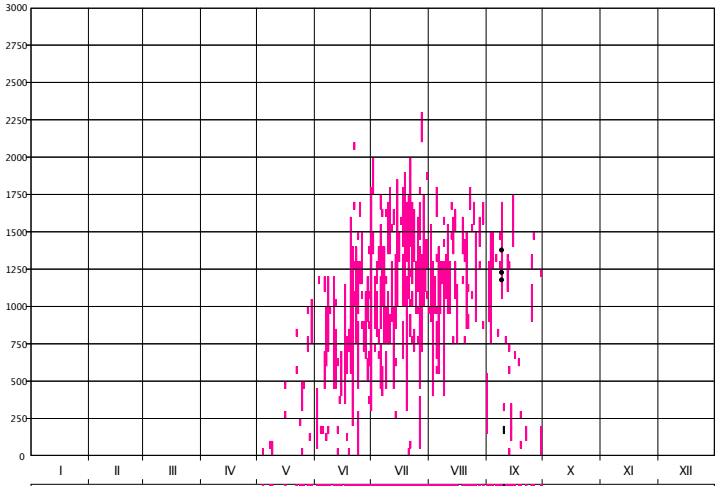
NYMPHALIDAE *Araschnia levana*

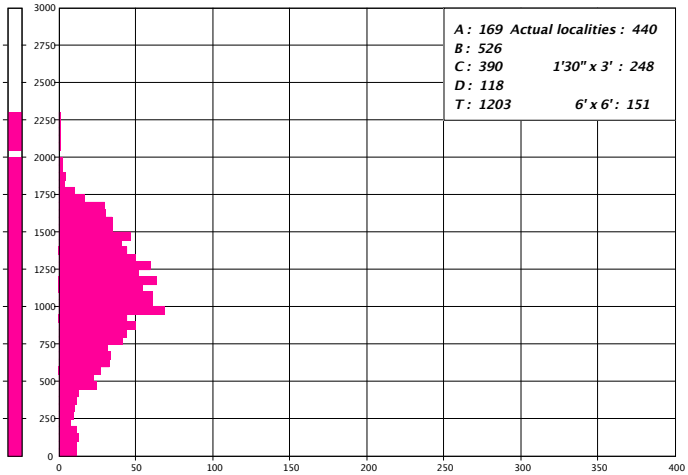




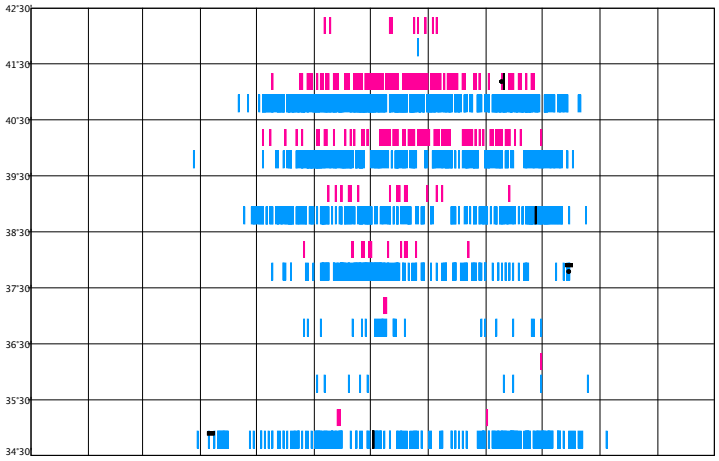


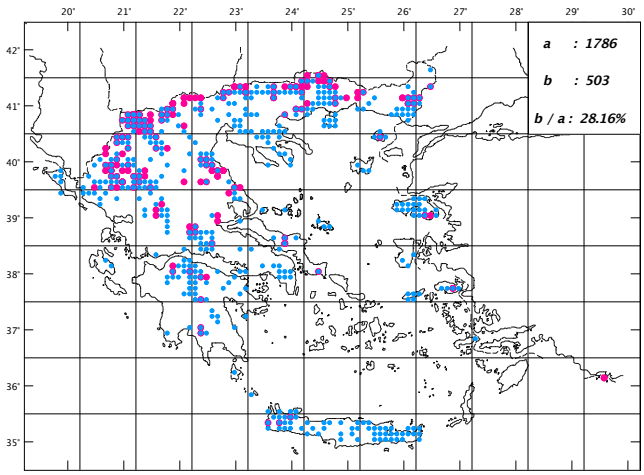


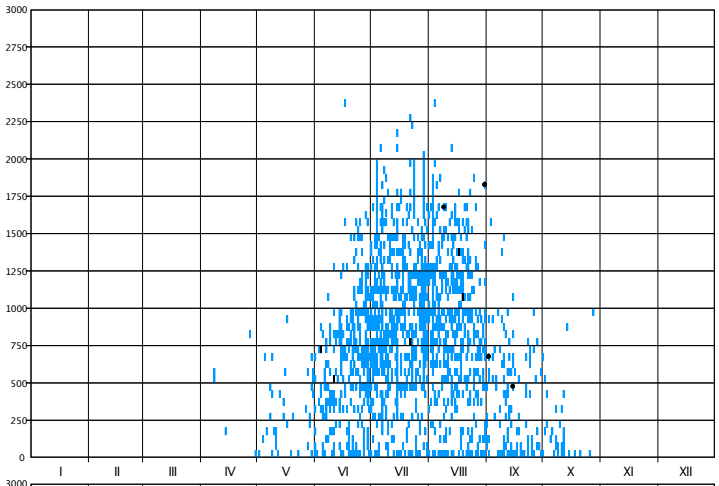


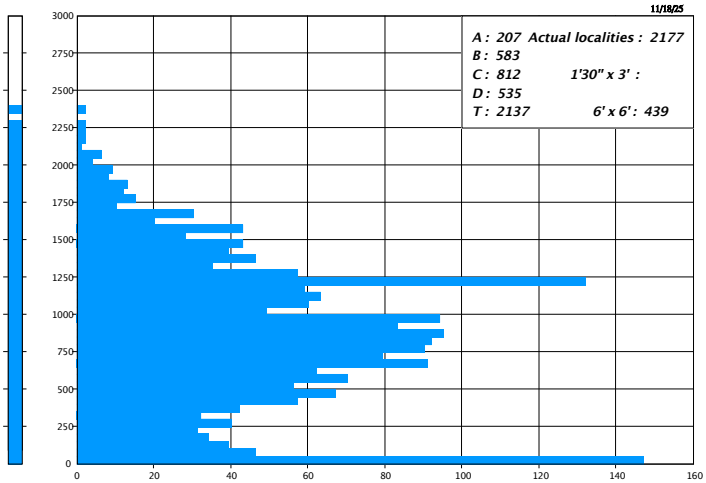


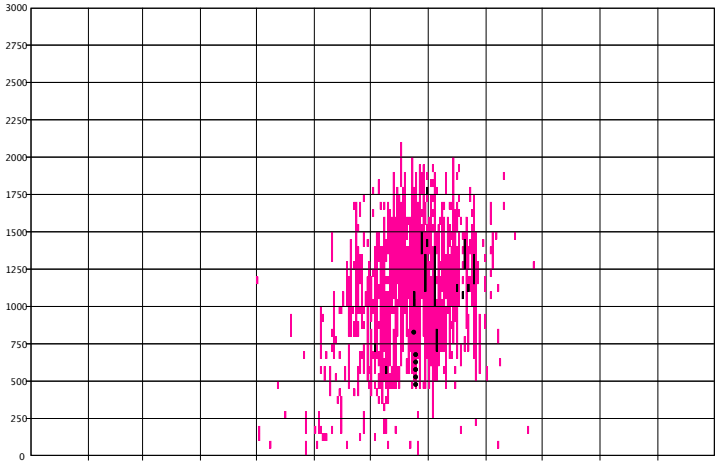
NYMPHALIDAE *Argynnis pandora*

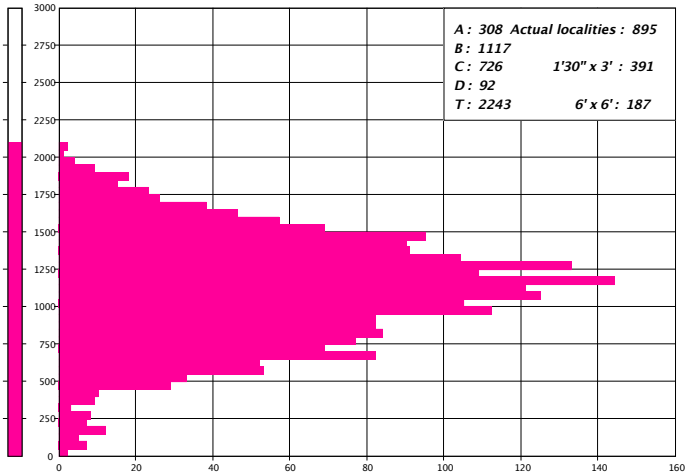


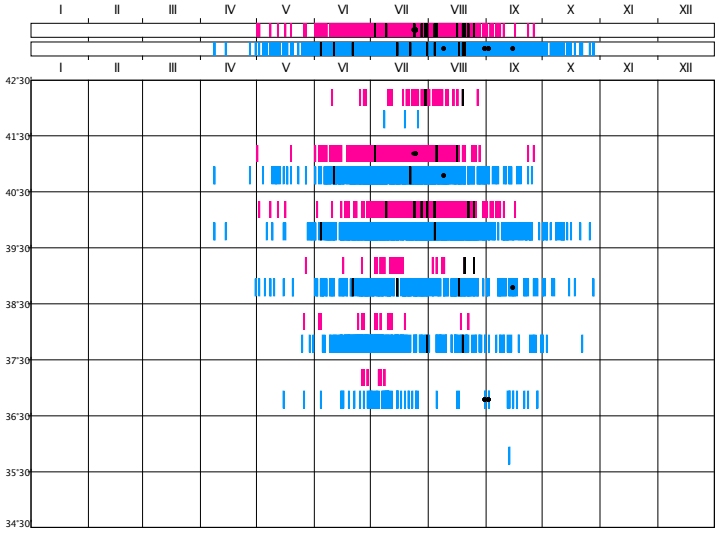




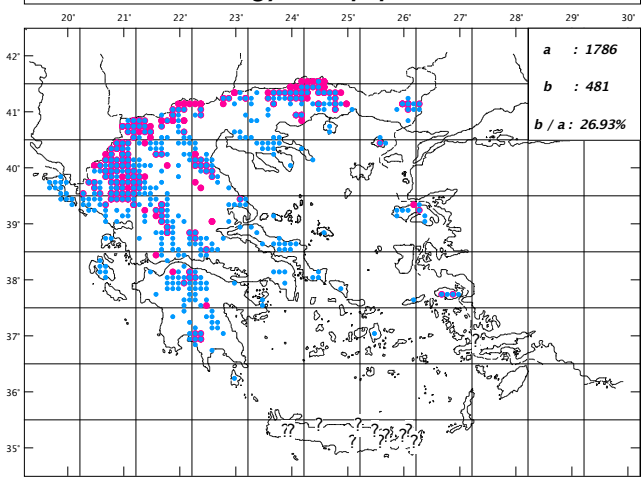


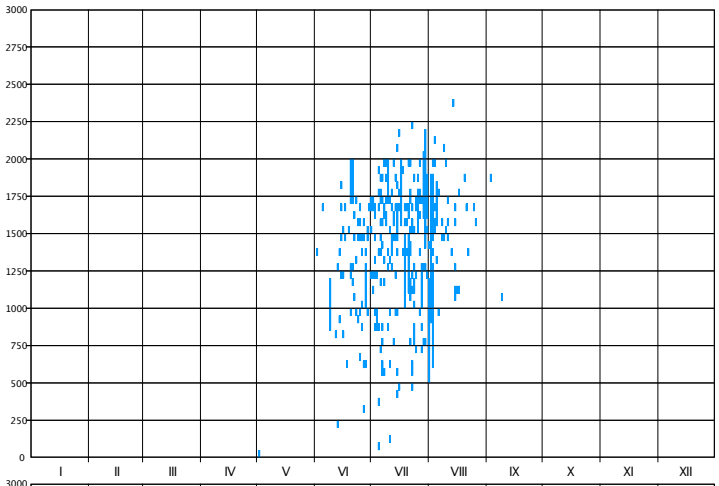


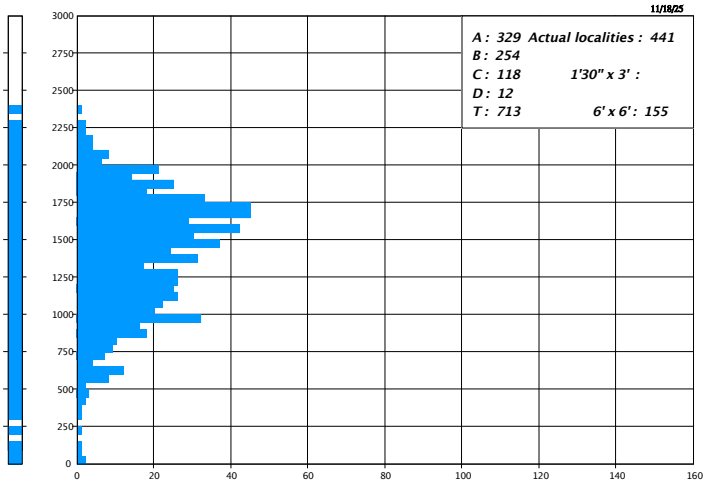


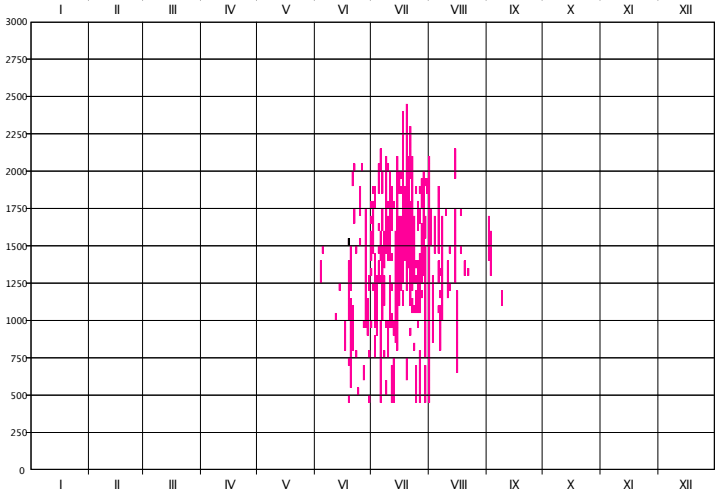


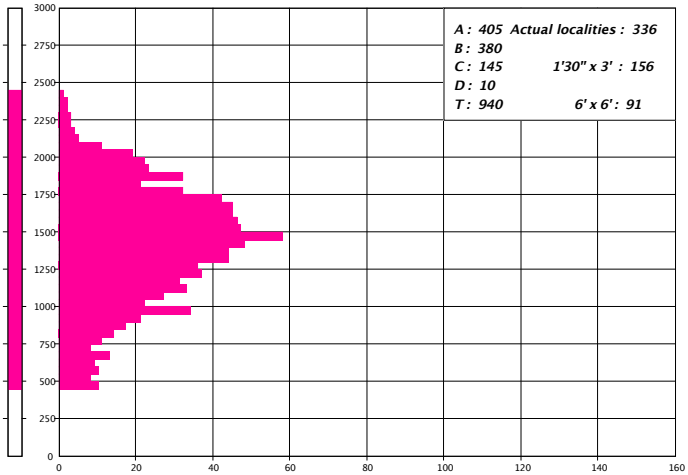
NYMPHALIDAE *Argynnis paphia*

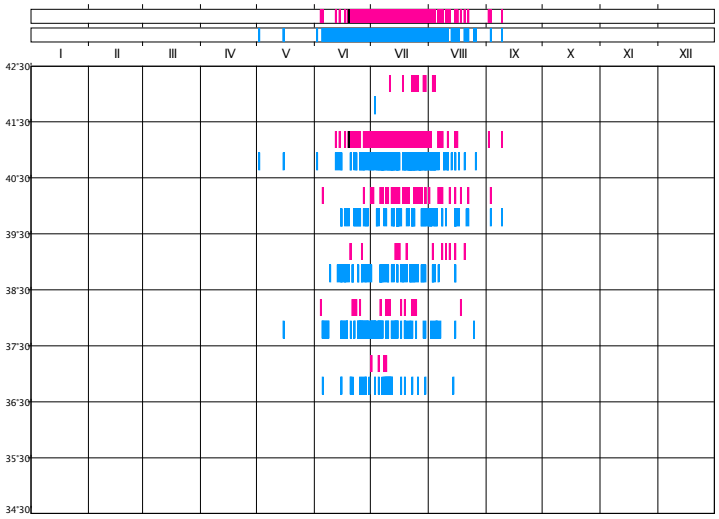




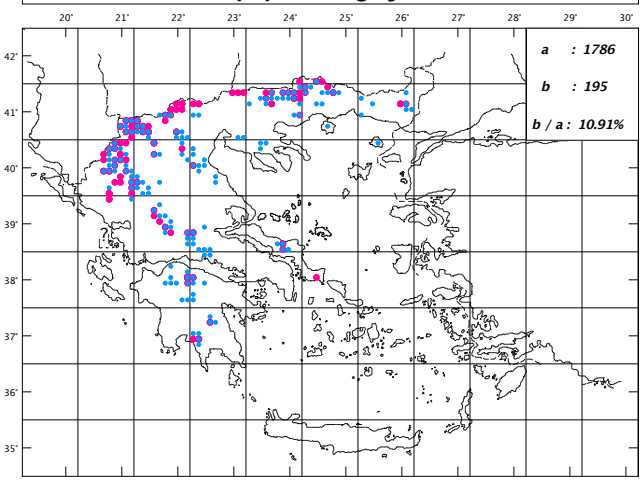


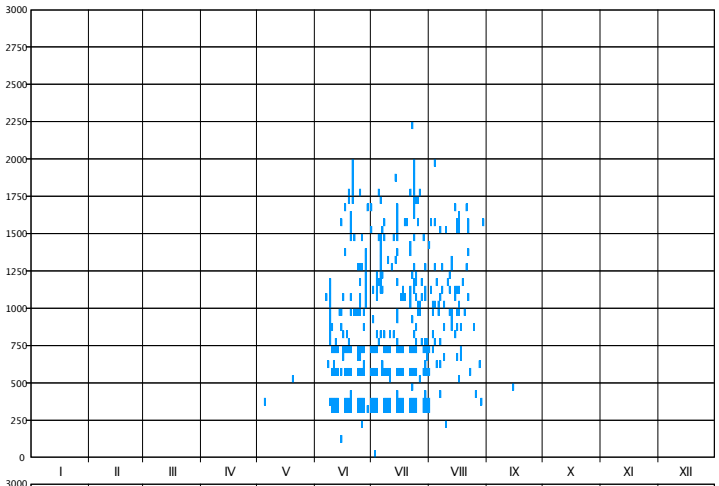


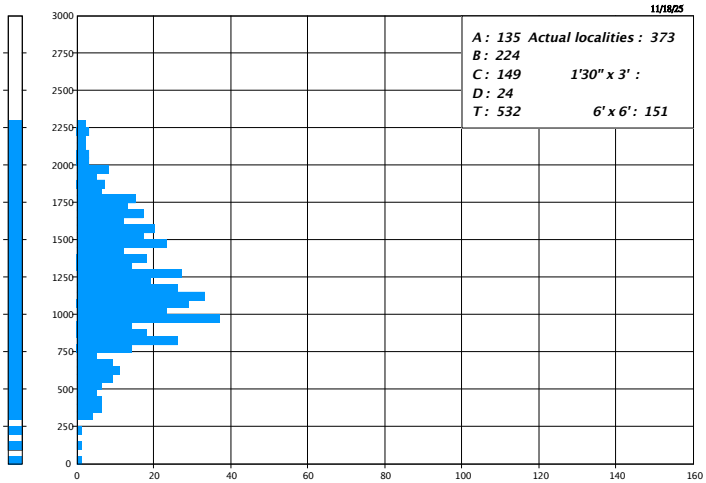


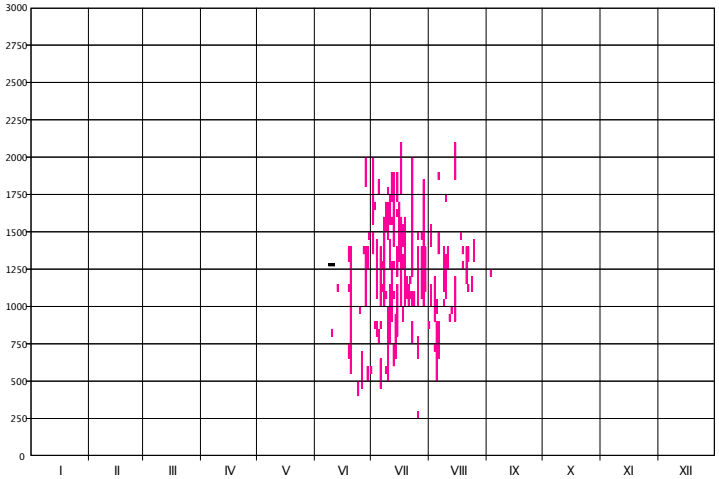


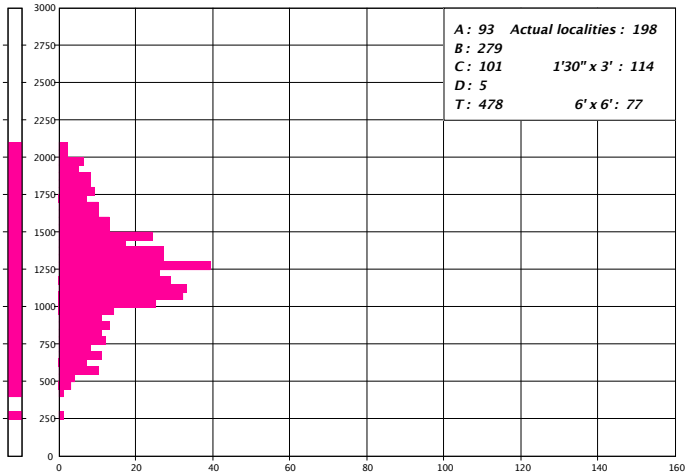
NYMPHALIDAE *Speyeria aglaja*

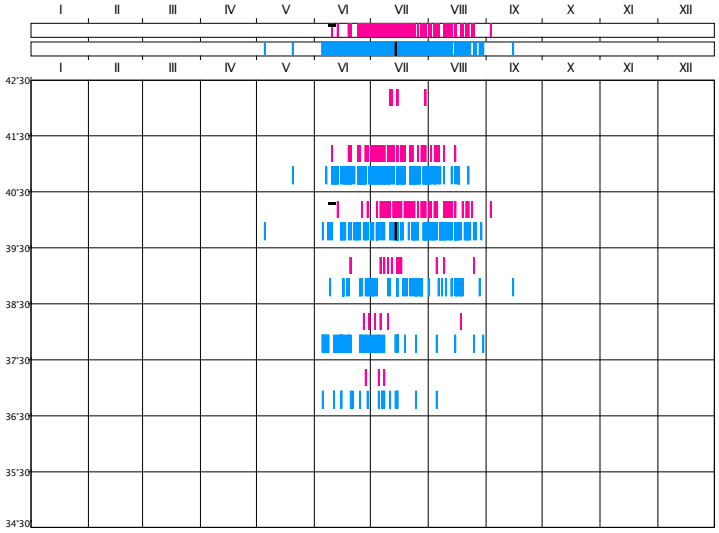




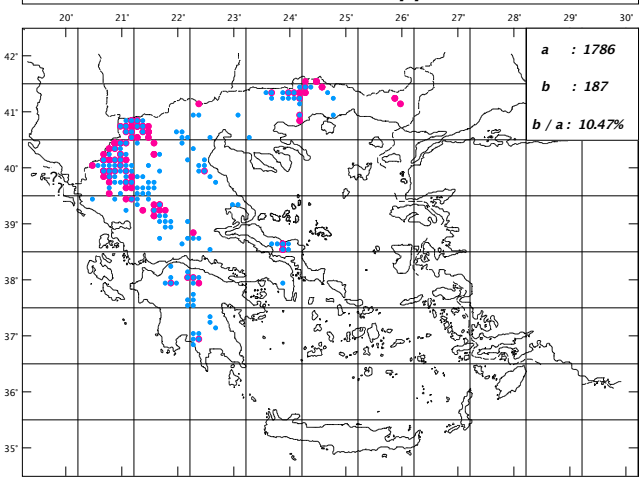


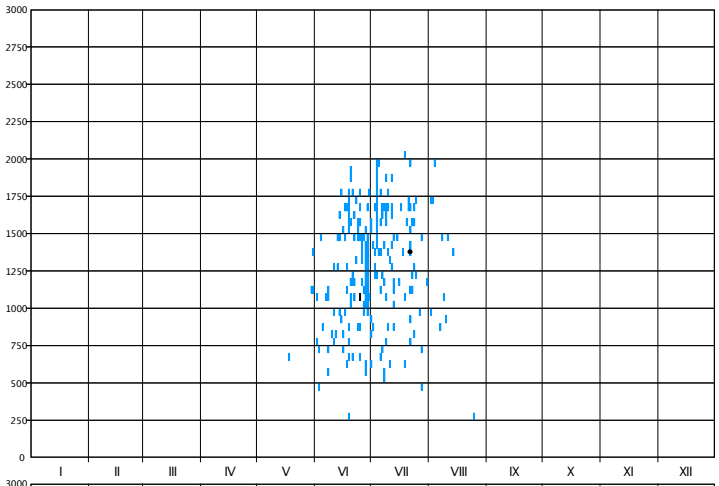


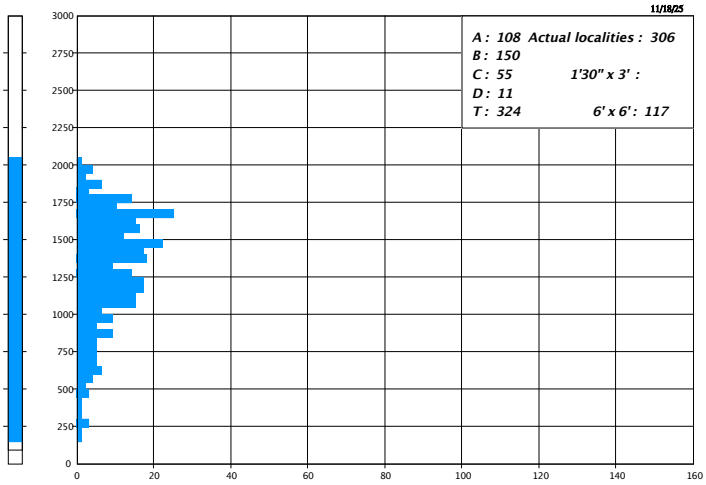


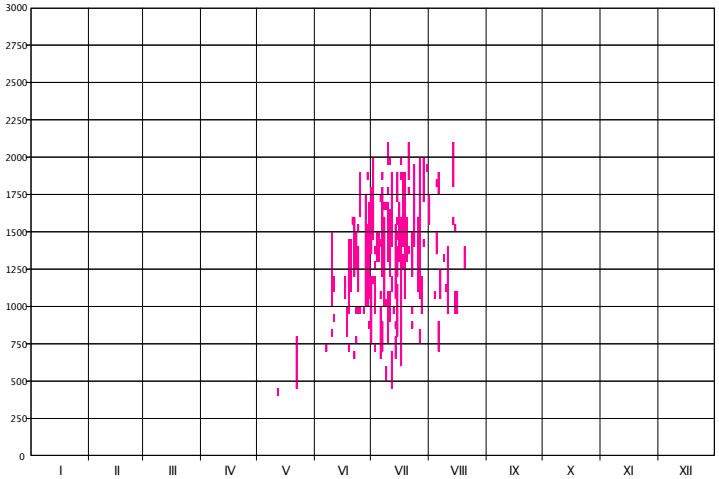


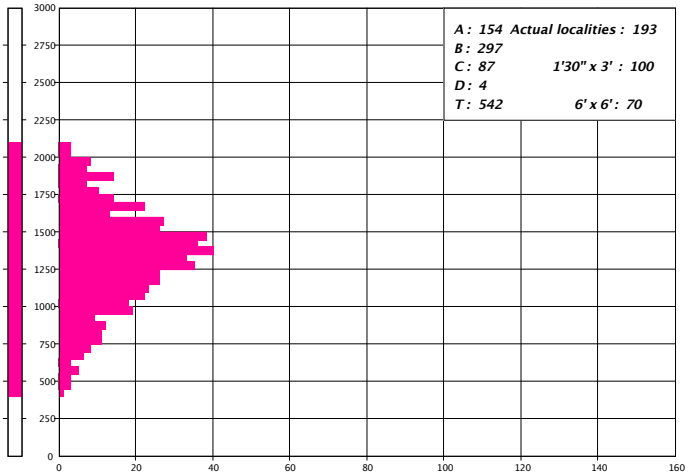
NYMPHALIDAE *Fabriciana adippe*

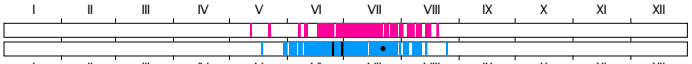




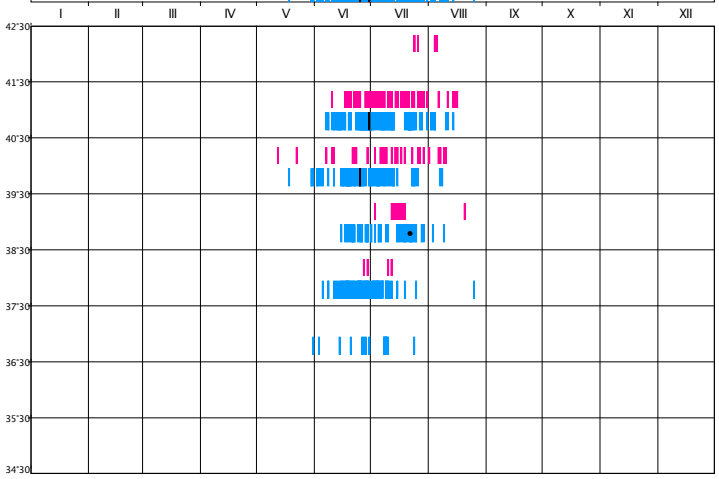


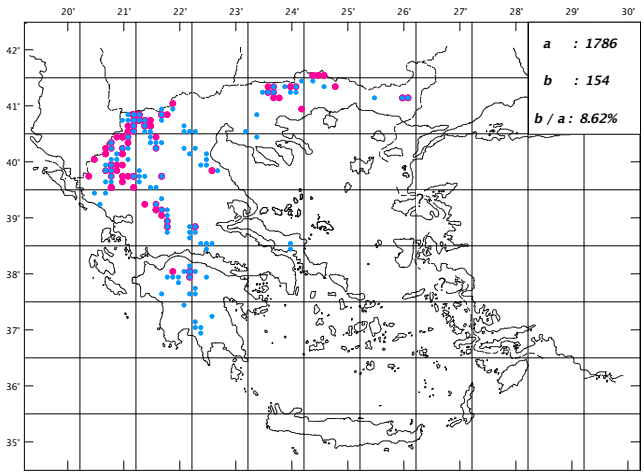


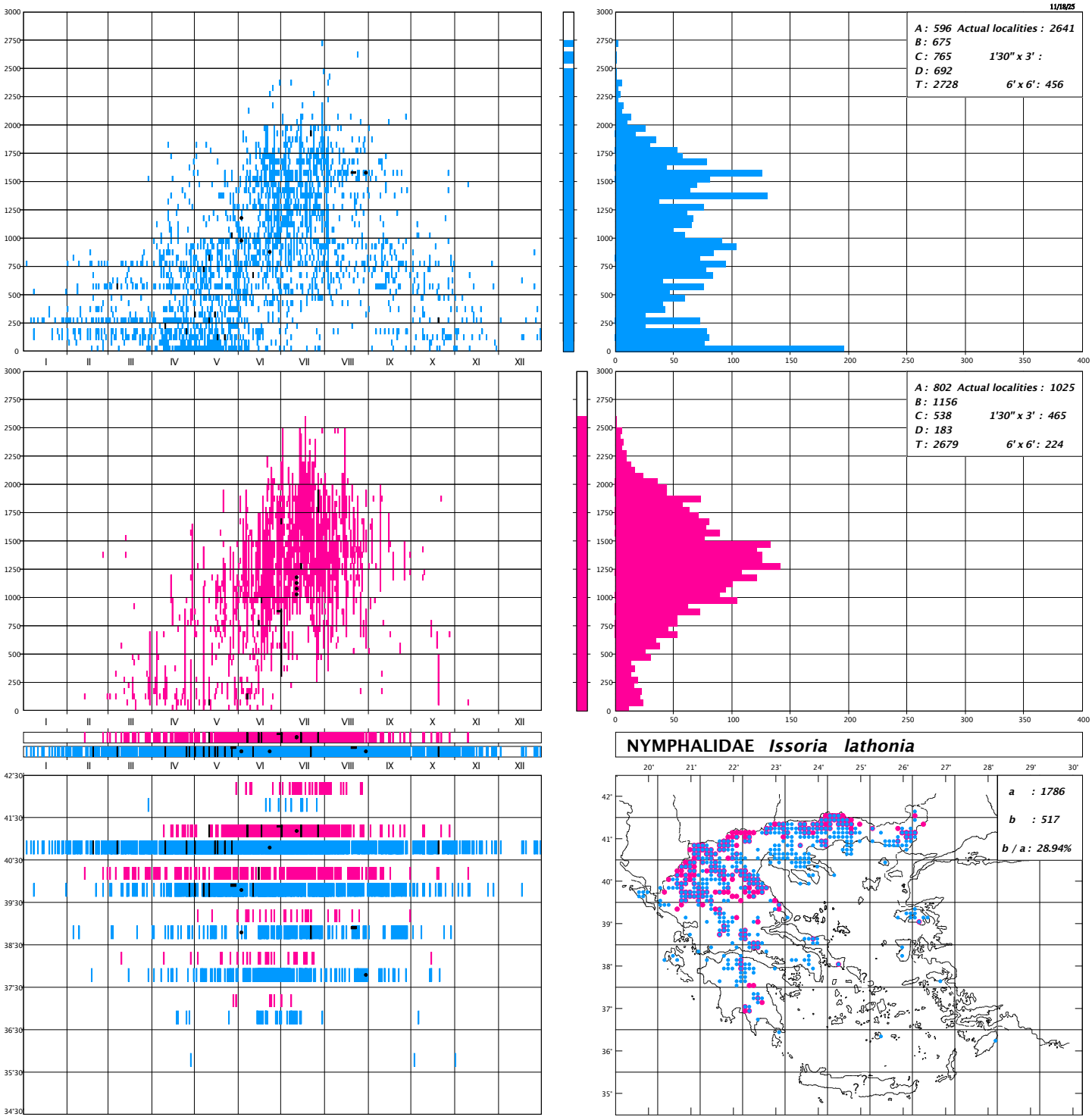


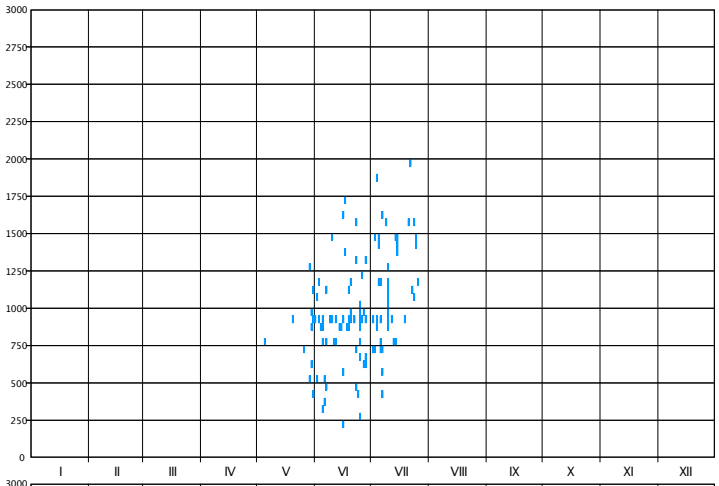


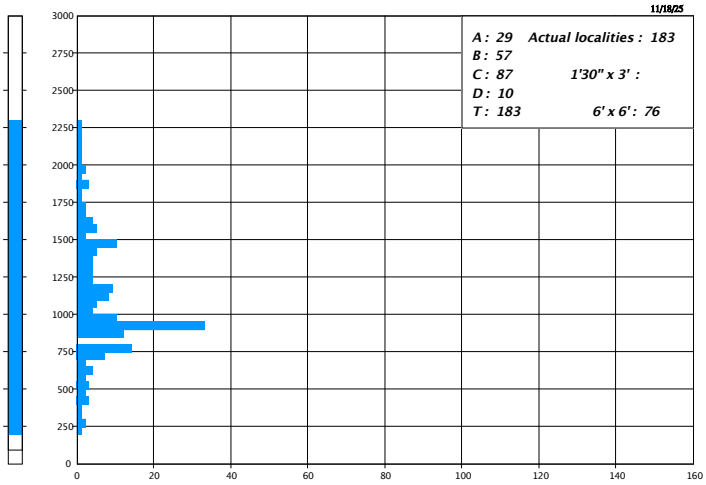
NYMPHALIDAE *Fabriciana niobe*

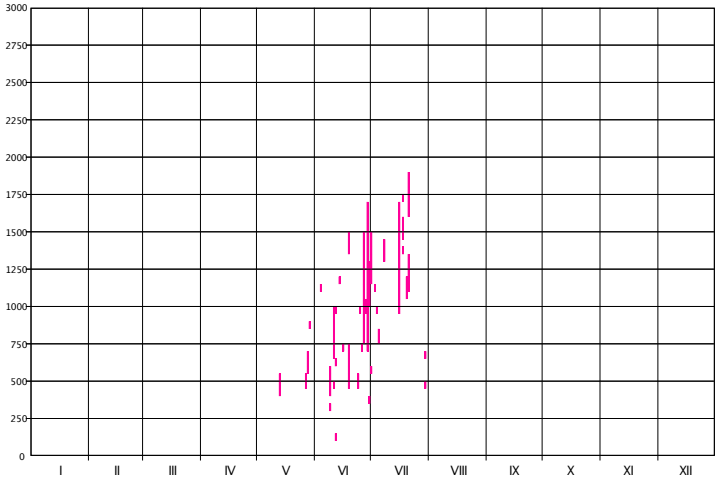


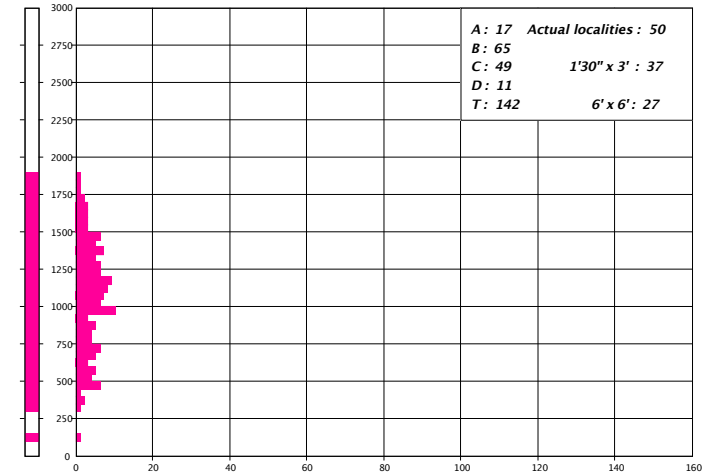


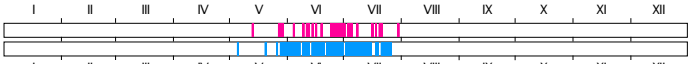

11/18/25
A : 596 Actual localities : 2641
B : 675
C : 765 1'30" x 3' :
D : 692
T : 2728 6' x 6' : 456
A : 802 Actual localities : 1025
B : 1156
C : 538 1'30" x 3' : 465
D : 183
T : 2679 6' x 6' : 224
NYMPHALIDAE Issoria lathonia
a : 1786
b : 517
b / a : 28.94%



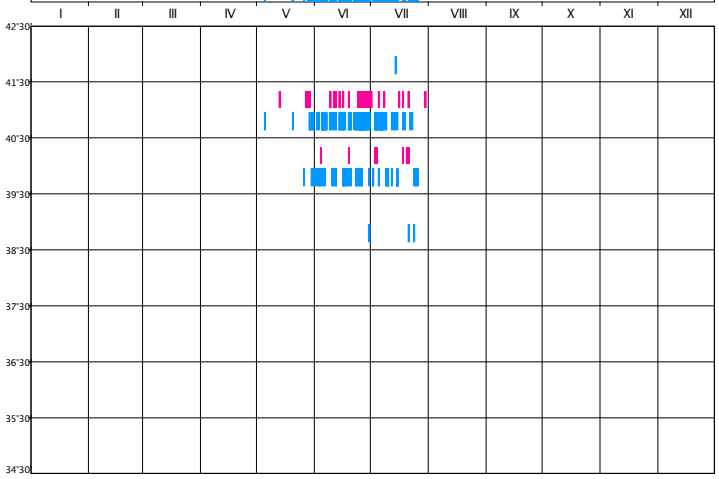


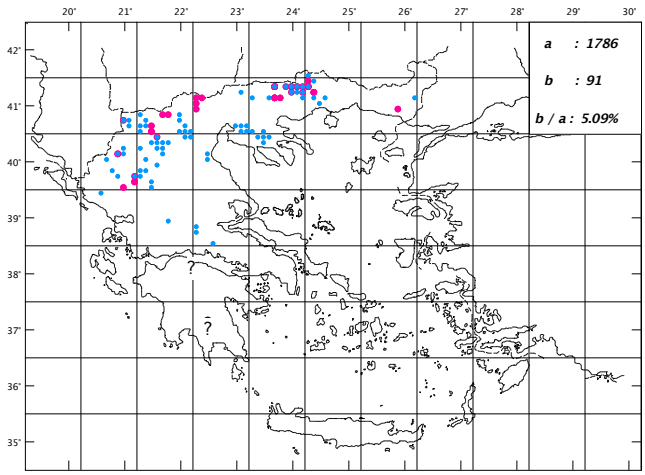


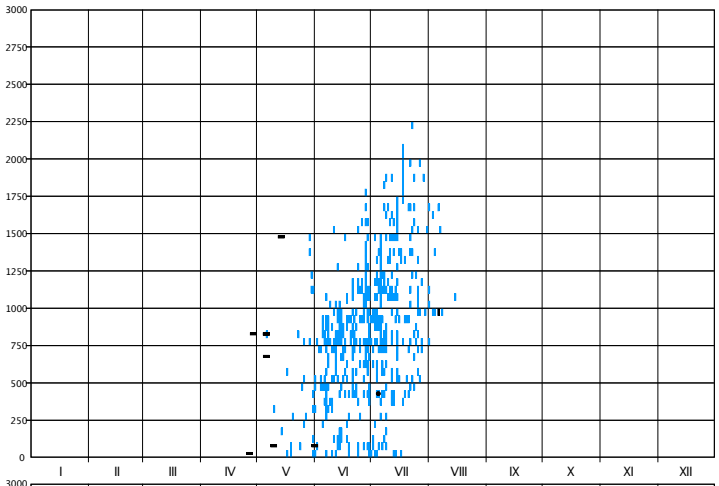


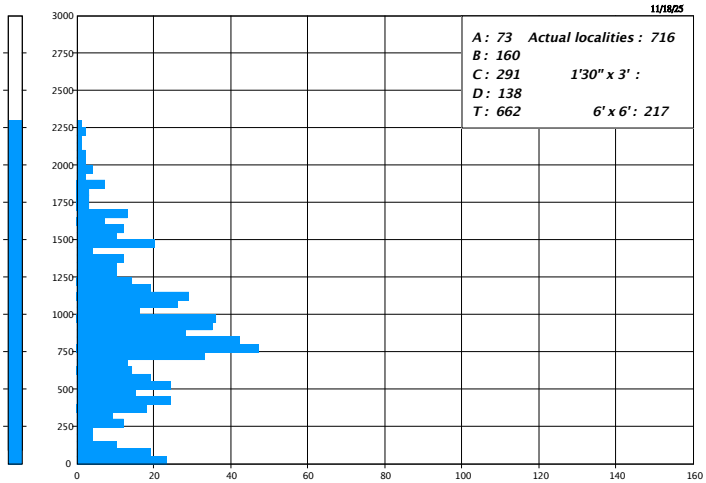


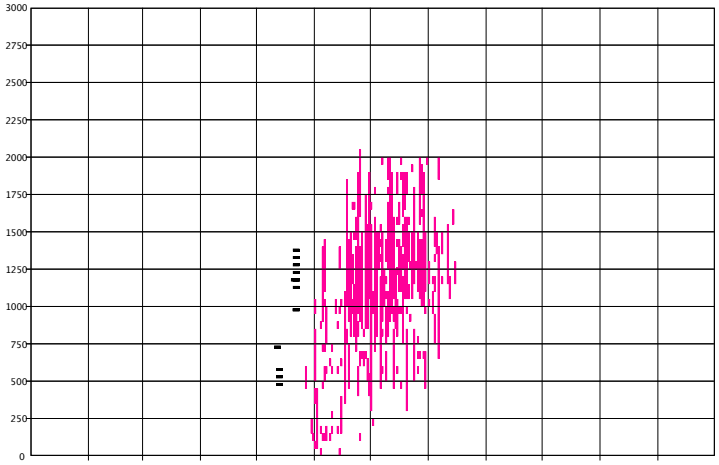
NYMPHALIDAE *Brenthis hecate*

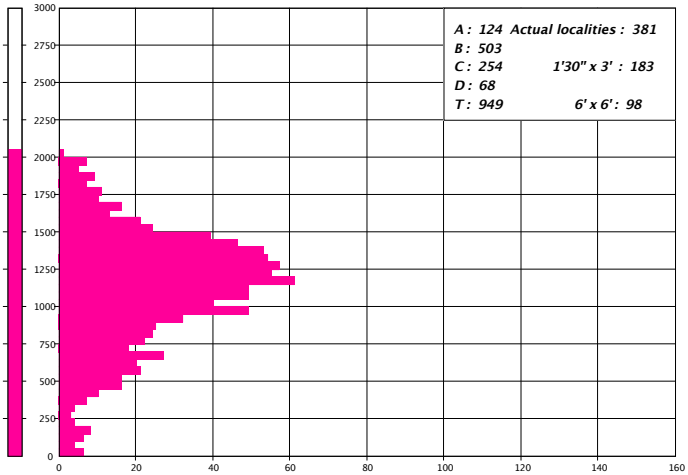




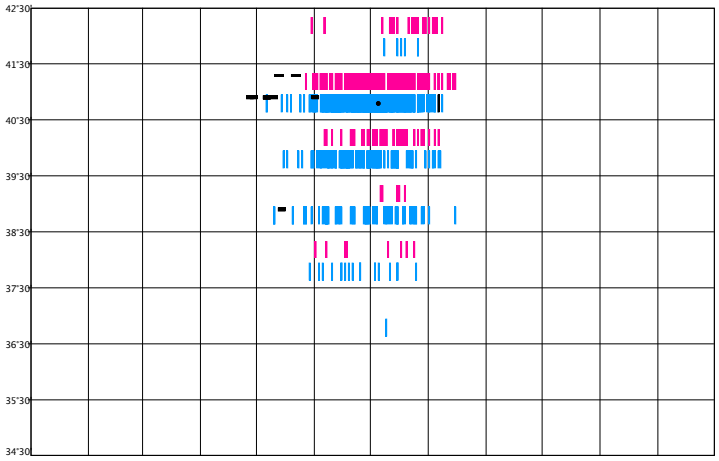


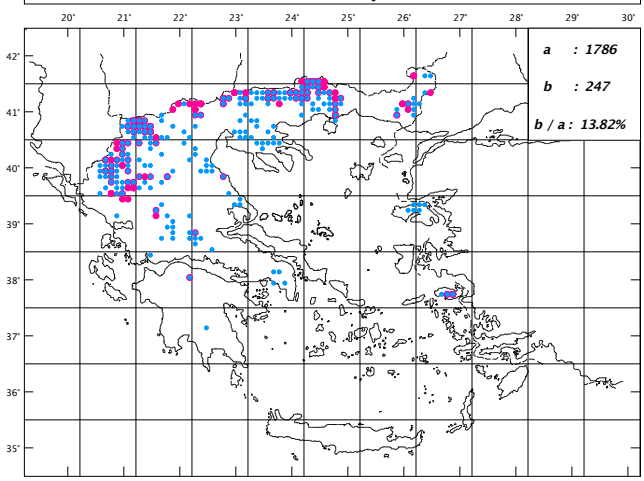


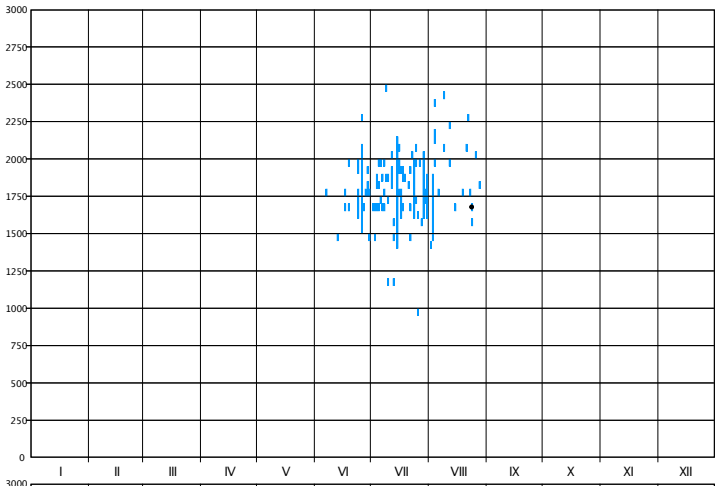


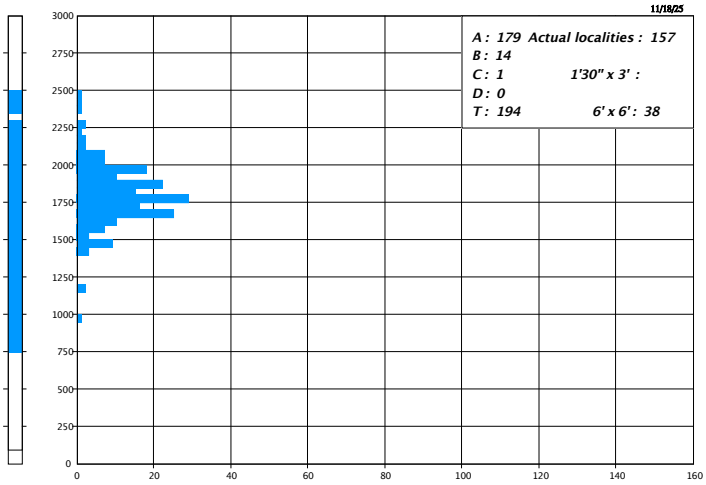


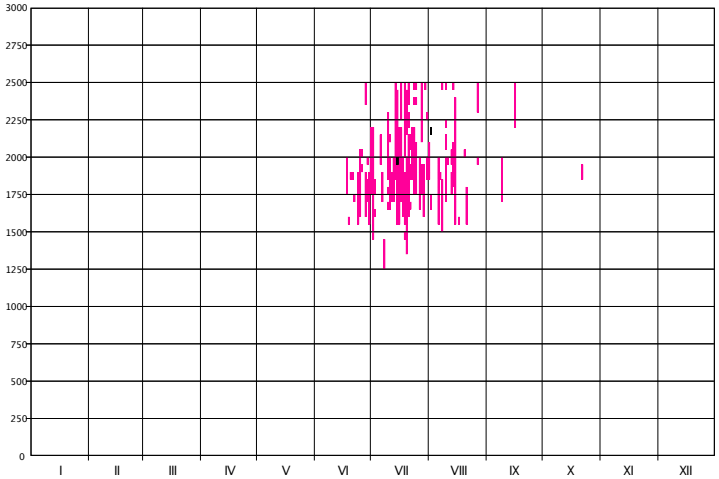
NYMPHALIDAE *Brenthis daphne*

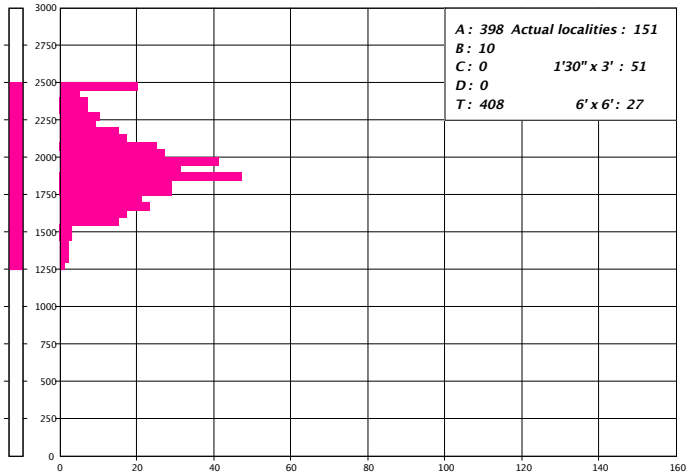




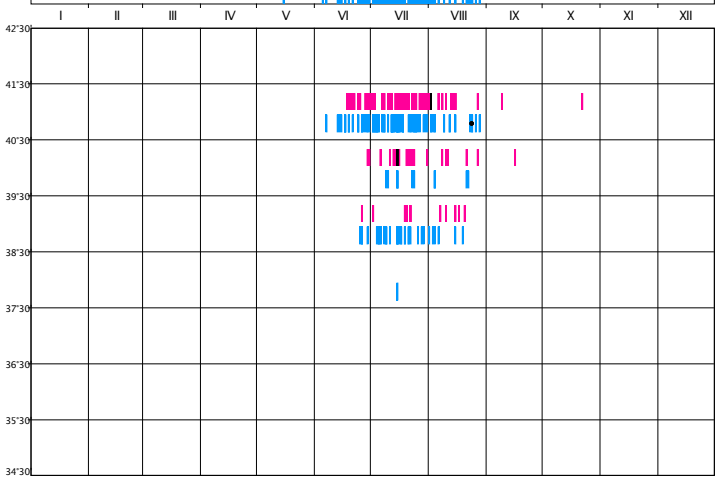


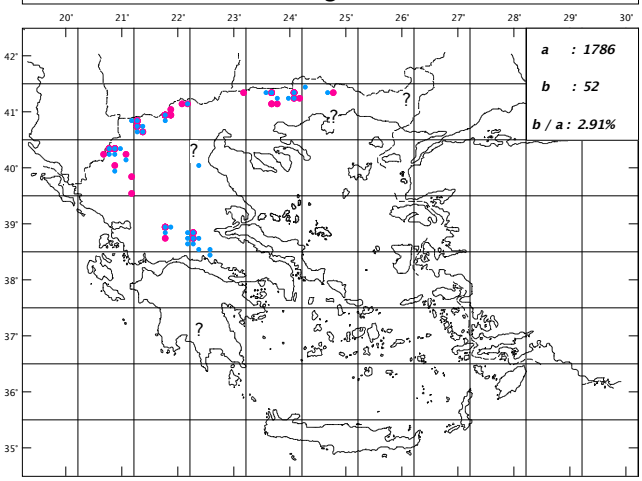


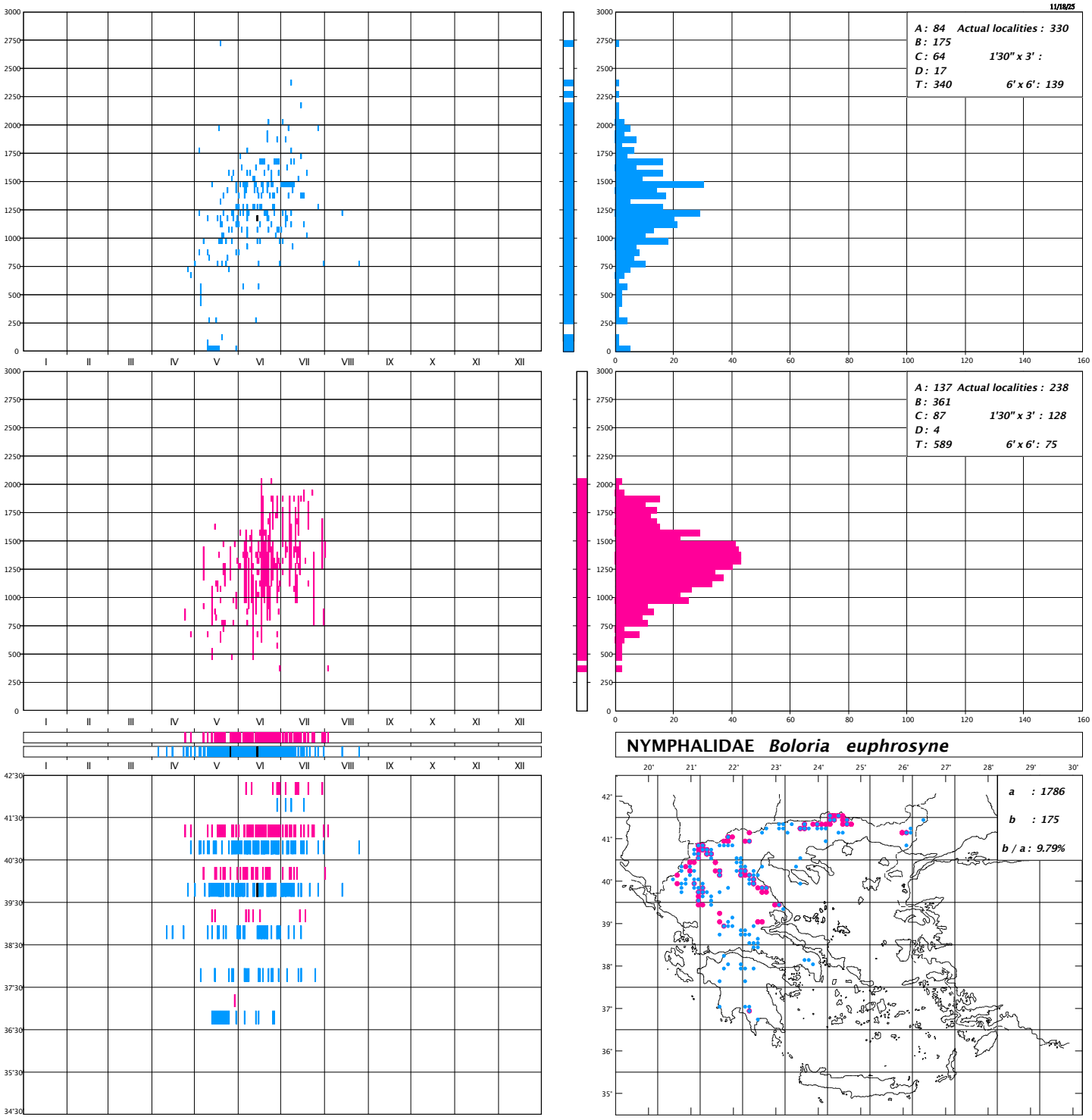


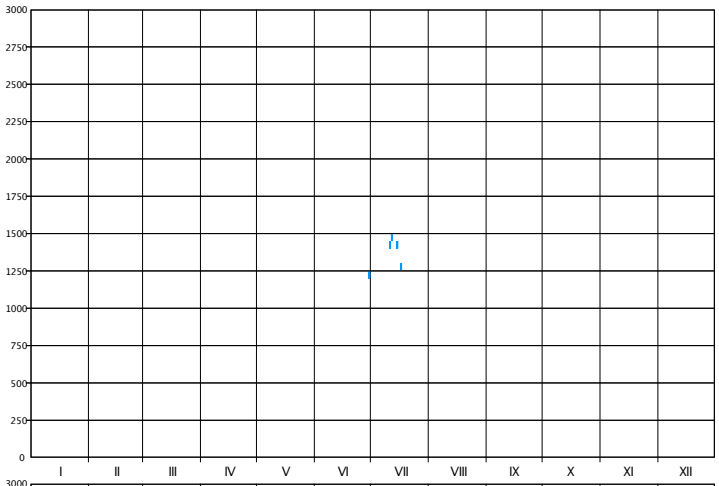


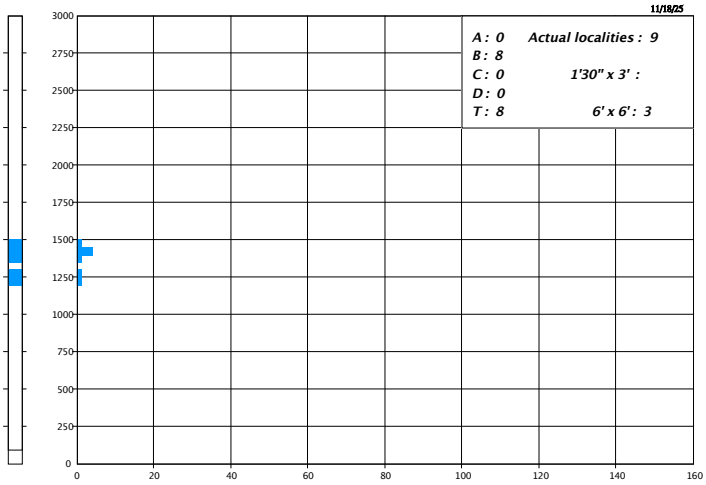
NYMPHALIDAE *Boloria graeca*

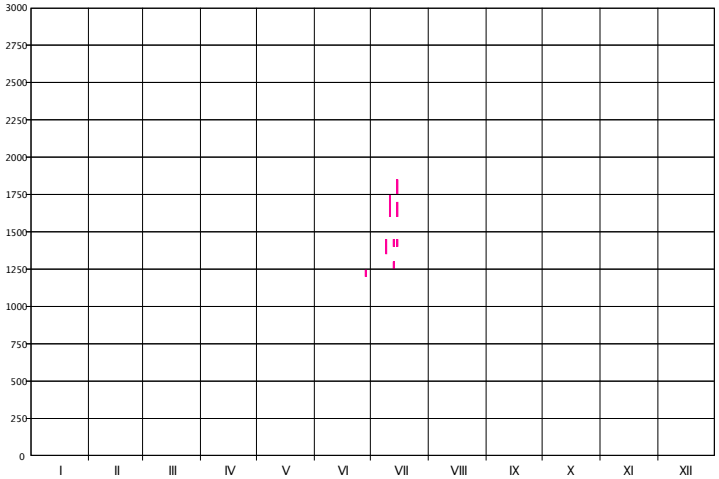


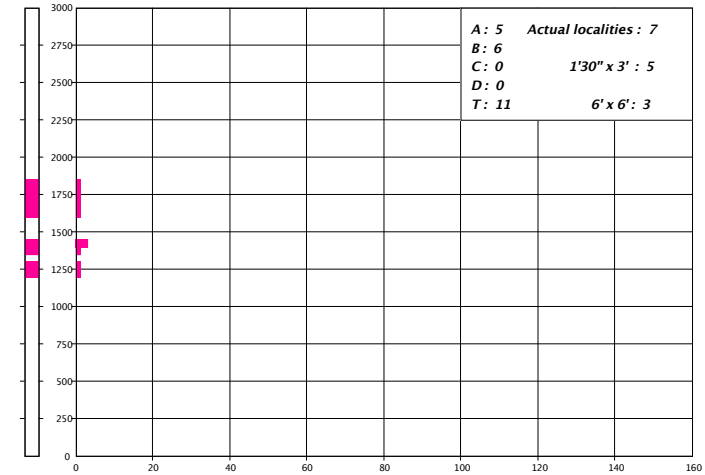


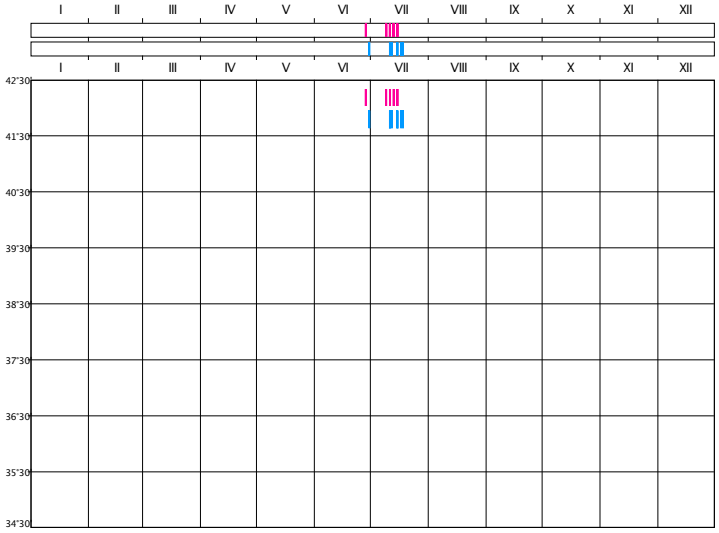

11/18/25
A : 84 Actual localities : 330
B : 175
C : 64 1'30" x 3' :
D : 17
T : 340 6' x 6' : 139
A : 137 Actual localities : 238
B : 361
C : 87 1'30" x 3' : 128
D : 4
T : 589 6' x 6' : 75
NYMPHALIDAE Boloria euphrosyne
a : 1786
b : 175
b / a : 9.79%



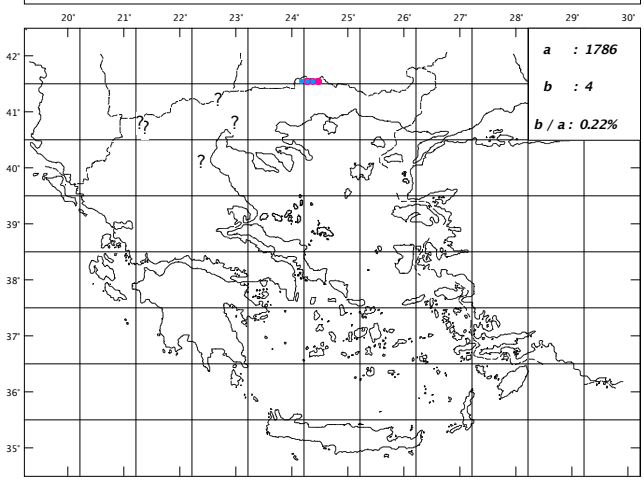


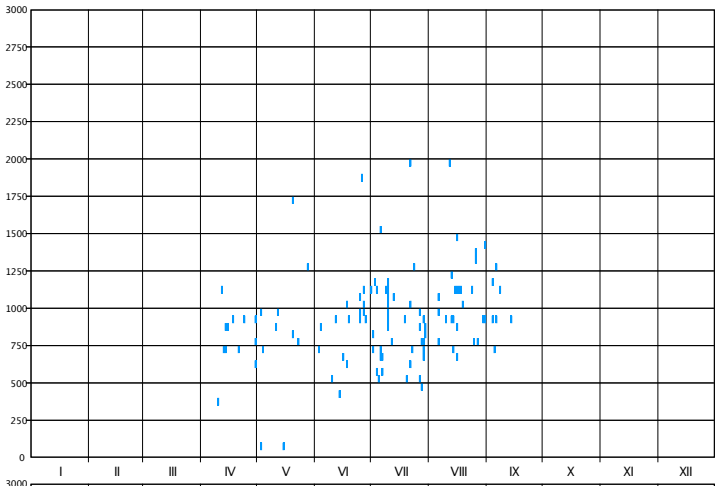


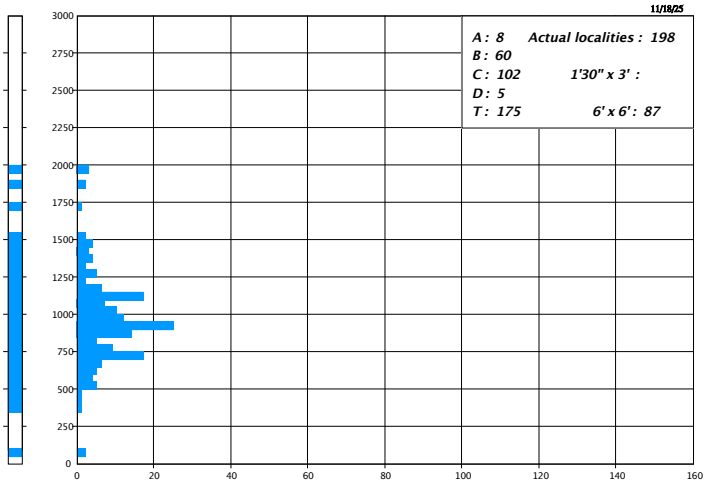


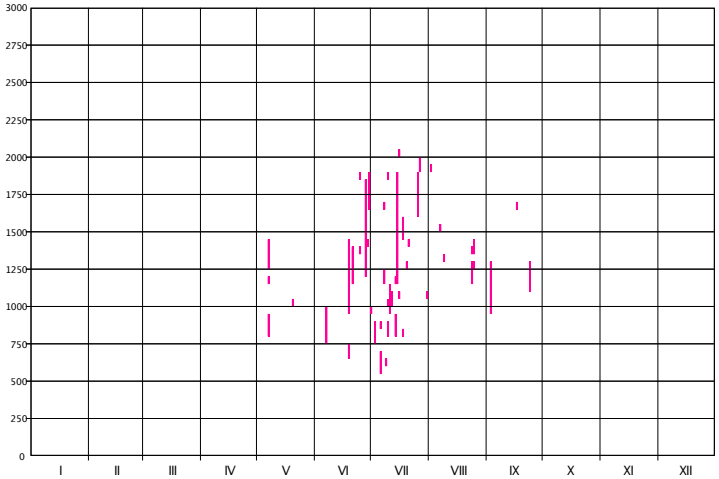


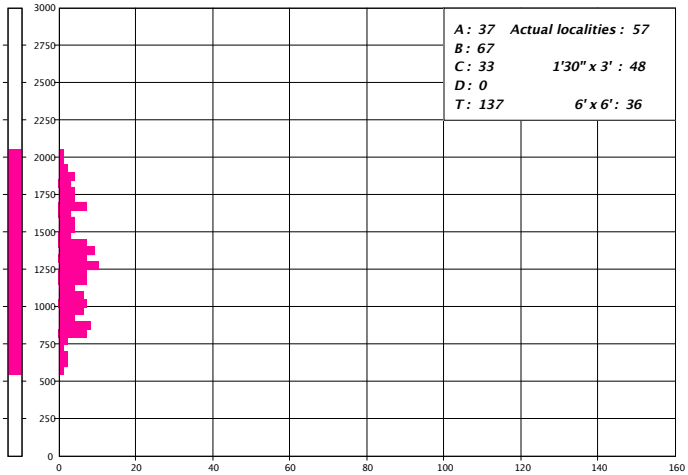
NYMPHALIDAE *Boloria selene*

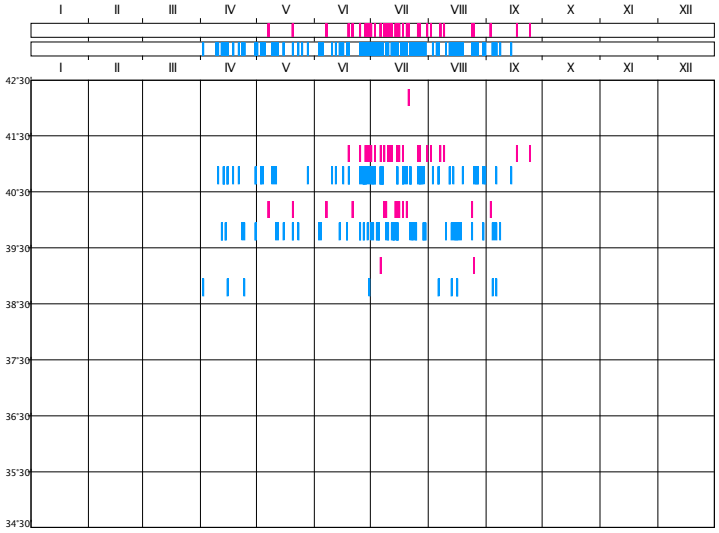




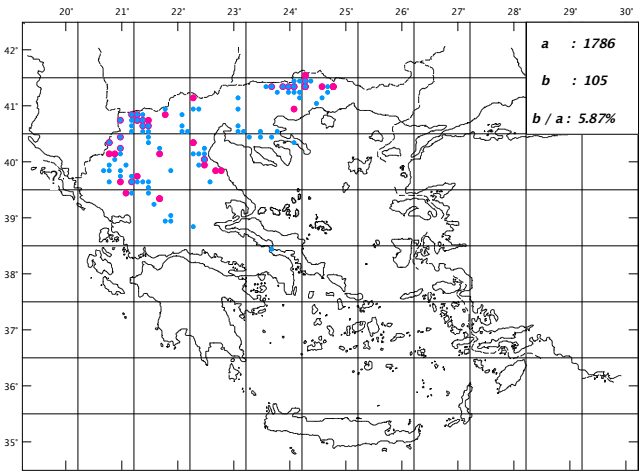


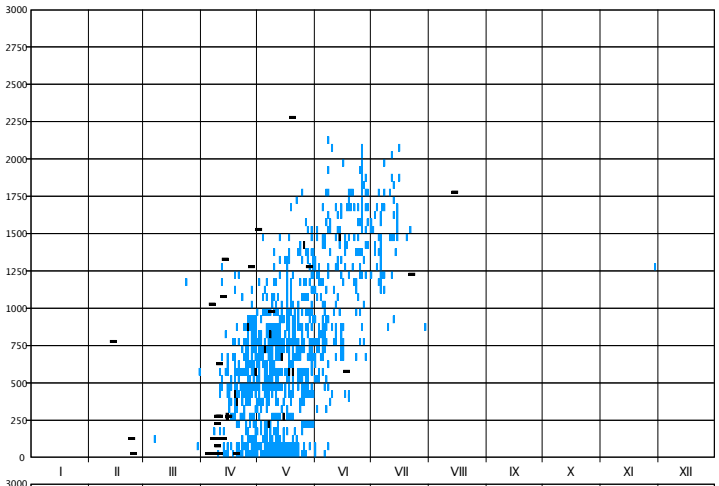


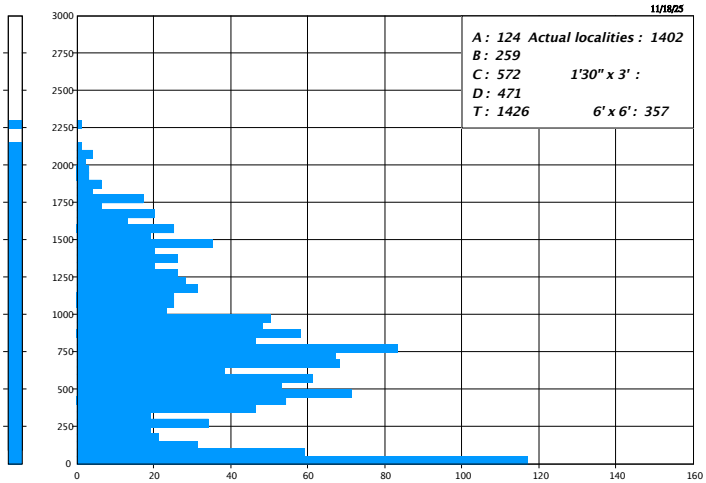


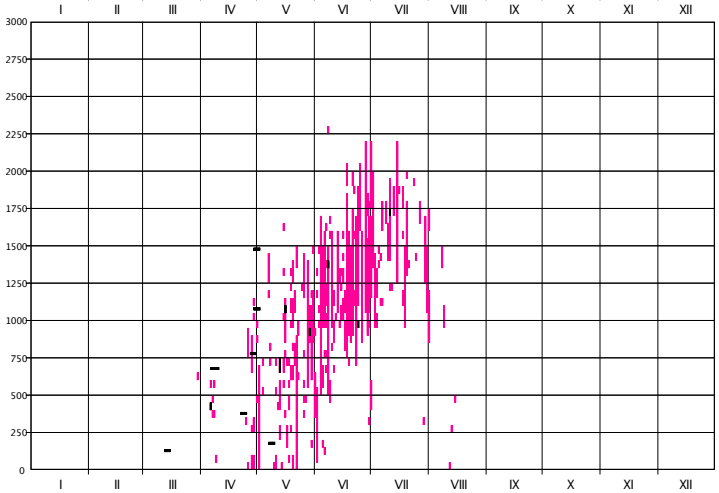


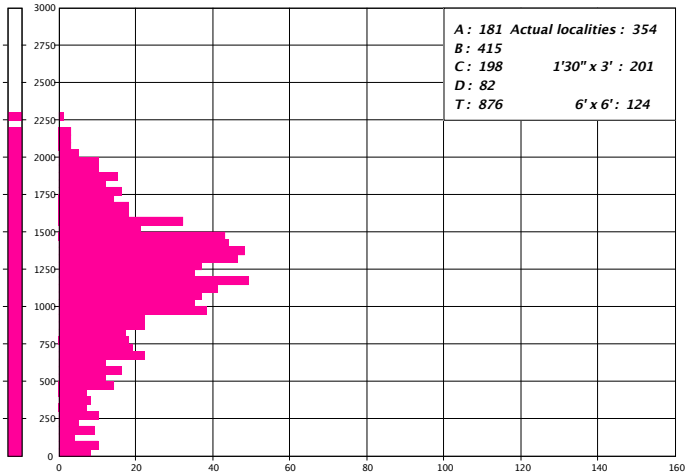
NYMPHALIDAE *Boloria dia*

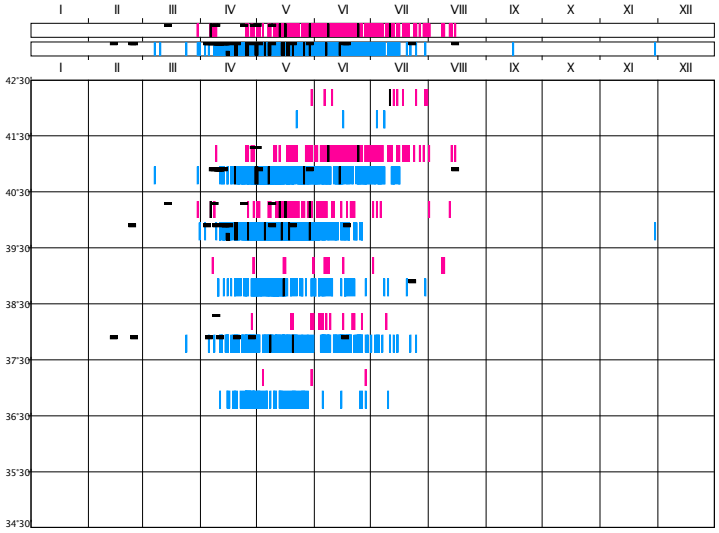




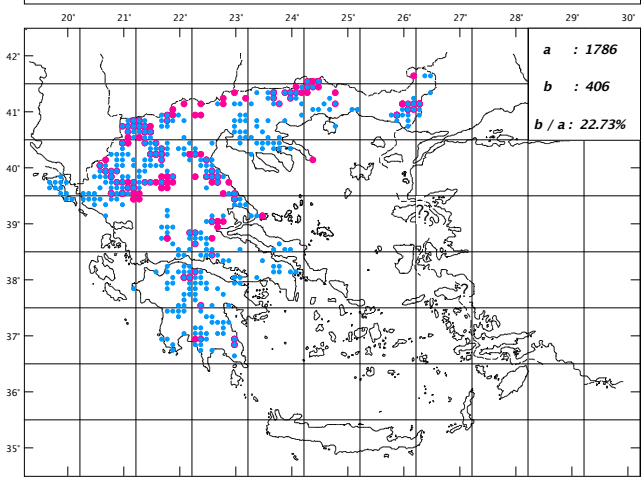


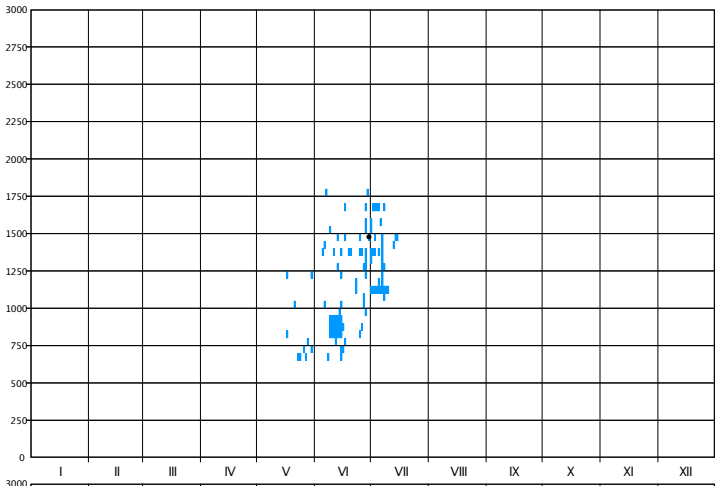


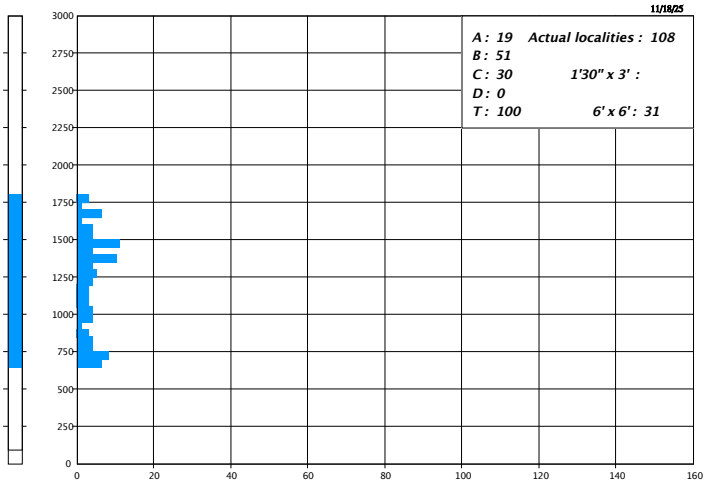


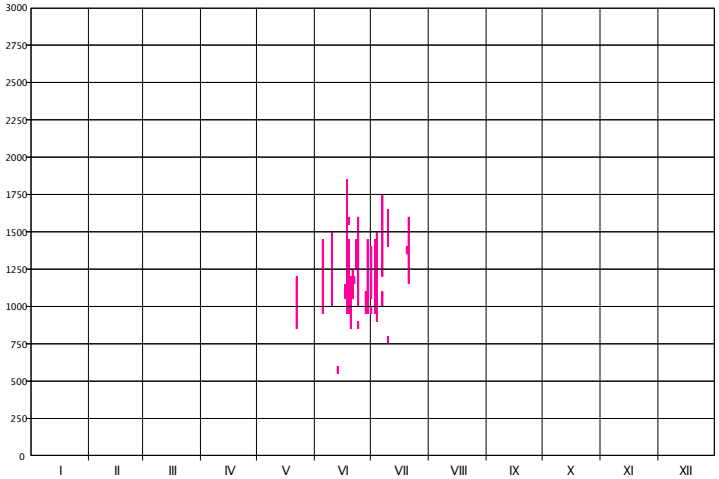


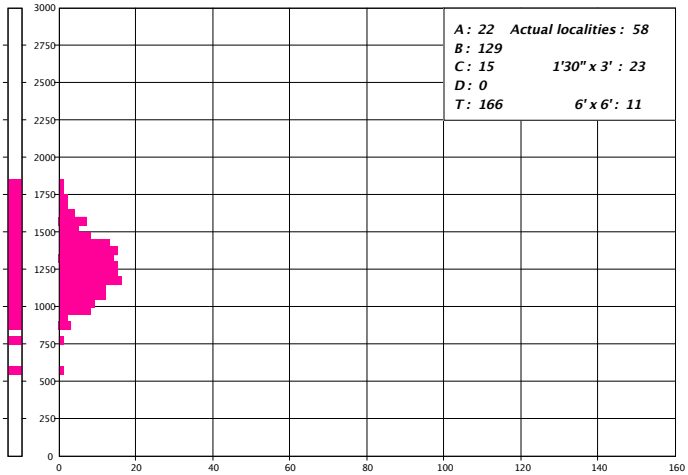
NYMPHALIDAE *Melitaea cinxia*

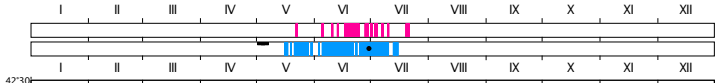




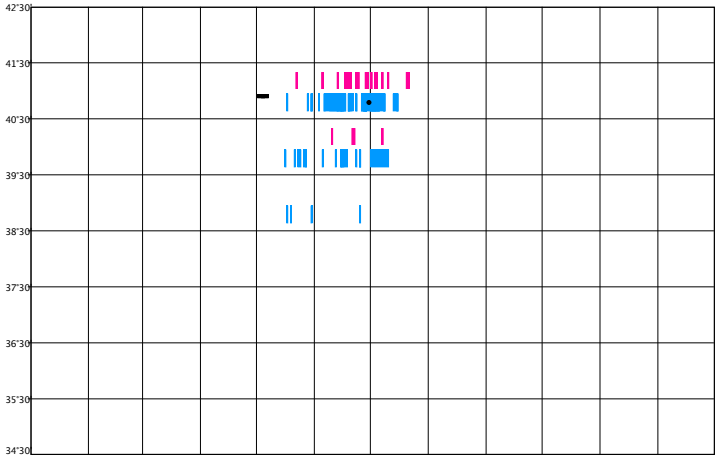


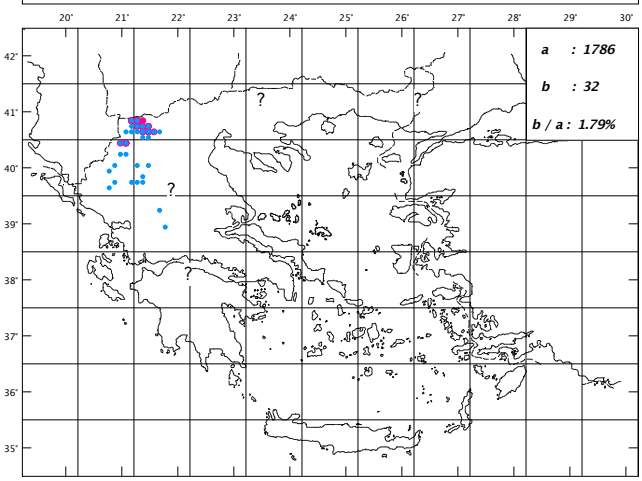


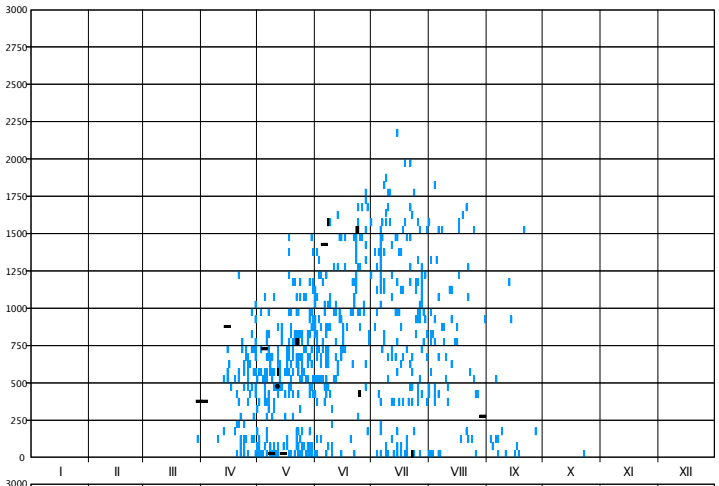


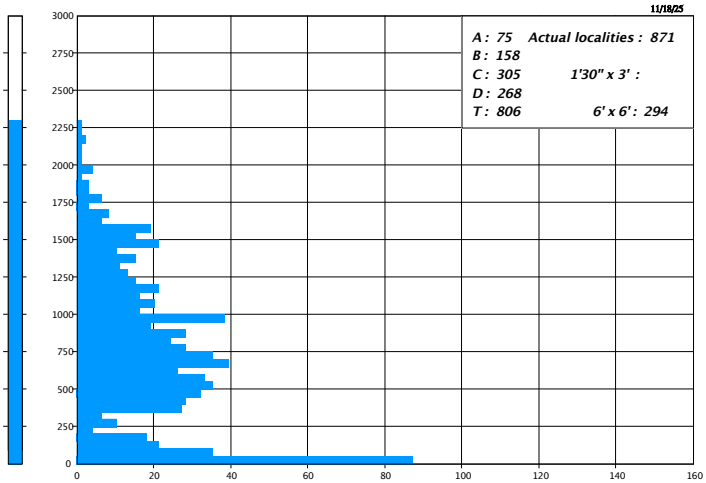


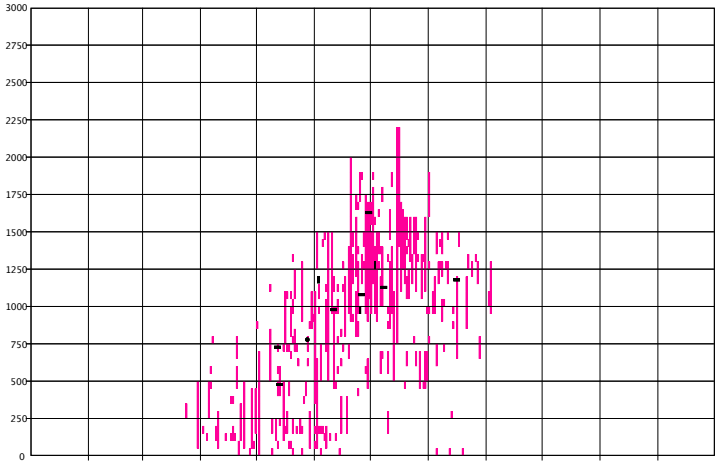
NYMPHALIDAE *Melitaea arduinna*

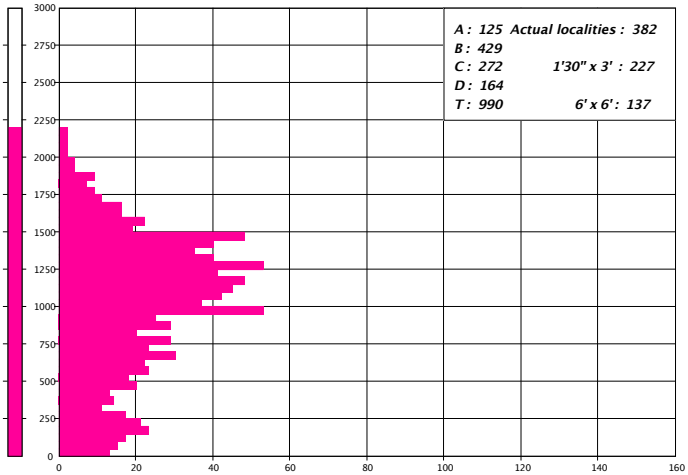


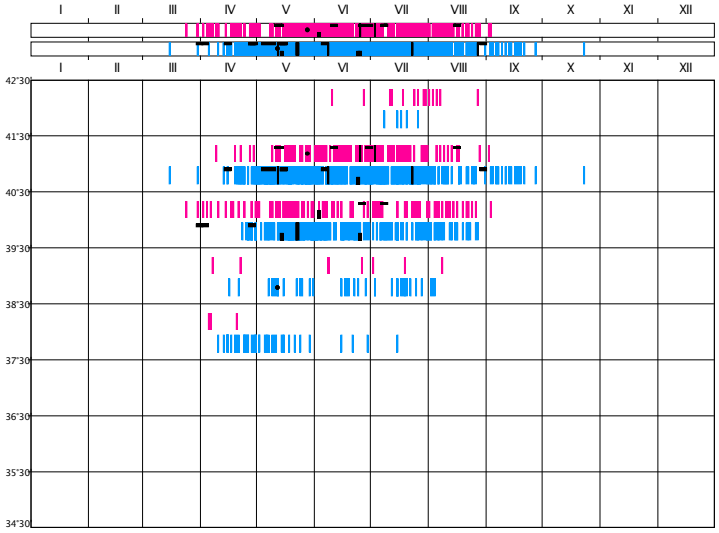




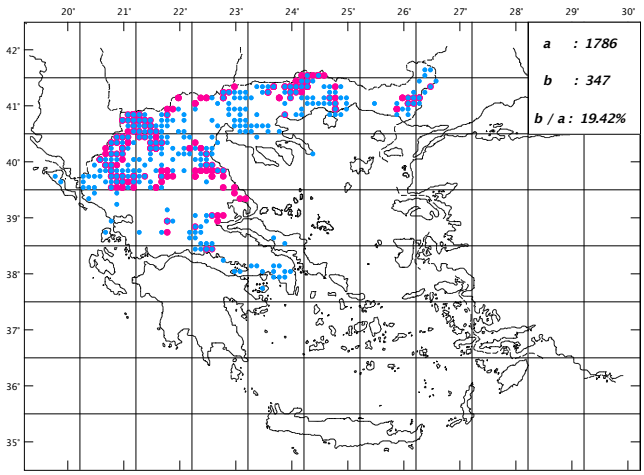


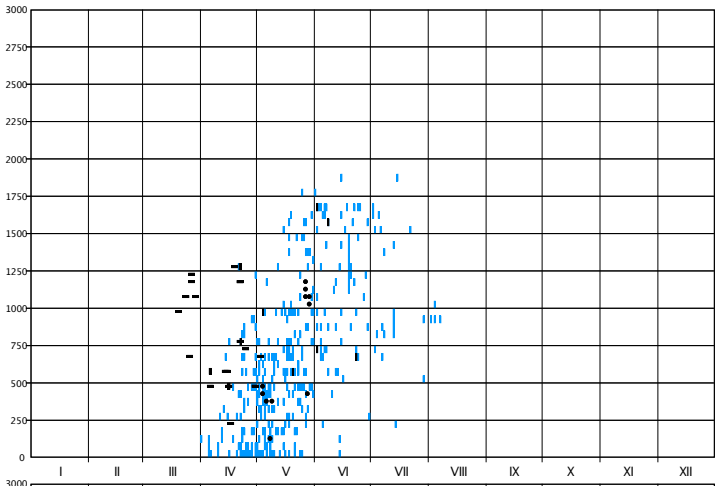


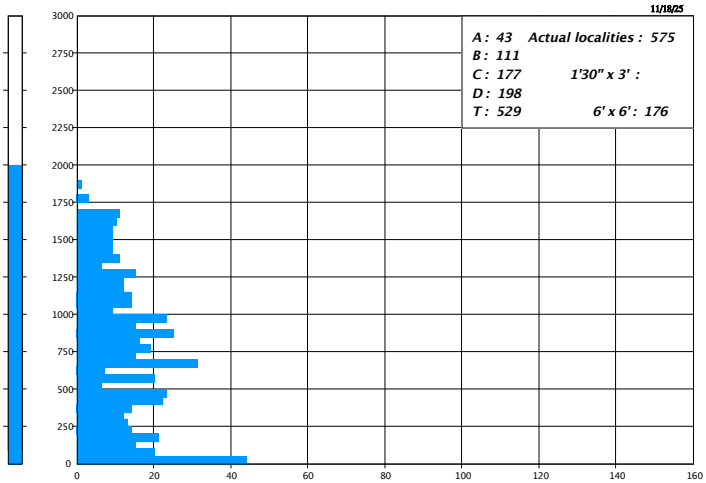


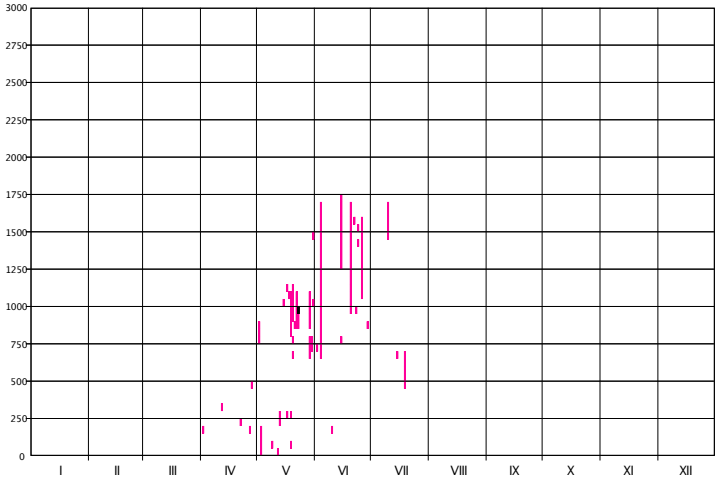


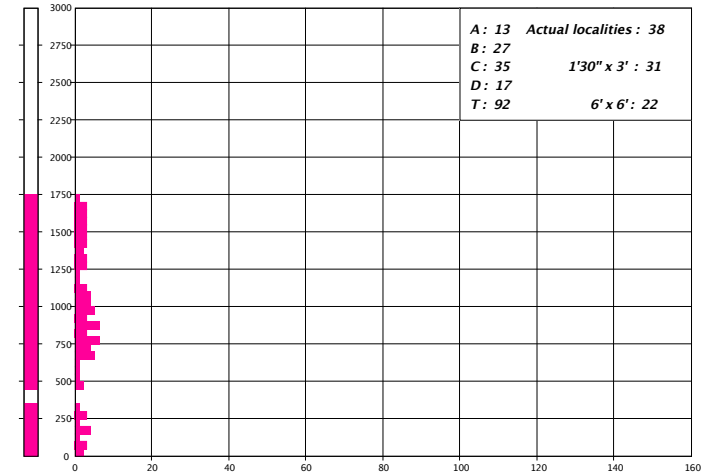
NYMPHALIDAE *Melitaea phoebe*

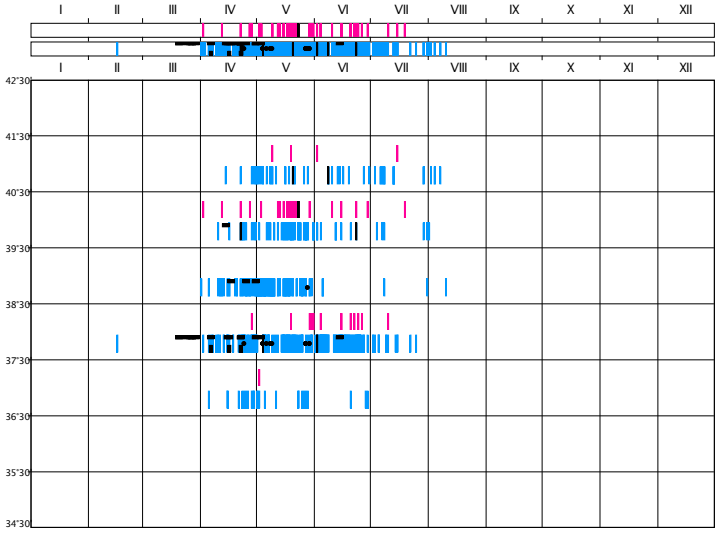




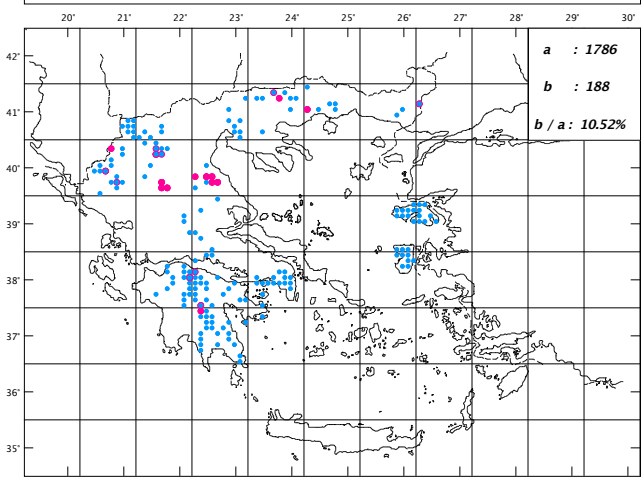


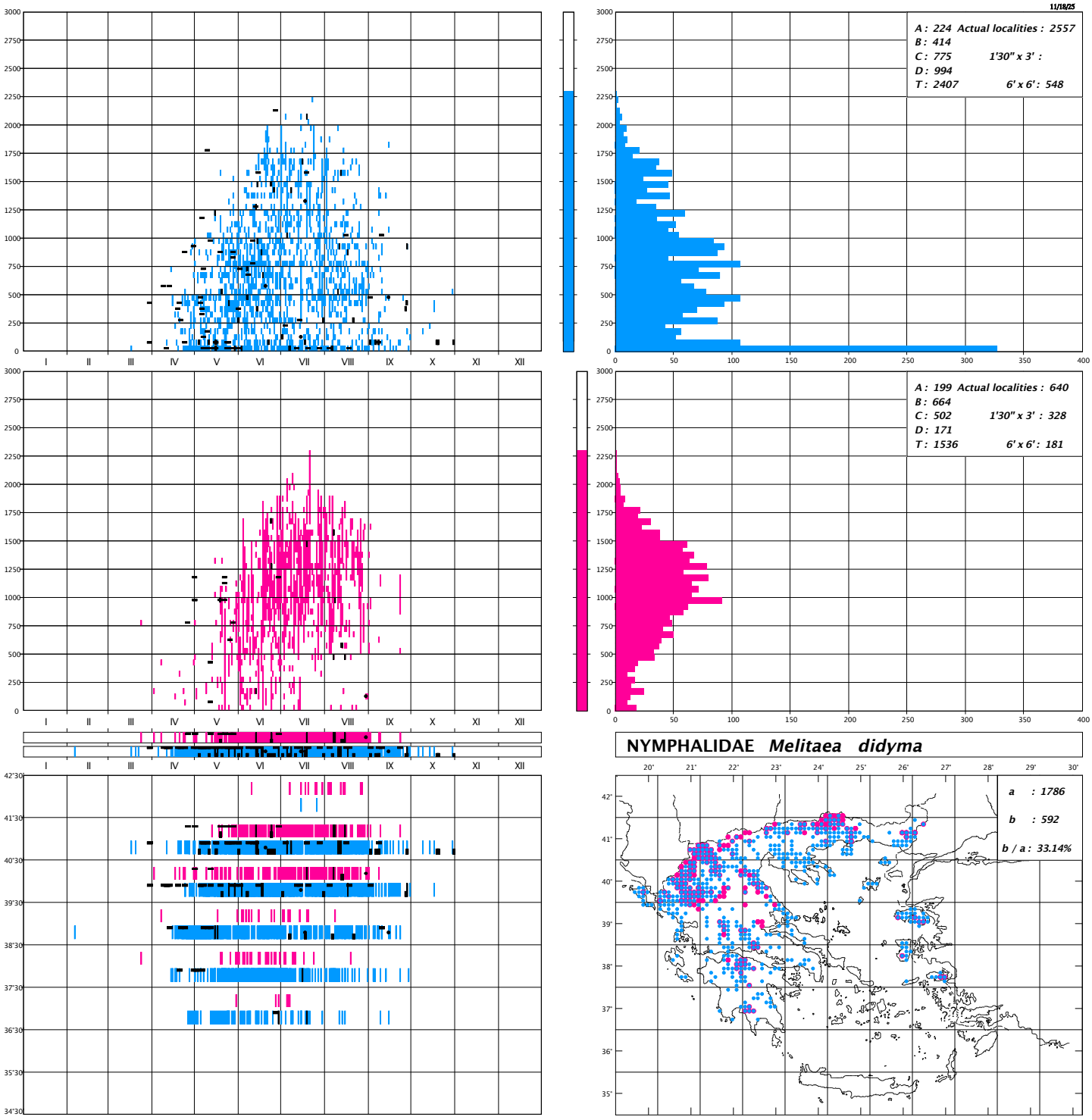


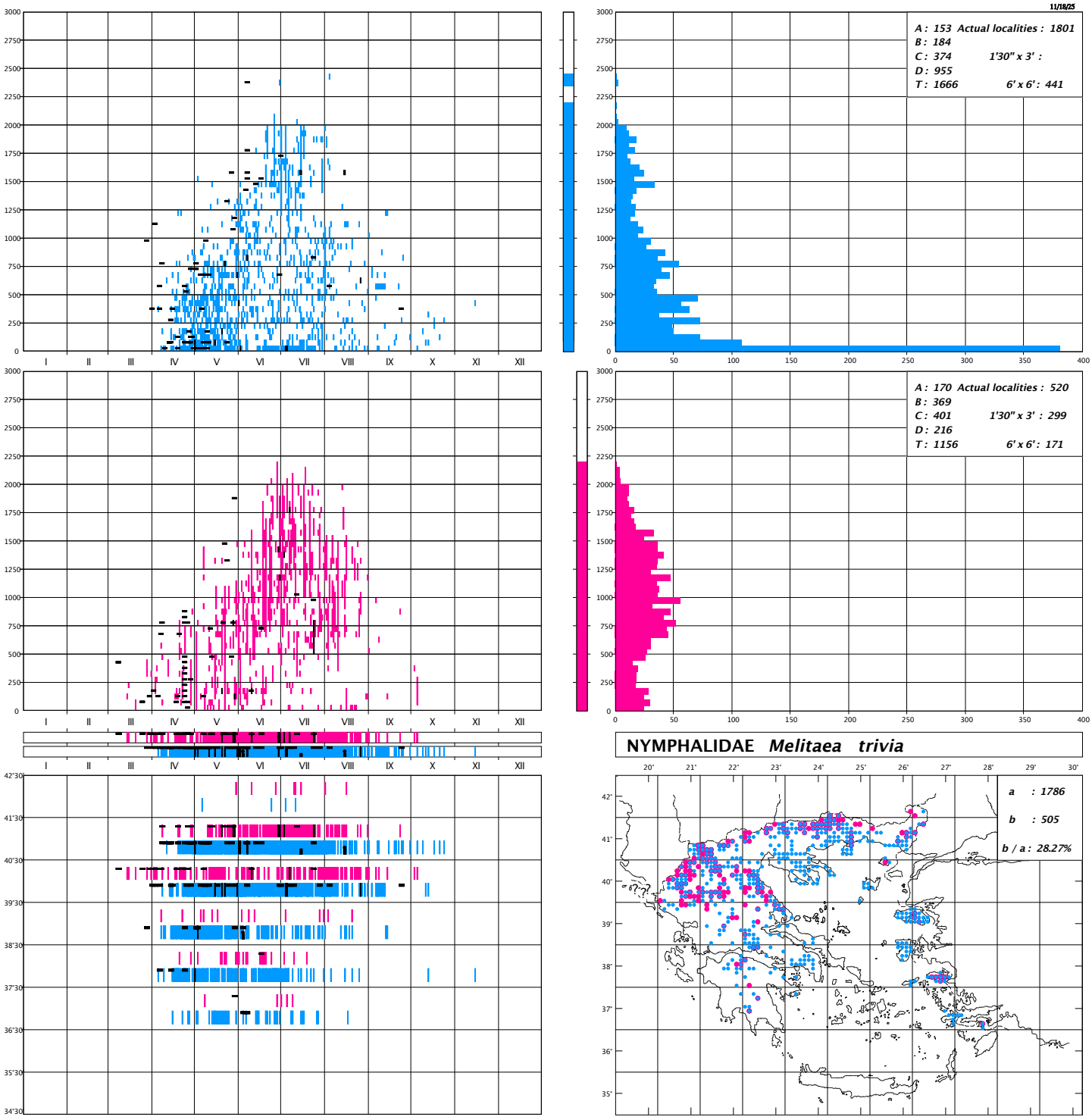


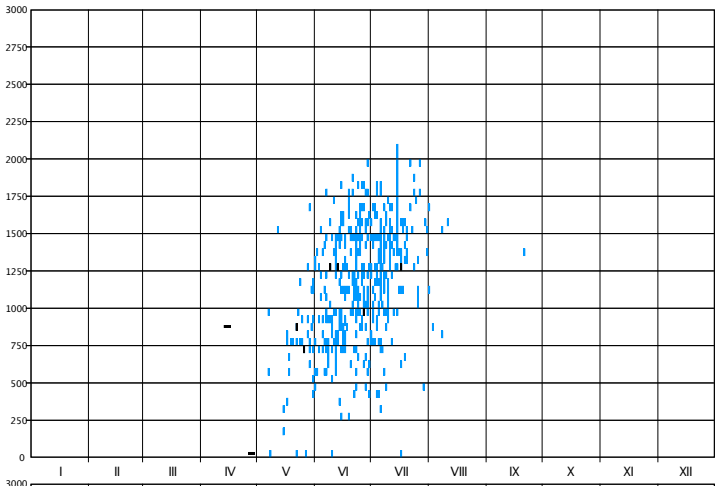


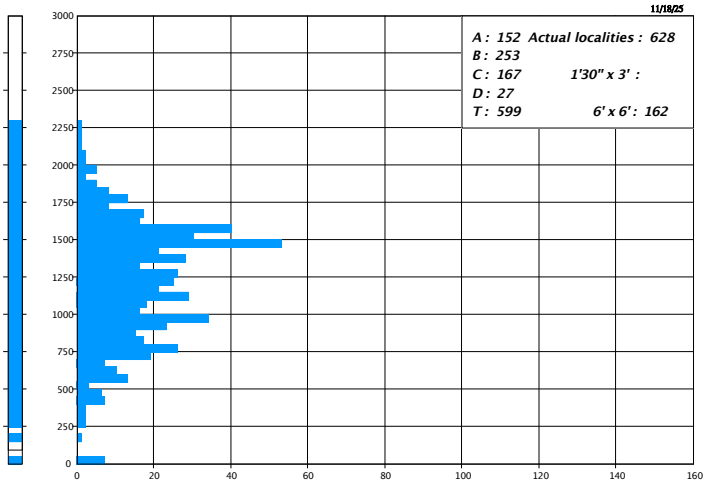
NYMPHALIDAE *Melitaea ornata*

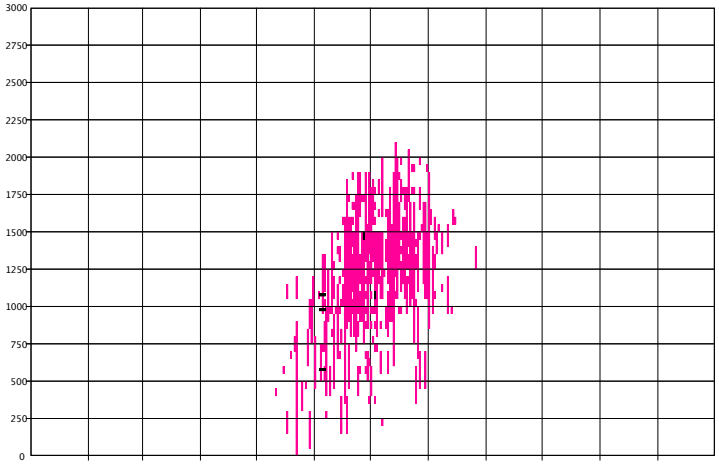


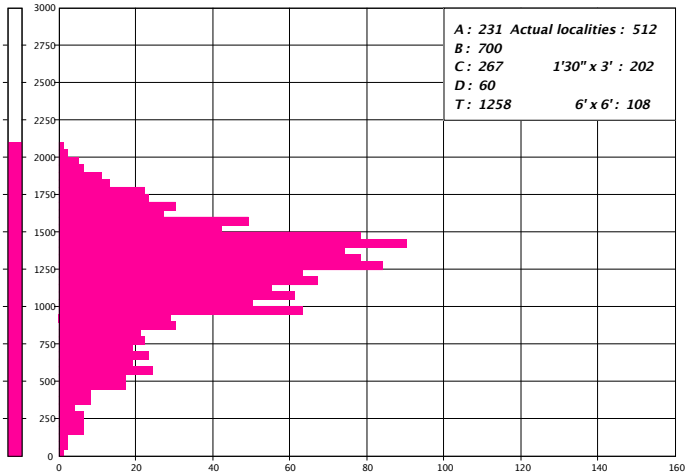

11/18/25
A : 224 Actual localities : 2557
B : 414
C : 775 1'30" x 3' :
D : 994
T : 2407 6' x 6' : 548
A : 199 Actual localities : 640
B : 664
C : 502 1'30" x 3' : 328
D : 171
T : 1536 6' x 6' : 181
NYMPHALIDAE Melitaea didyma
a : 1786
b : 592
b / a : 33.14%

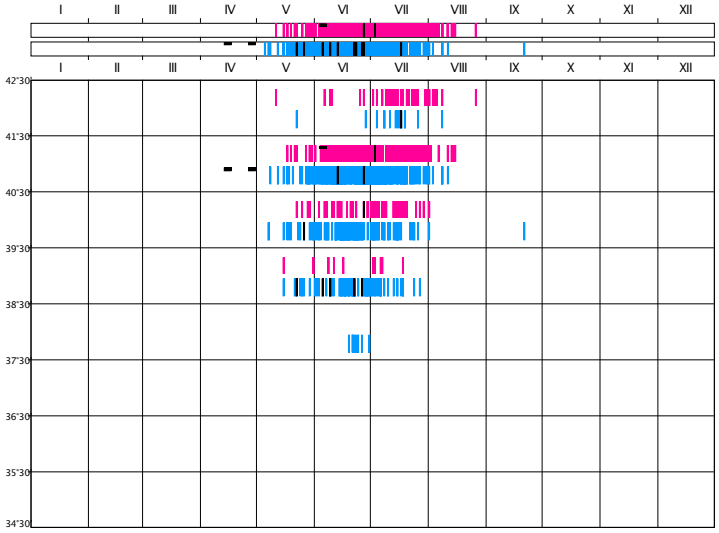

11/18/25
A : 153 Actual localities : 1801
B : 184
C : 374 1'30" x 3' :
D : 955
T : 1666 6' x 6' : 441
A : 170 Actual localities : 520
B : 369
C : 401 1'30" x 3' : 299
D : 216
T : 1156 6' x 6' : 171
NYMPHALIDAE Melitaea trivia
a : 1786
b : 505
b / a : 28.27%



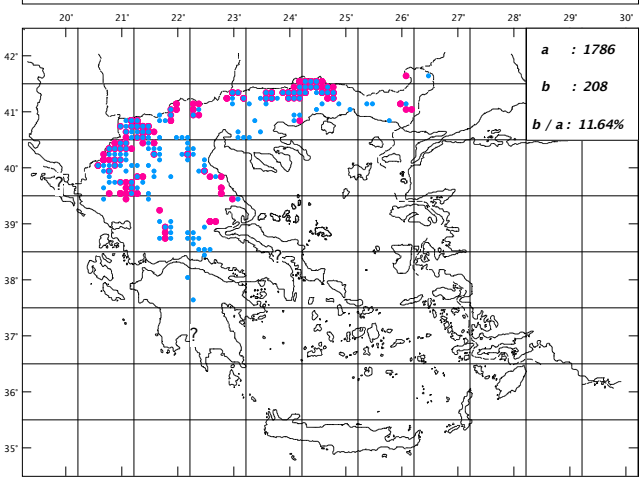


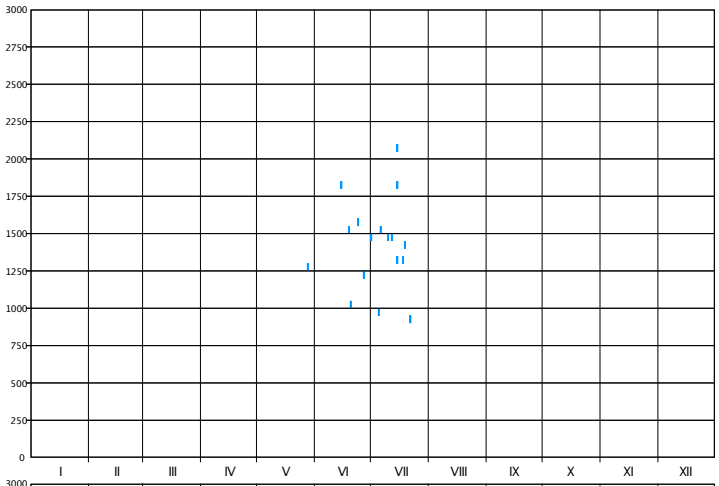


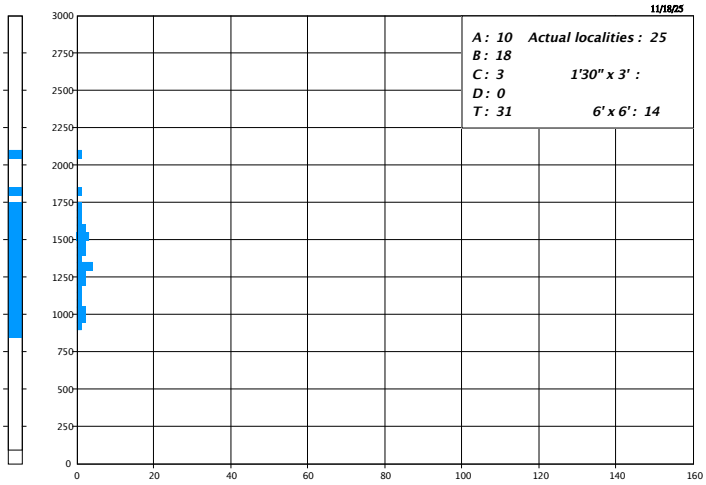


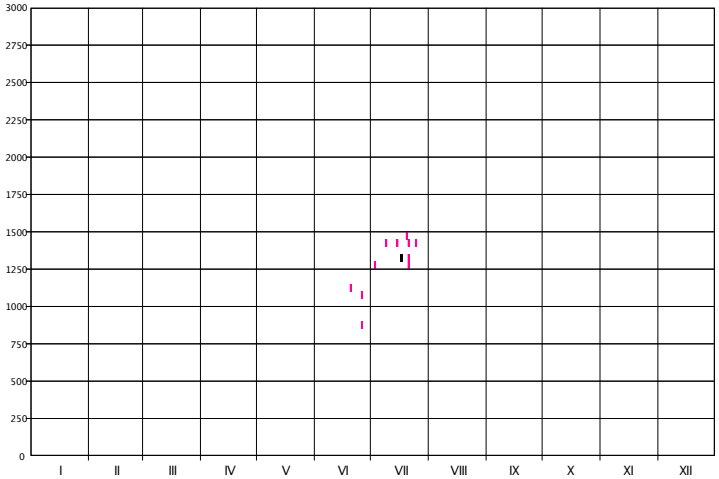


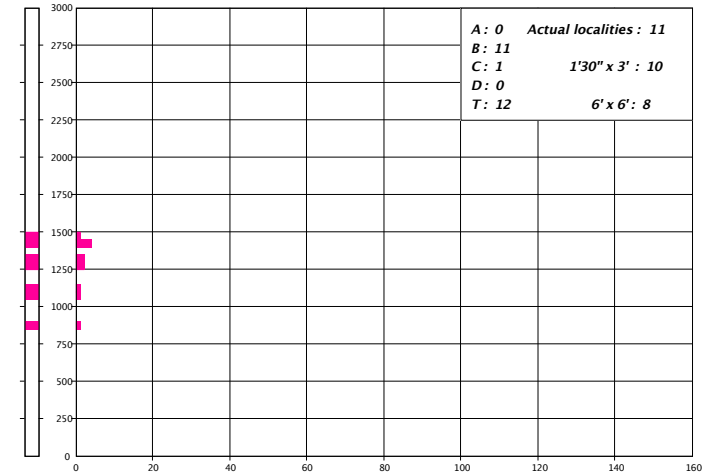
NYMPHALIDAE *Melitaea athalia*

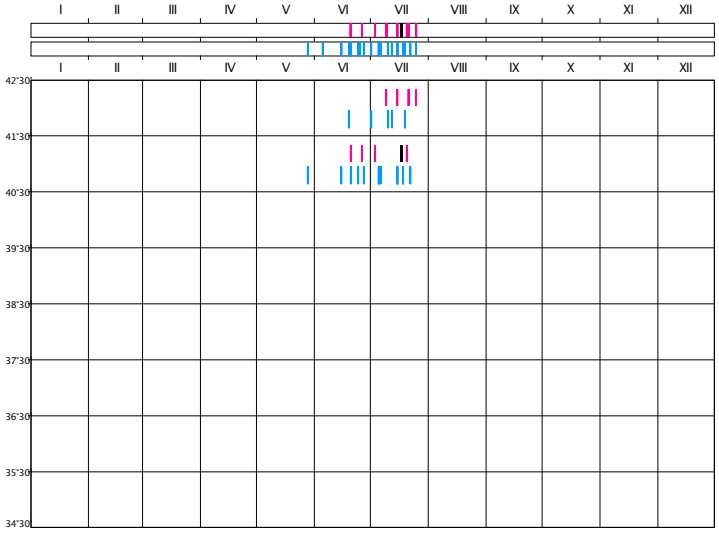




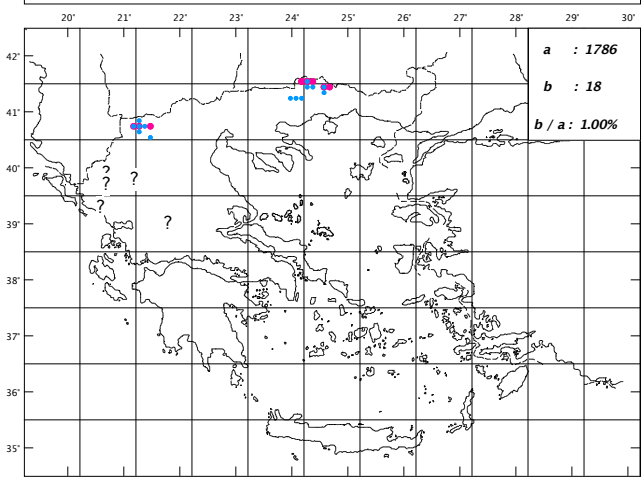


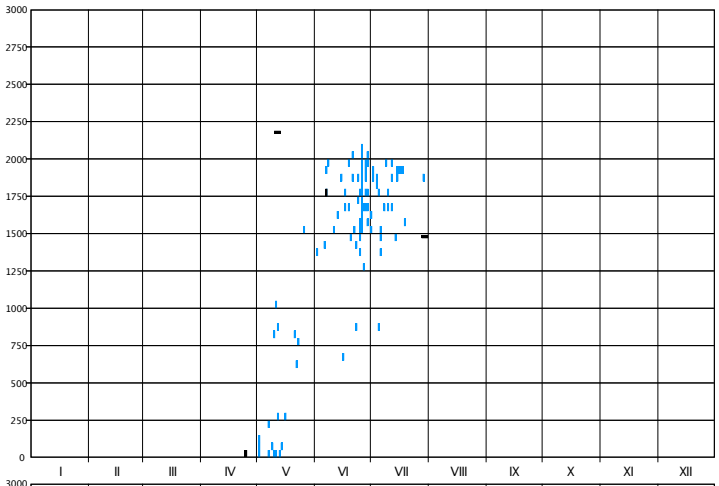


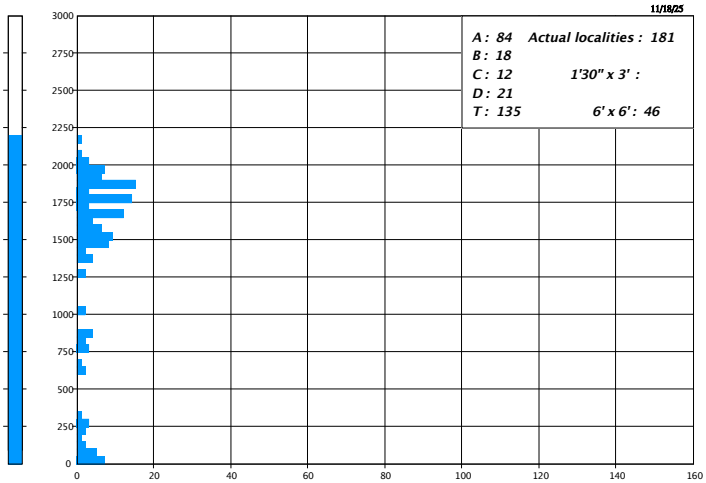


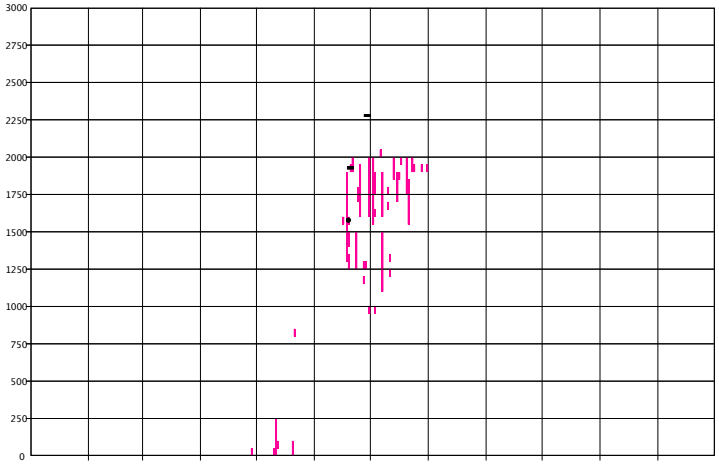


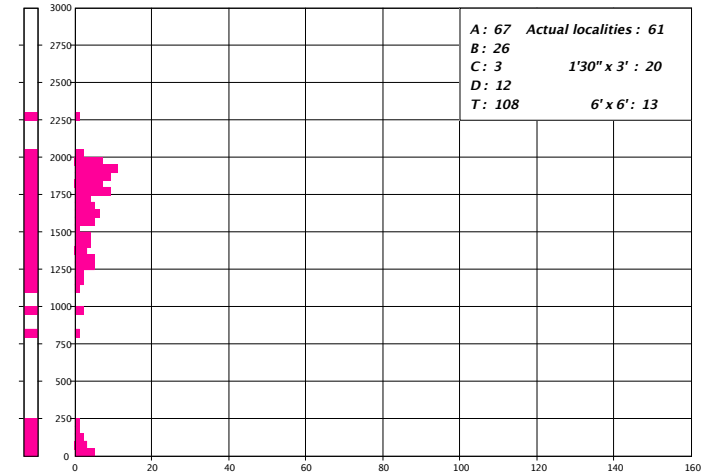
NYMPHALIDAE *Melitaea aurelia*

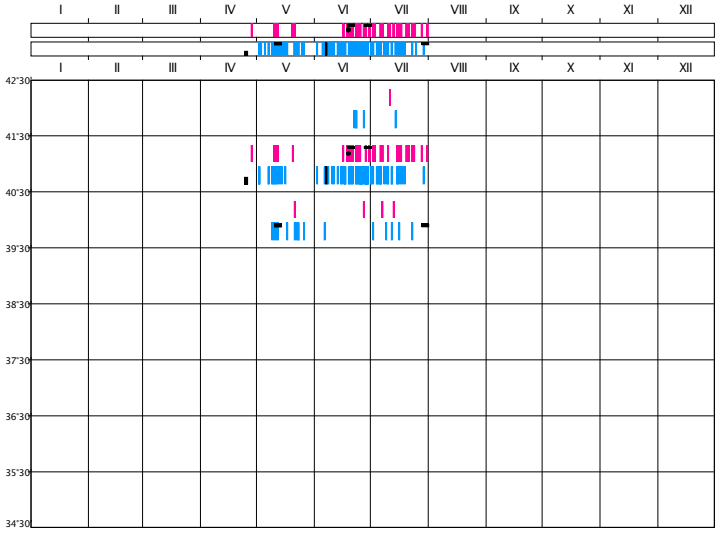




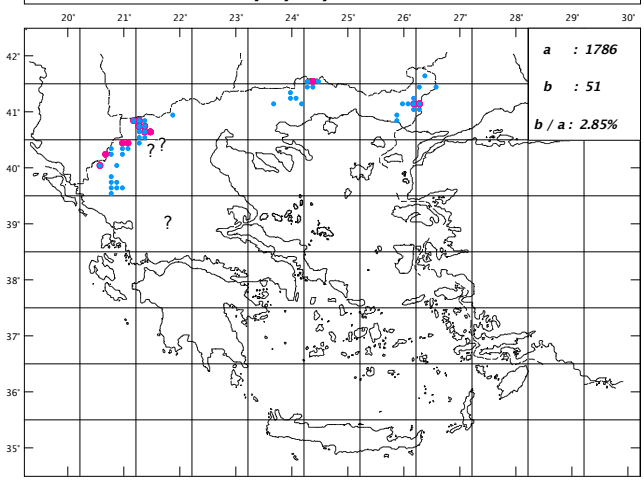


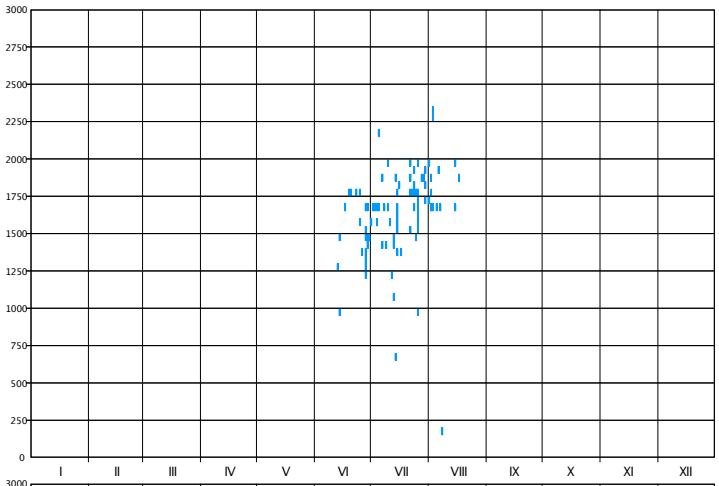


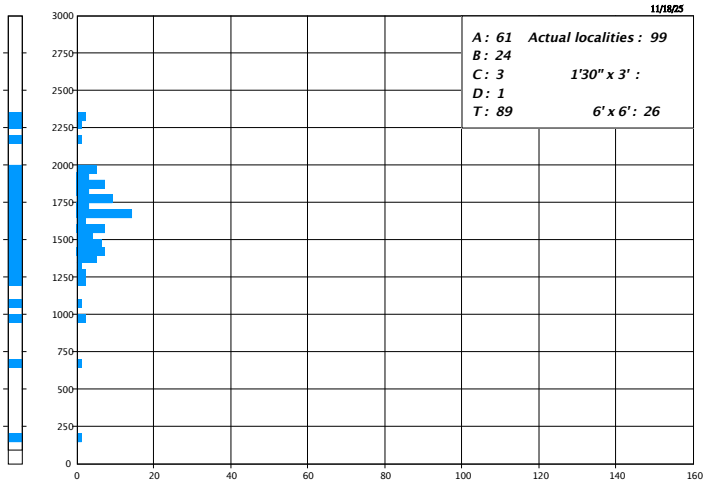


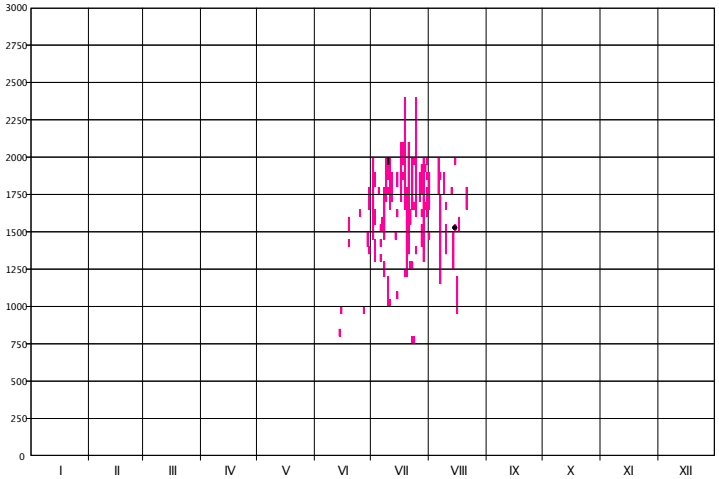


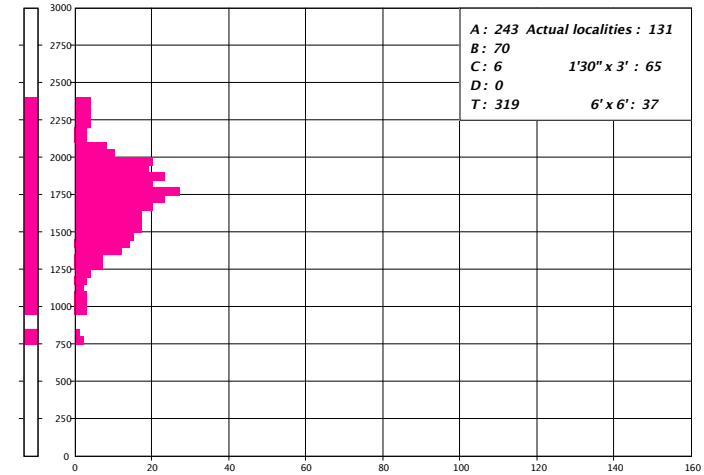
NYMPHALIDAE *Euphydryas aurinia*

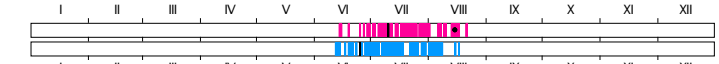




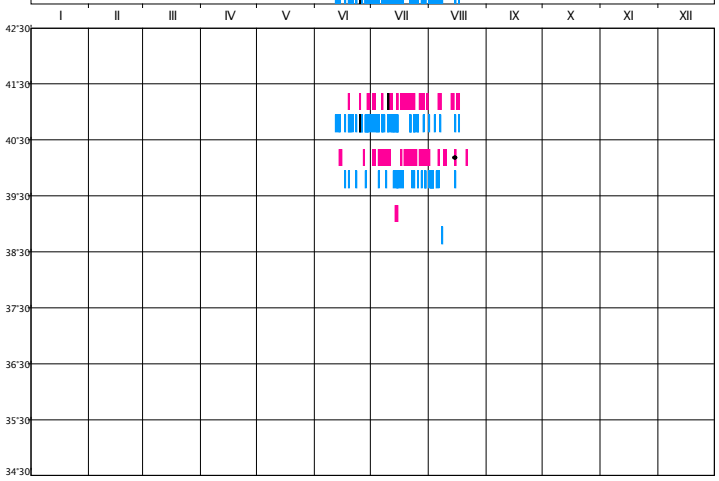


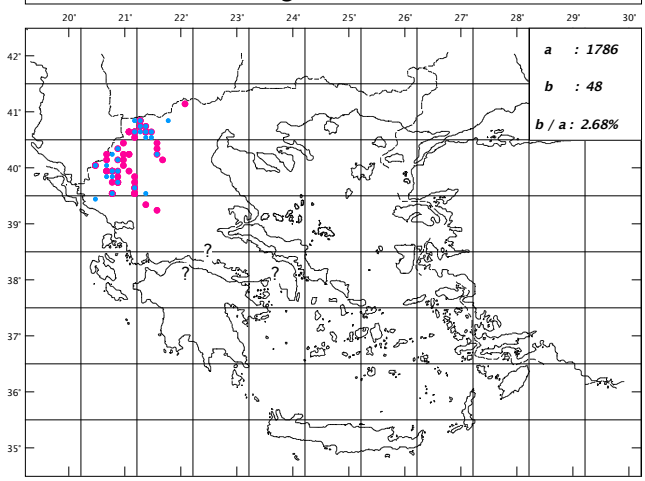


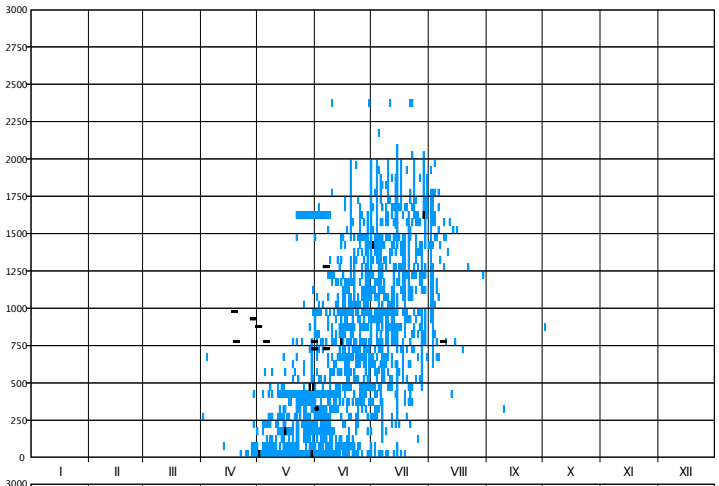


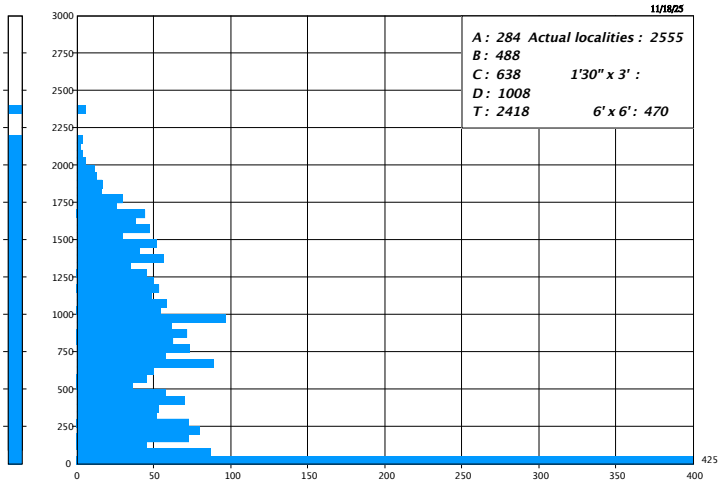


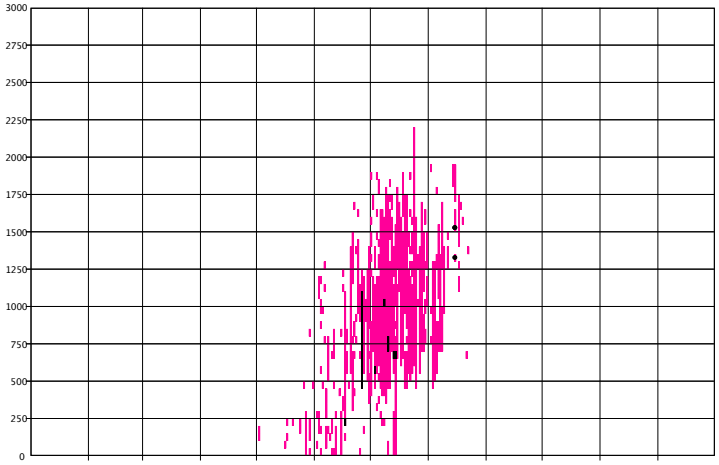
SATYRIDAE *Melanargia russiae*

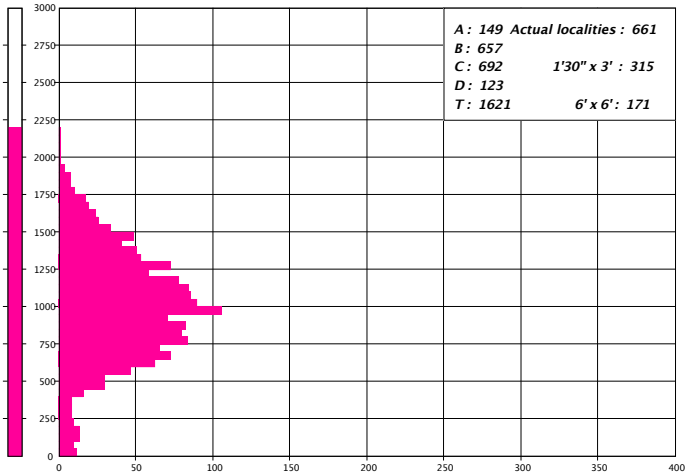


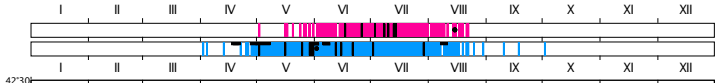




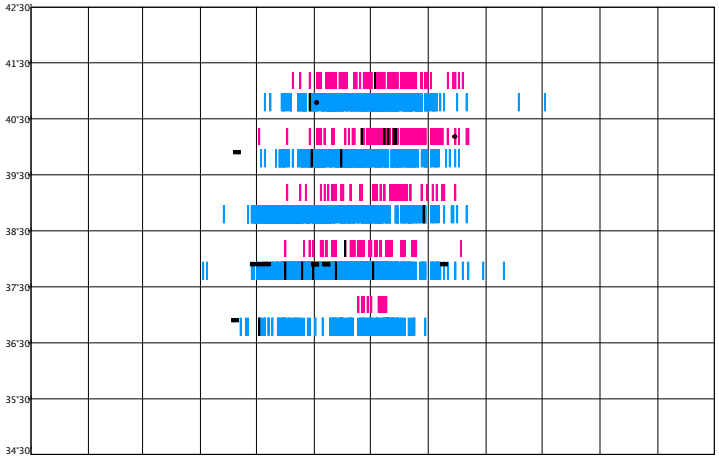


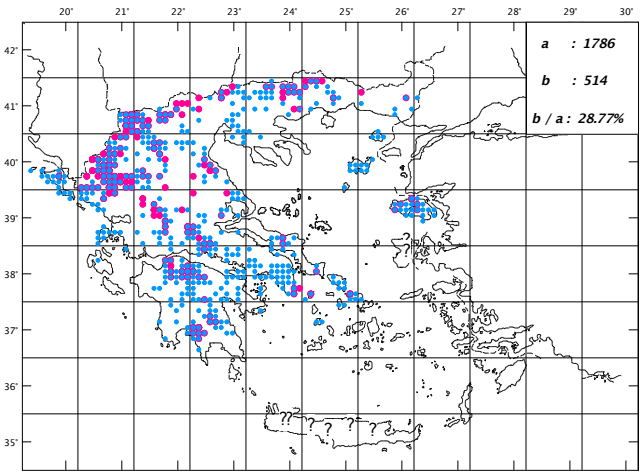


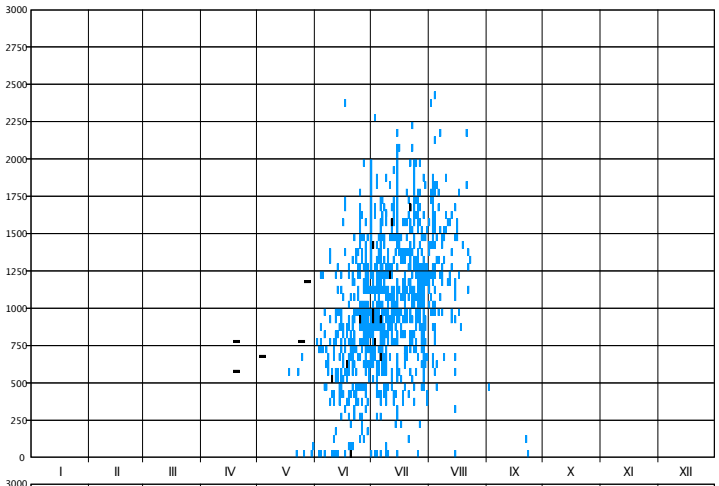


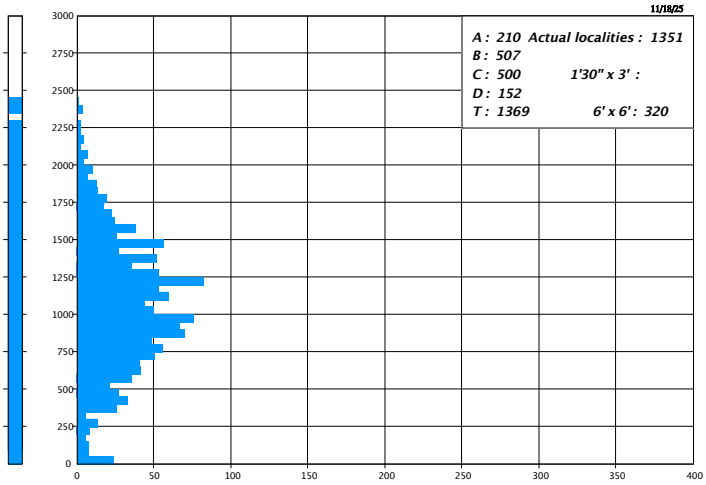


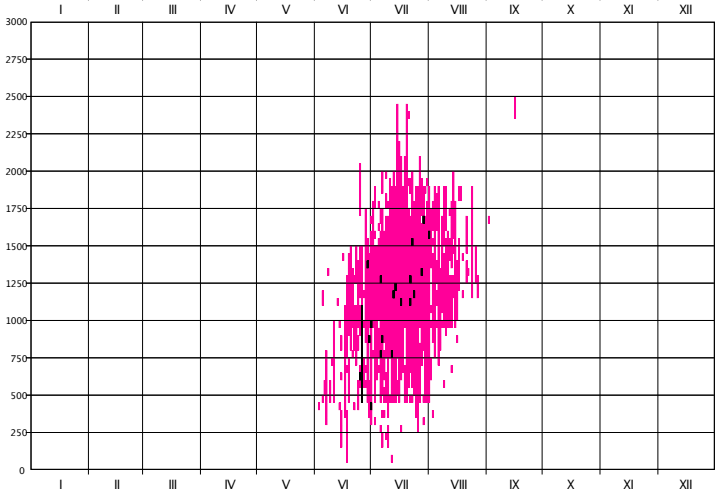
SATYRIDAE *Melanargia larissa*

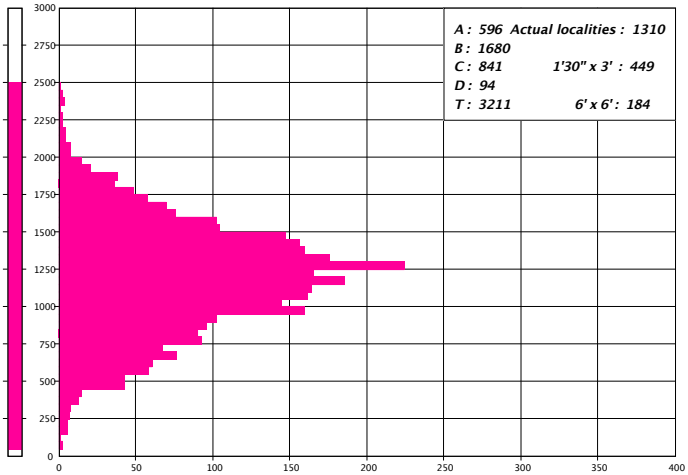


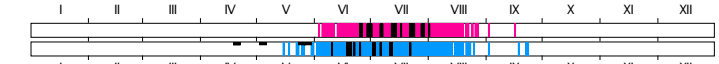




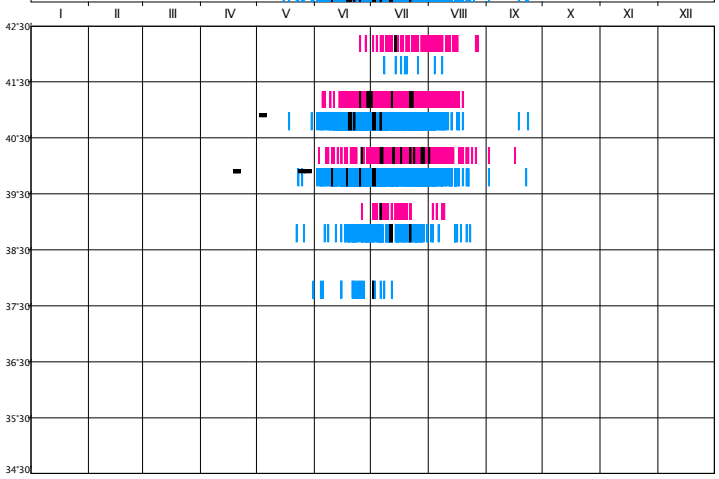


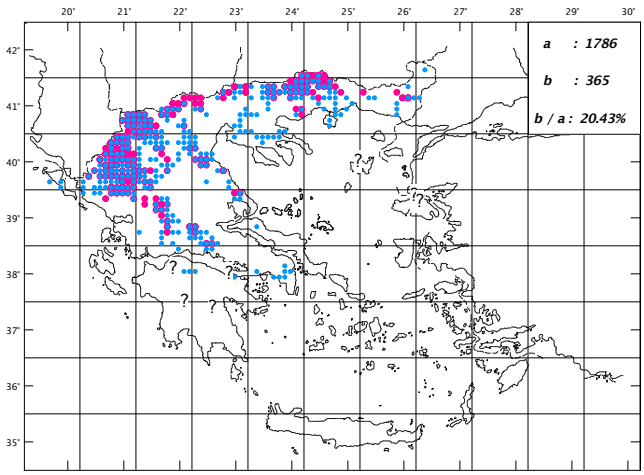


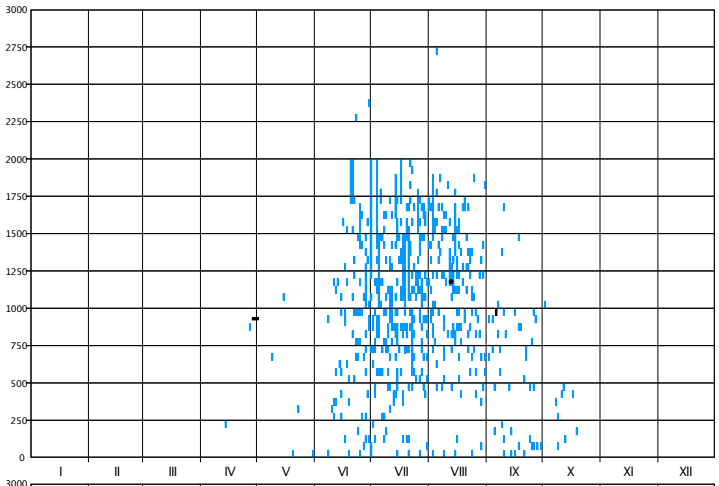


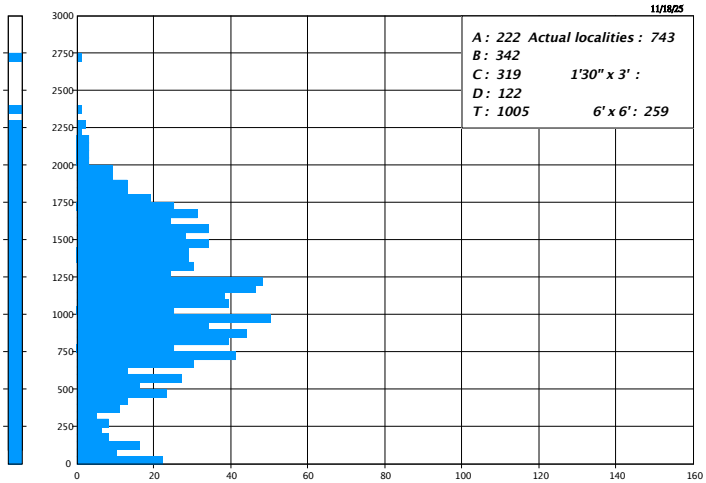


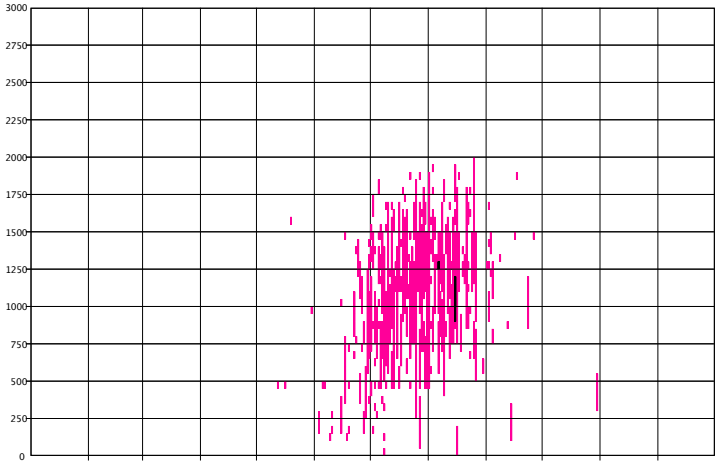
SATYRIDAE *Melanargia galathea*

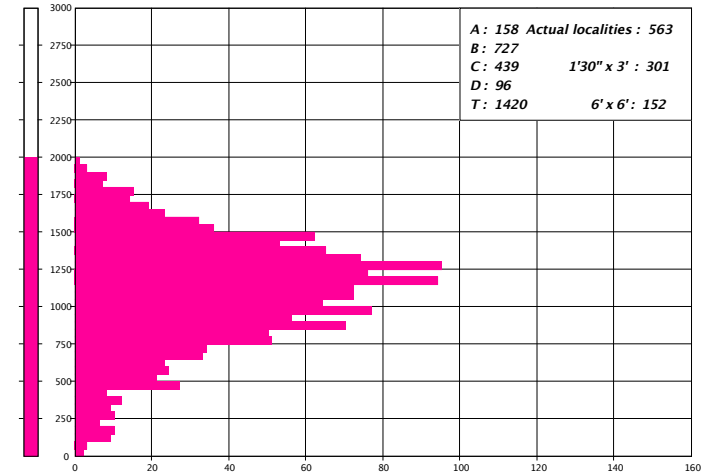


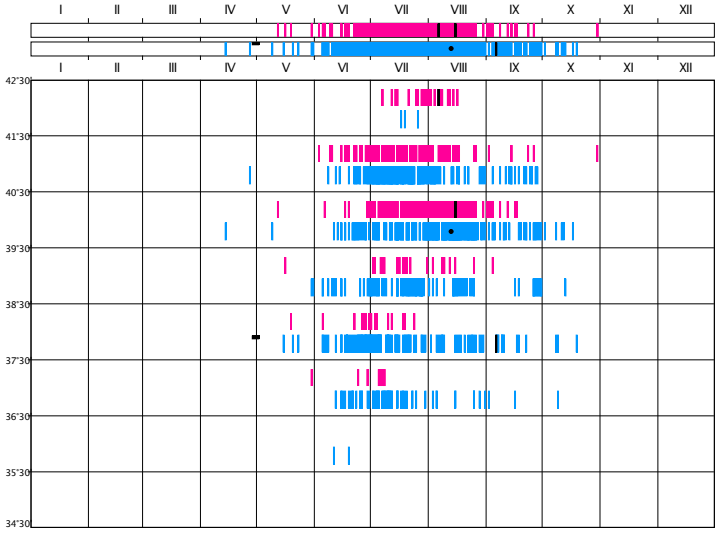




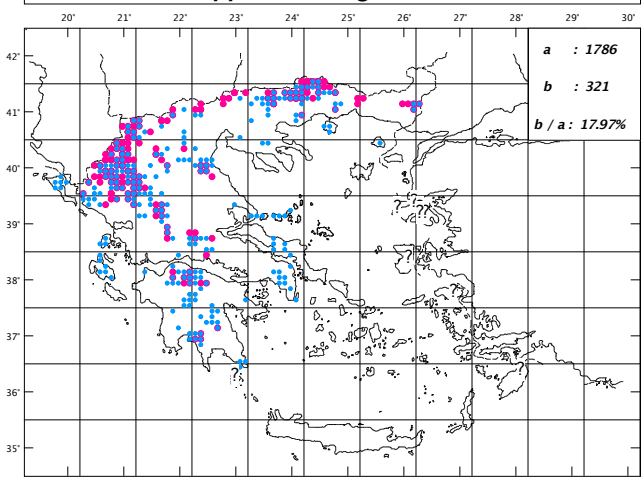


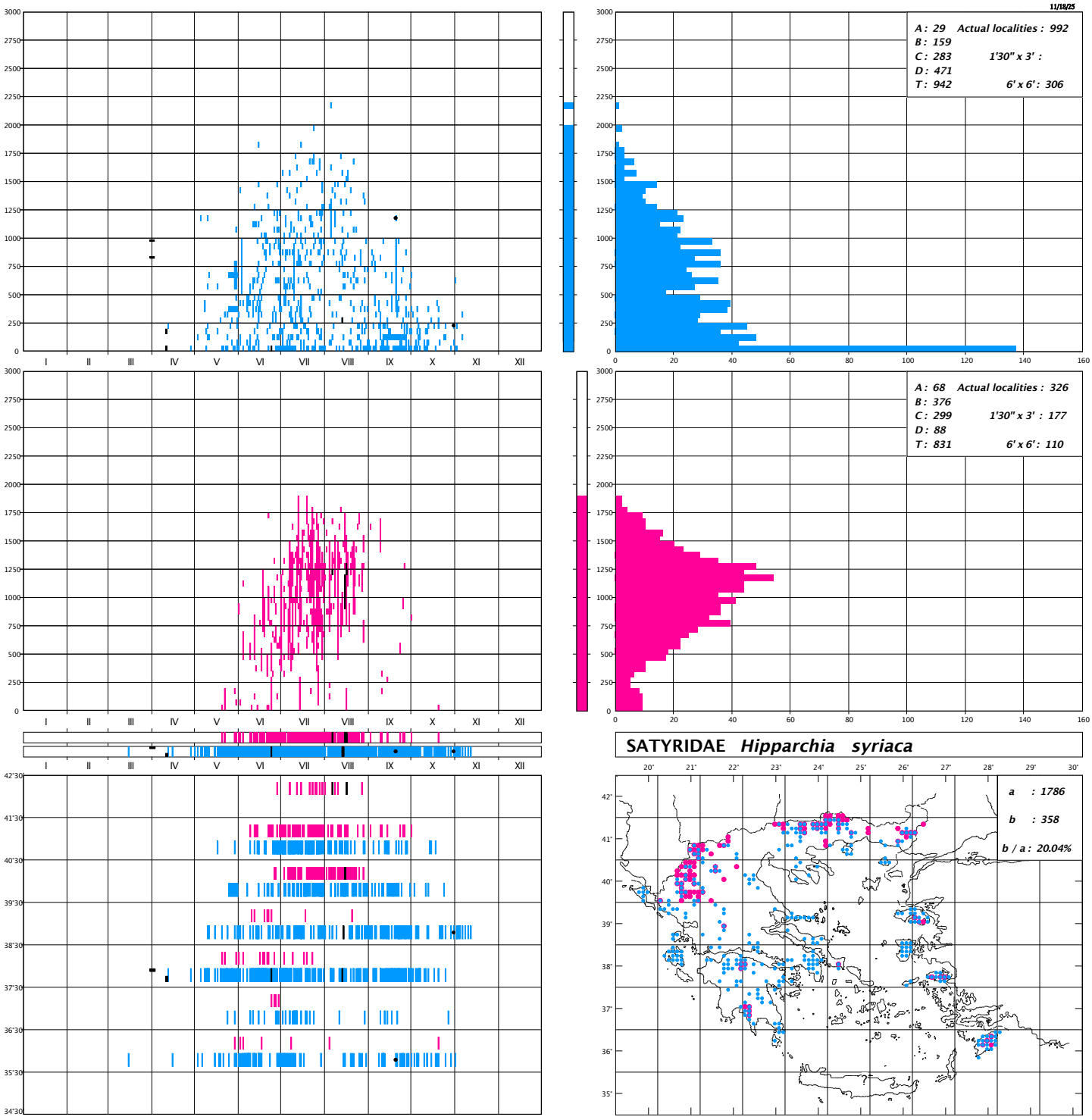


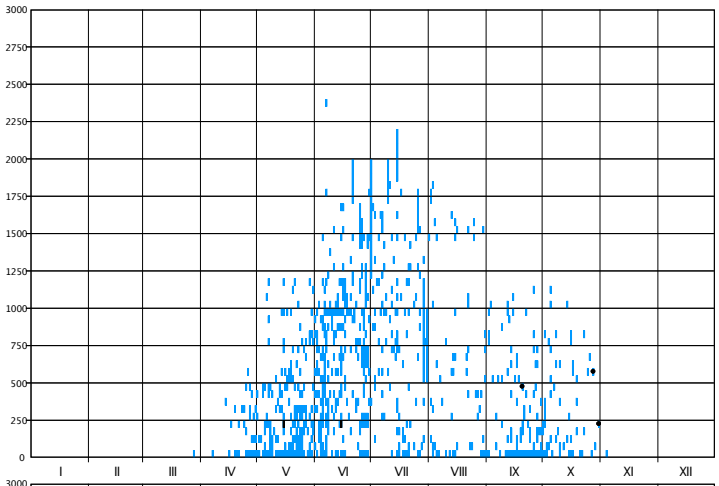


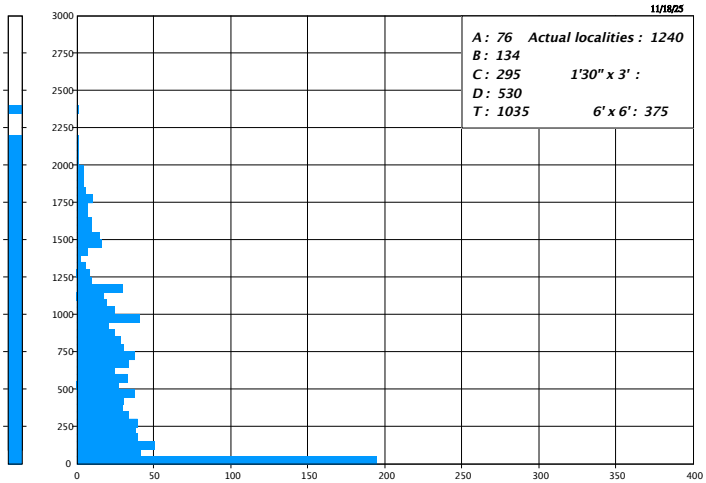


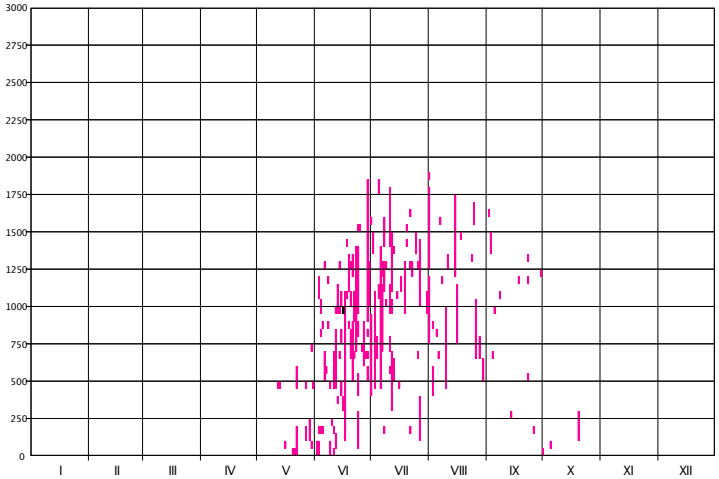
SATYRIDAE *Hipparchia fagi*

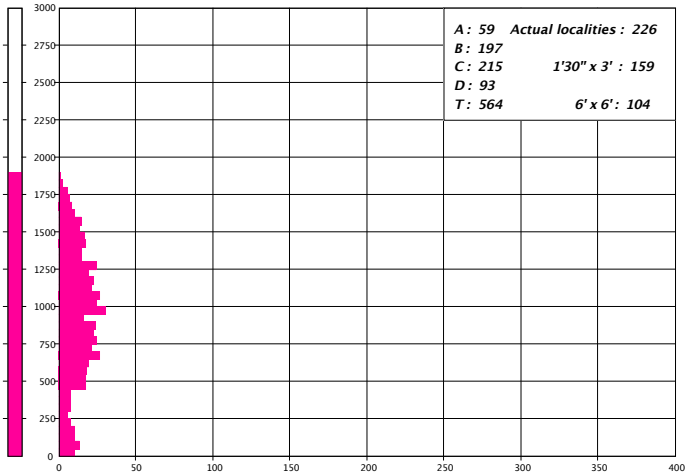


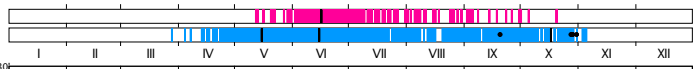

11/18/25
A : 29 Actual localities : 992
B : 159
C : 283 1'30" x 3' :
D : 471
T : 942 6' x 6' : 306
A : 68 Actual localities : 326
B : 376
C : 299 1'30" x 3' : 177
D : 88
T : 831 6' x 6' : 110
SATYRIDAE Hipparchia syriaca
a : 1786
b : 358
b / a : 20.04%



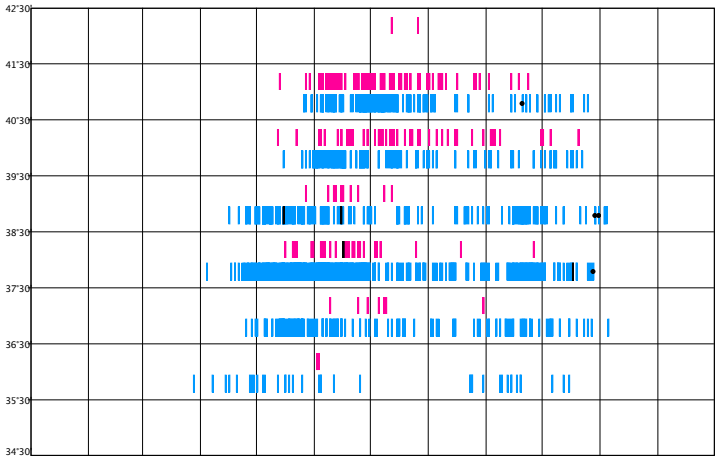


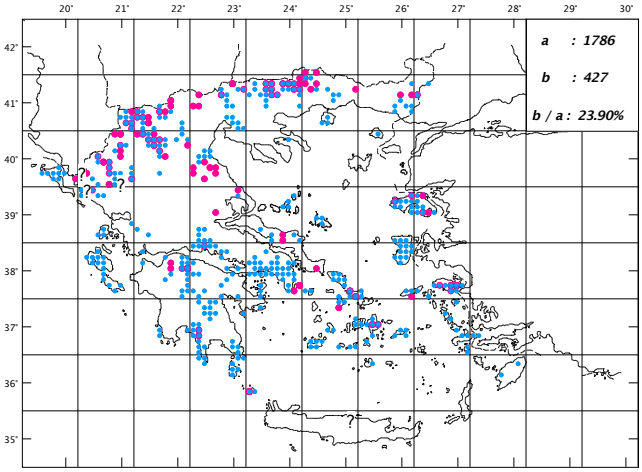


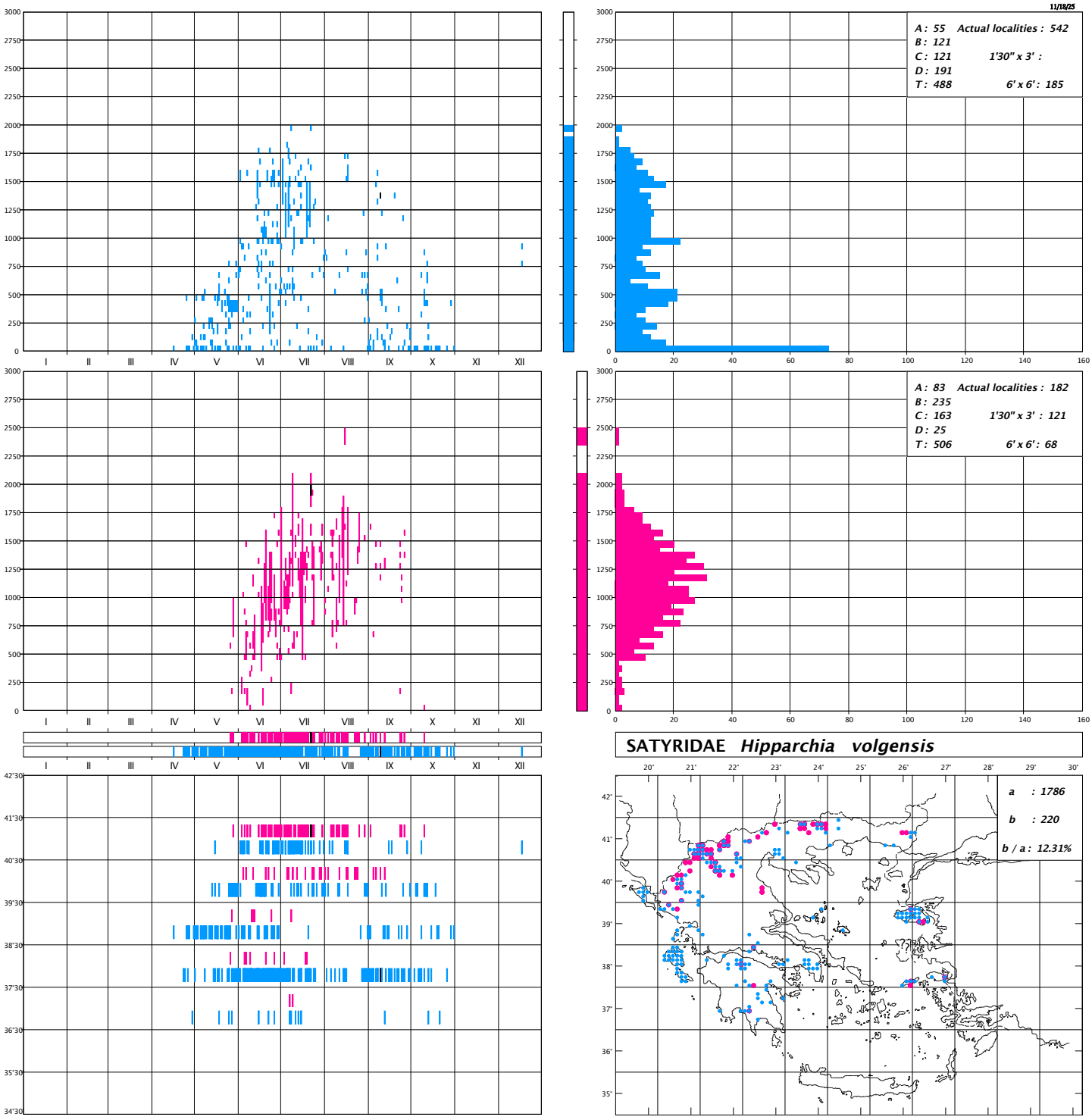


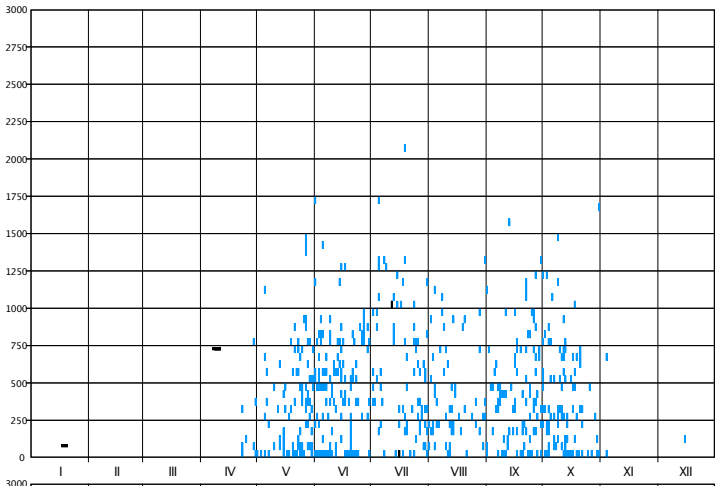


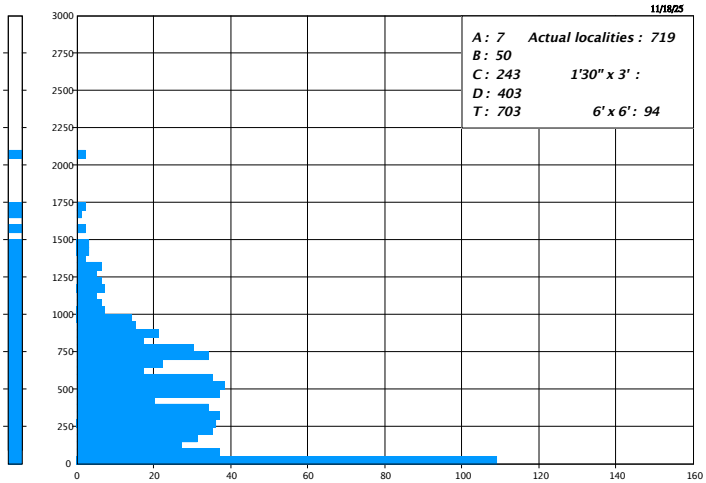
SATYRIDAE *Hipparchia senthes*

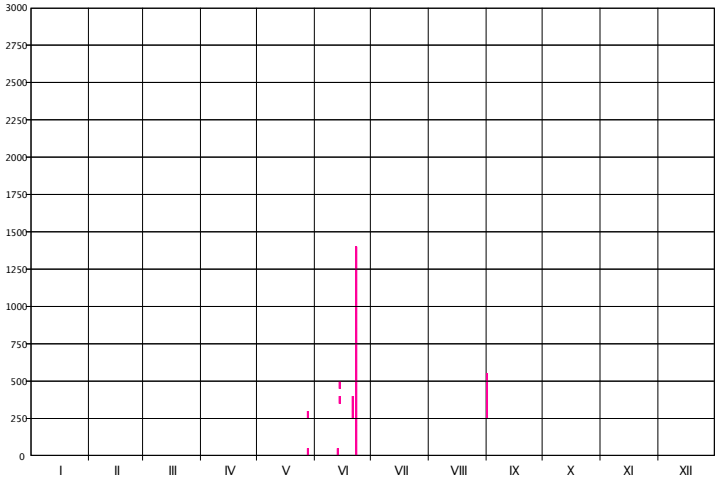


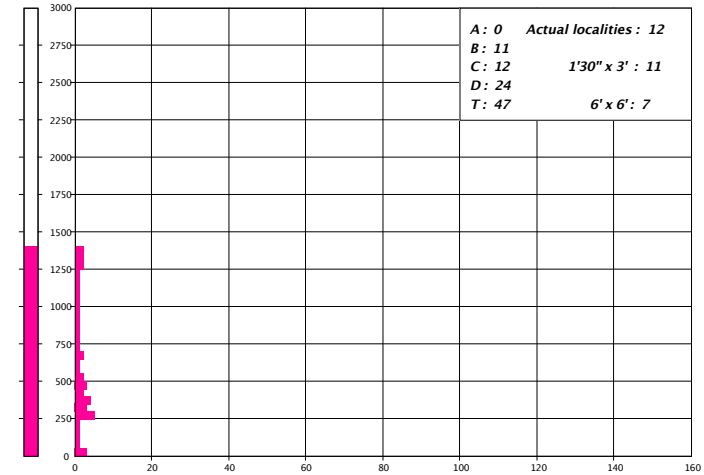


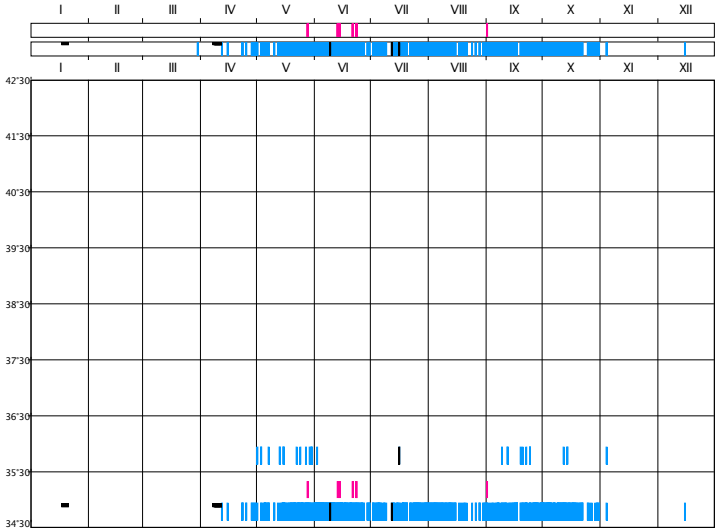

11/18/25
A : 55 Actual localities : 542
B : 121
C : 121 1'30" x 3' :
D : 191
T : 488 6' x 6' : 185
A : 83 Actual localities : 182
B : 235
C : 163 1'30" x 3' : 121
D : 25
T : 506 6' x 6' : 68
SATYRIDAE Hipparchia volgensis
a : 1786
b : 220
b / a : 12.31%



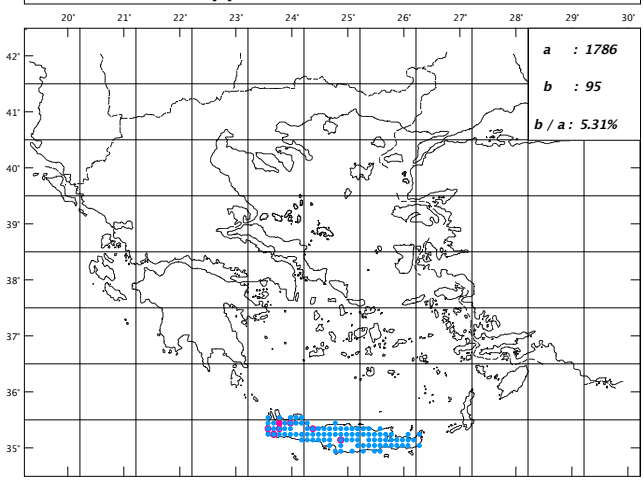


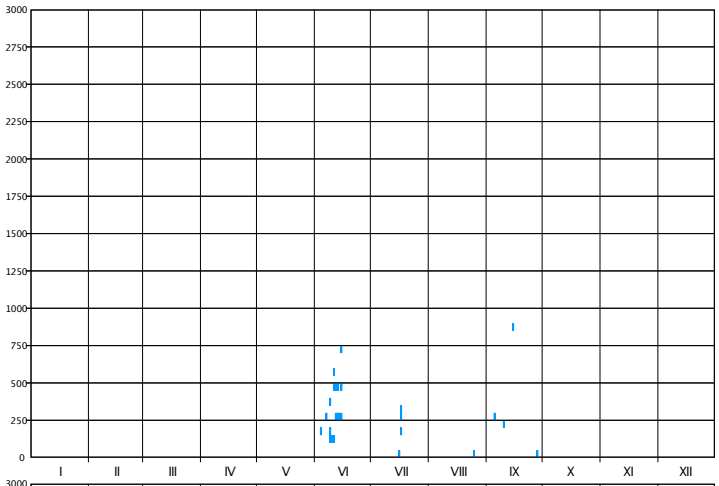


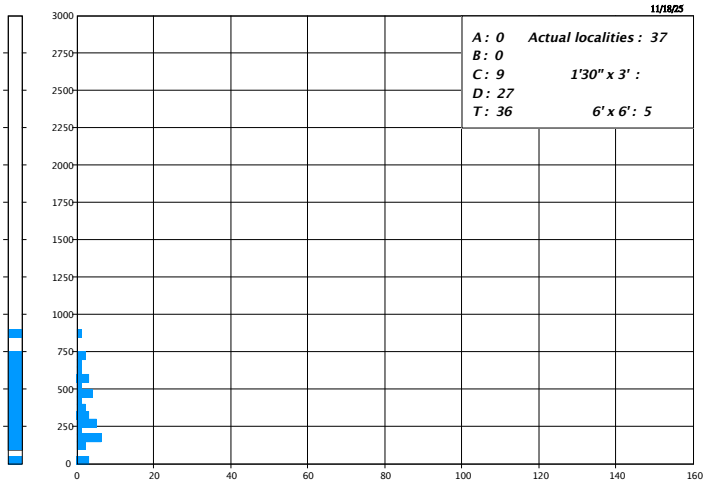


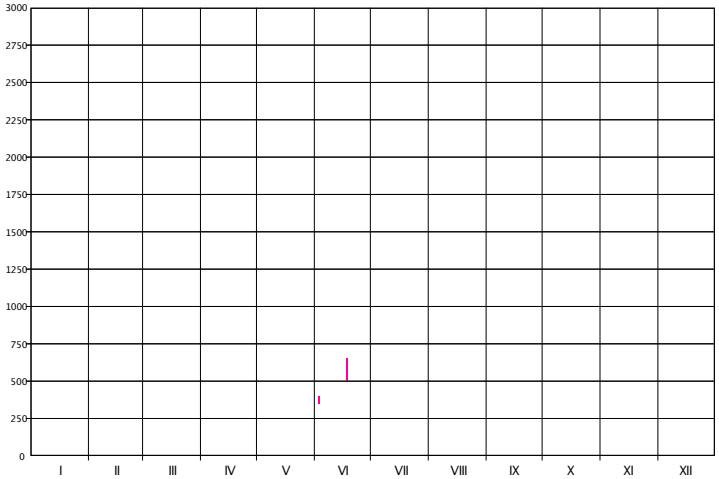


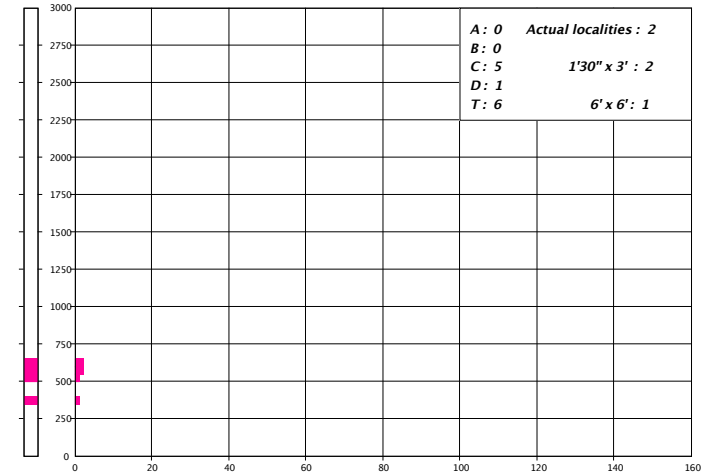
SATYRIDAE *Hipparchia cretica*

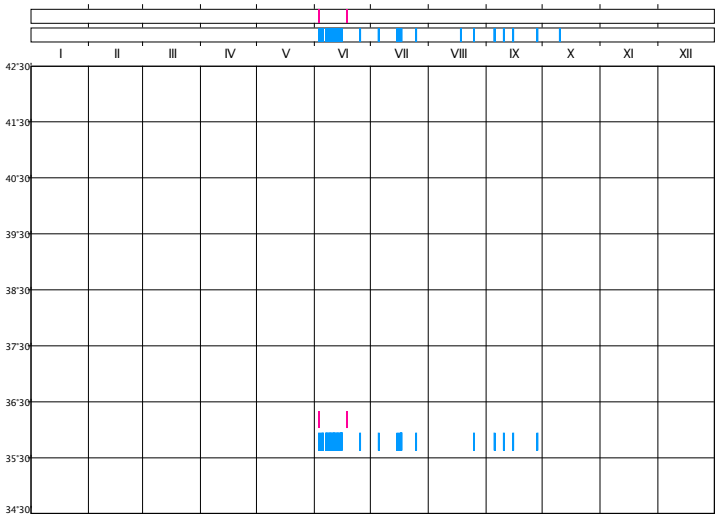




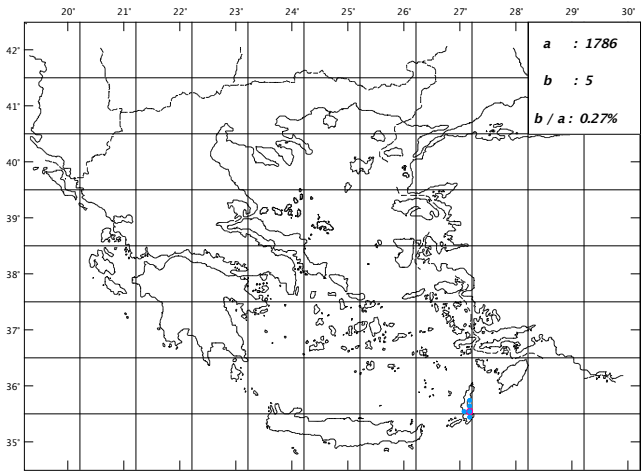


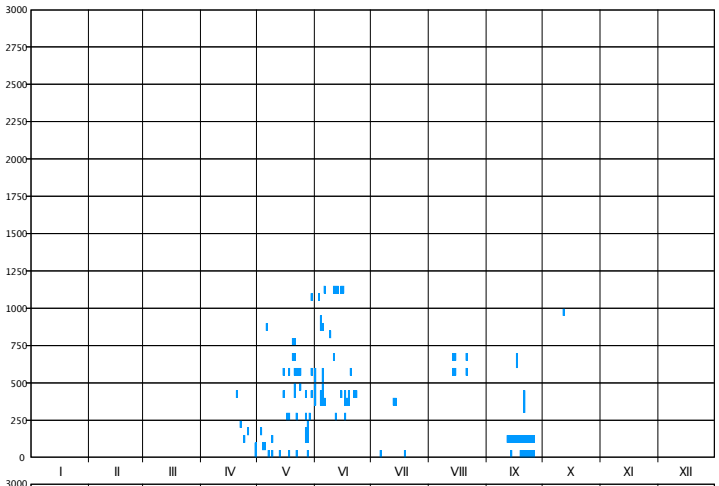


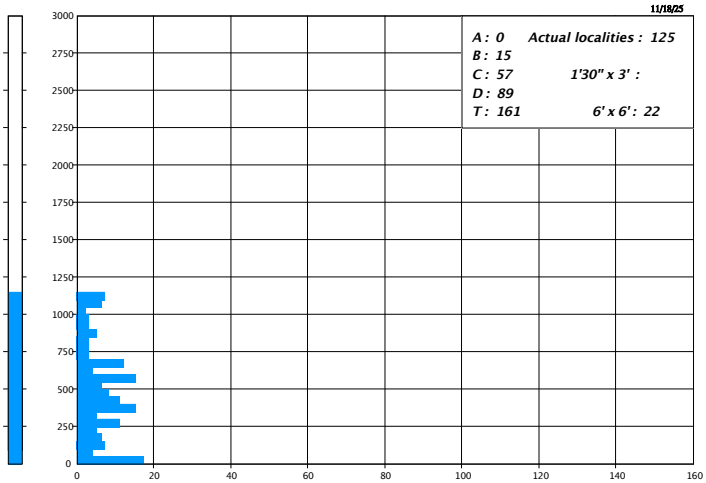


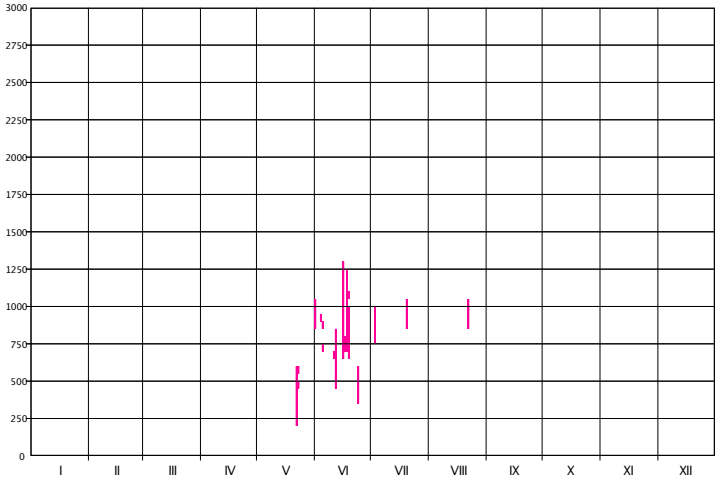


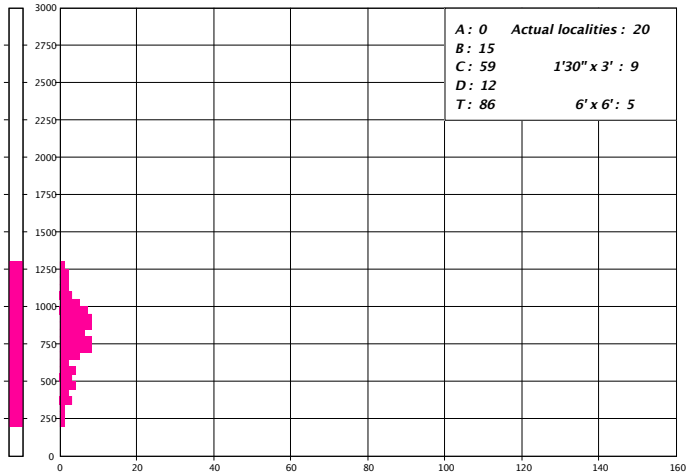
SATYRIDAE *Hipparchia christenseni*

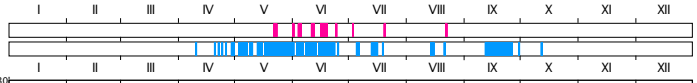




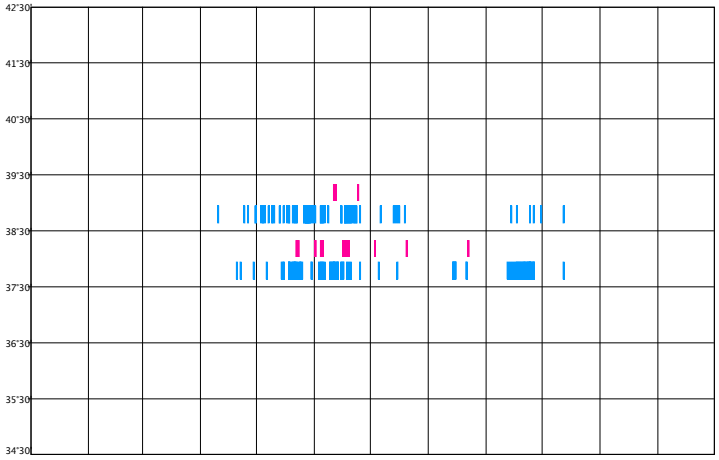


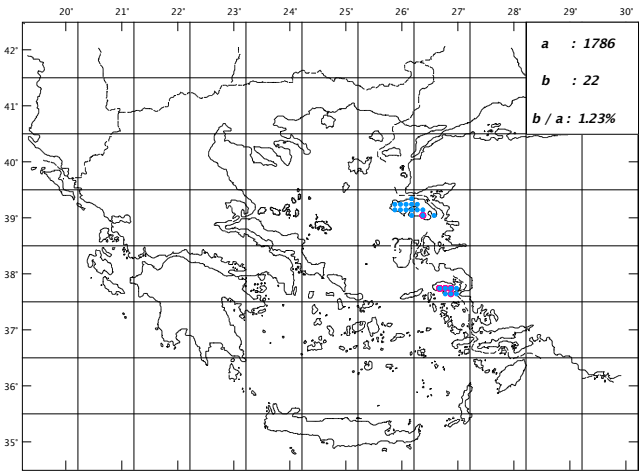


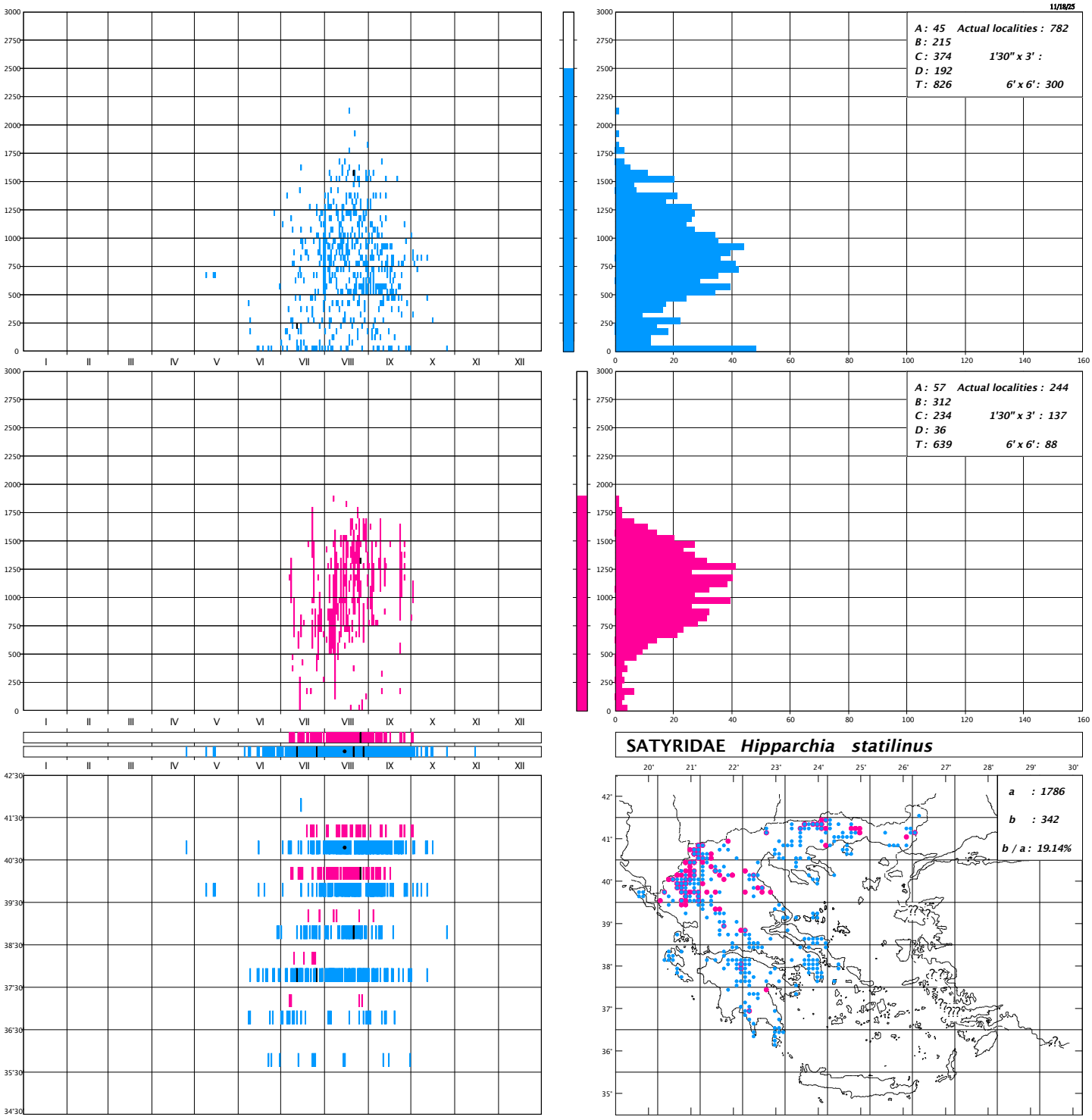


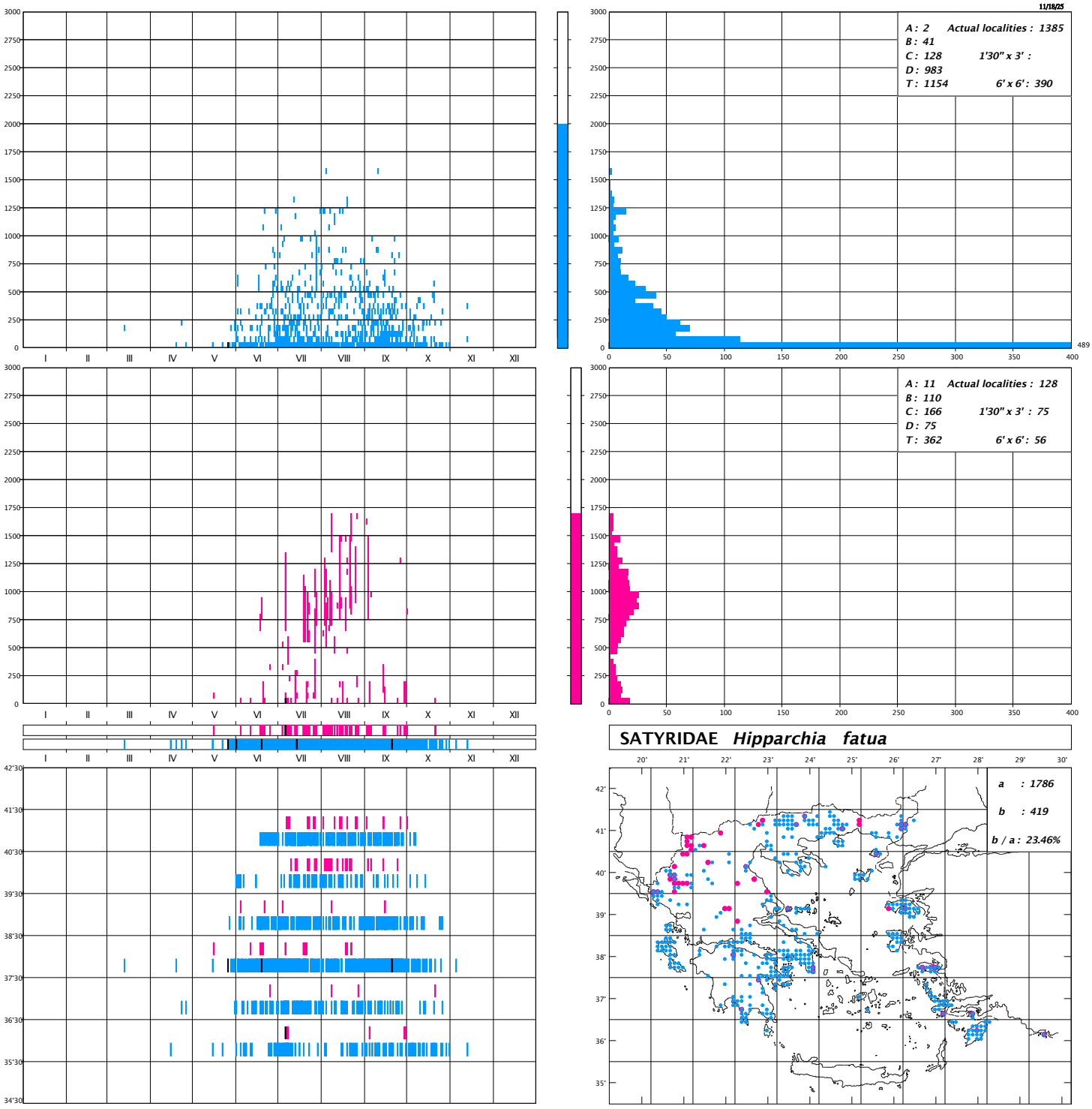


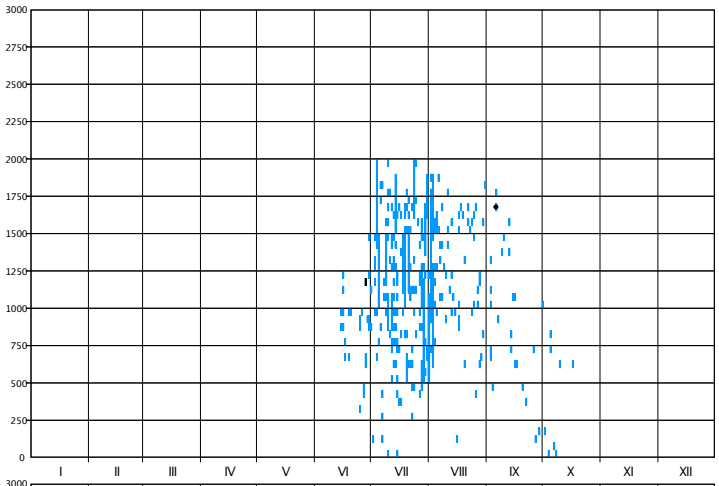
SATYRIDAE *Hipparchia mersina*

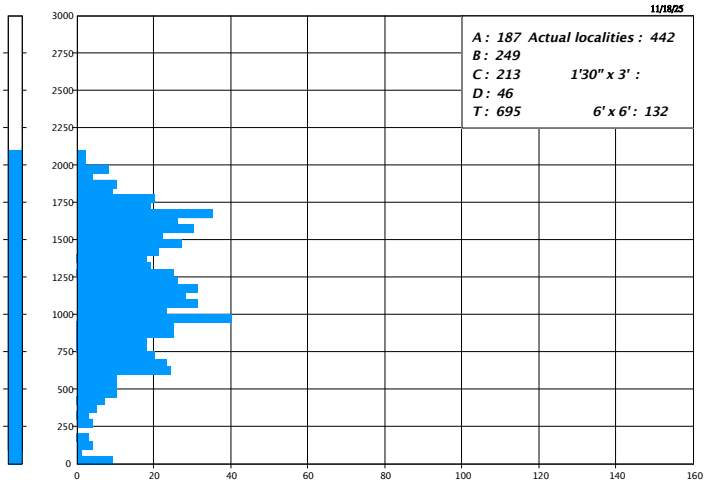


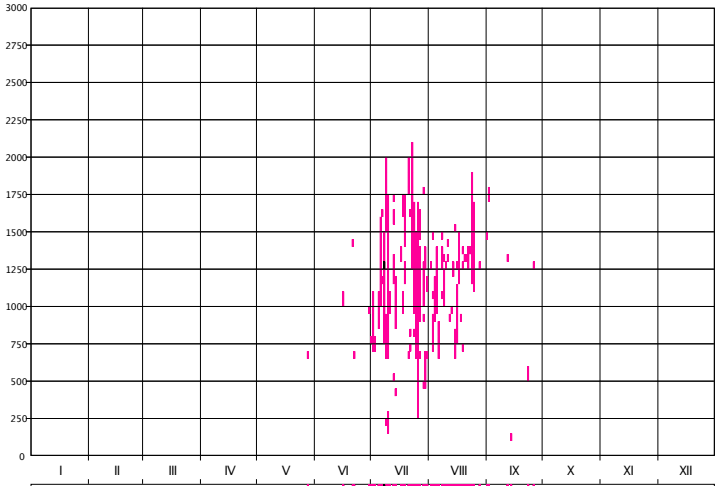


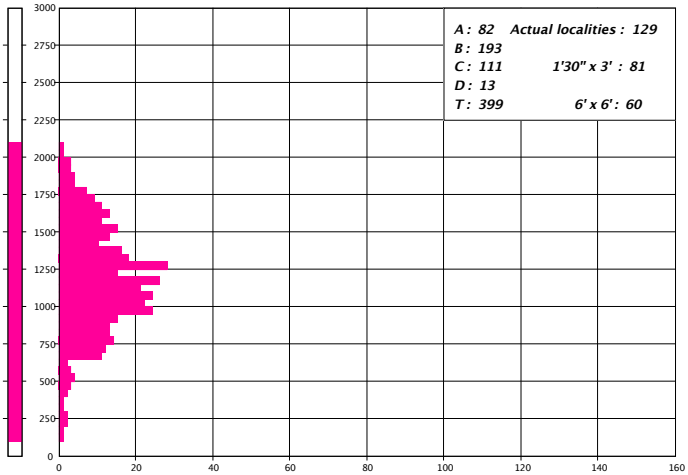

11/18/25
A : 45 Actual localities : 782
B : 215
C : 374 1'30" x 3' :
D : 192
T : 826 6' x 6' : 300
A : 57 Actual localities : 244
B : 312
C : 234 1'30" x 3' : 137
D : 36
T : 639 6' x 6' : 88
SATYRIDAE Hipparchia statilinus
a : 1786
b : 342
b / a : 19.14%

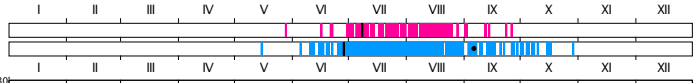

11/18/25
A : 2 Actual localities : 1385
B : 41
C : 128 1'30" x 3' :
D : 983
T : 1154 6' x 6' : 390
A : 11 Actual localities : 128
B : 110
C : 166 1'30" x 3' : 75
D : 75
T : 362 6' x 6' : 56
SATYRIDAE Hipparchia fatua
a : 1786
b : 419
b / a : 23.46%



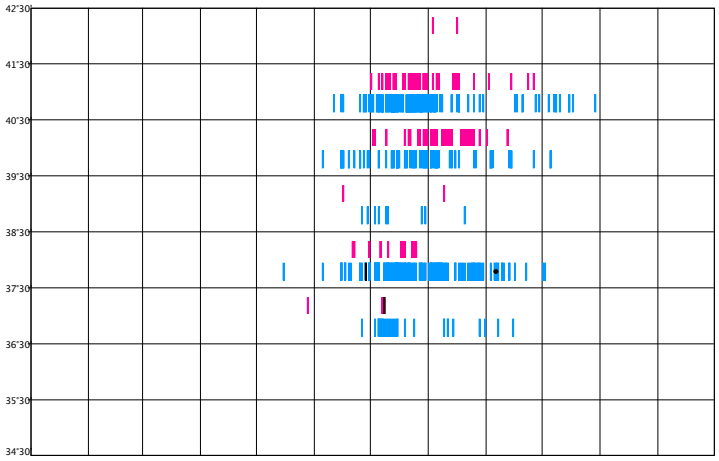


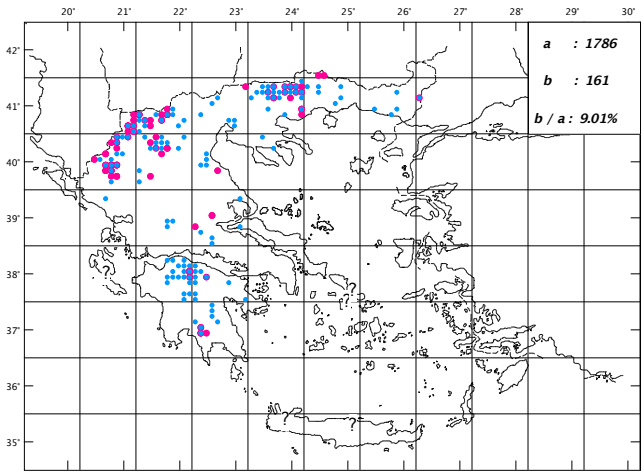


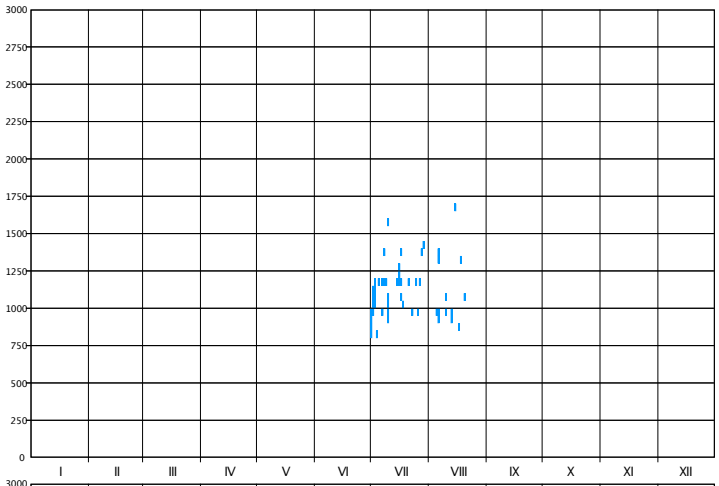


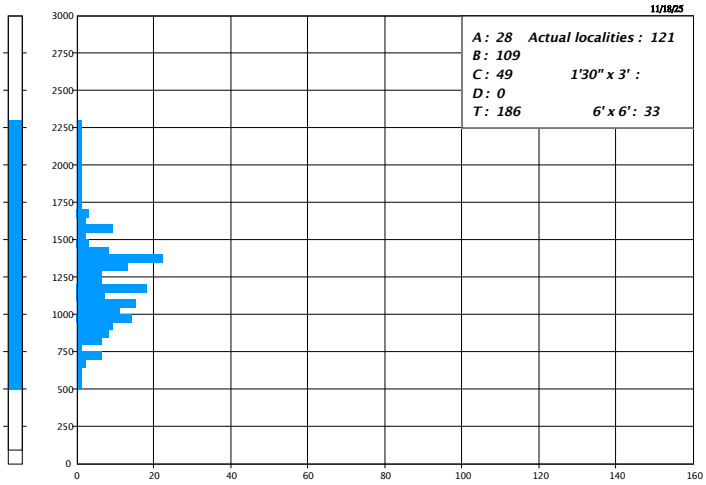


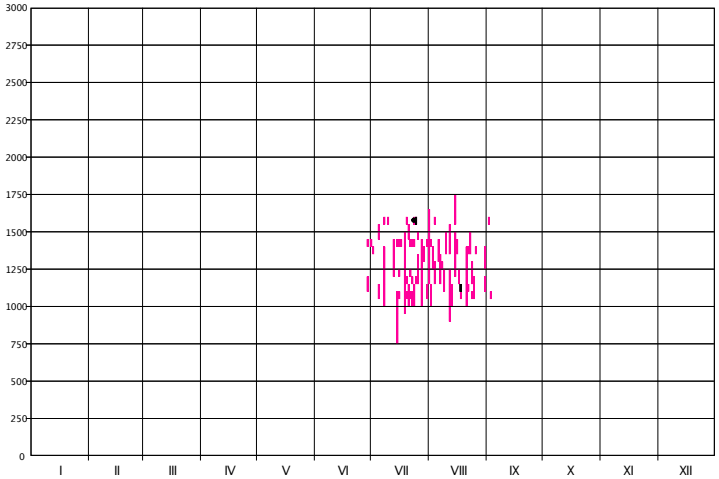
SATYRIDAE *Chazara briseis*

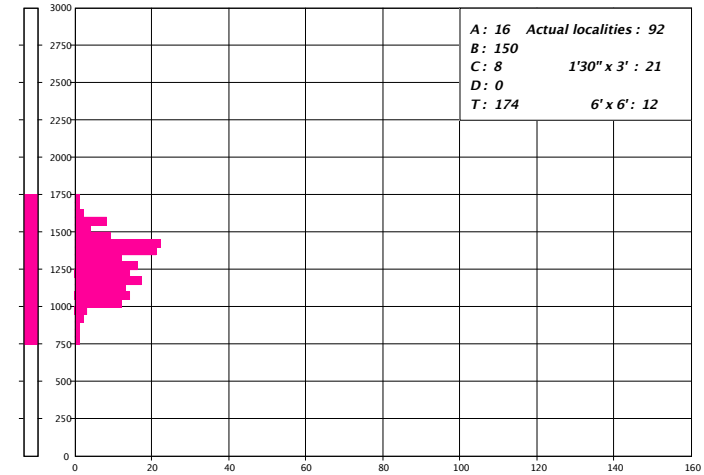


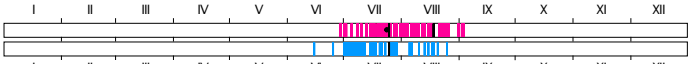




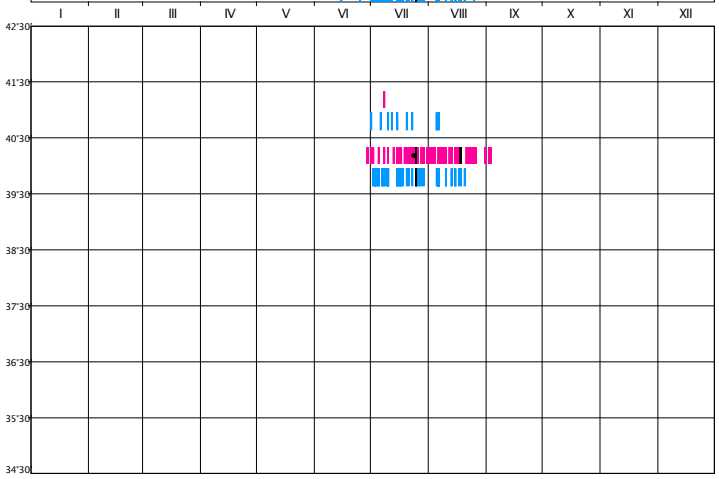


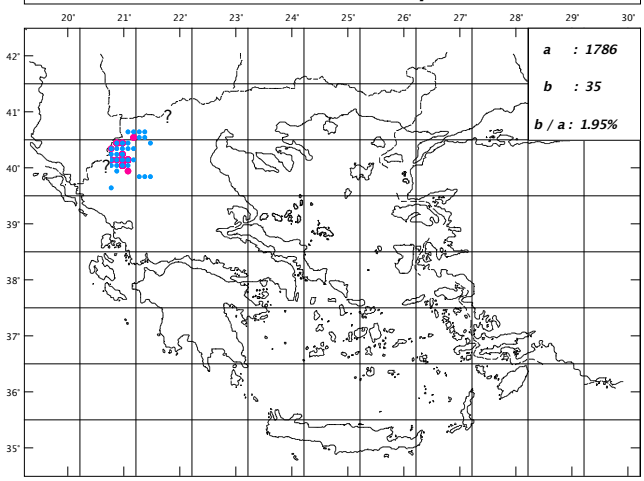


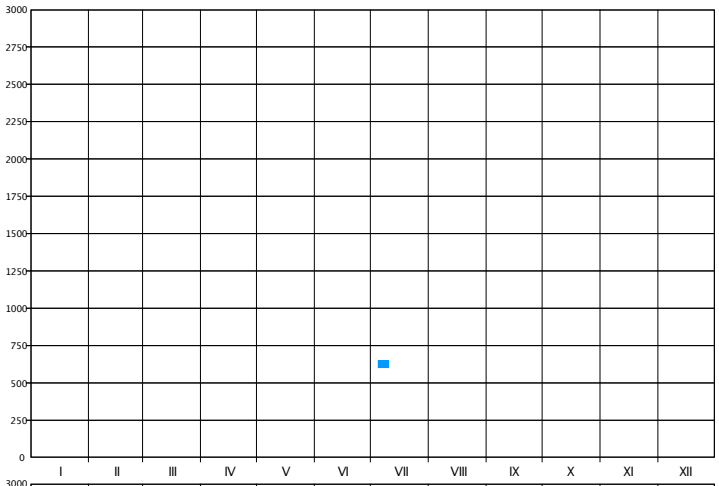


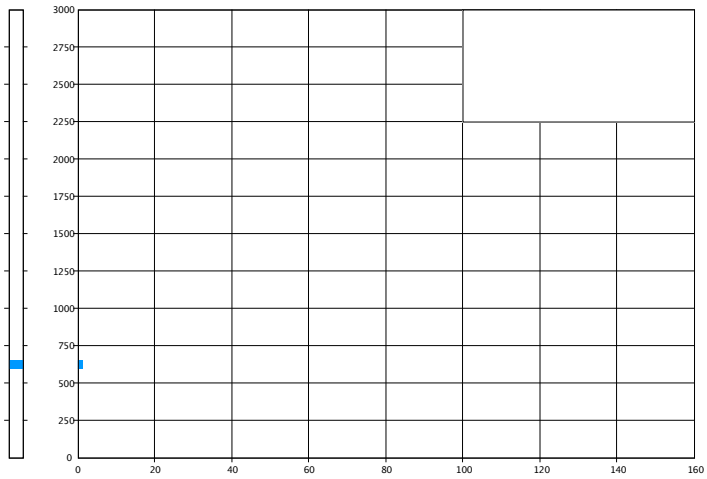


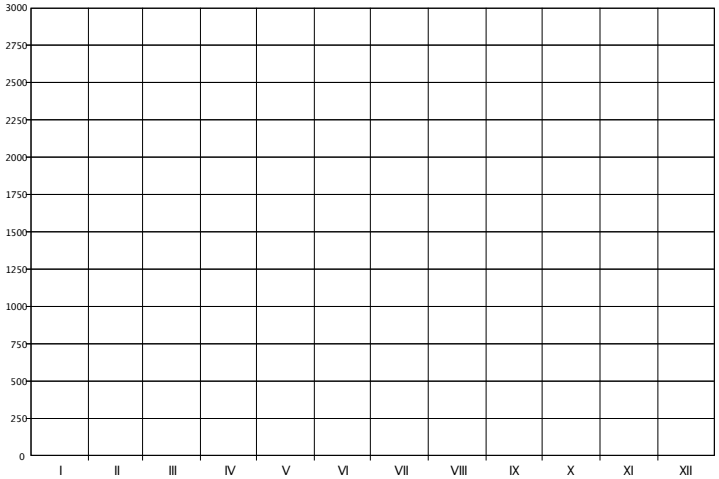
SATYRIDAE *Pseudochazara tisiphone*

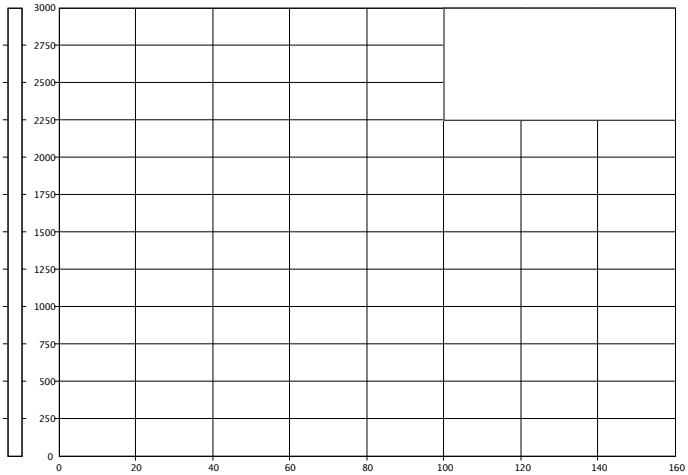




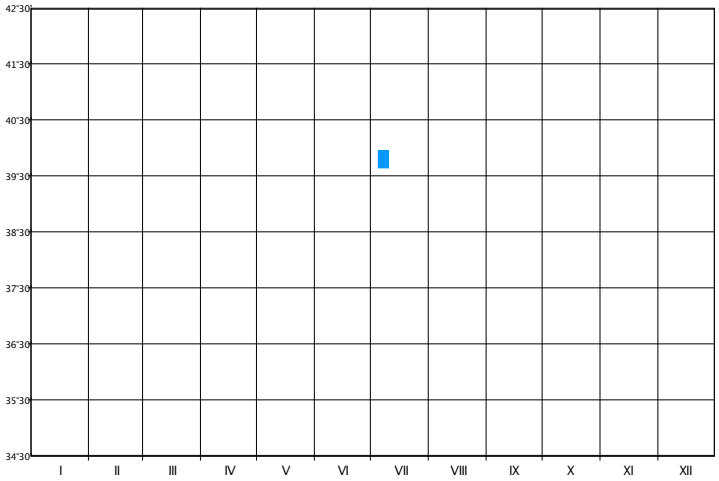


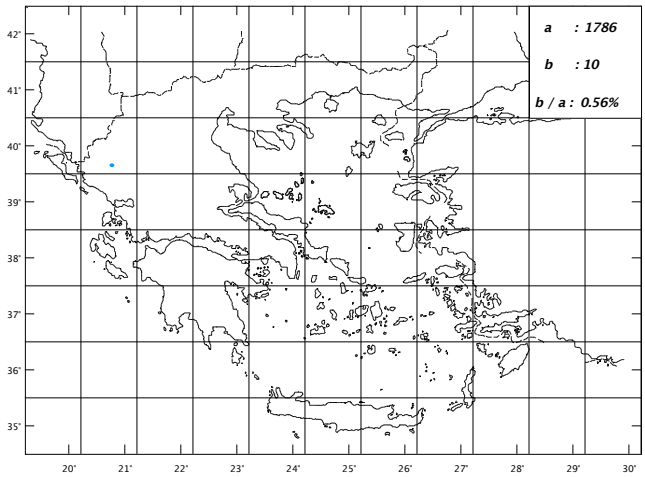


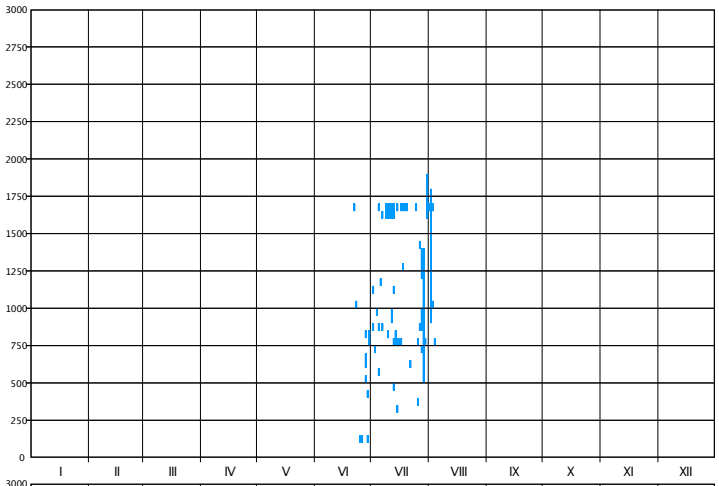


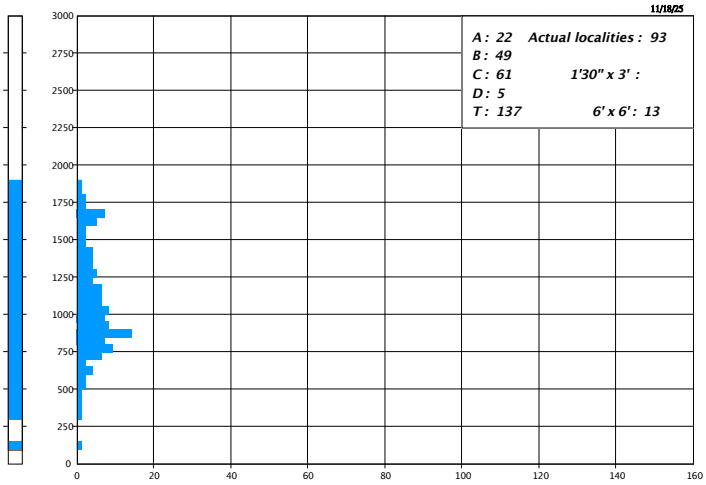


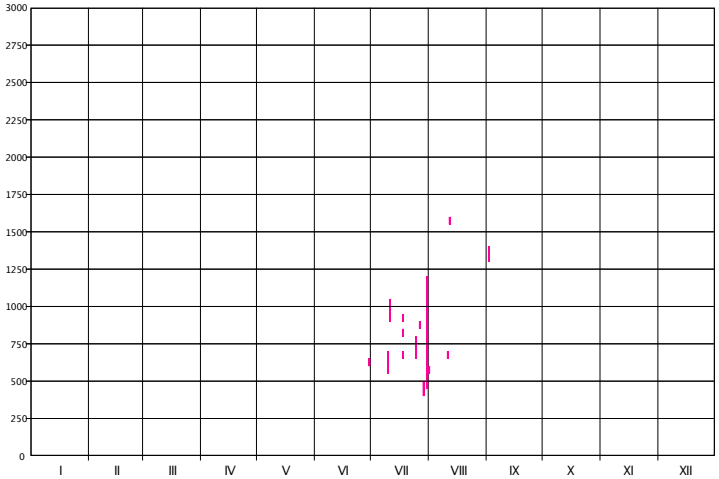
SATYRIDAE *Pseudochazara amymone*

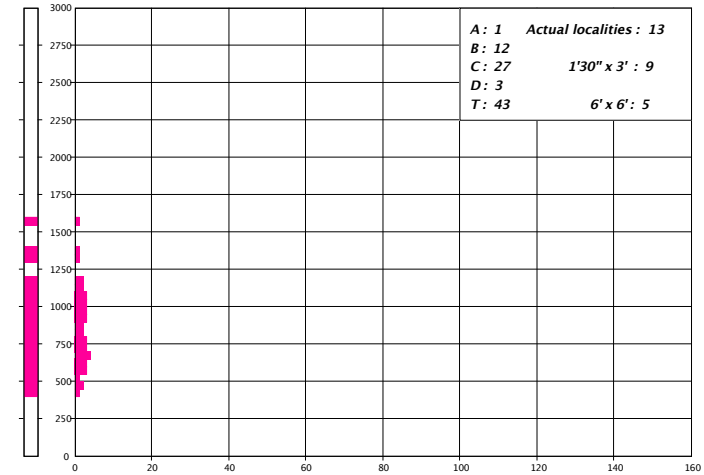


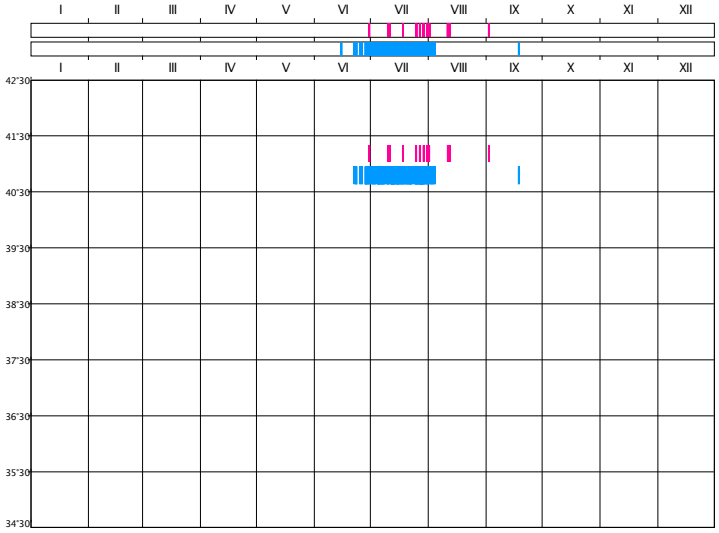




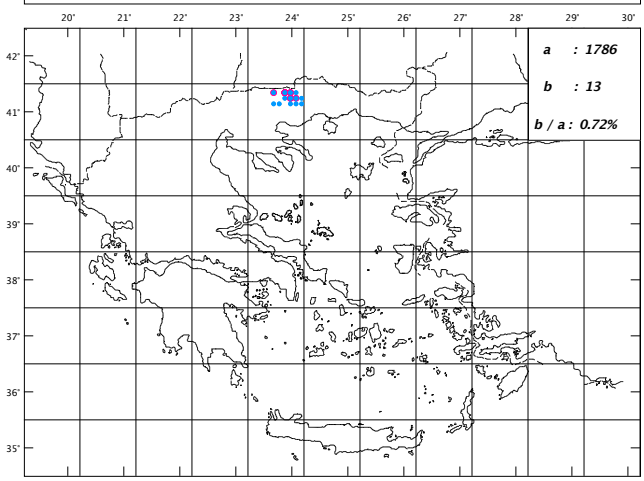


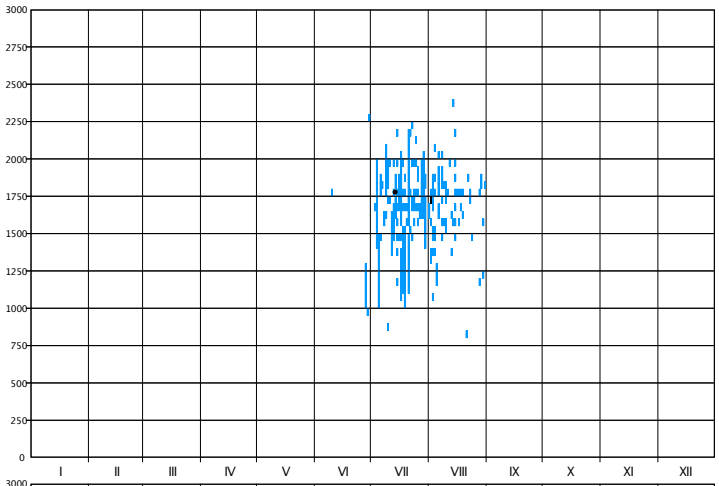


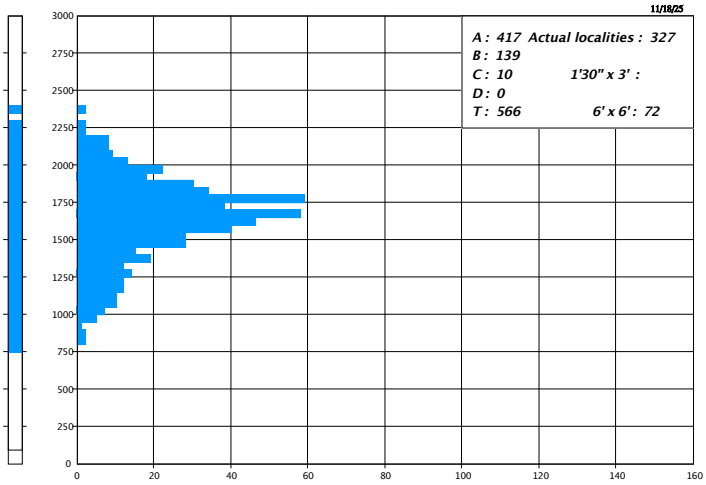


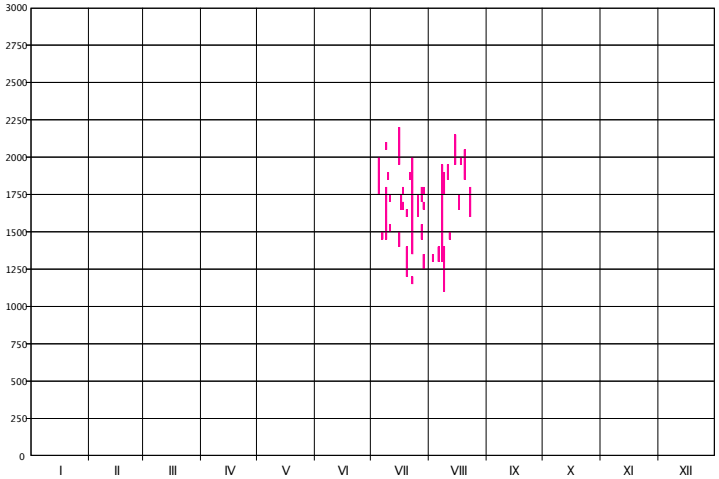


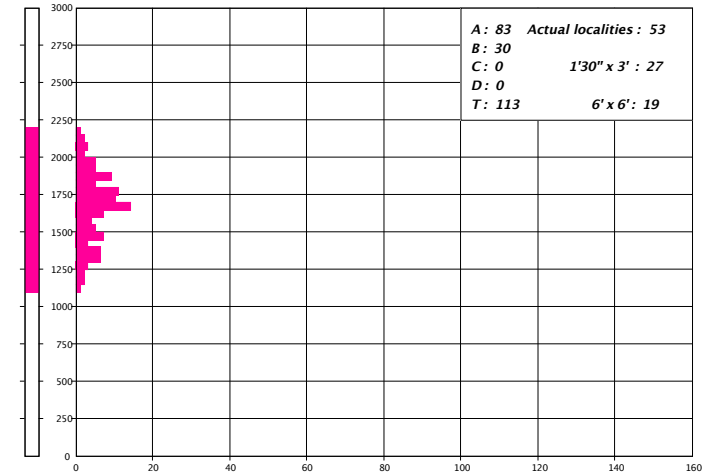
SATYRIDAE *Pseudochazara orestes*

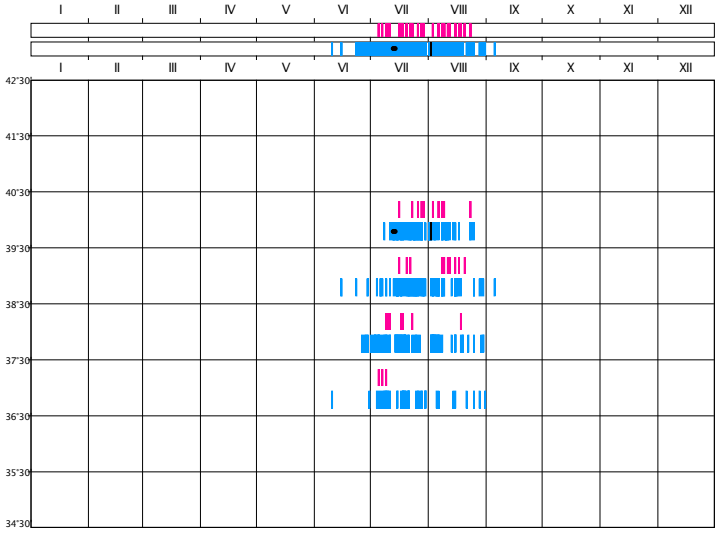




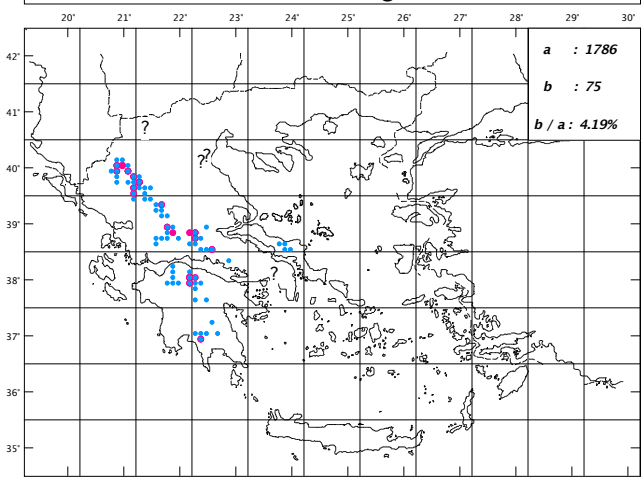


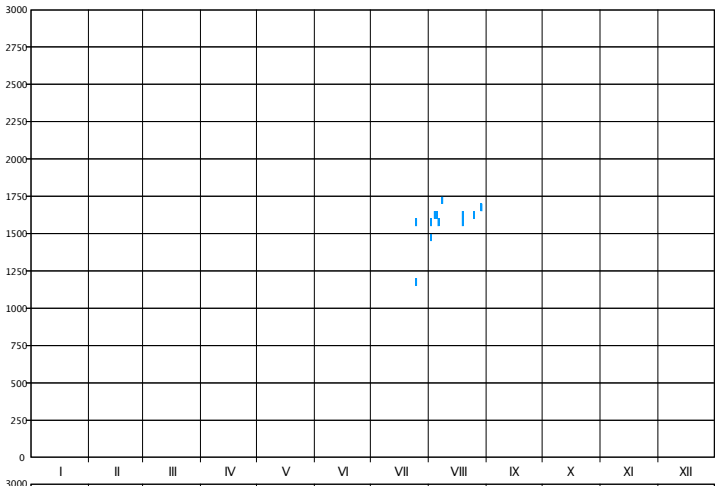


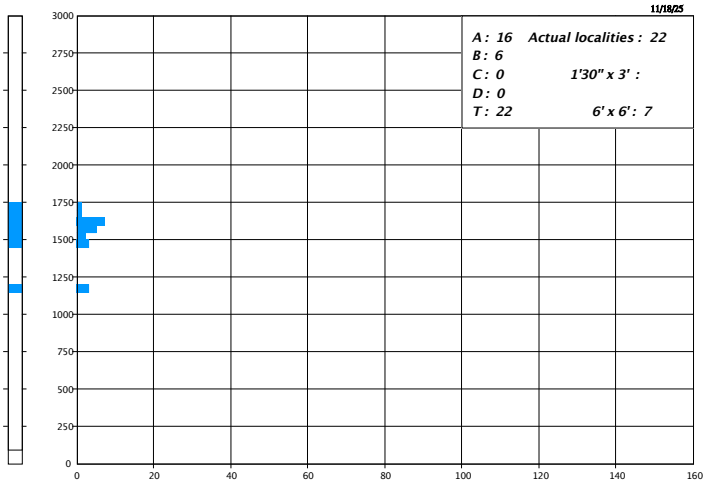


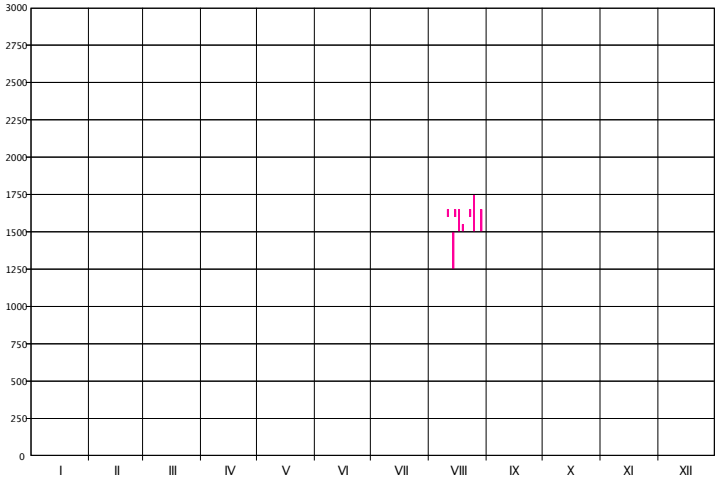


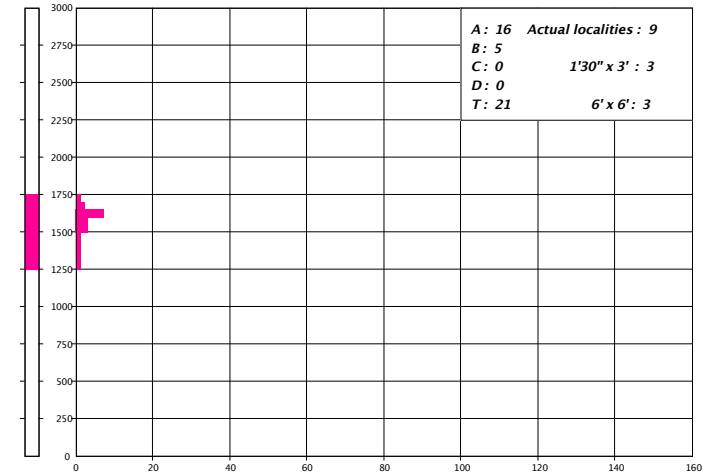
SATYRIDAE *Pseudochazara graeca*

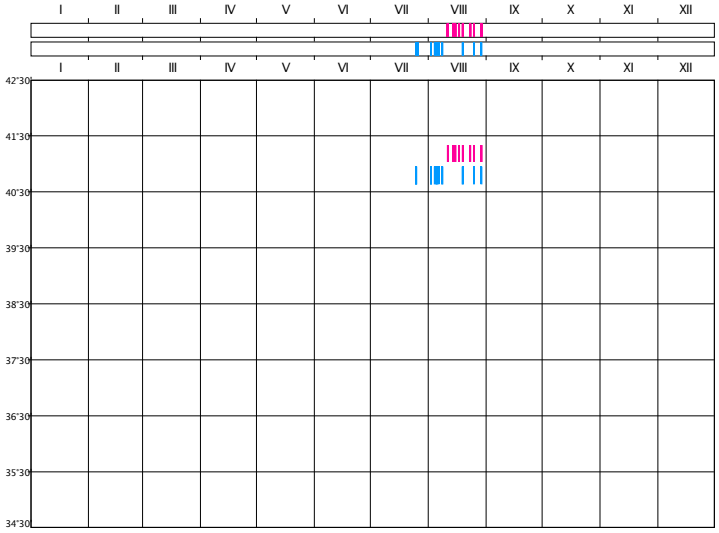




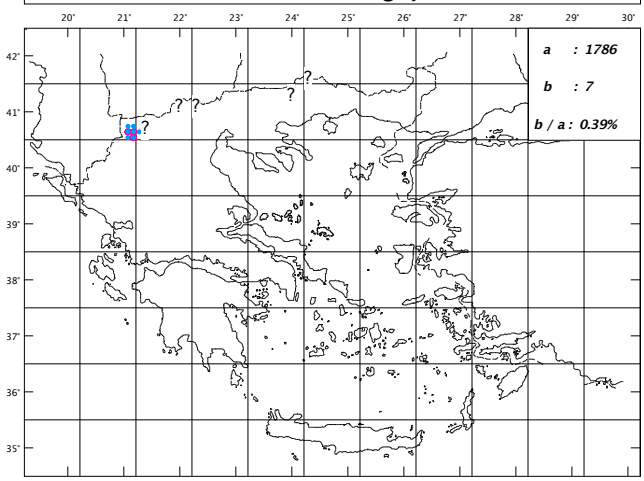


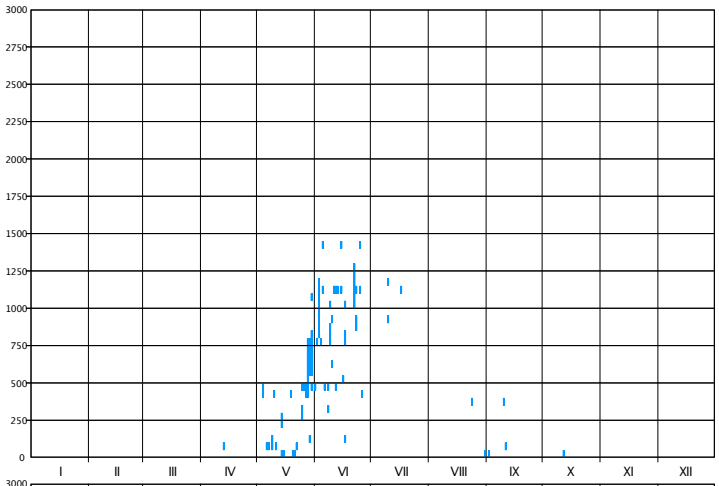


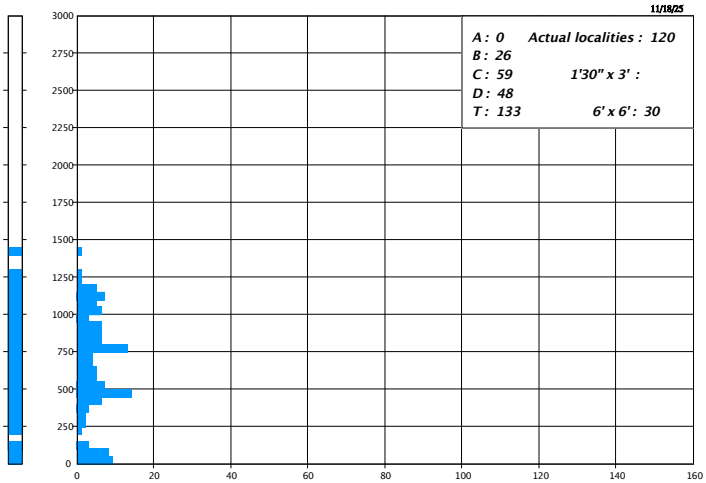


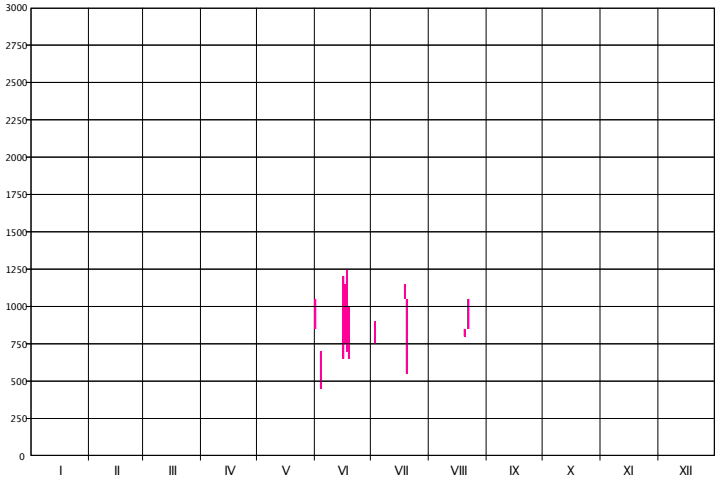


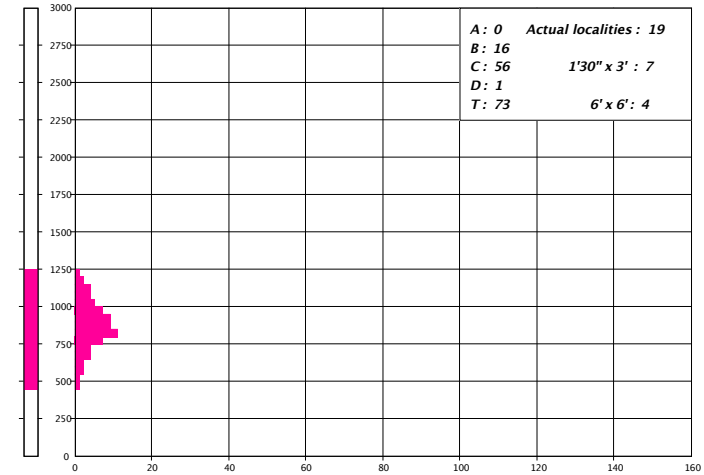
SATYRIDAE *Pseudochazara geyeri*

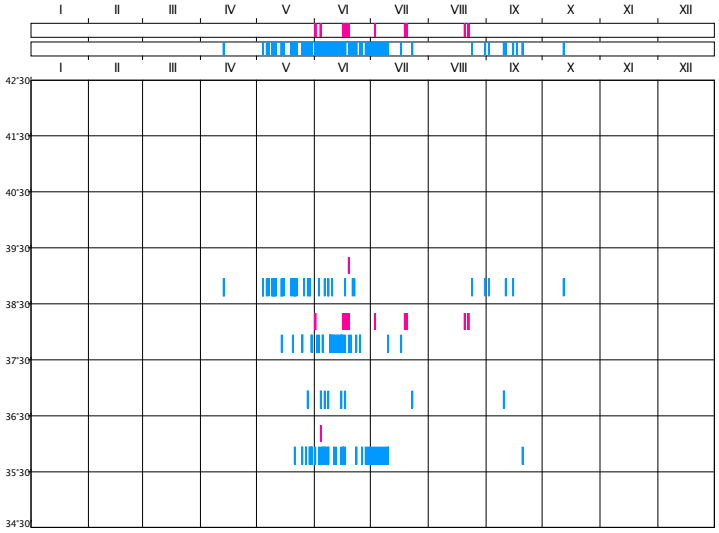




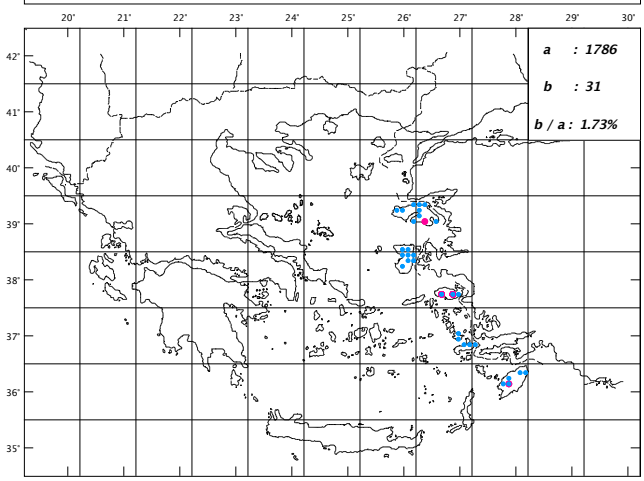


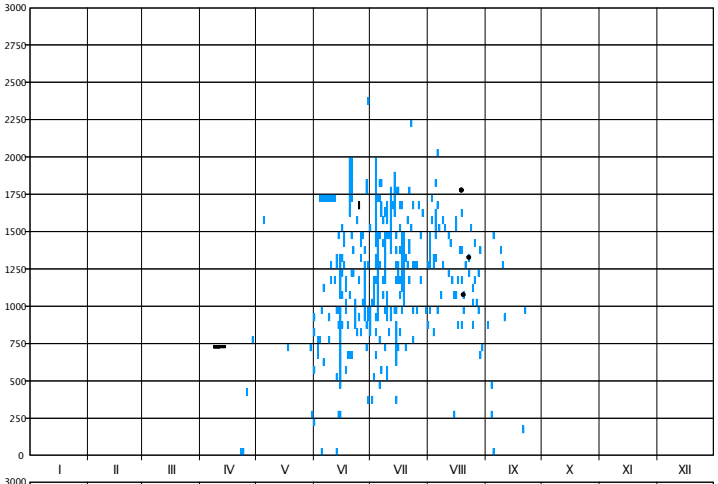


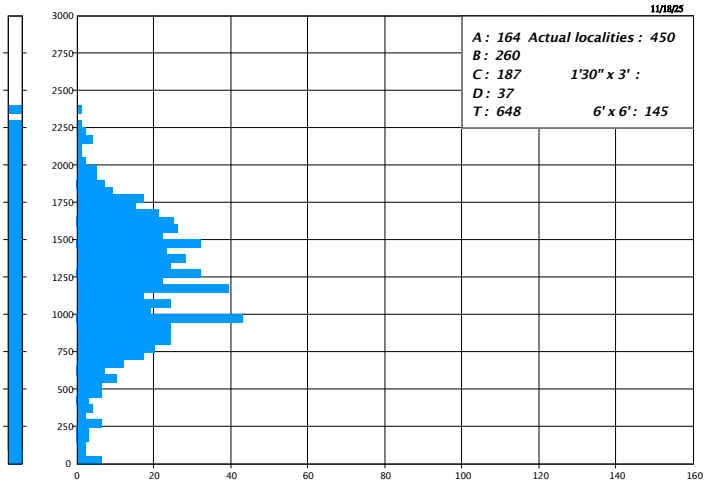


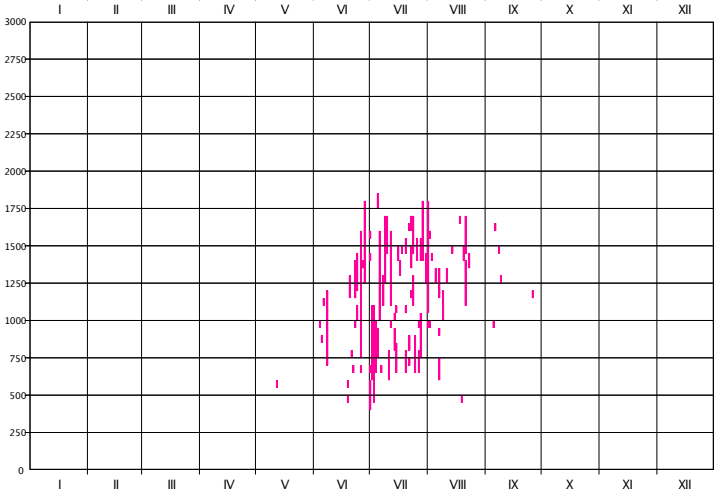


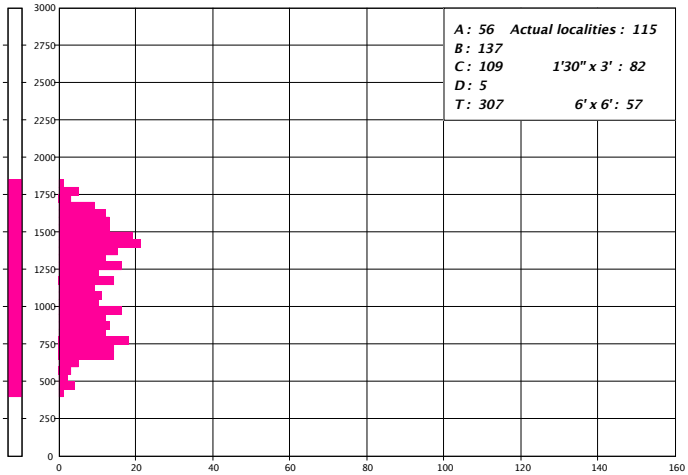
SATYRIDAE *Pseudochazara anthelea*



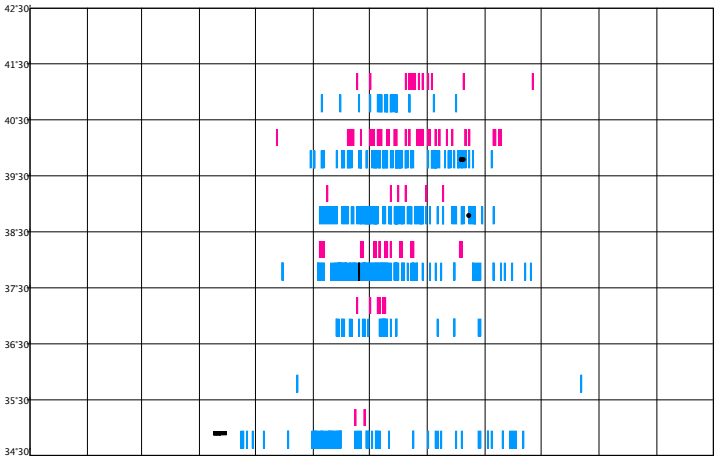


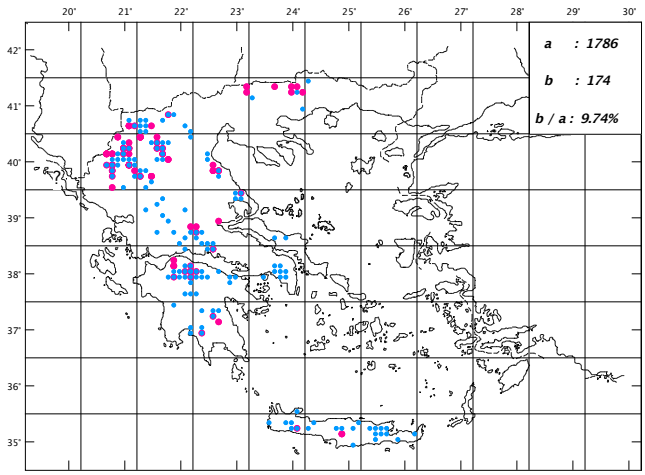


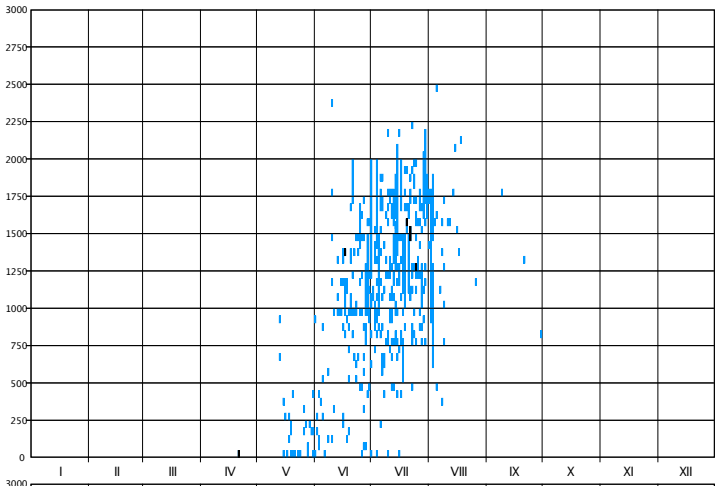


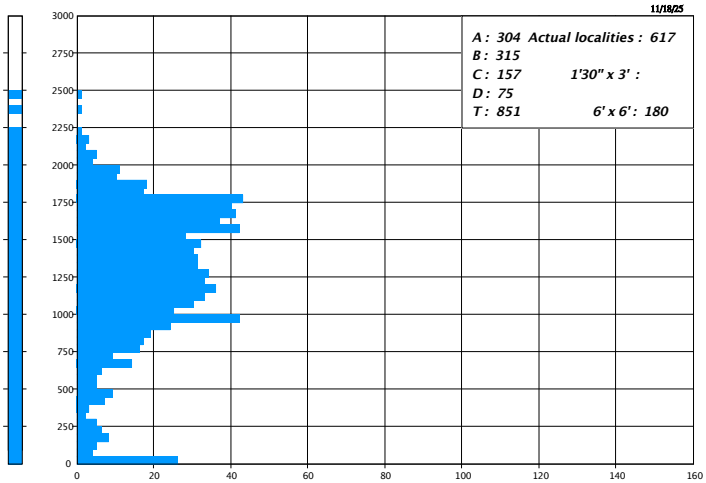


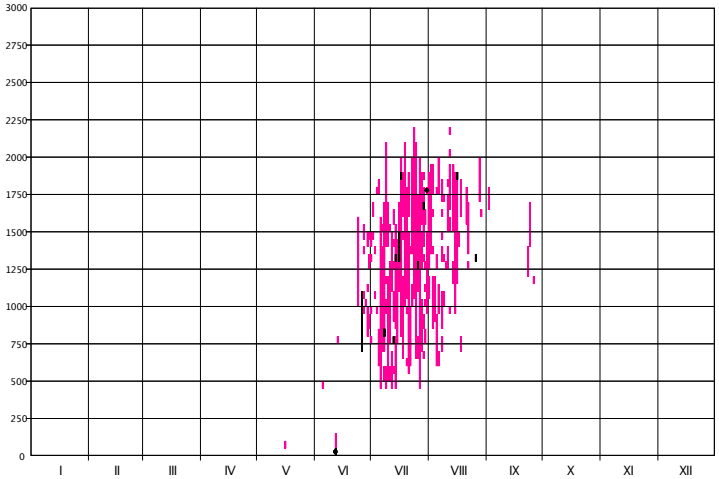
SATYRIDAE *Pseudochazara amalthea*

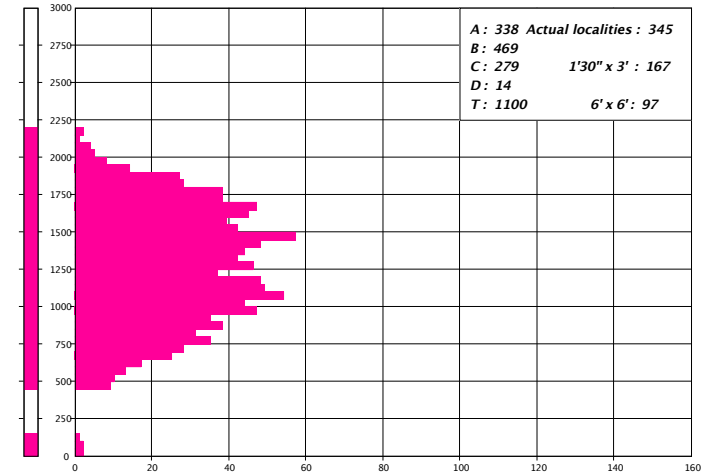


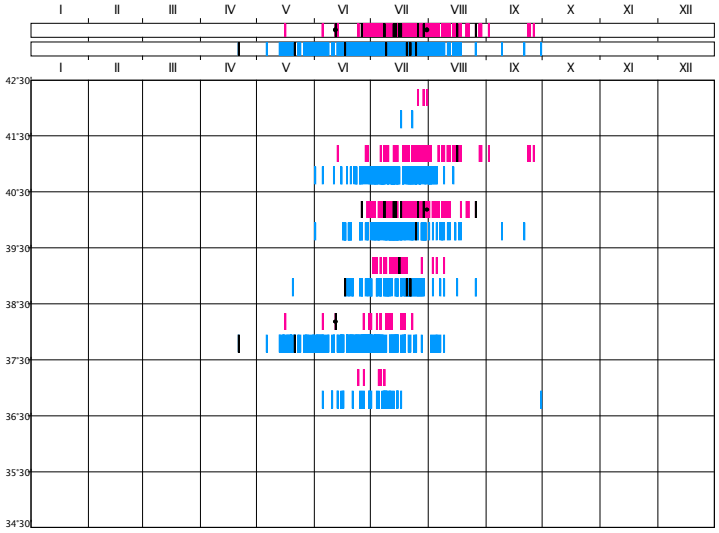




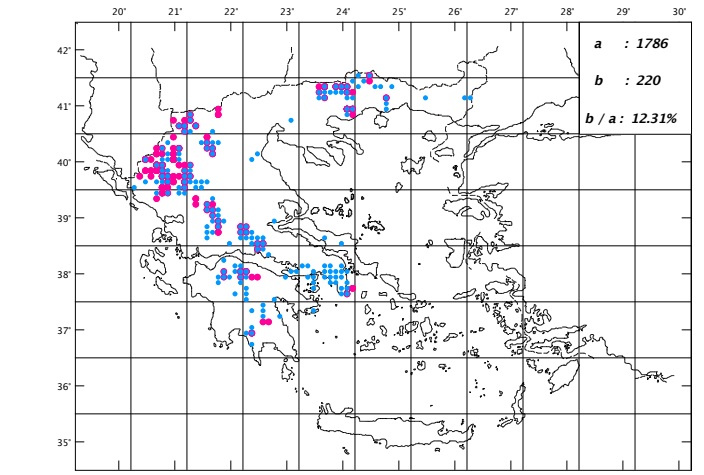


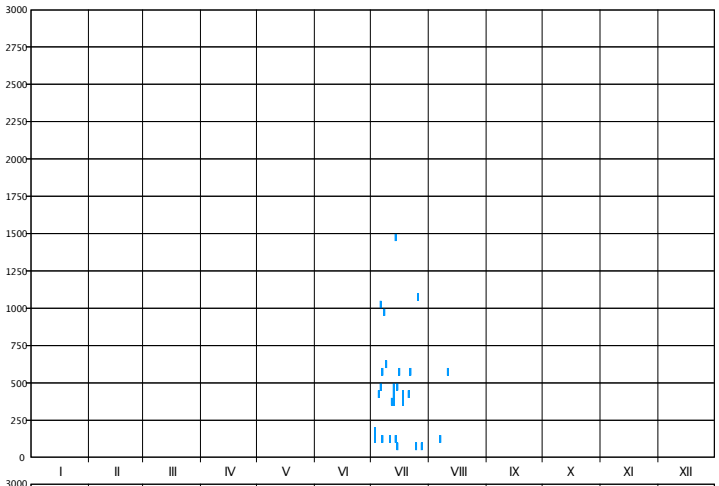


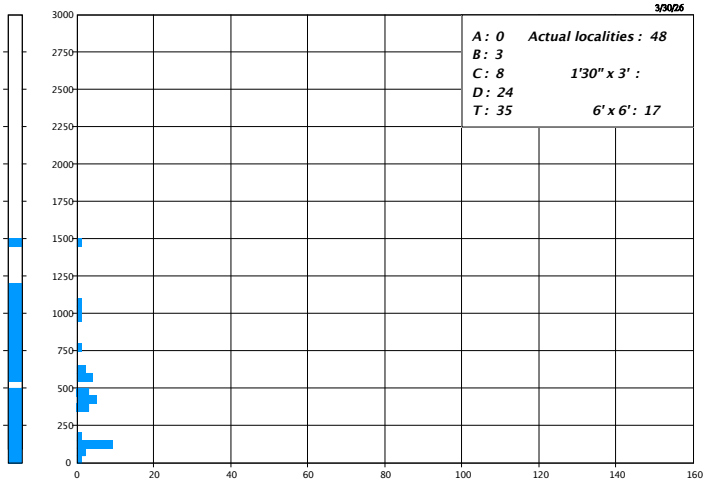


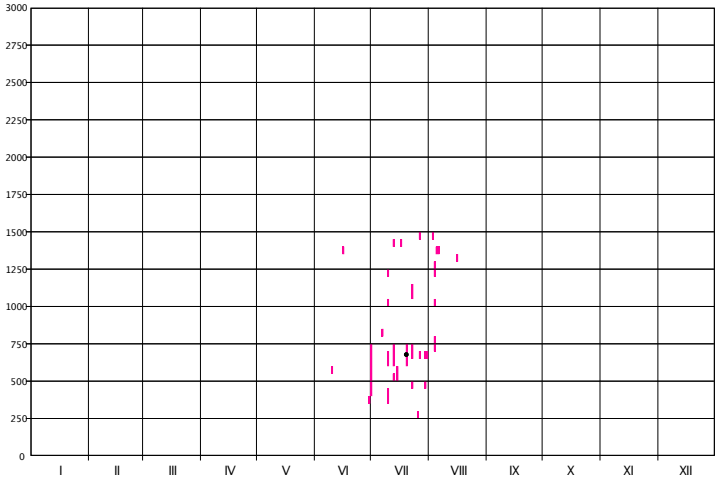


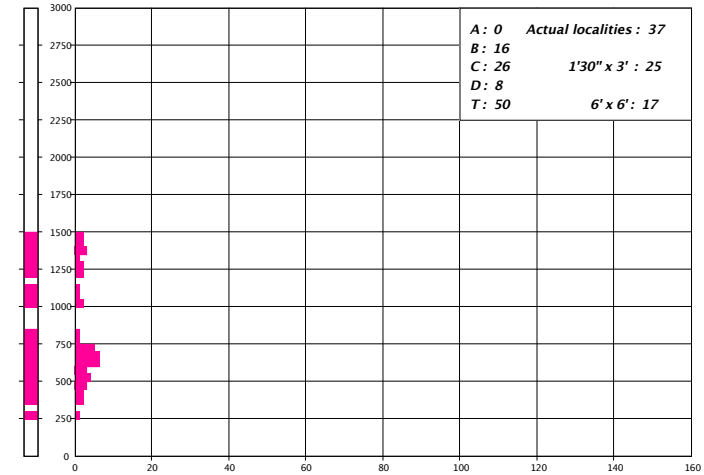
SATYRIDAE *Satyrus ferula*

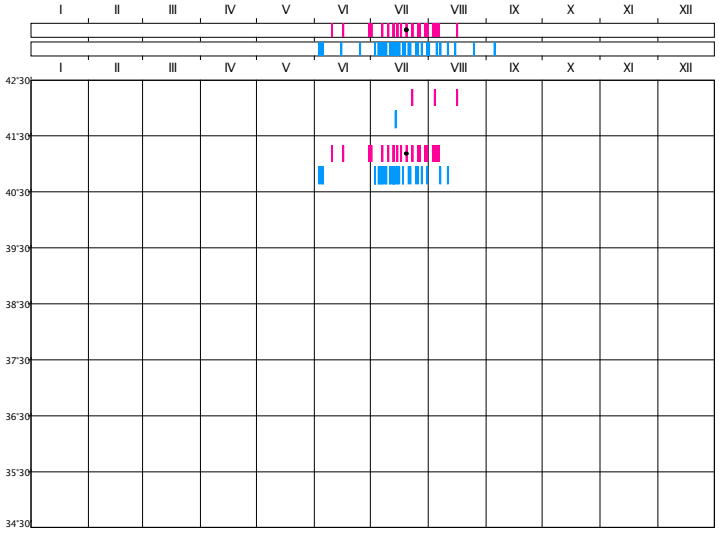




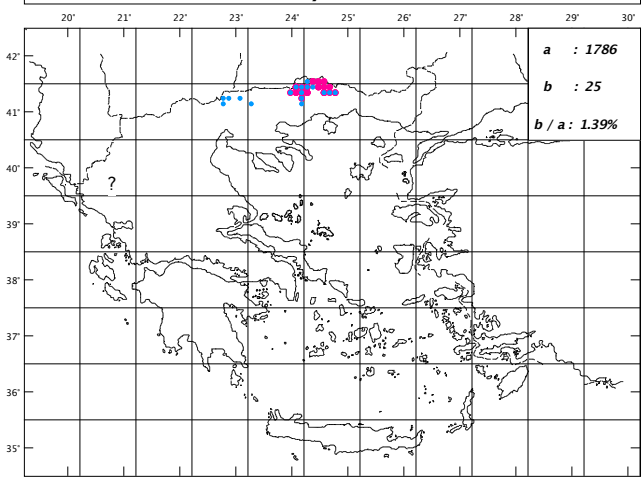


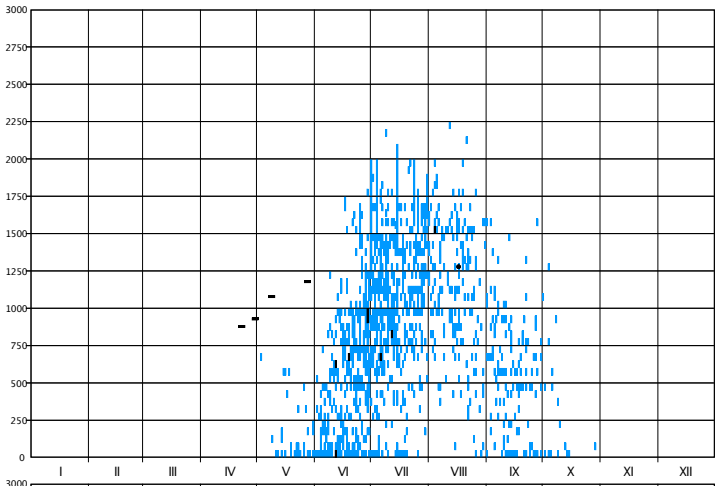


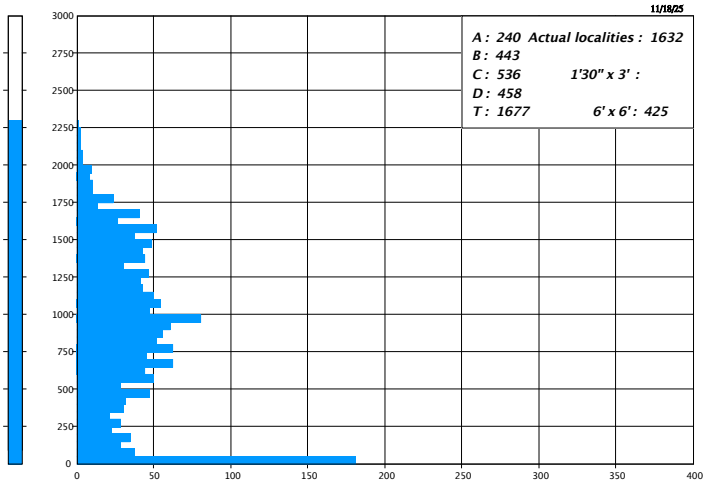


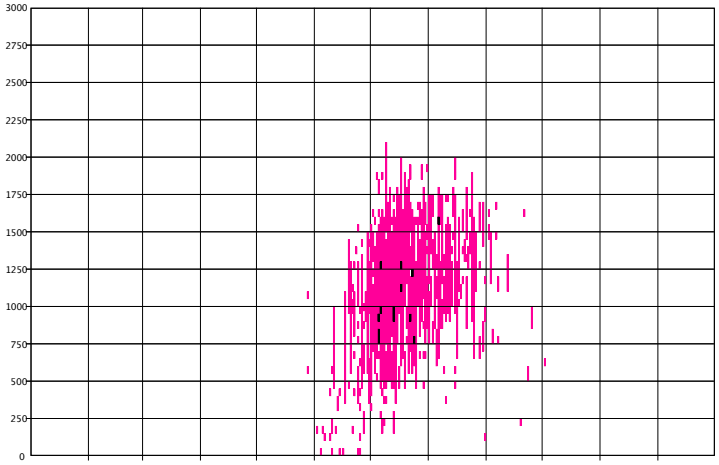


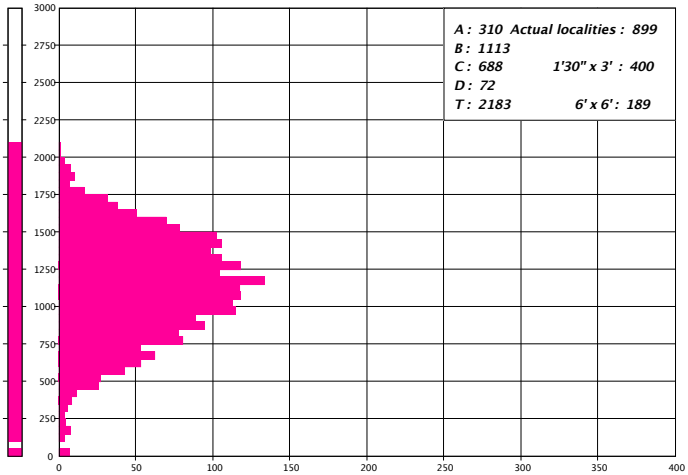
SATYRIDAE *Minois dryas*

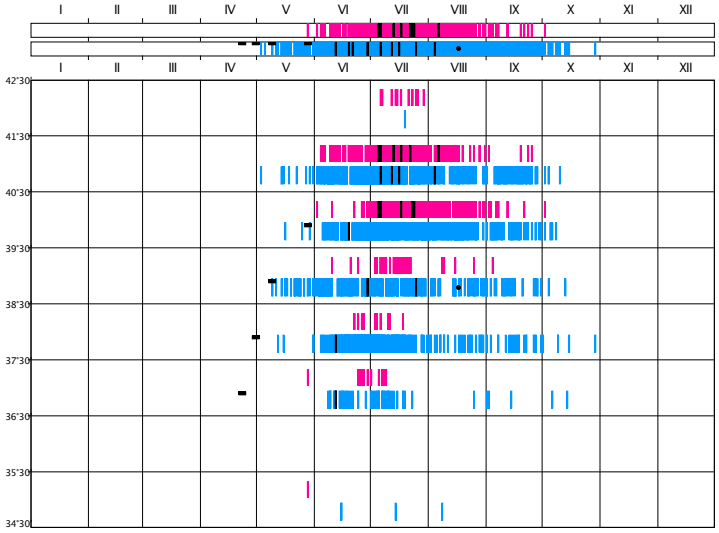




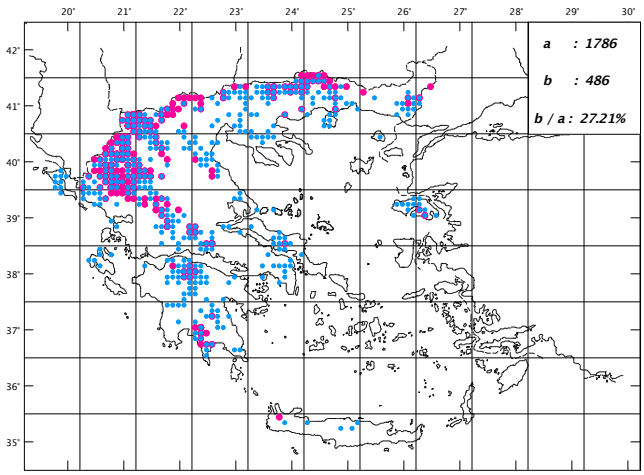


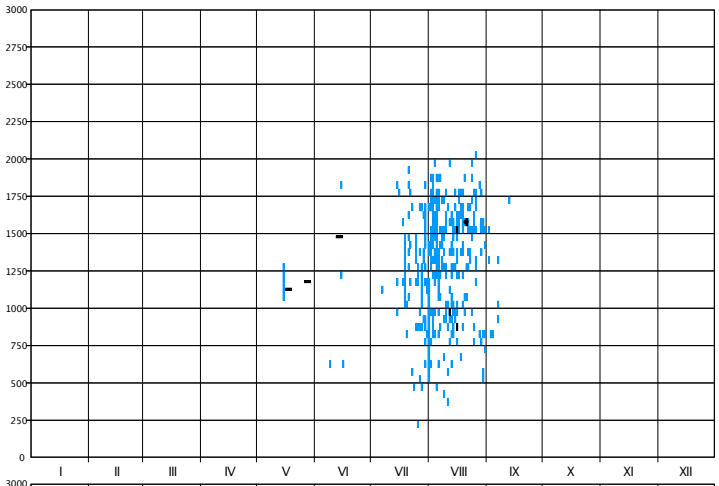


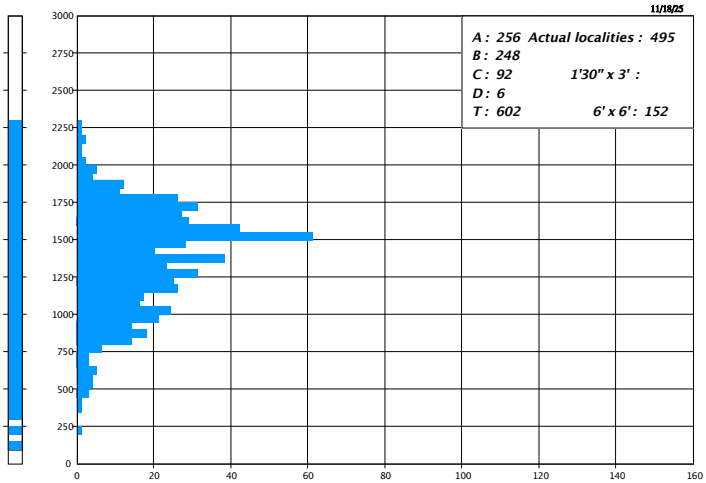


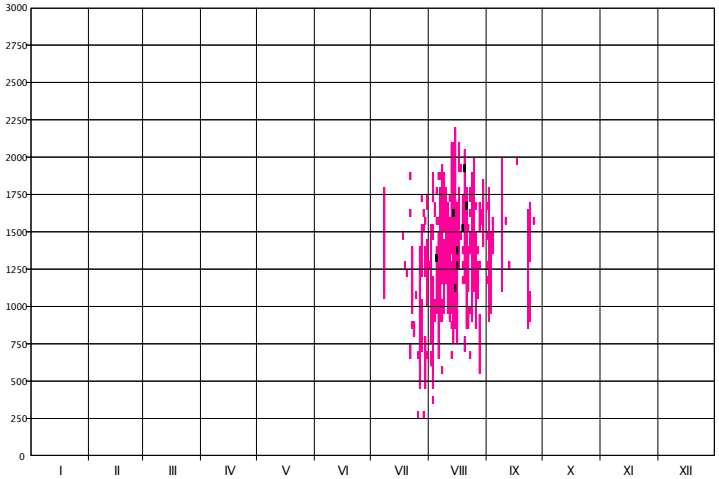


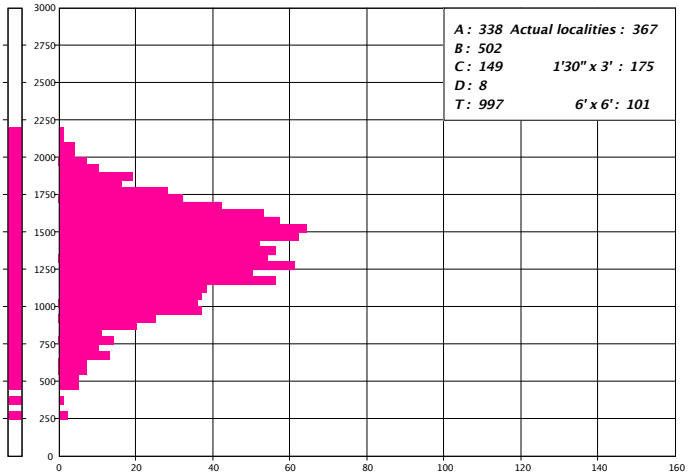
SATYRIDAE *Brintesia circe*

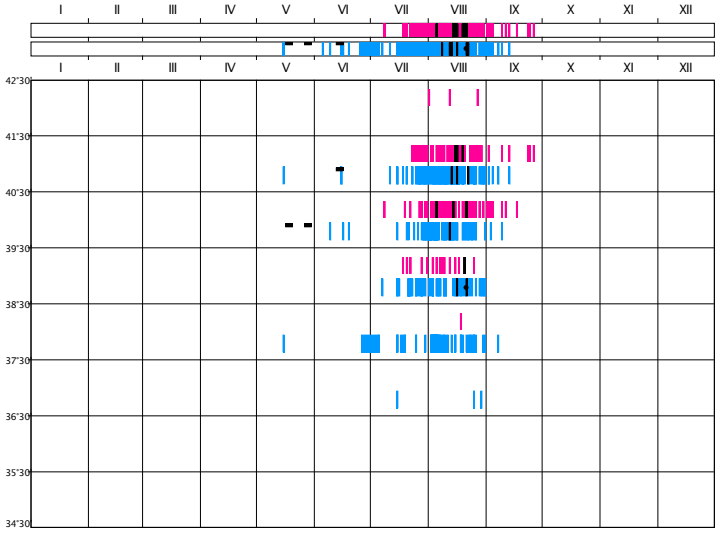




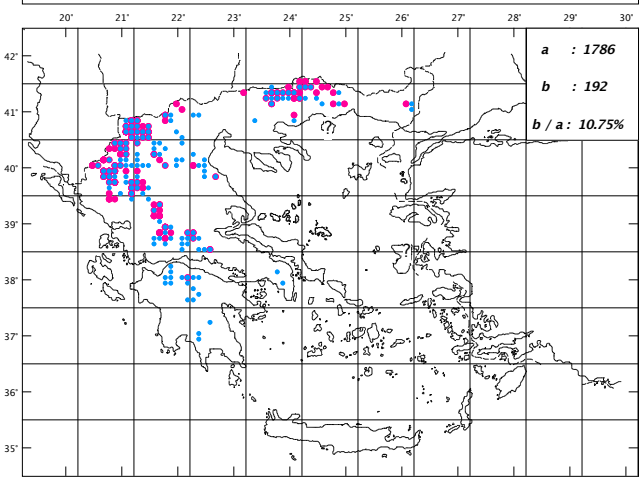


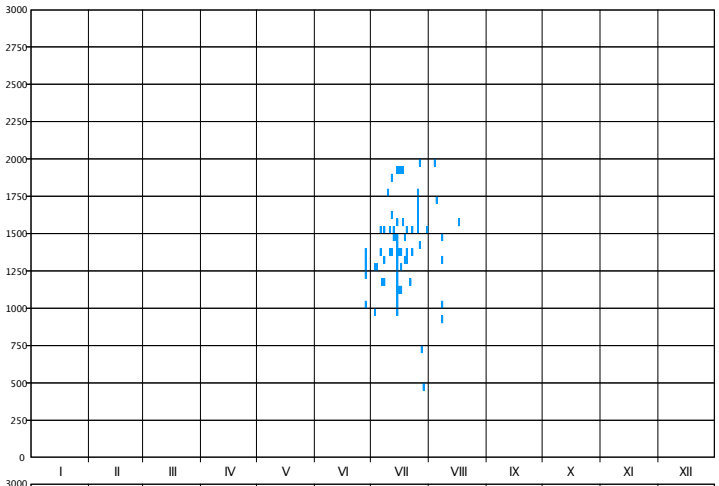


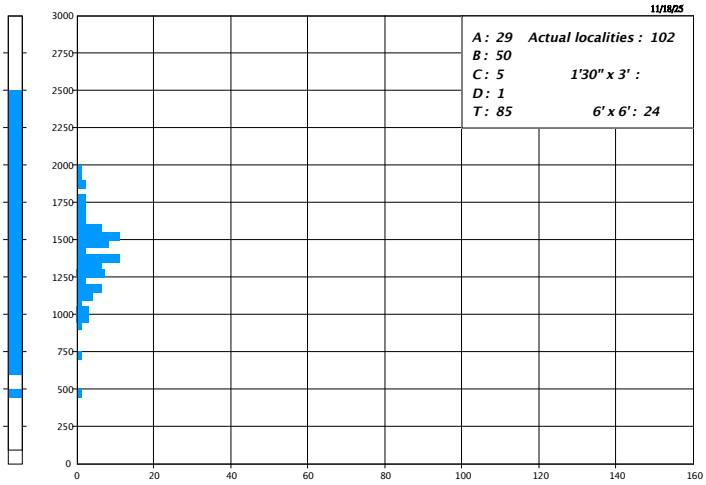


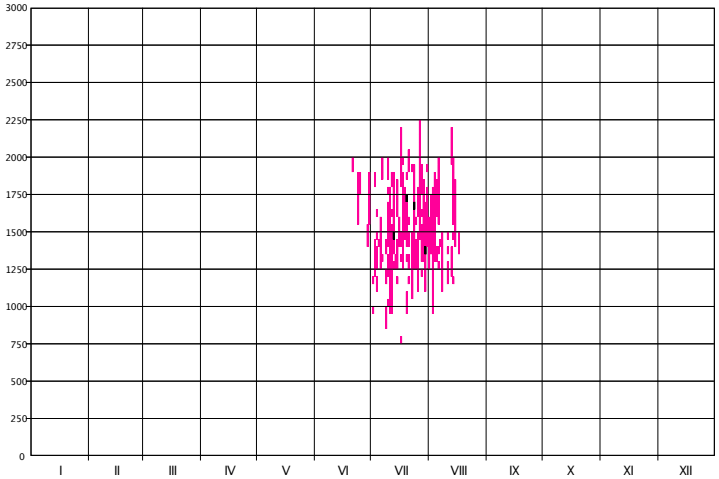


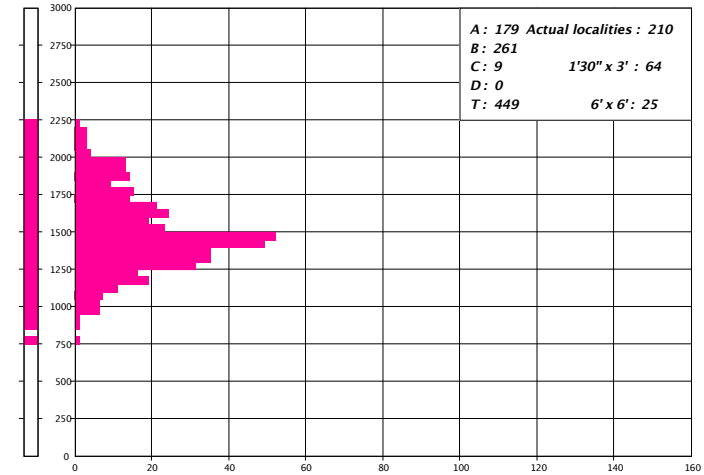
SATYRIDAE *Arethusana arethusa*

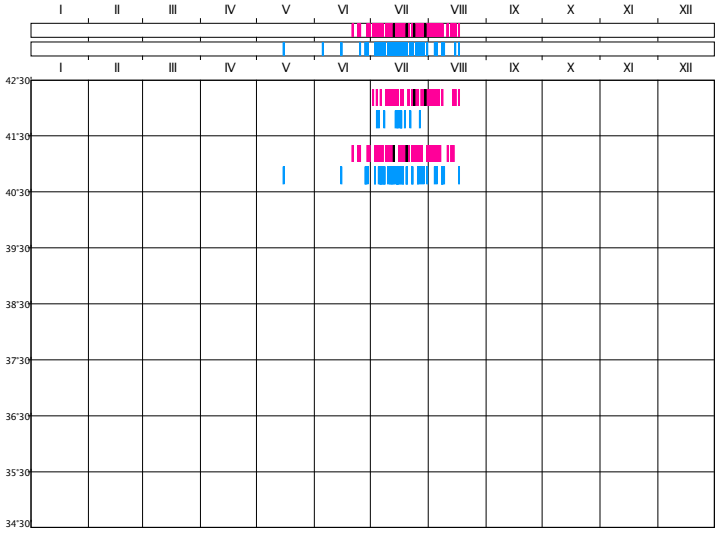




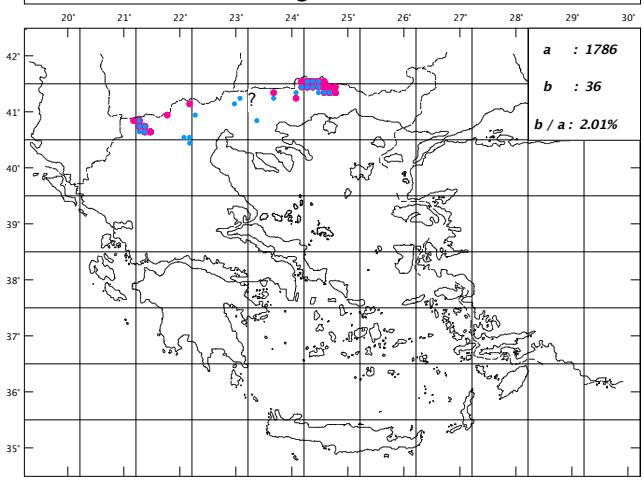


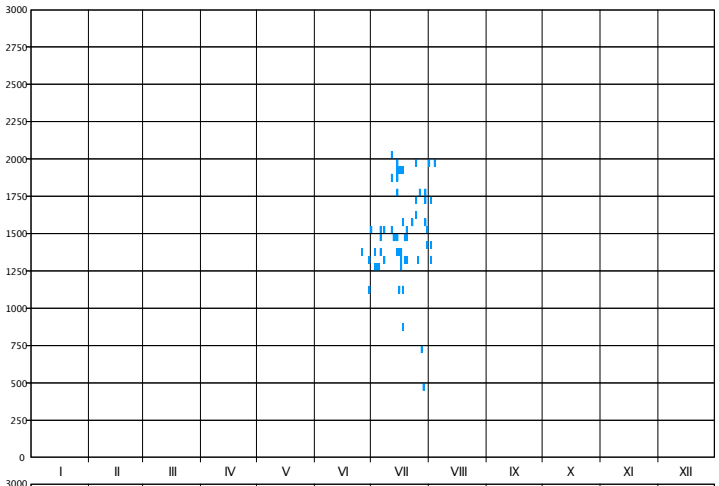


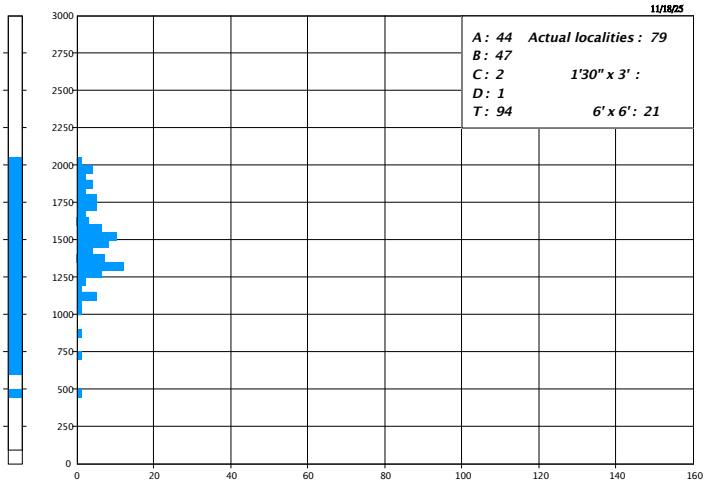


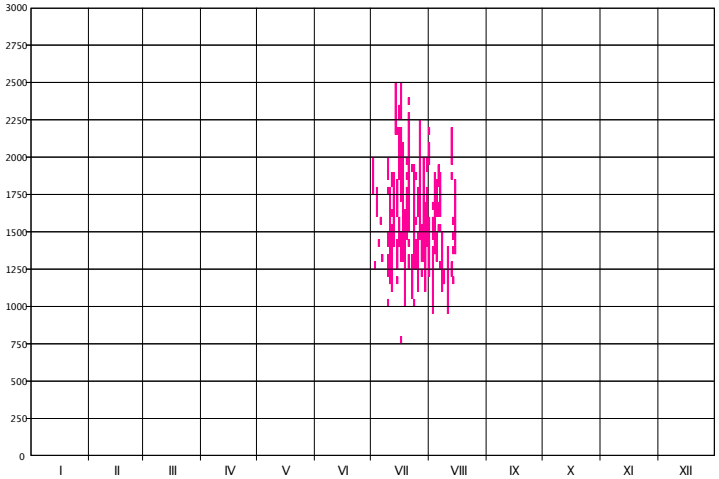


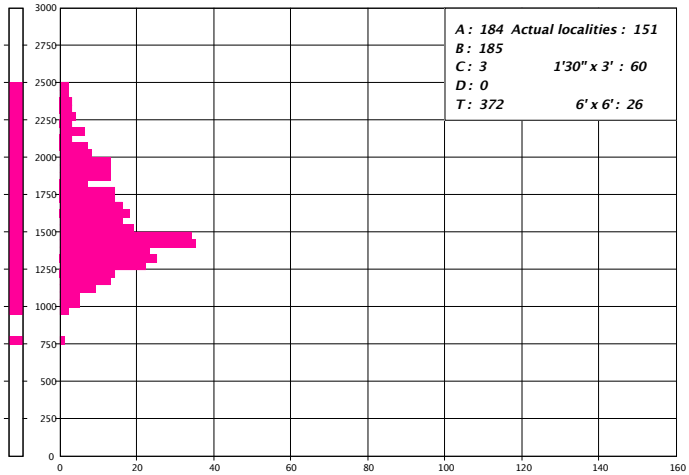
SATYRIDAE *Erebia ligea*

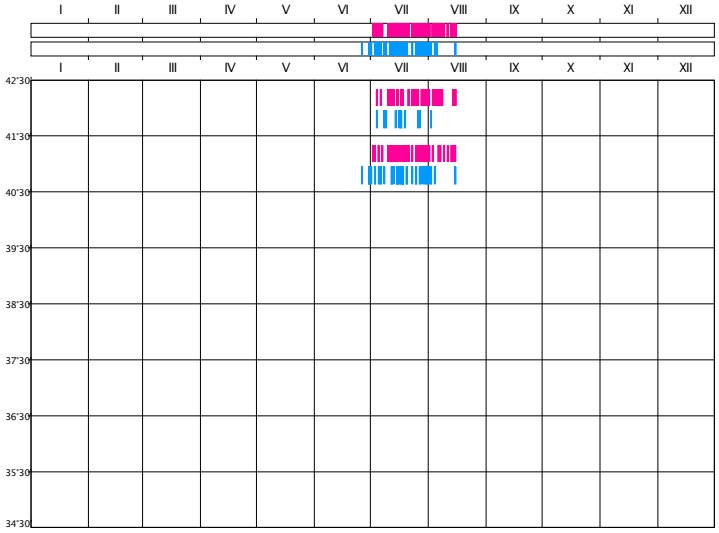




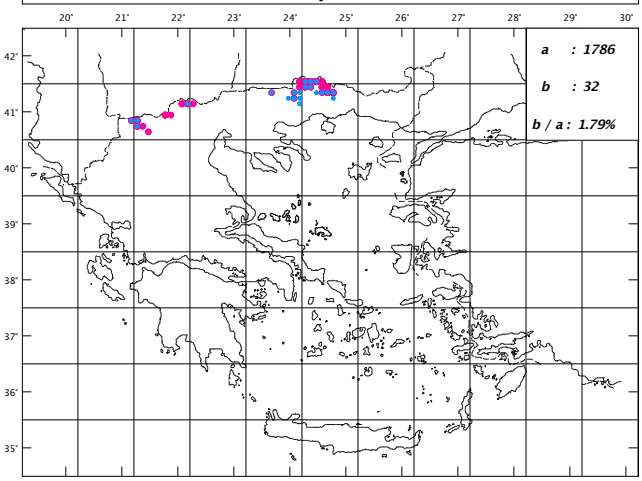


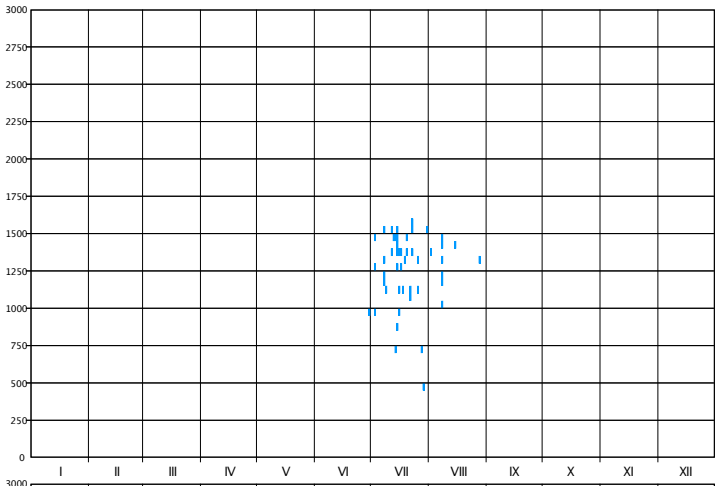


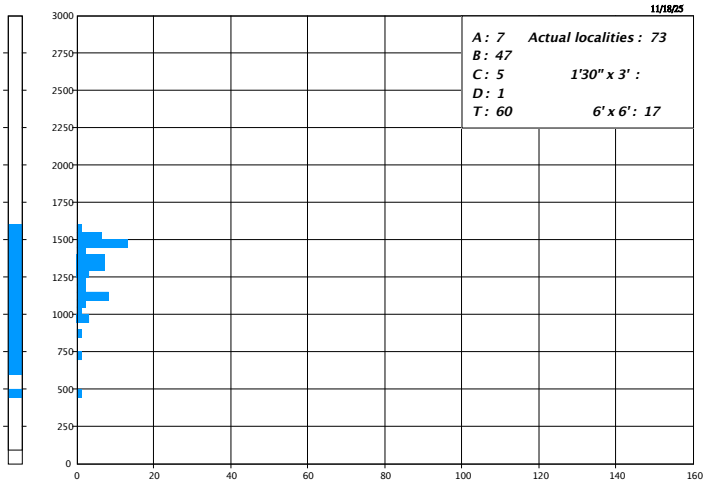


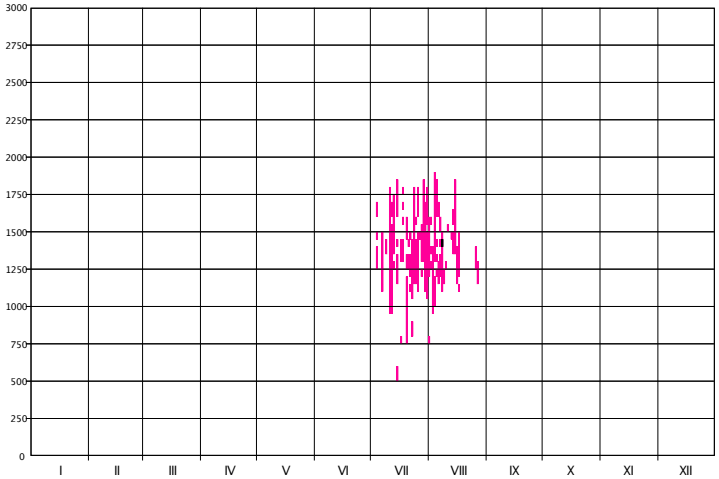


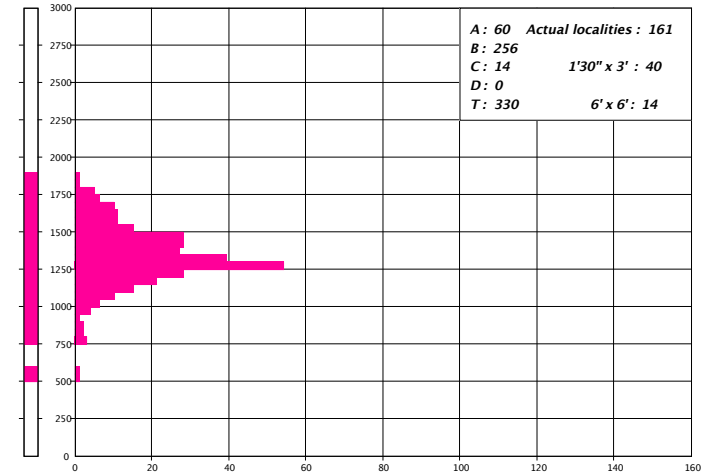
SATYRIDAE *Erebia euryale*

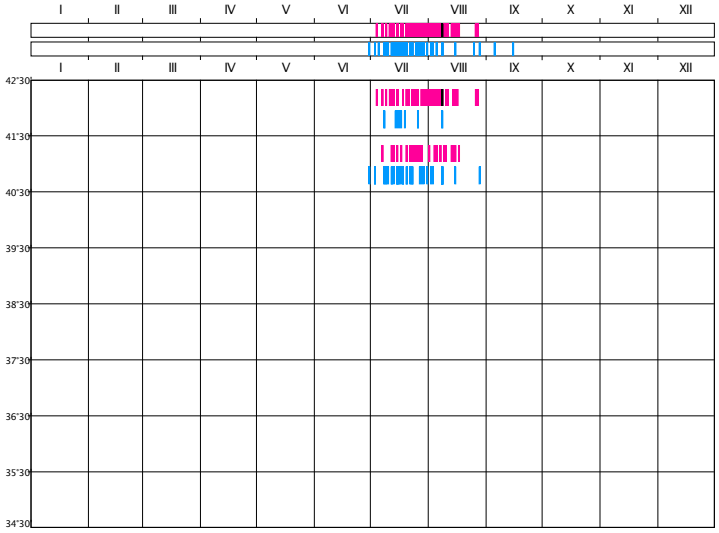




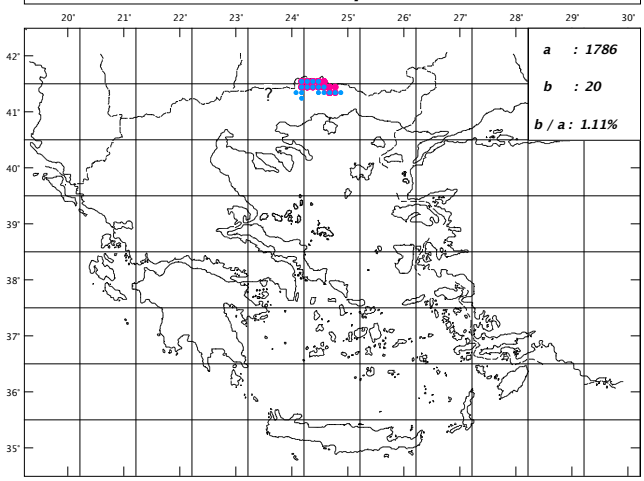


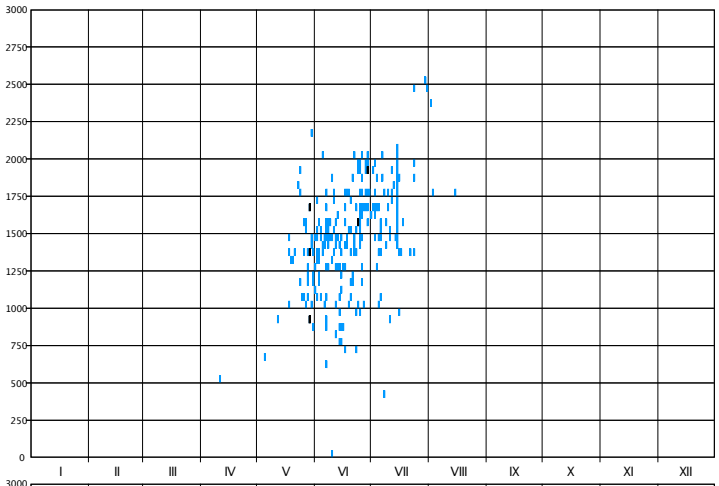


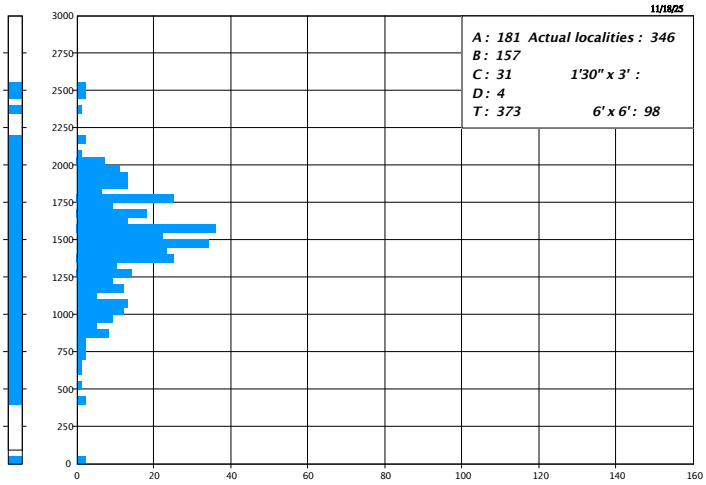


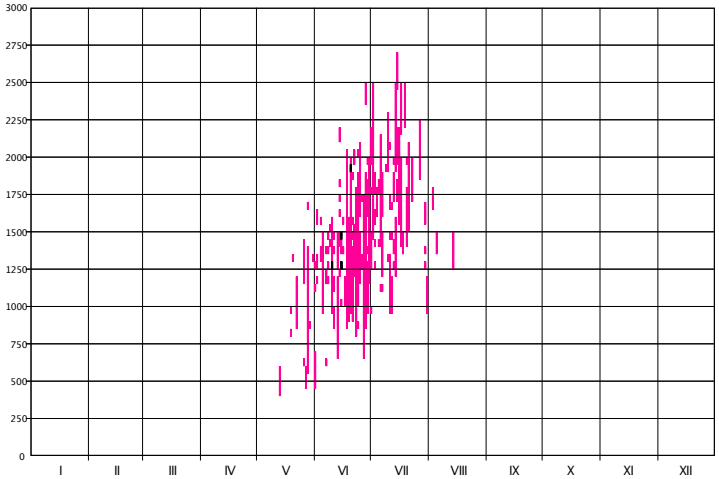


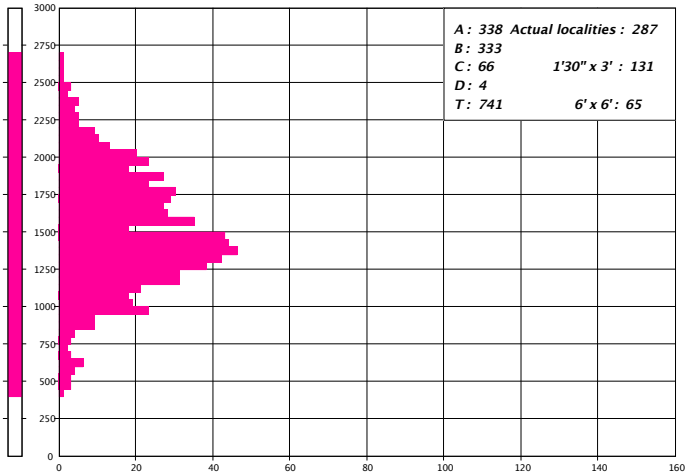
SATYRIDAE *Erebia aethiops*

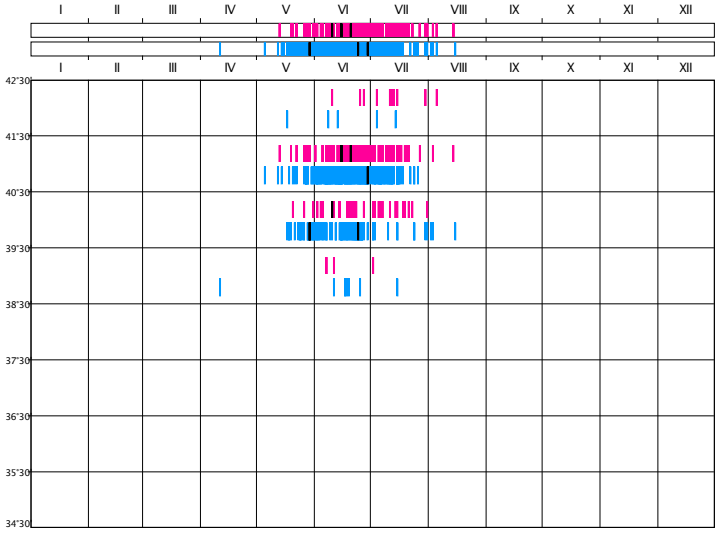




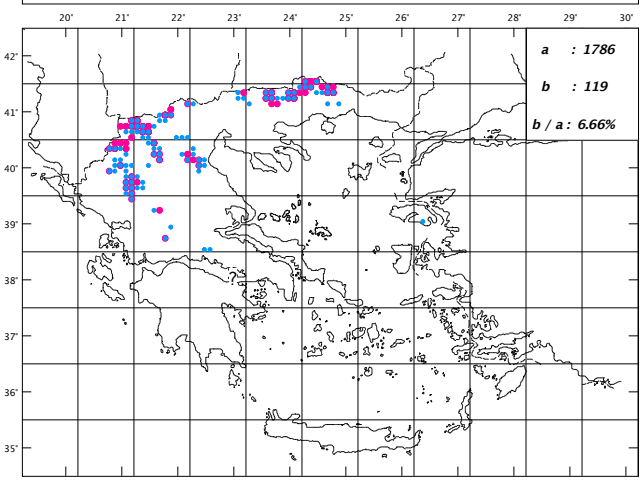


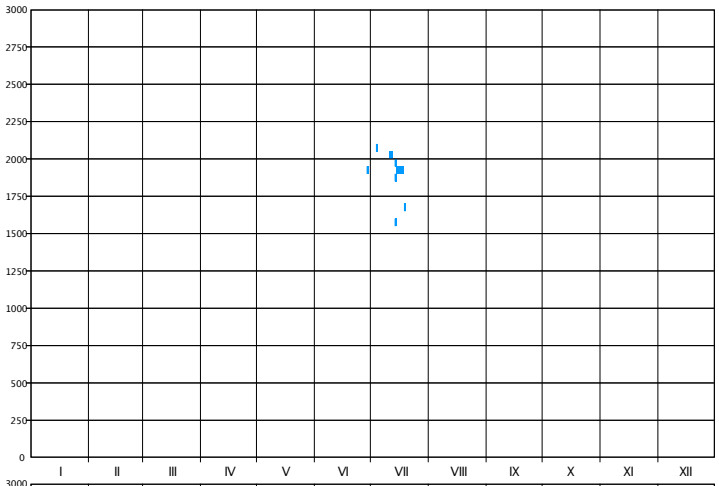


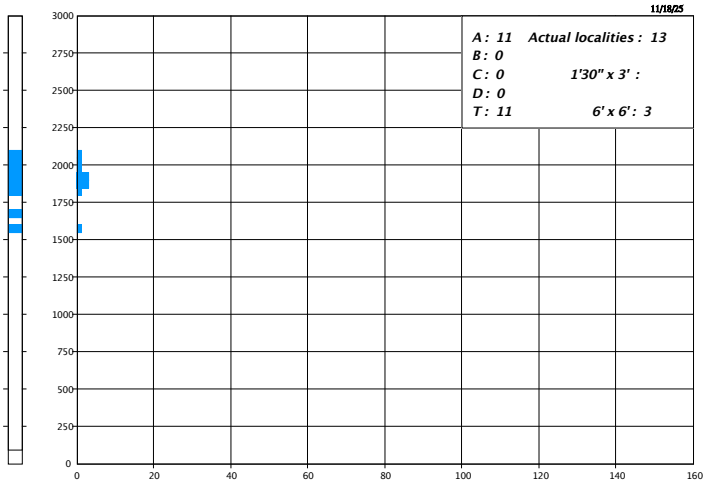


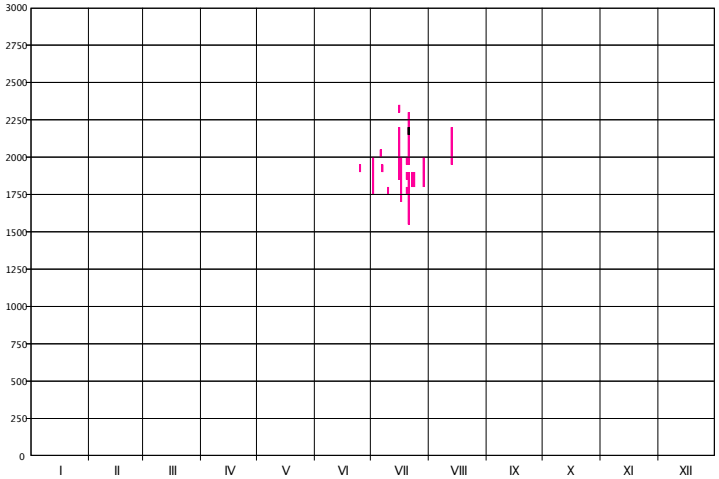


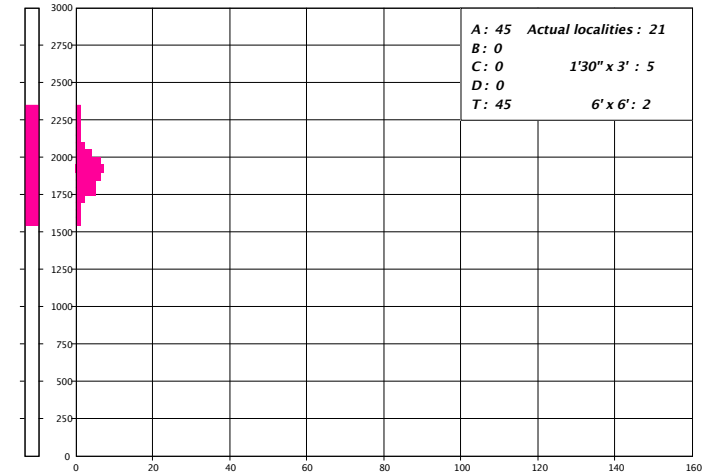
SATYRIDAE *Erebia medusa*

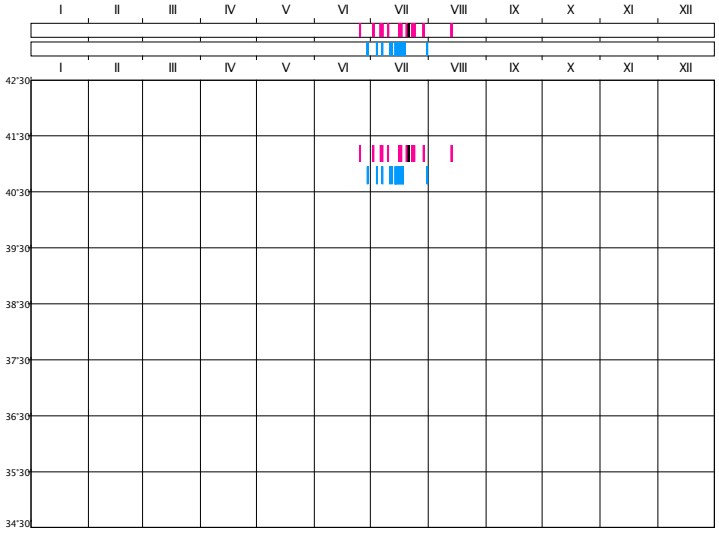




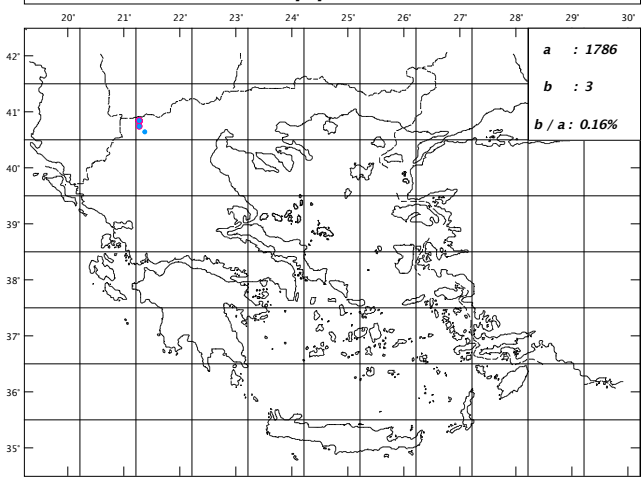


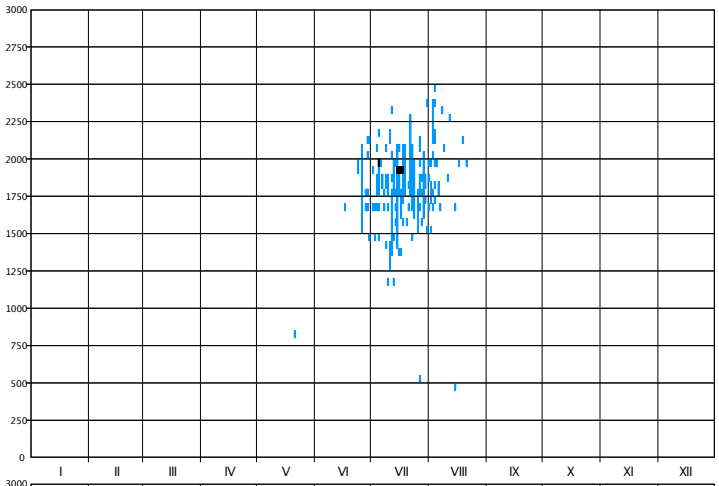


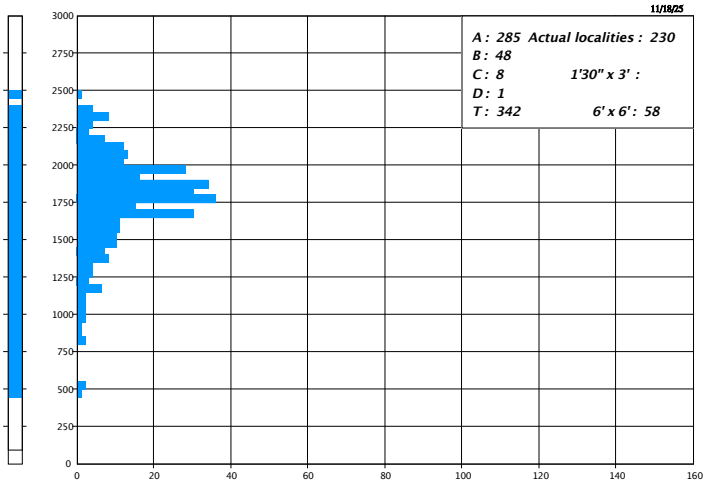


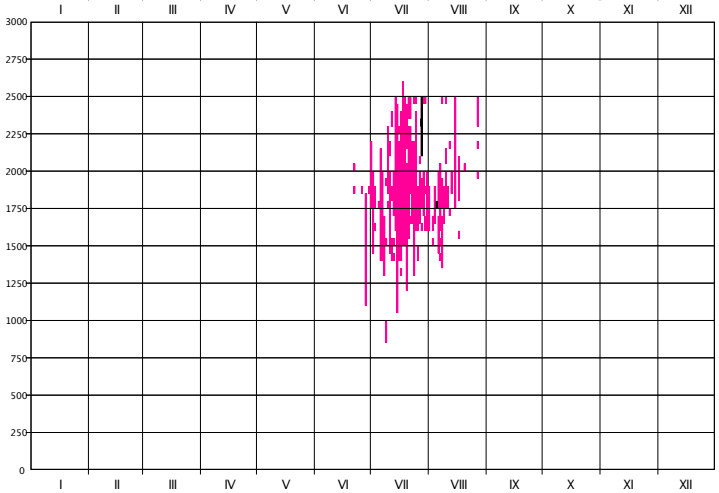


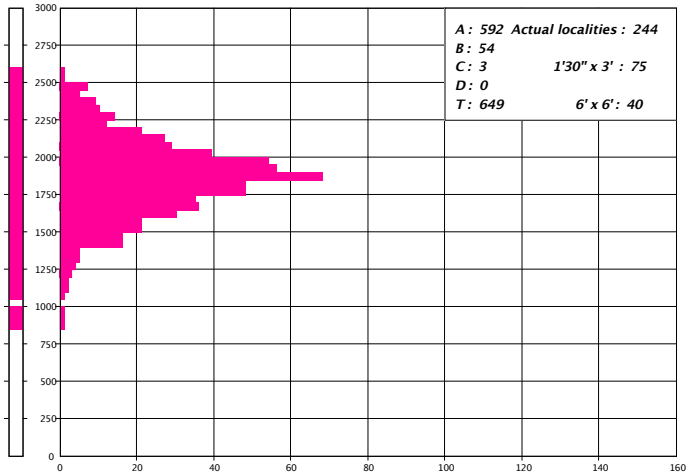
SATYRIDAE *Erebia epiphron*

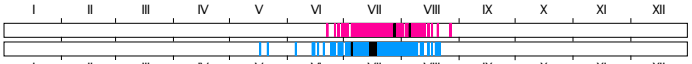




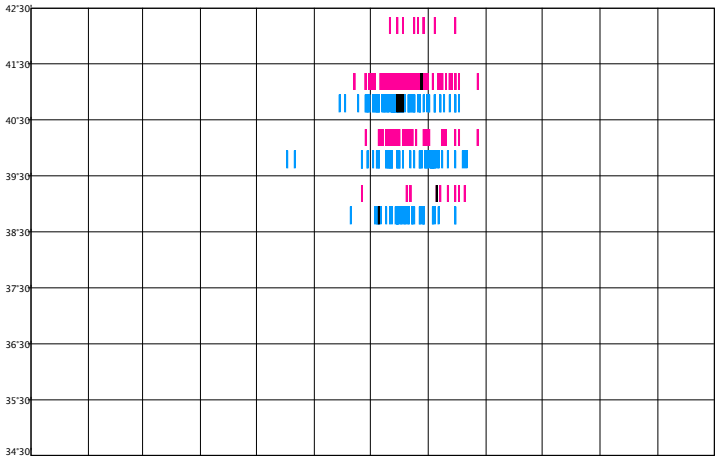


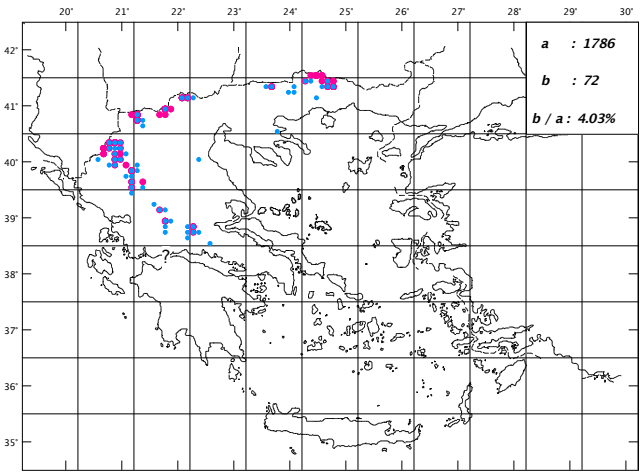


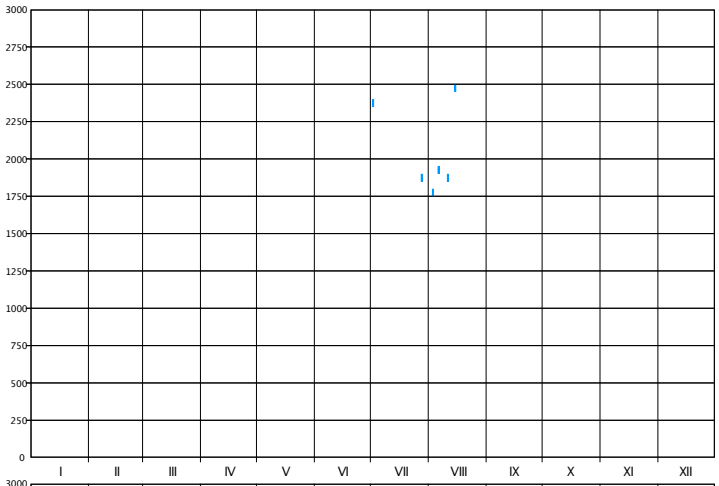


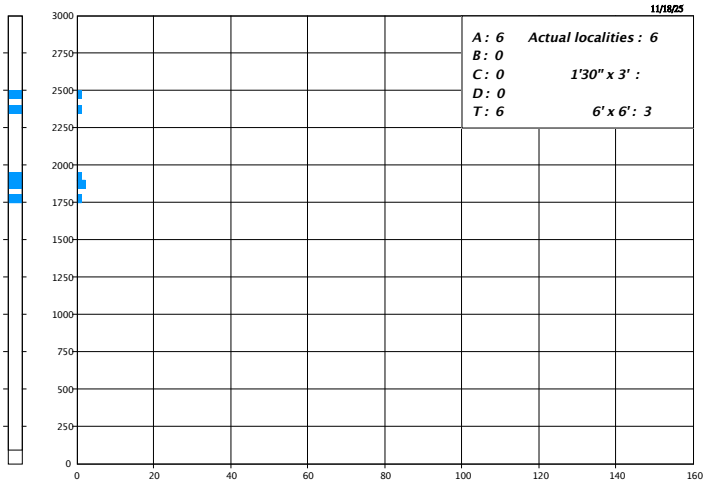


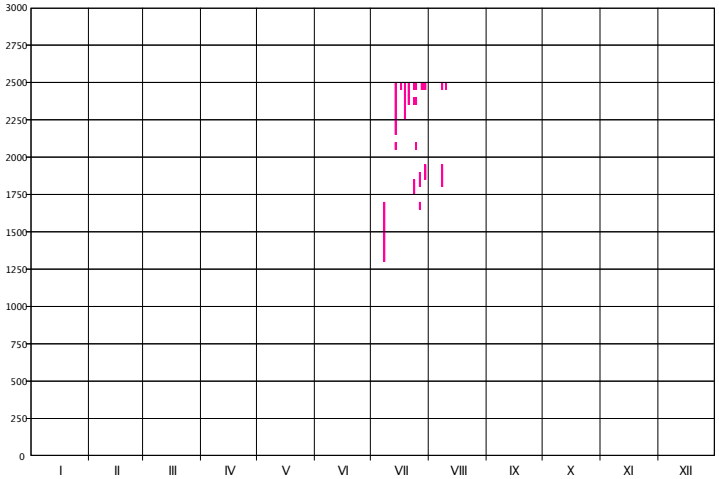
SATYRIDAE *Erebia ottomana*

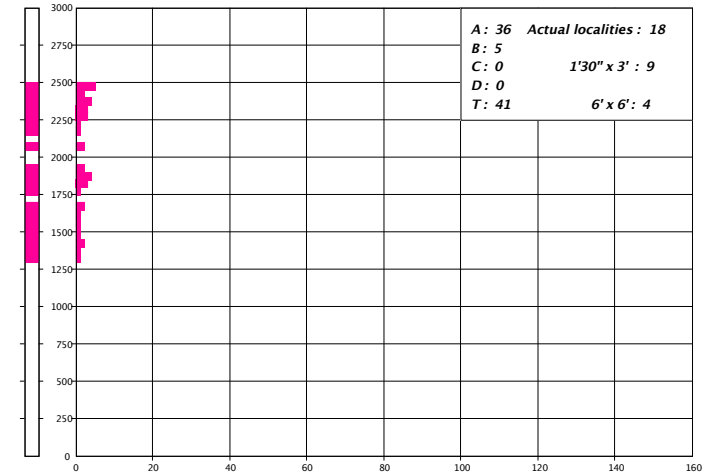


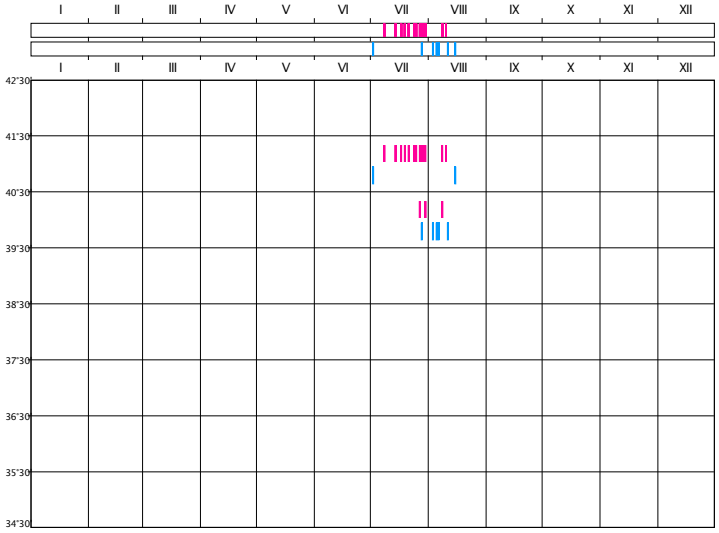




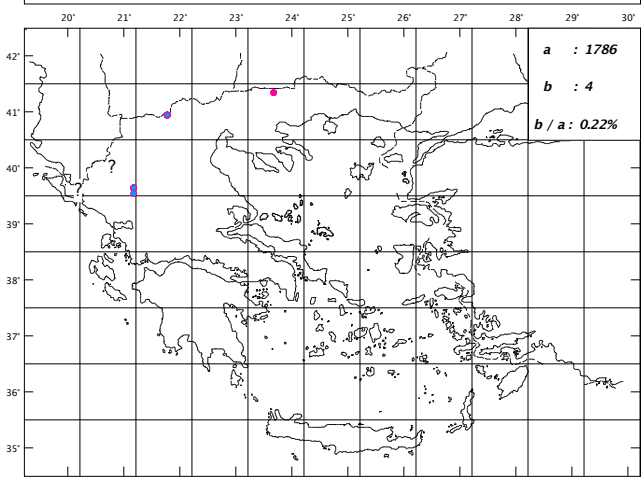


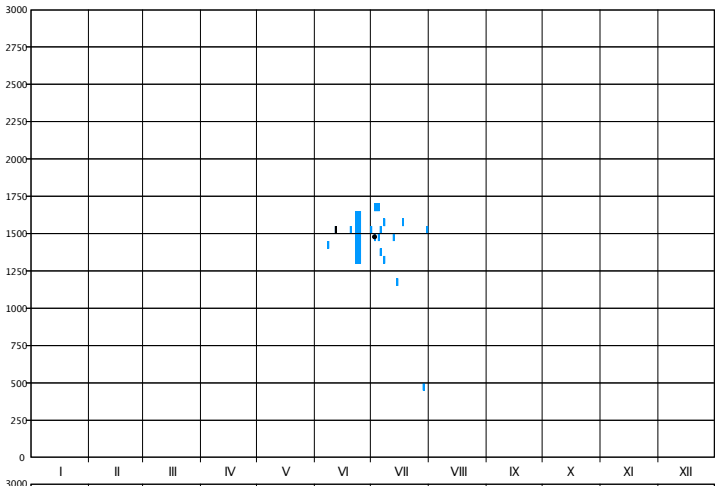


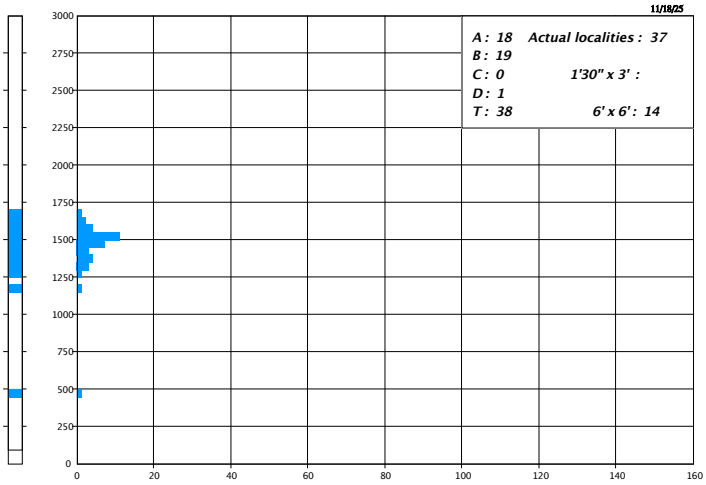


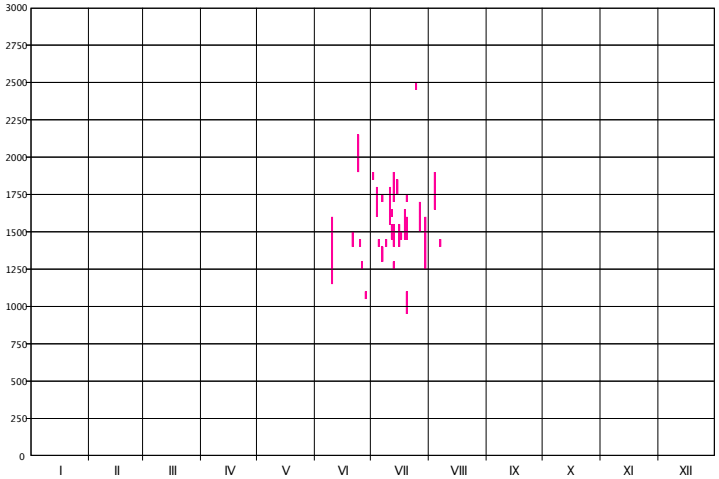


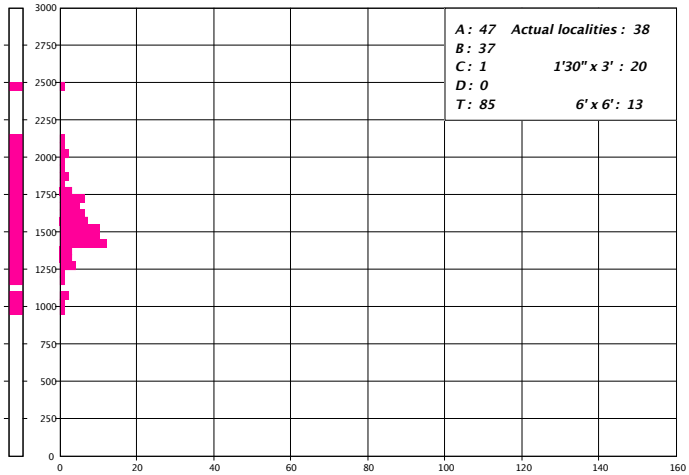
SATYRIDAE *Erebia neleus*

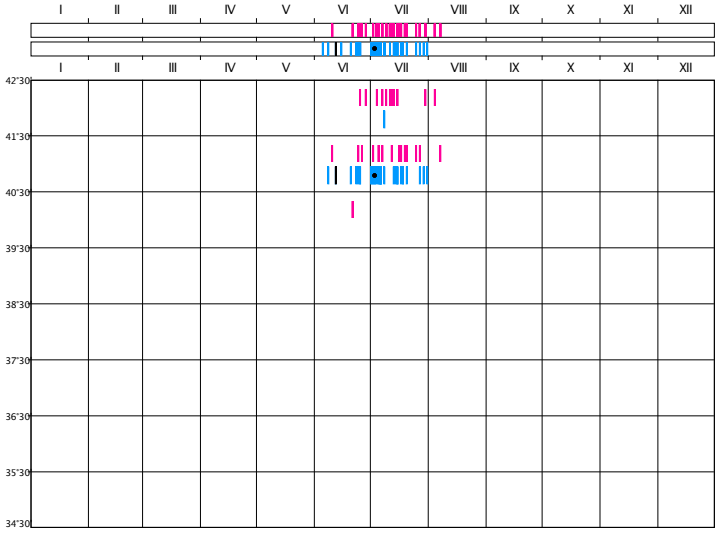




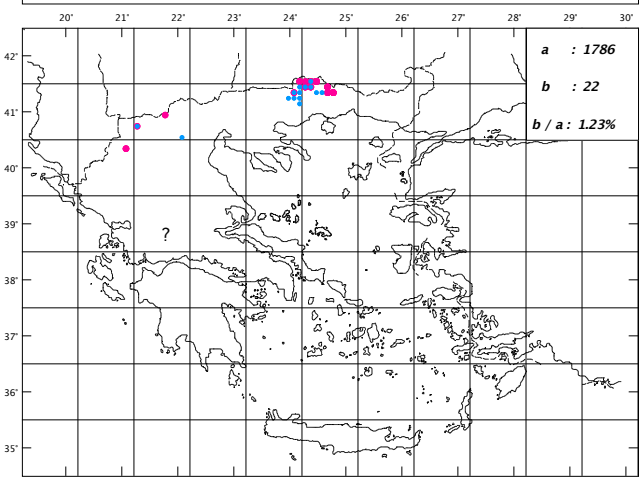


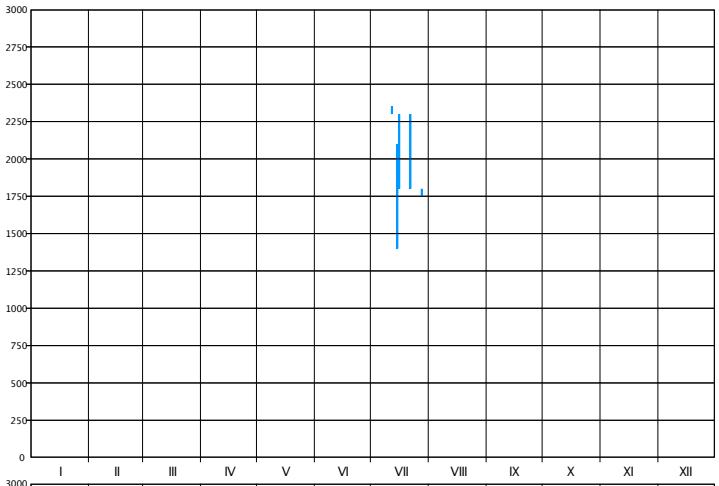


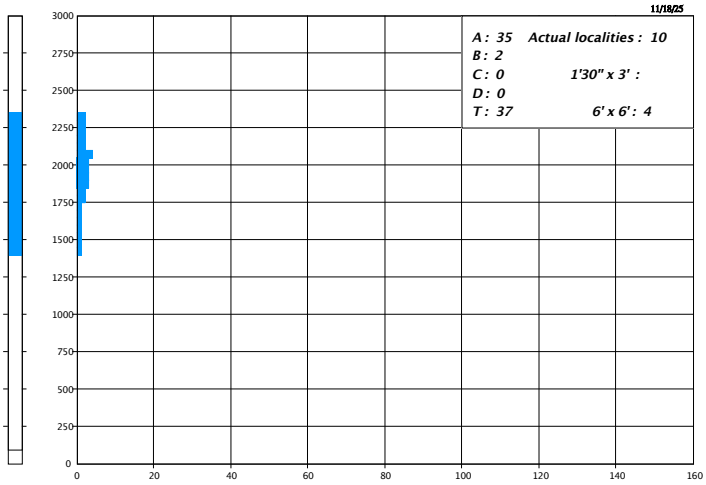


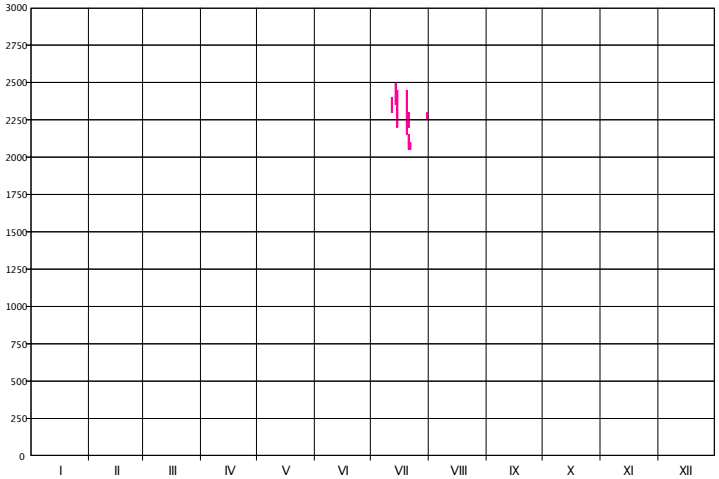


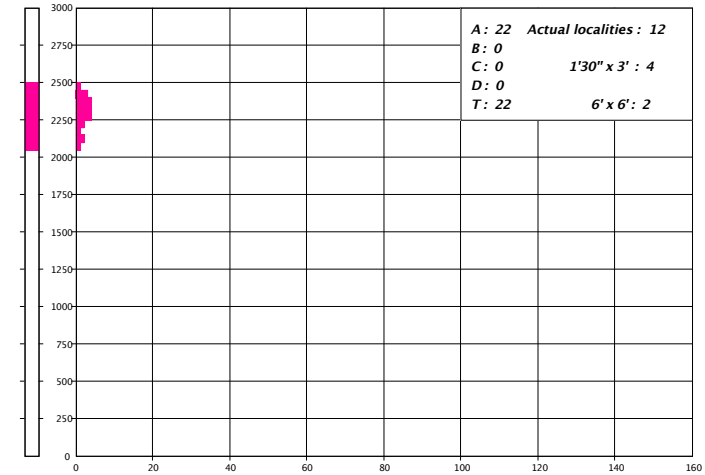
SATYRIDAE *Erebia oeme*

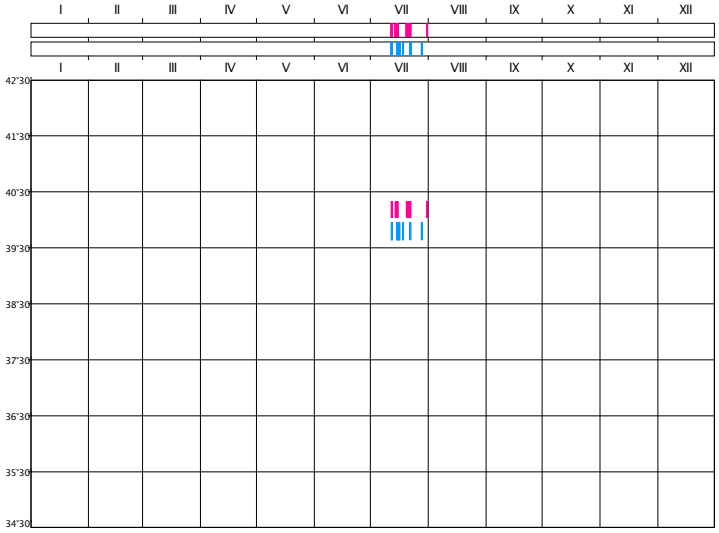




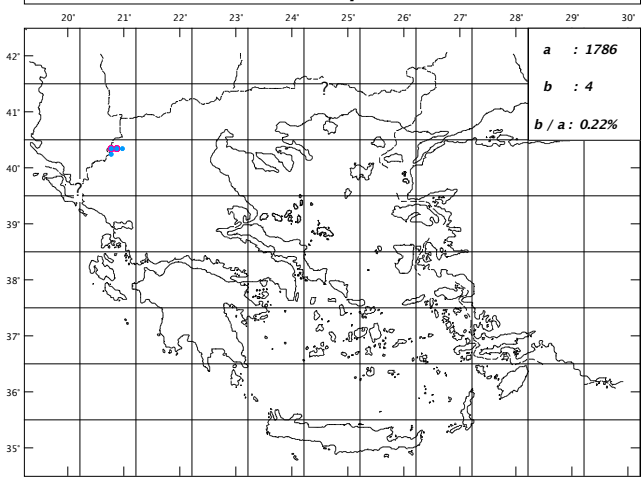


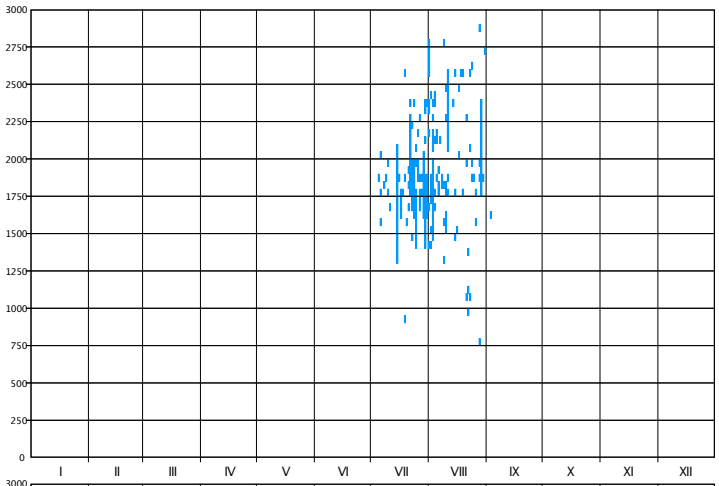


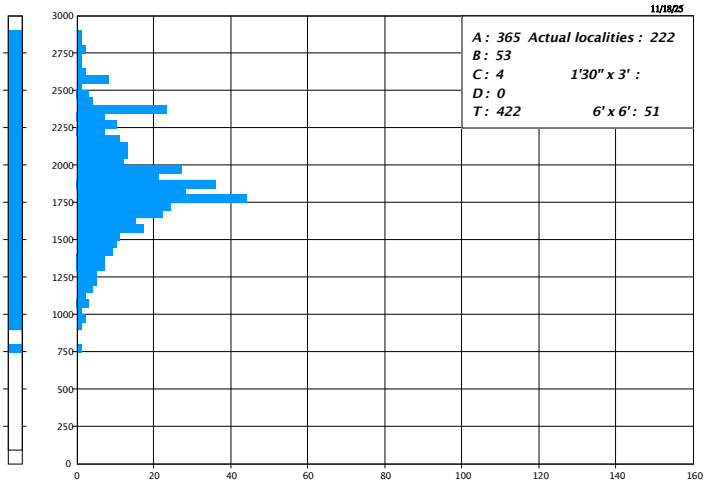


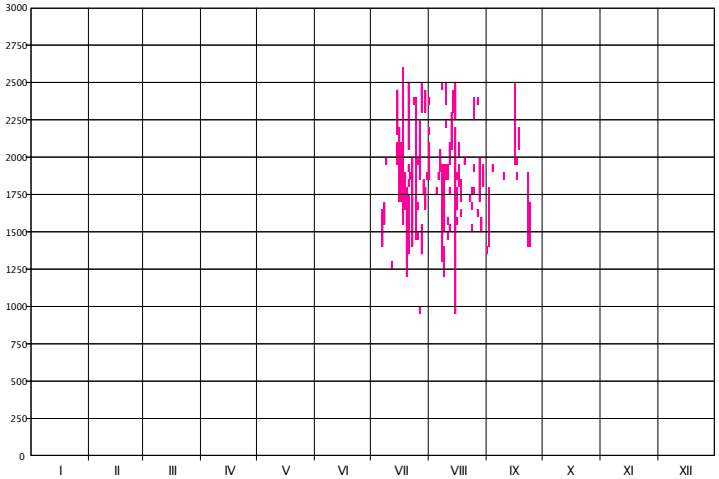


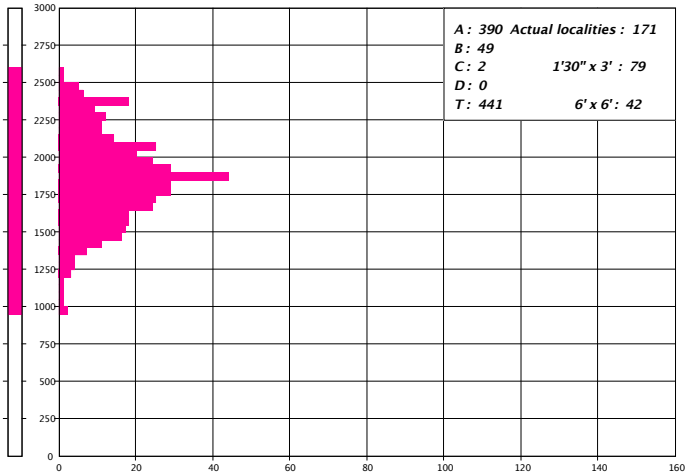
SATYRIDAE *Erebia rhodopensis*

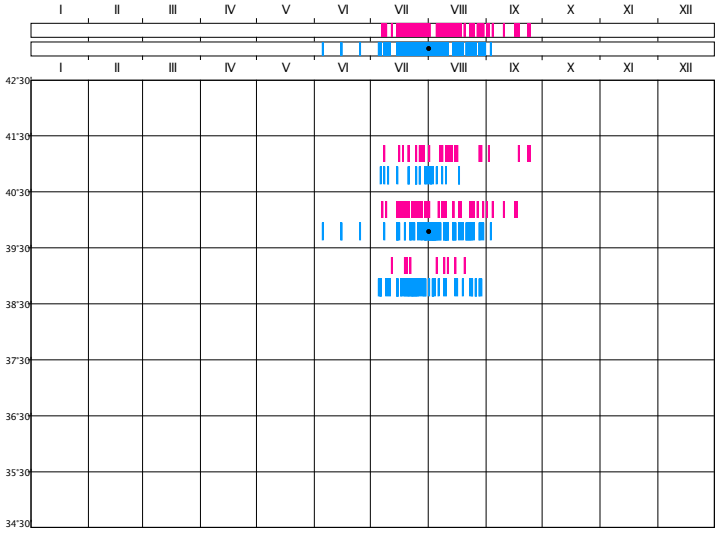




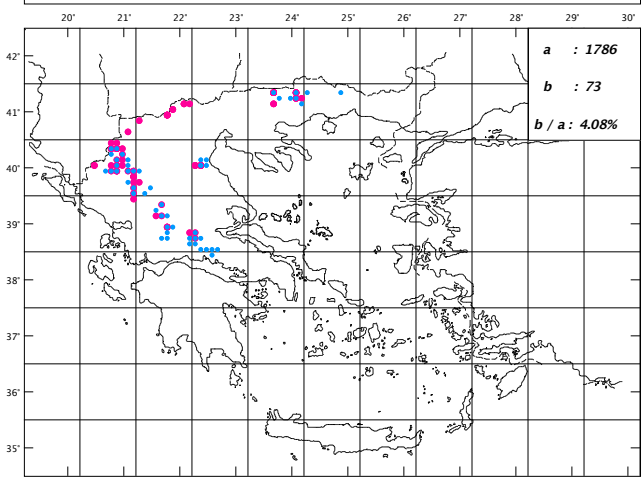


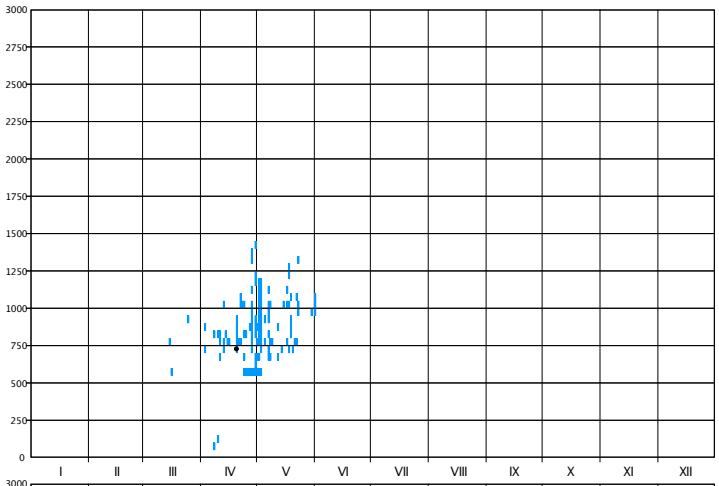


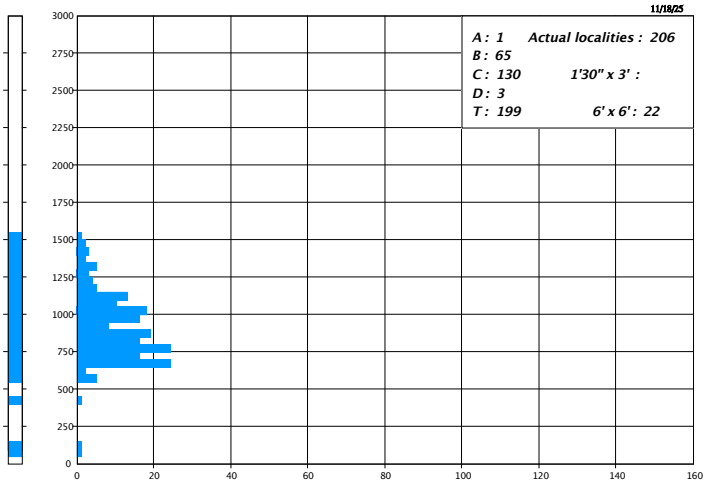


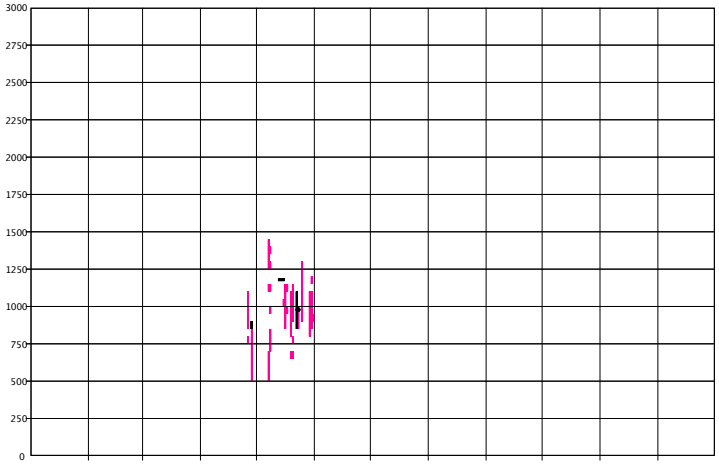


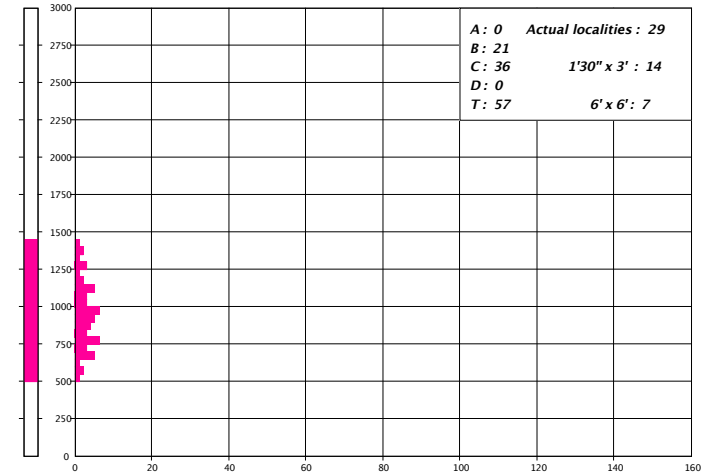
SATYRIDAE *Erebia melas*

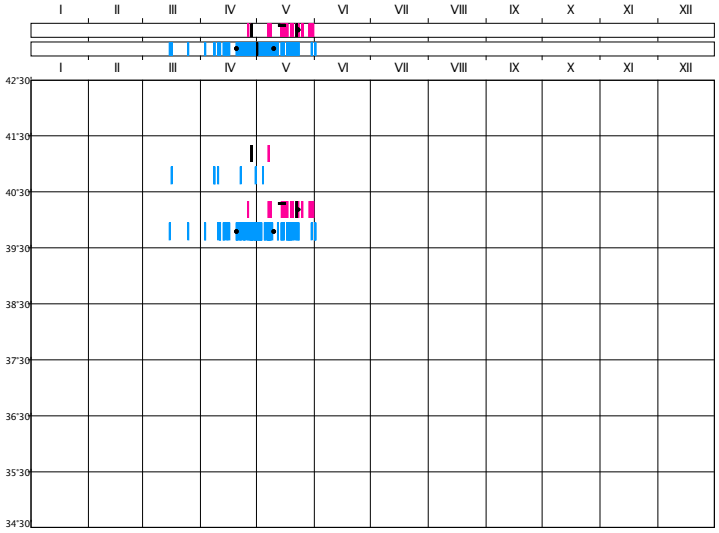




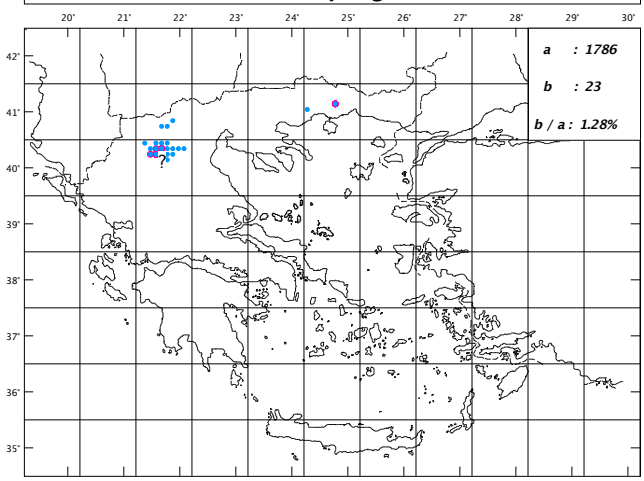


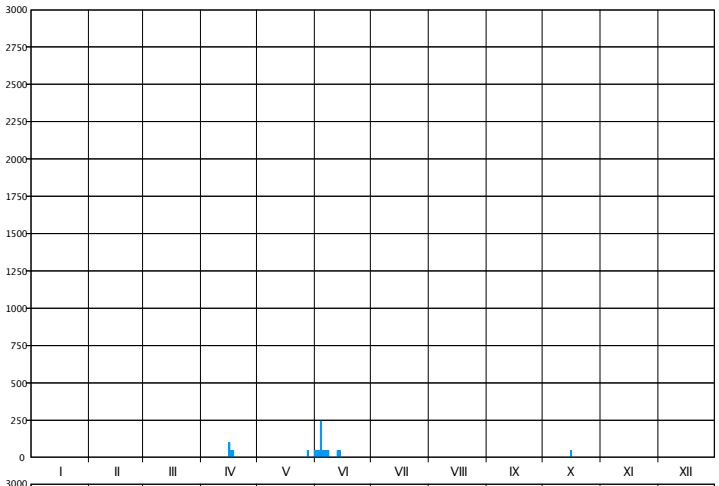


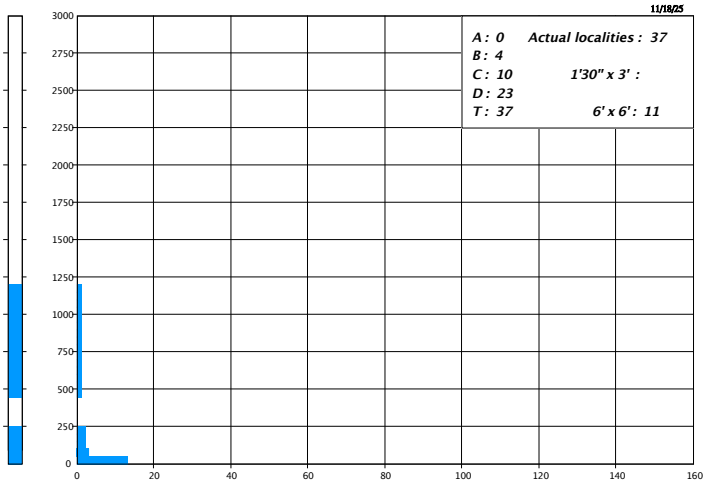


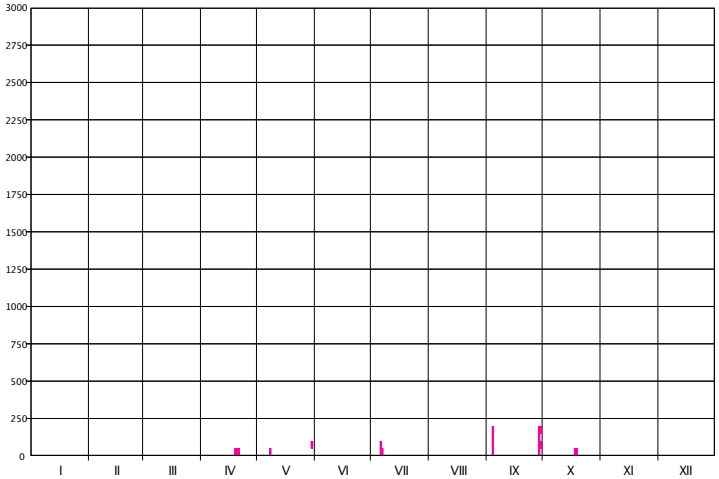


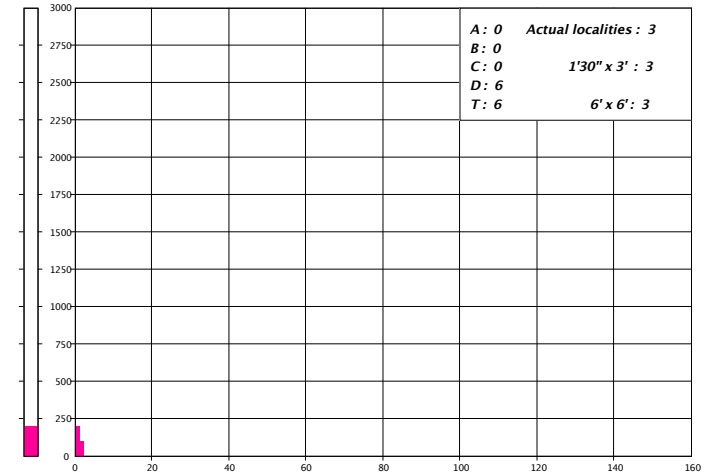
SATYRIDAE *Proterebia phegea*



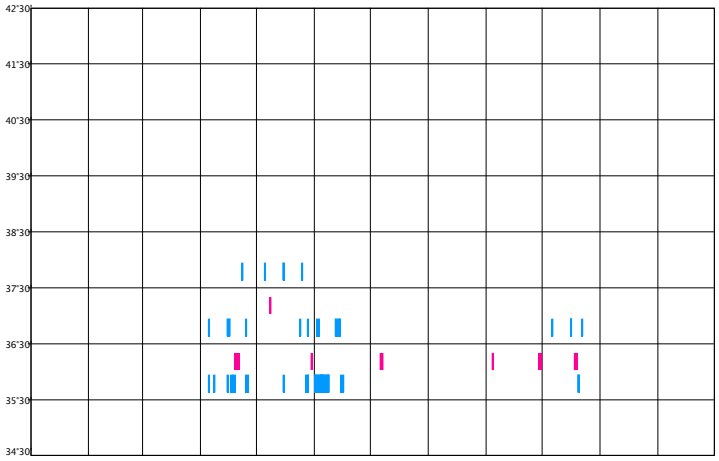


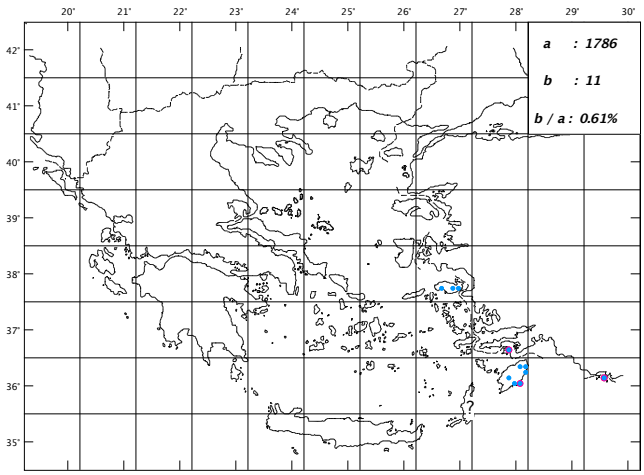


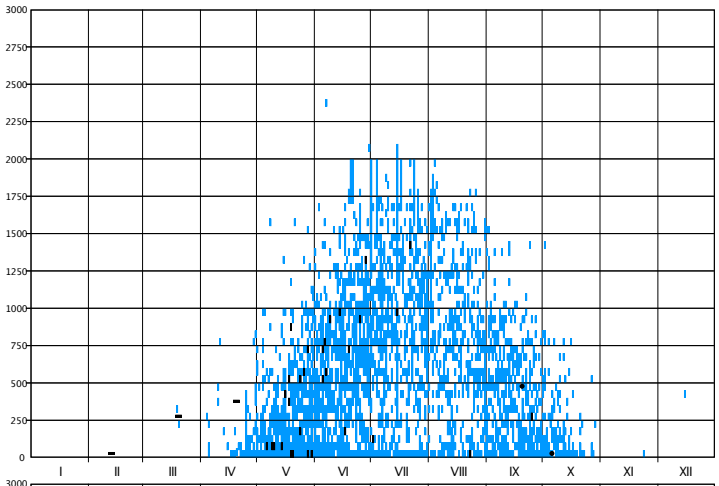


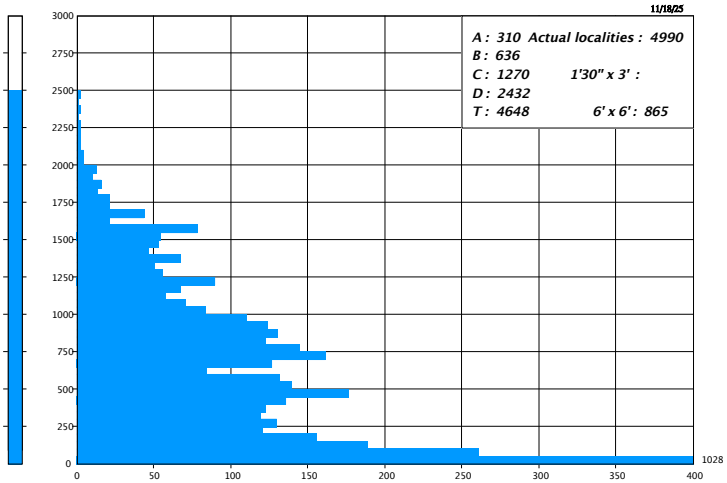


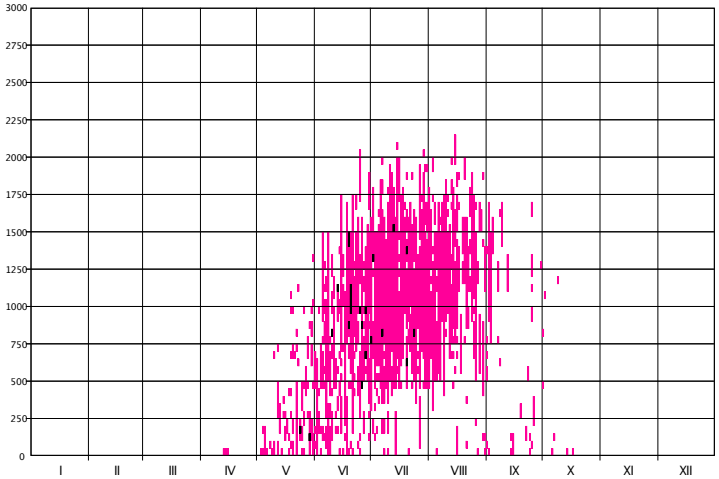
SATYRIDAE *Ypthima asterope*

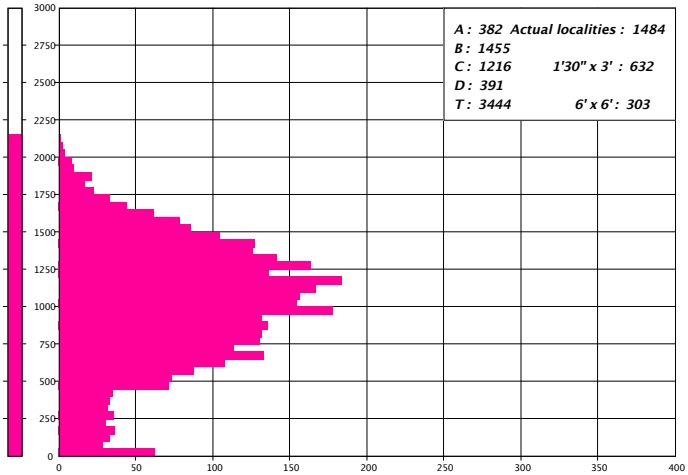


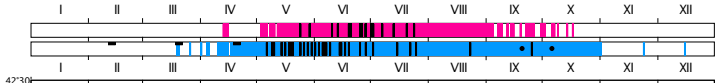




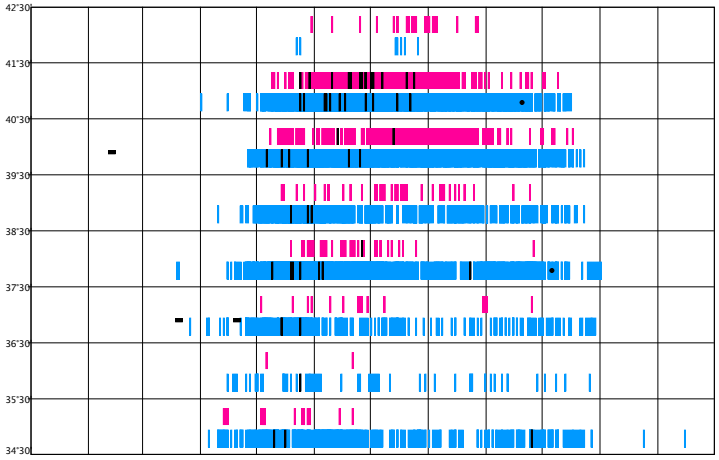


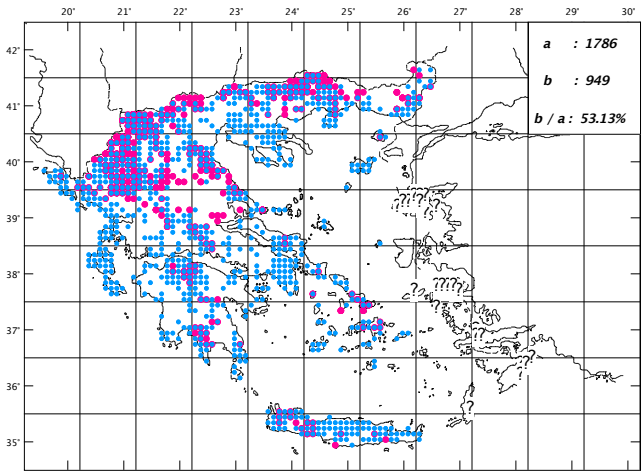


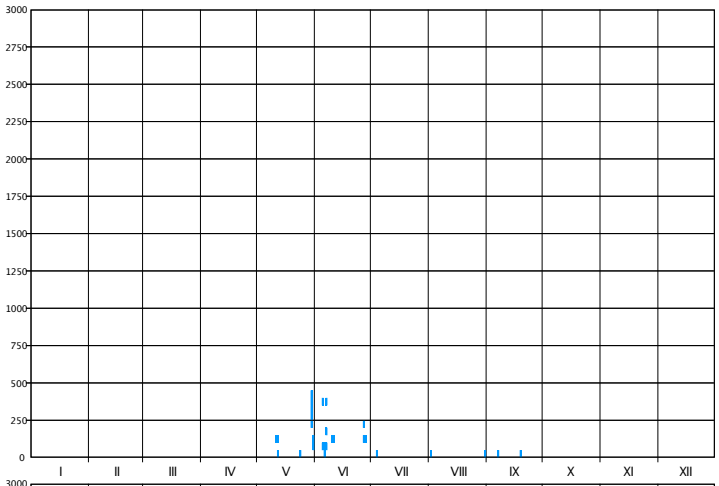


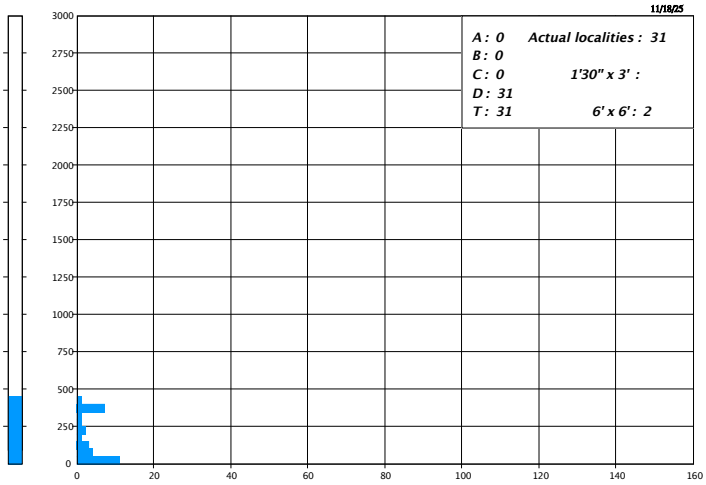


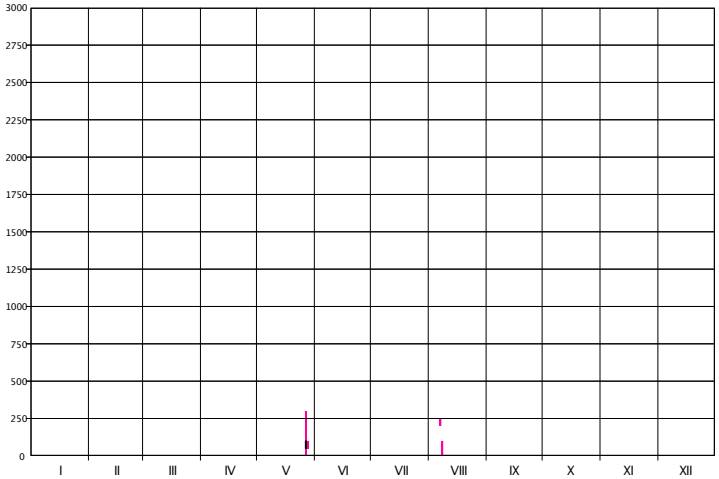
SATYRIDAE *Maniola jurtina*

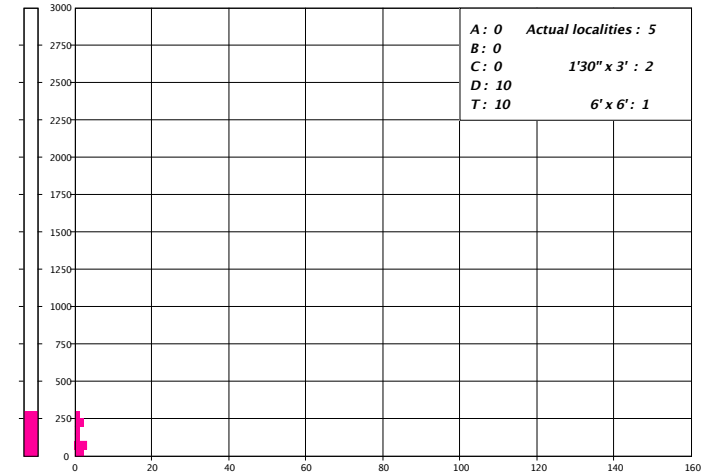


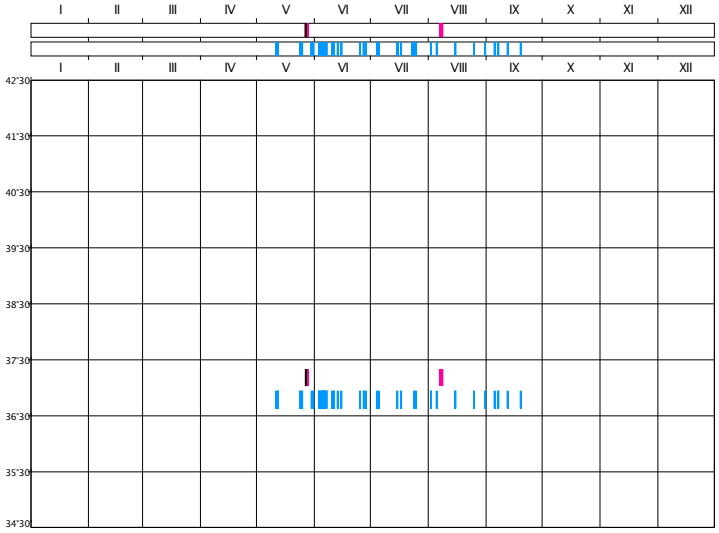




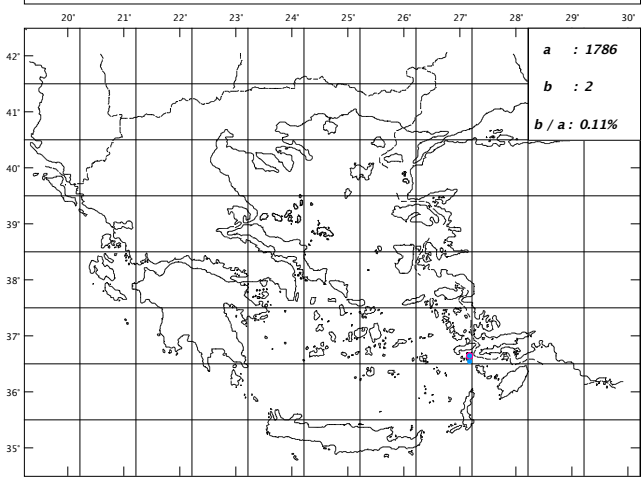


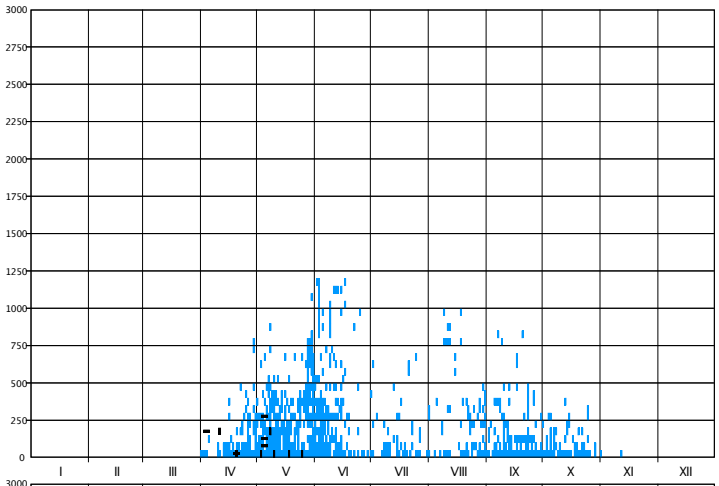


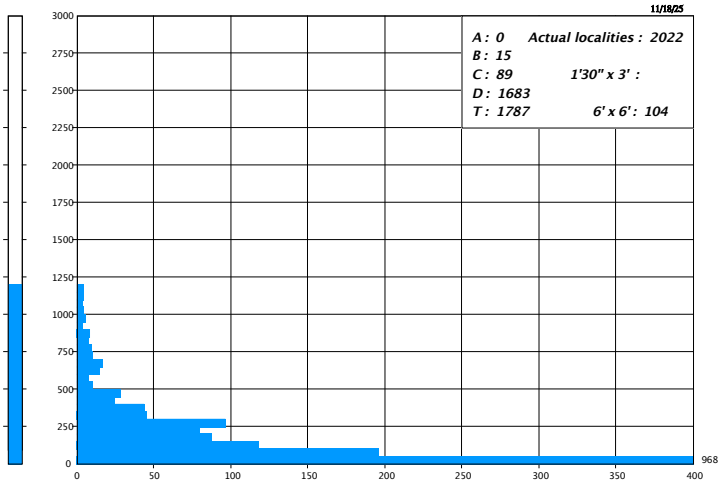


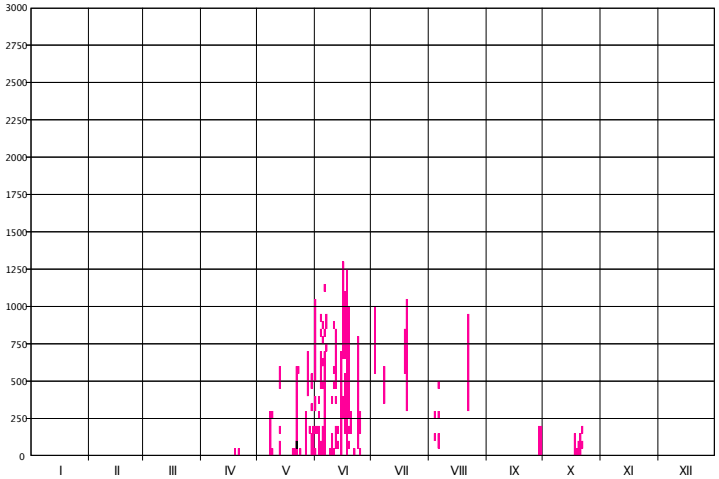


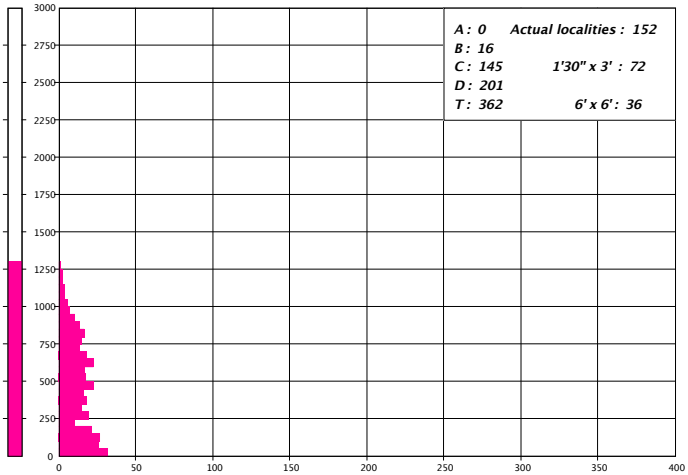
SATYRIDAE *Maniola halicarnassus*



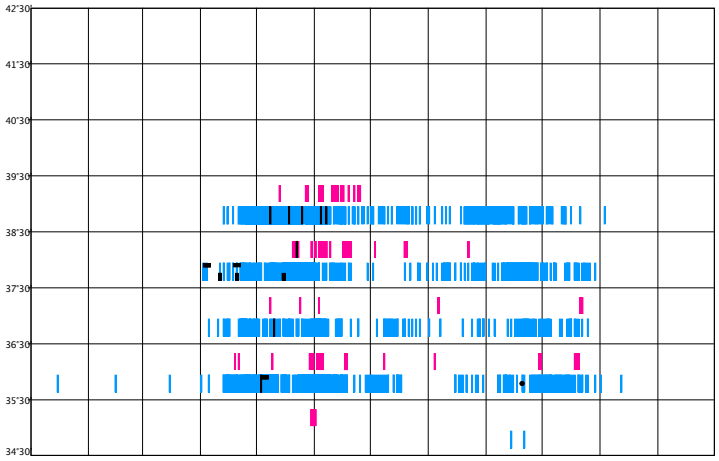


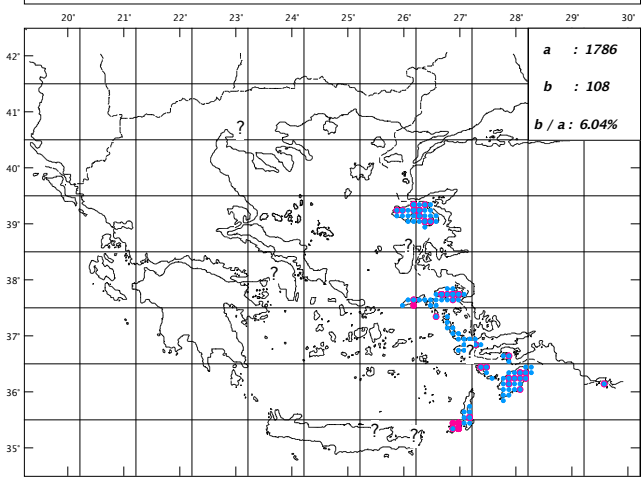


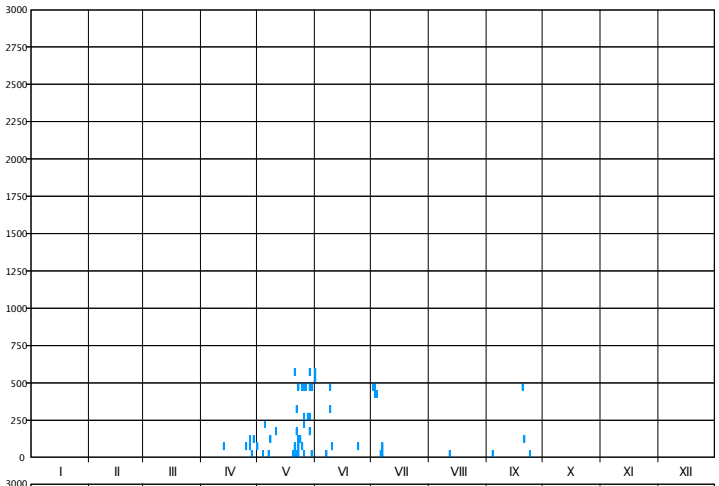


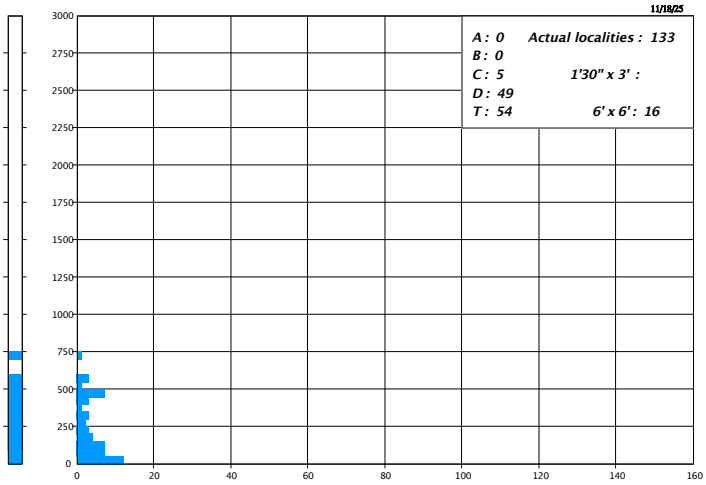


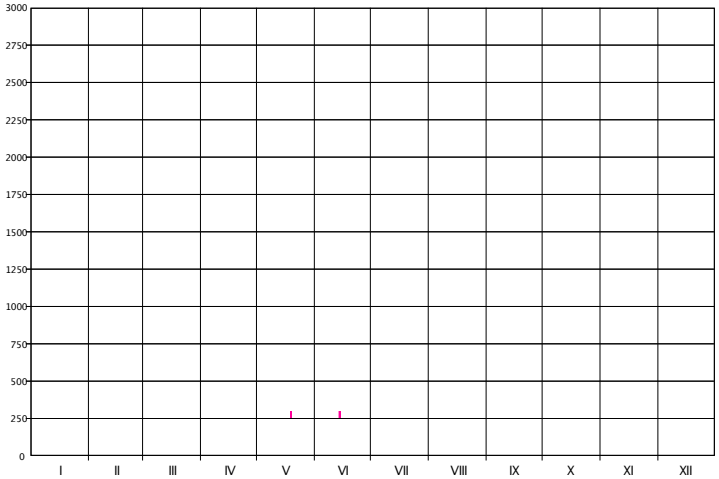
SATYRIDAE *Maniola telmessia*

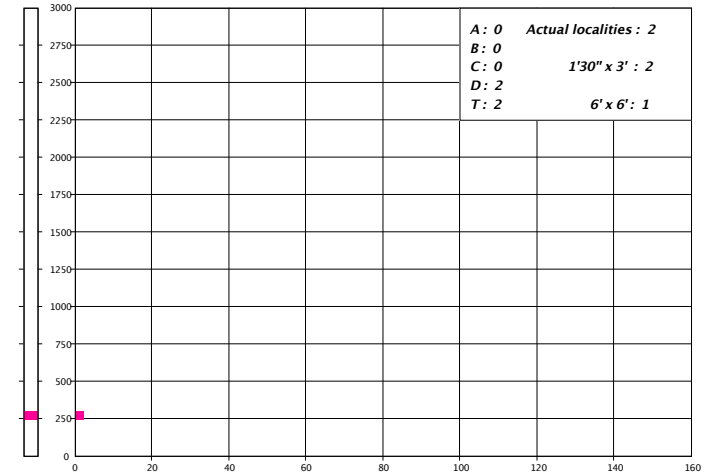


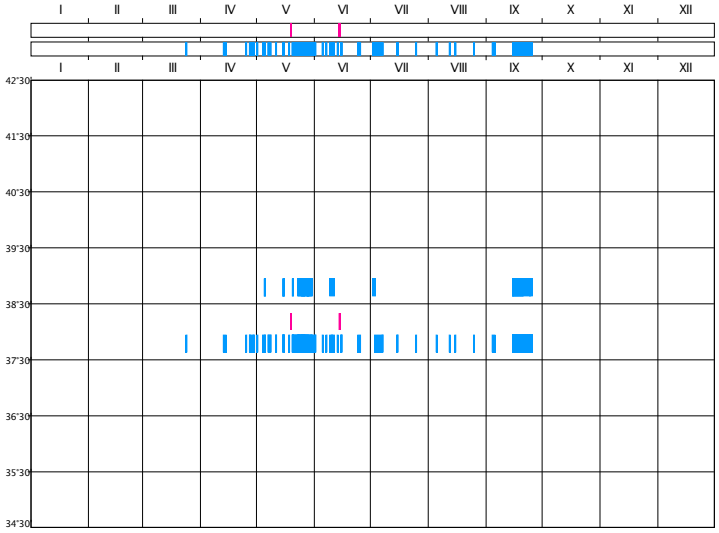




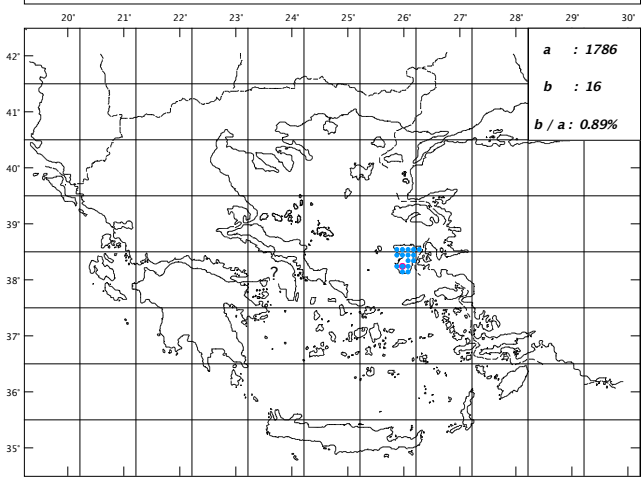


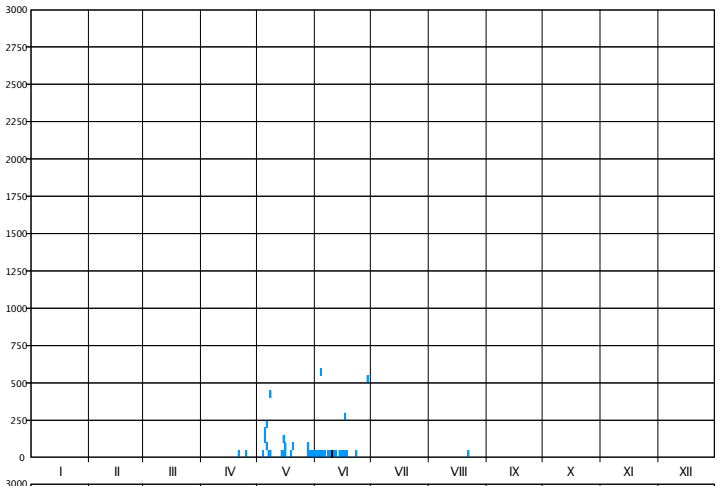


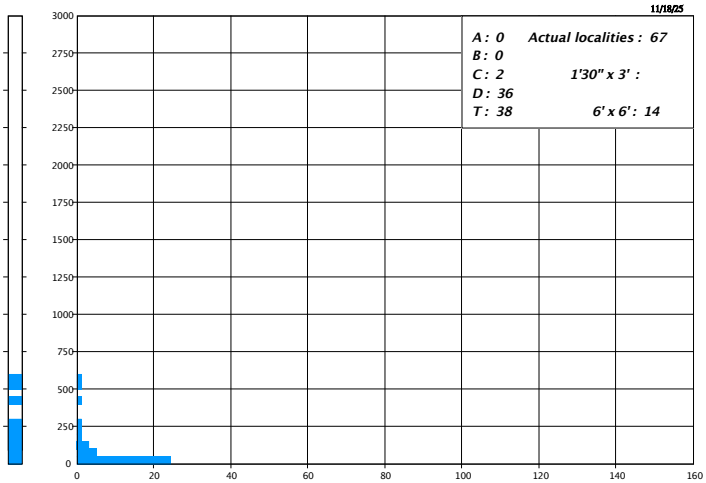


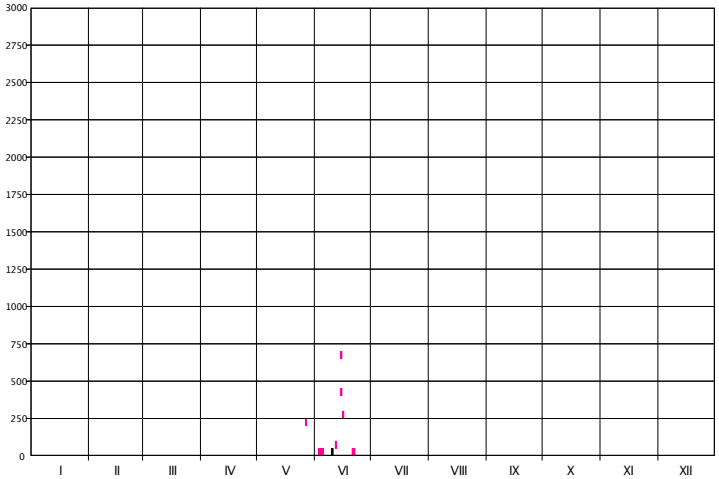


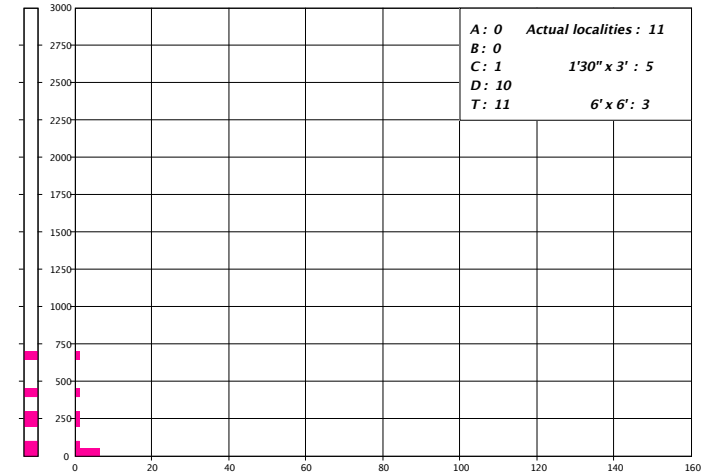
SATYRIDAE *Maniola chia*

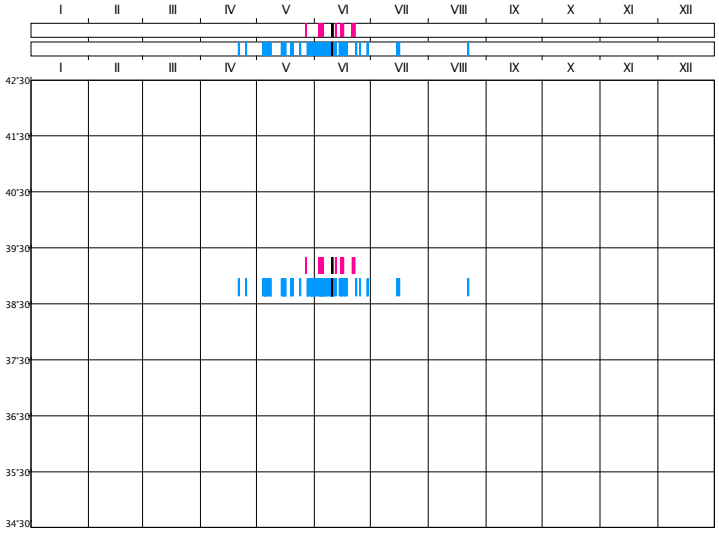




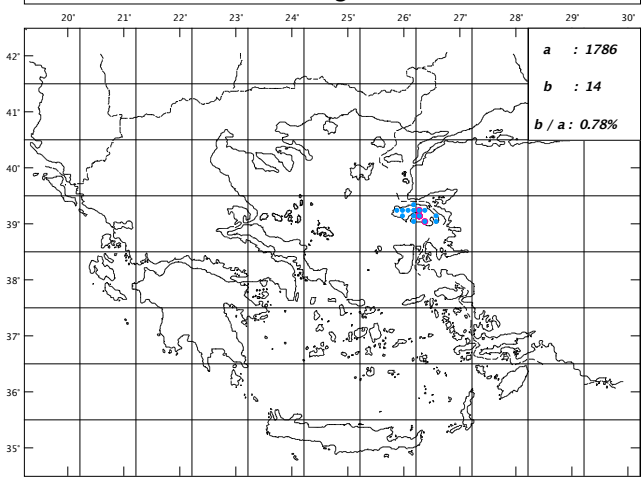


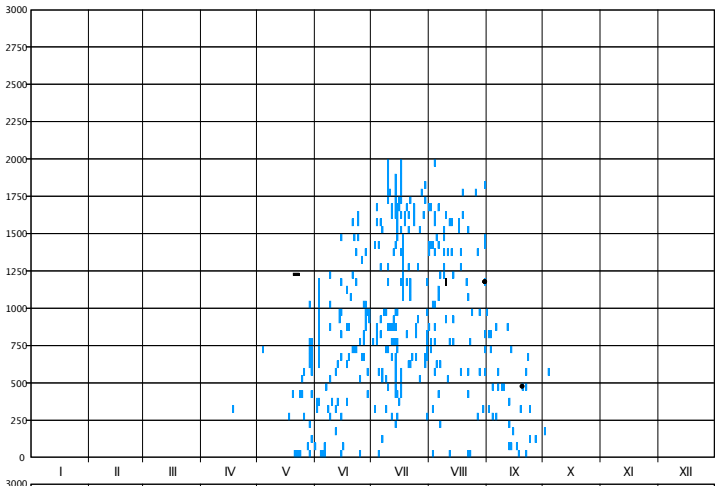


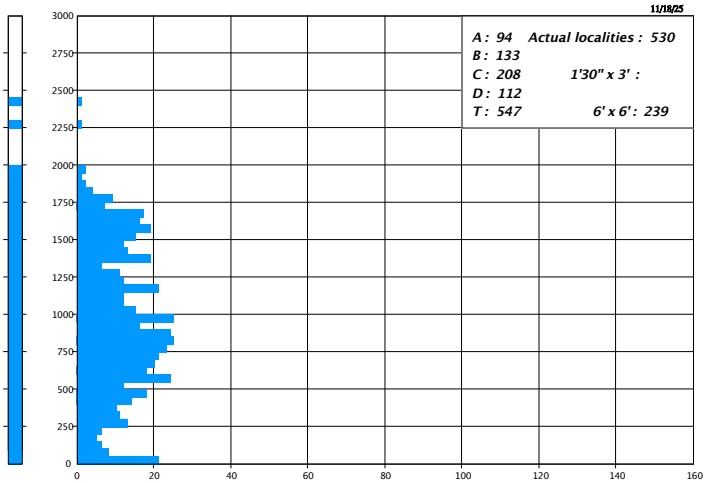


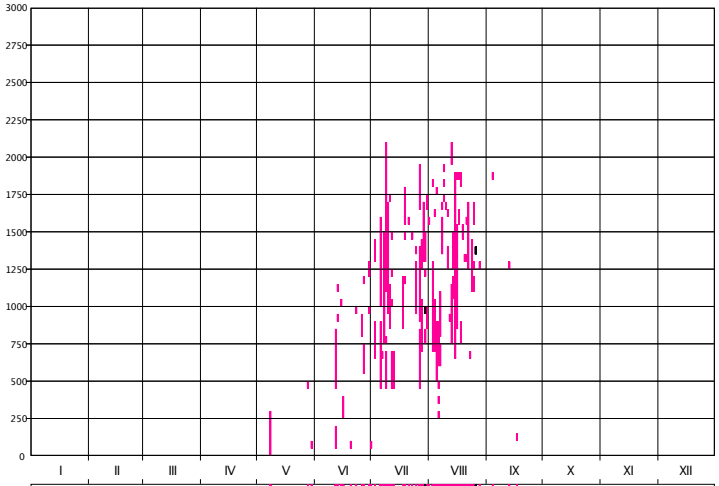


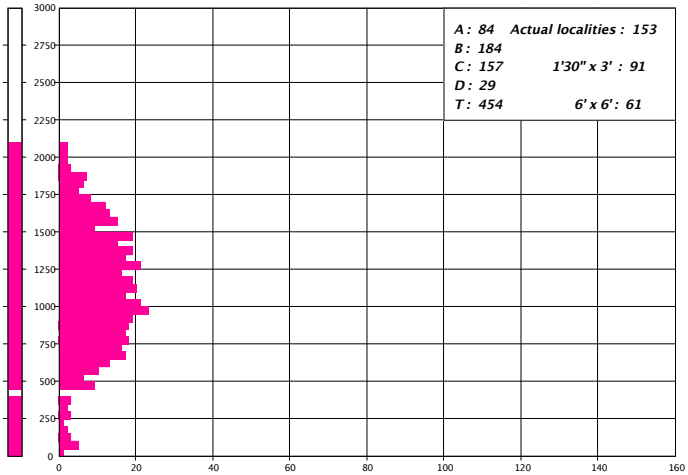
SATYRIDAE *Maniola megala*

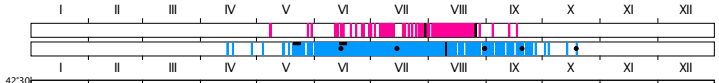




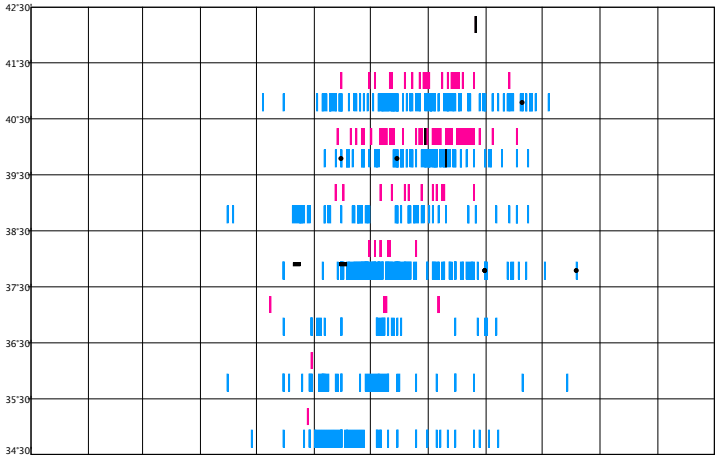


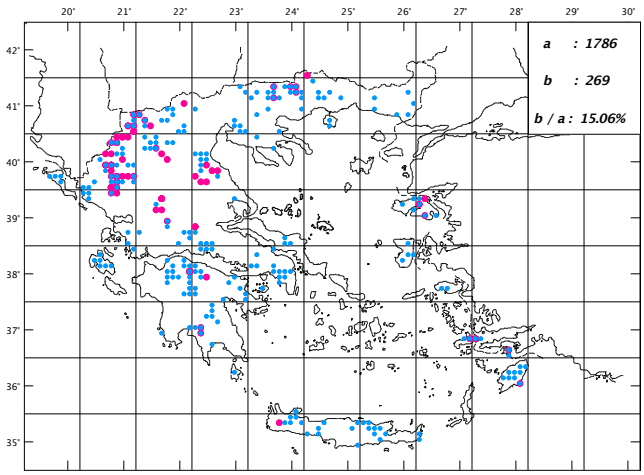


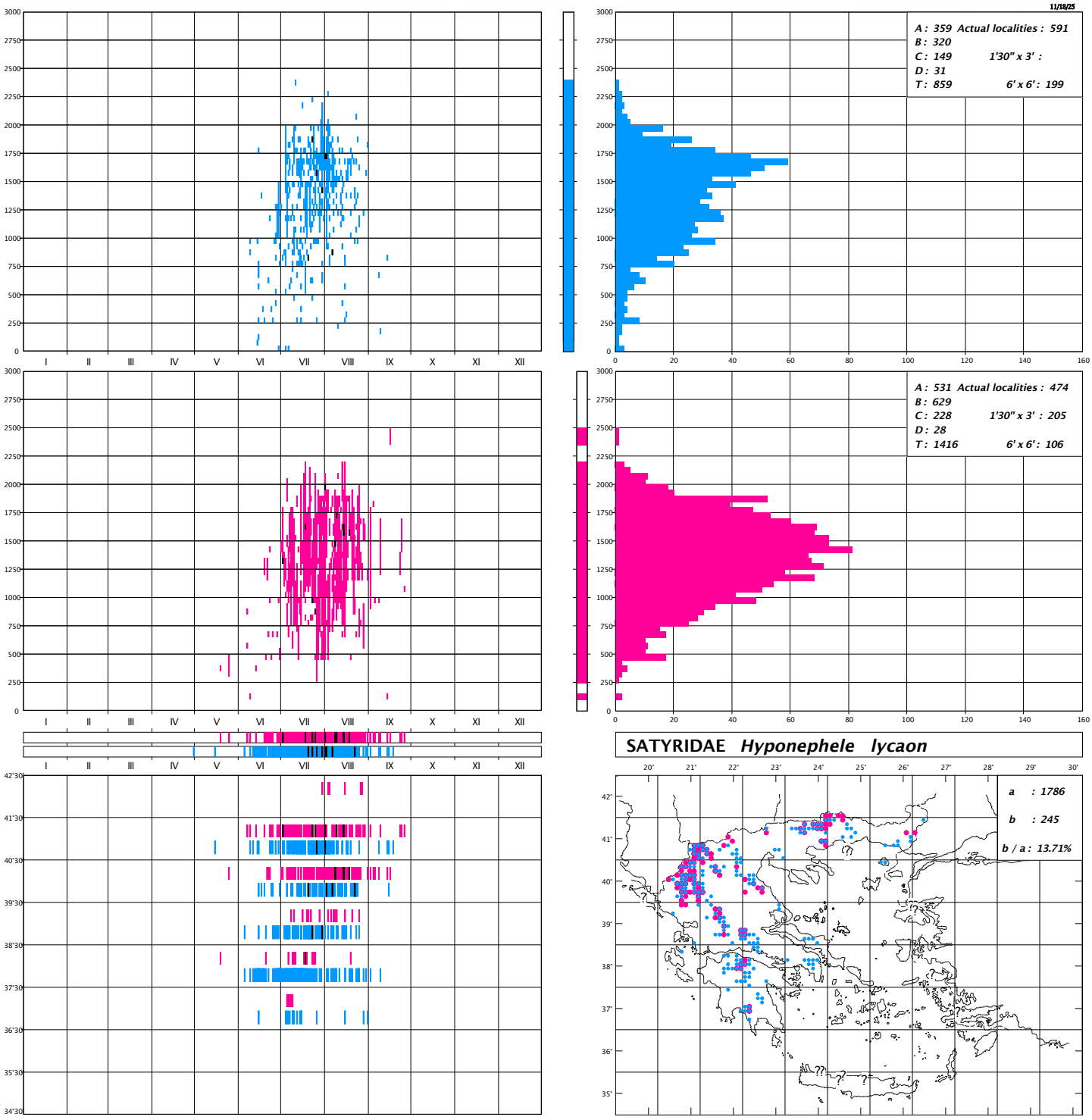


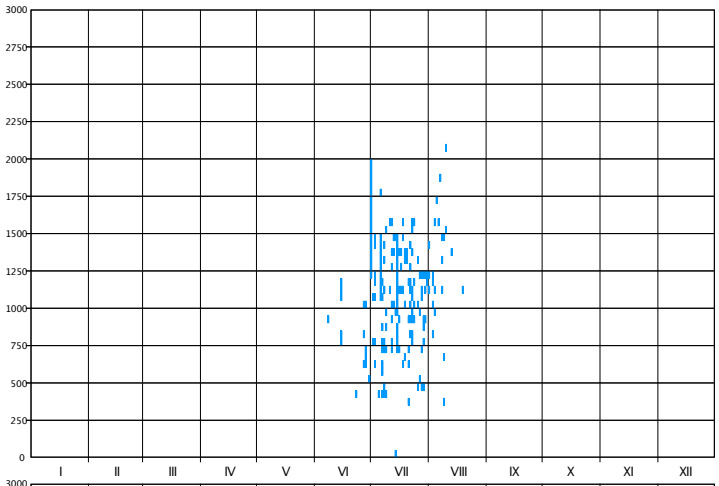


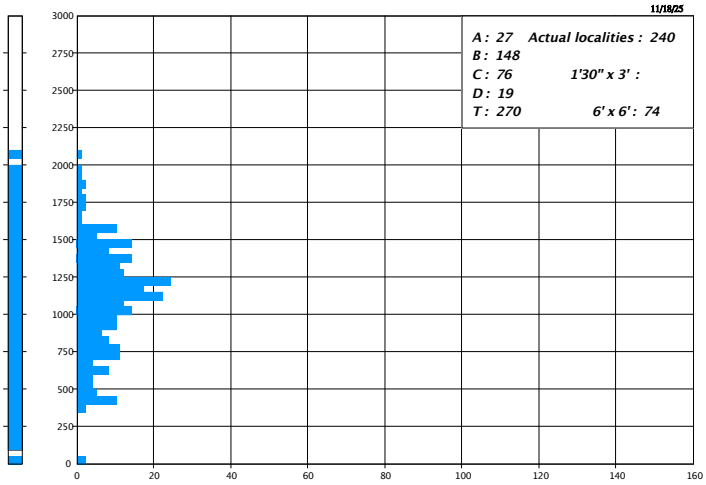
SATYRIDAE *Hyponephele lupina*

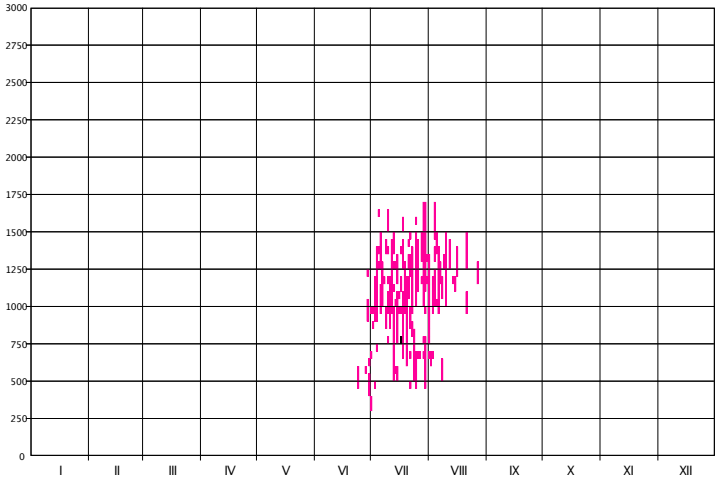


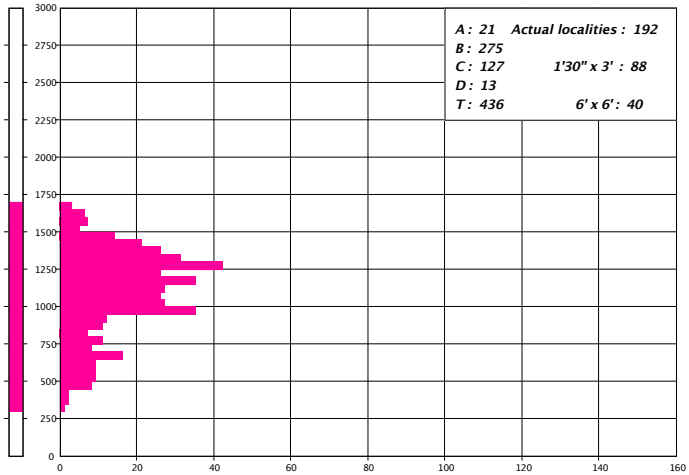


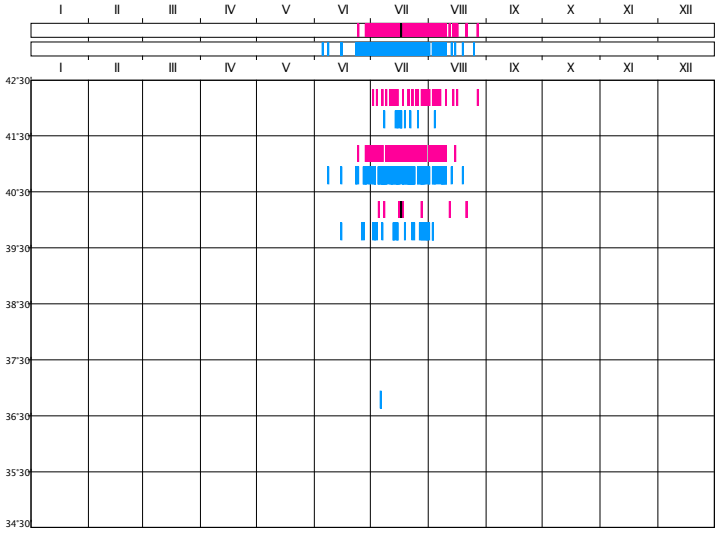

11/18/25
A : 359 Actual localities : 591
B : 320
C : 149 1'30" x 3' :
D : 31
T : 859 6' x 6' : 199
A : 531 Actual localities : 474
B : 629
C : 228 1'30" x 3' : 205
D : 28
T : 1416 6' x 6' : 106
SATYRIDAE Hyponephele lycaon
a : 1786
b : 245
b / a : 13.71%



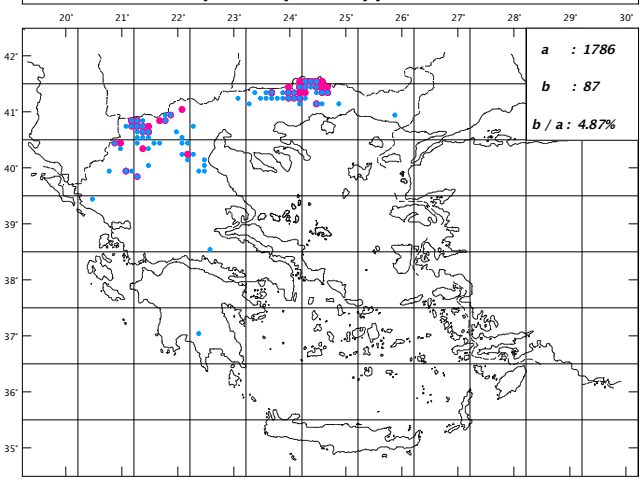


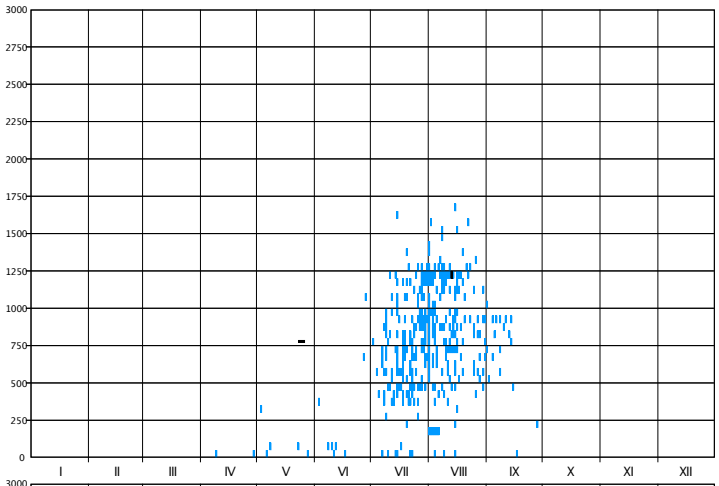


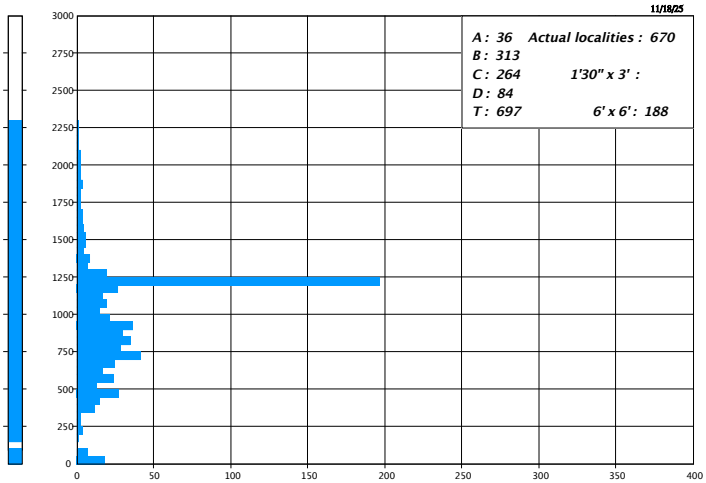


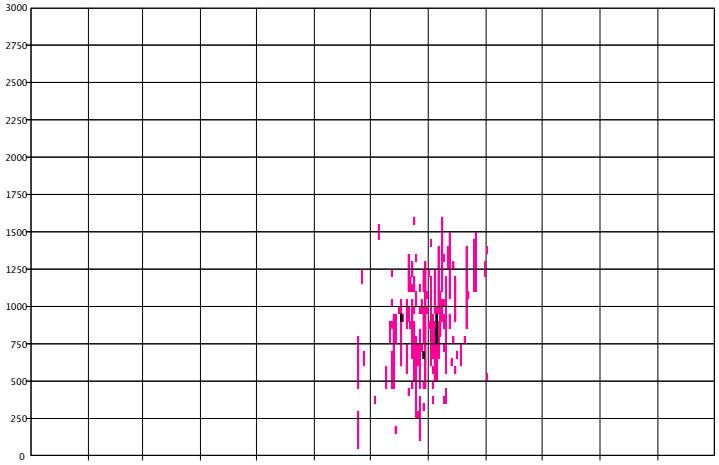


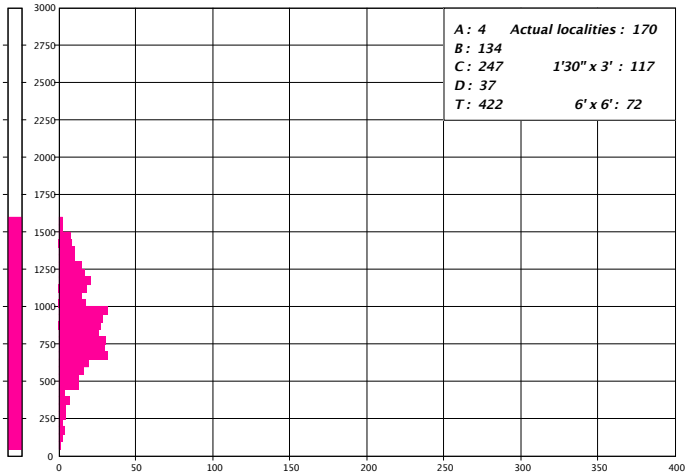
SATYRIDAE *Aphantopus hyperantus*

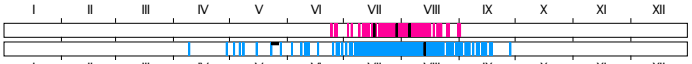




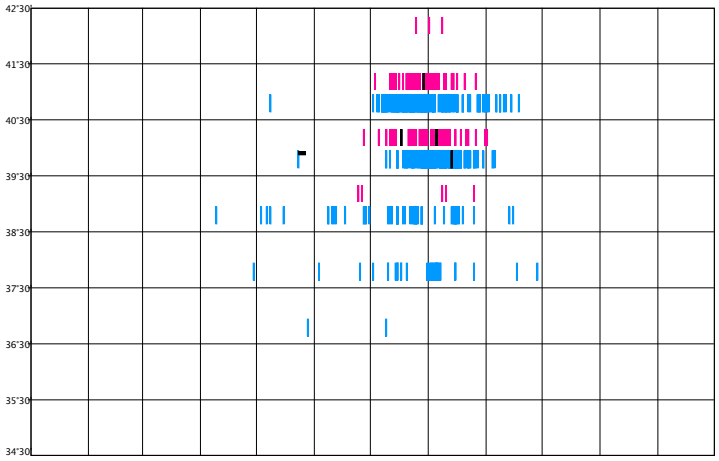


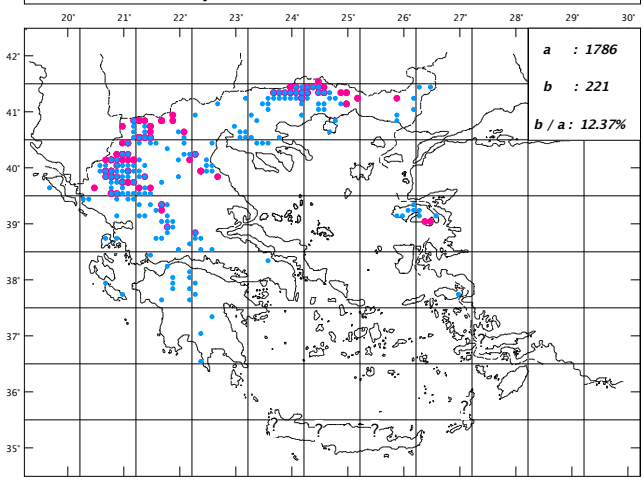


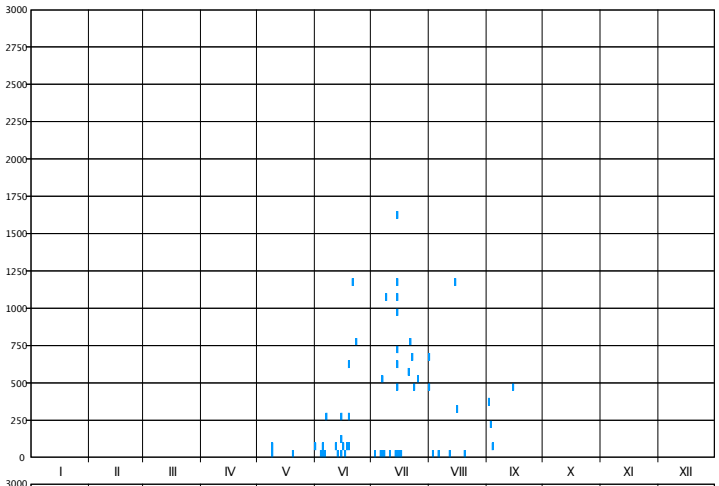


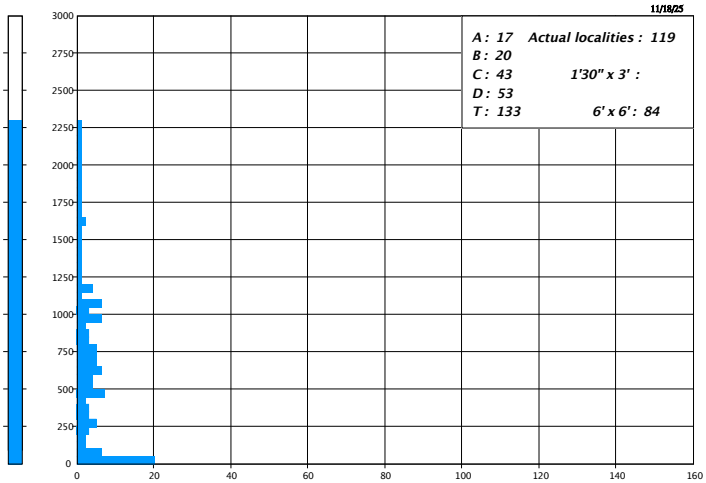


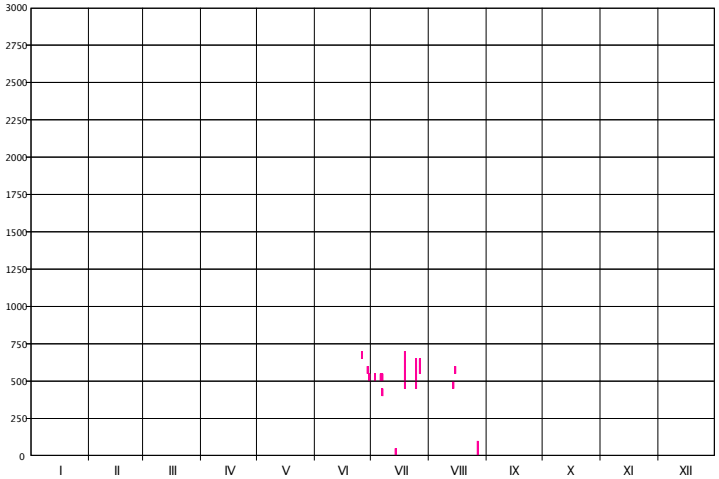
SATYRIDAE *Pyronia tithonus*

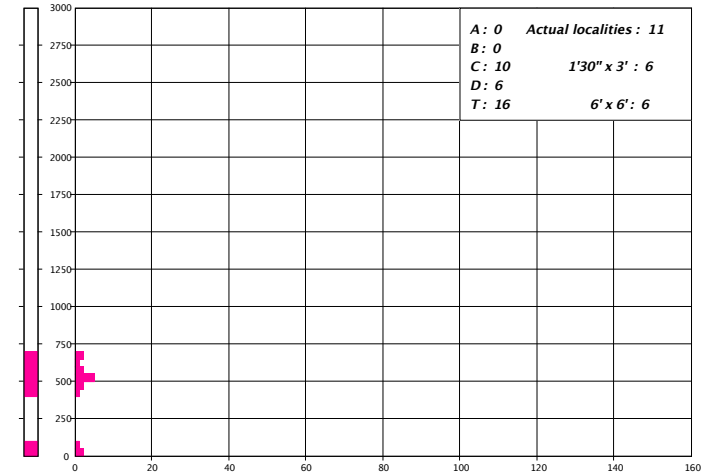


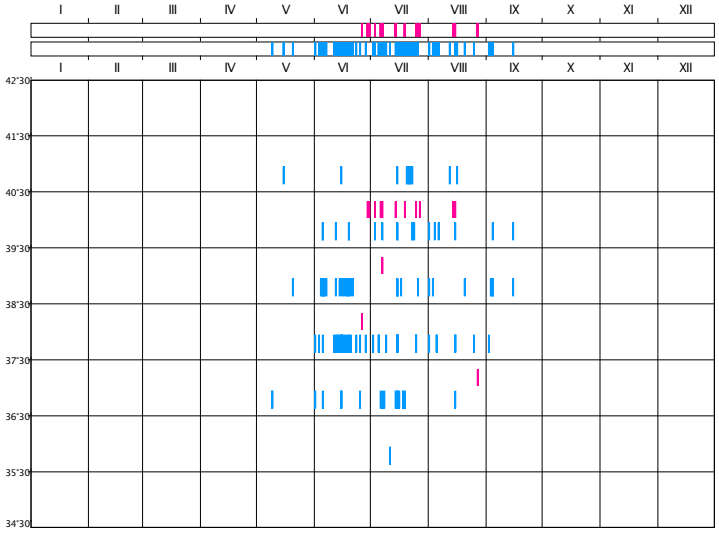




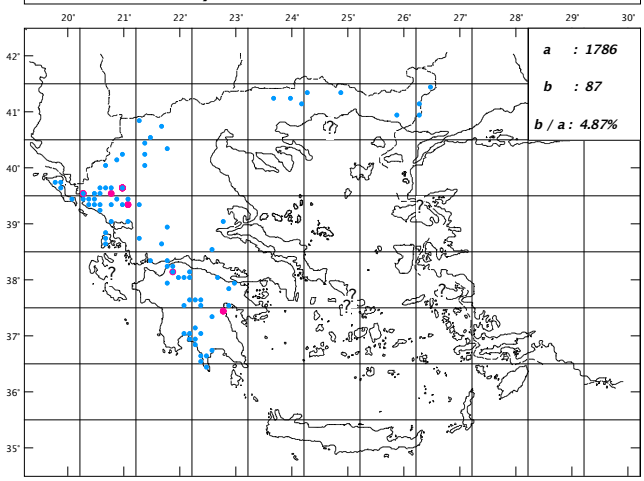


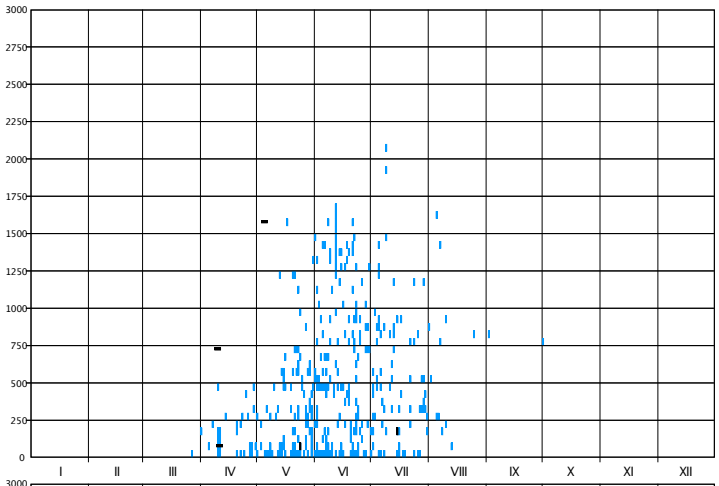


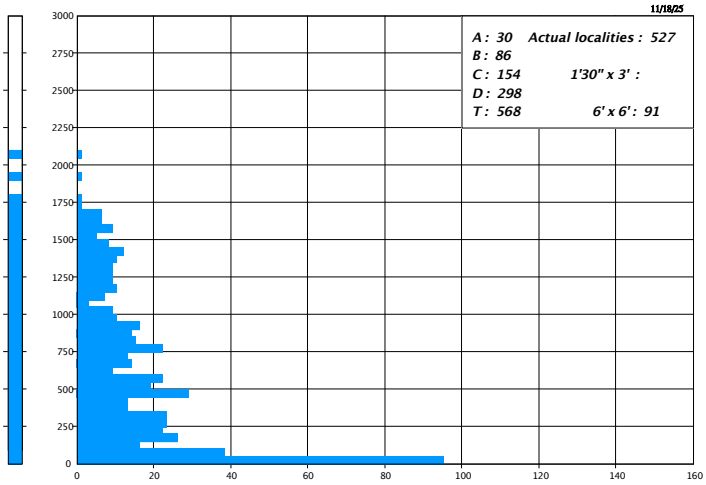


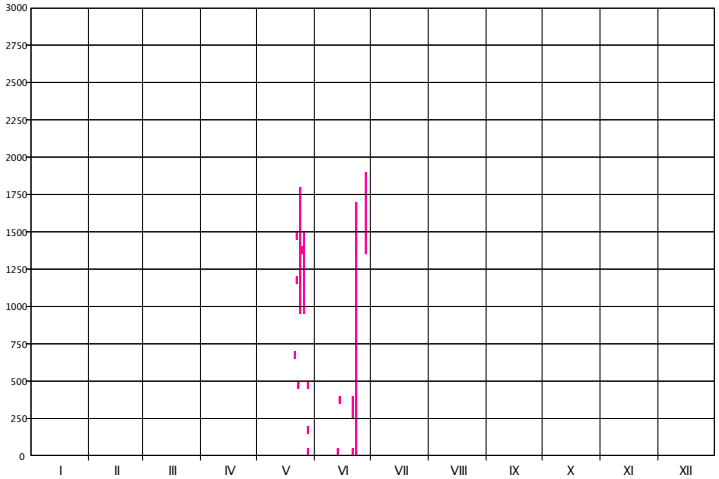


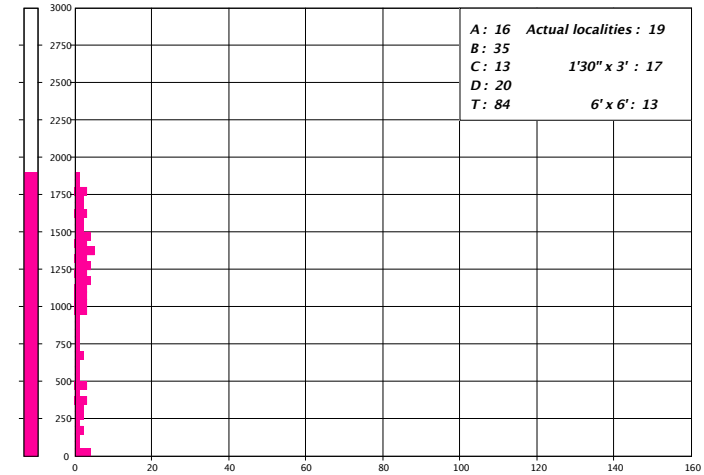
SATYRIDAE *Pyronia cecilia*

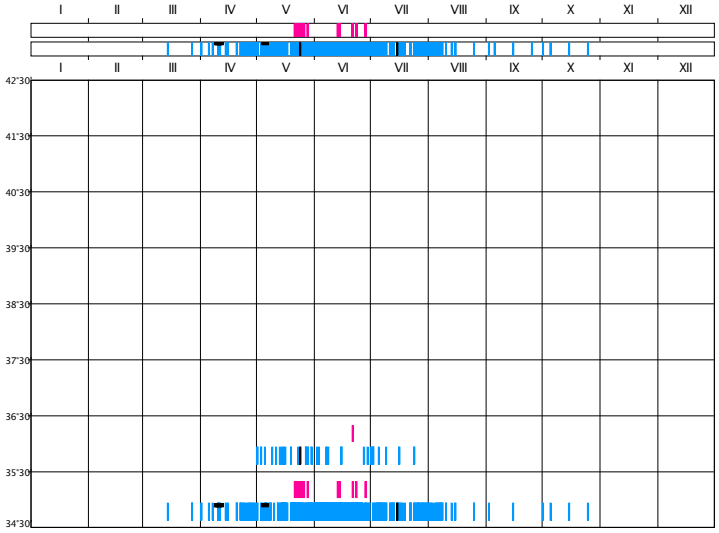




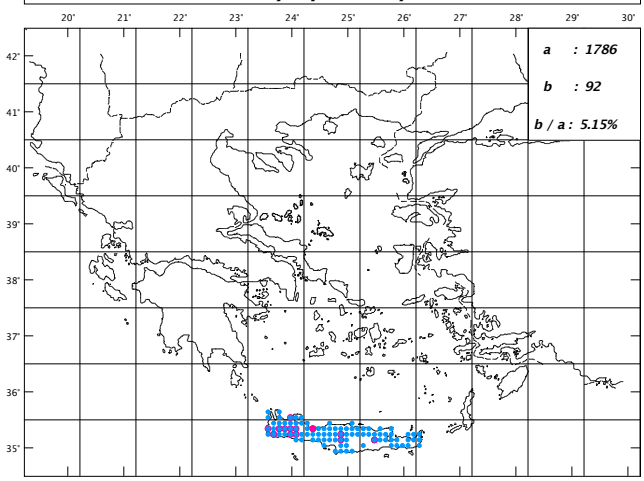


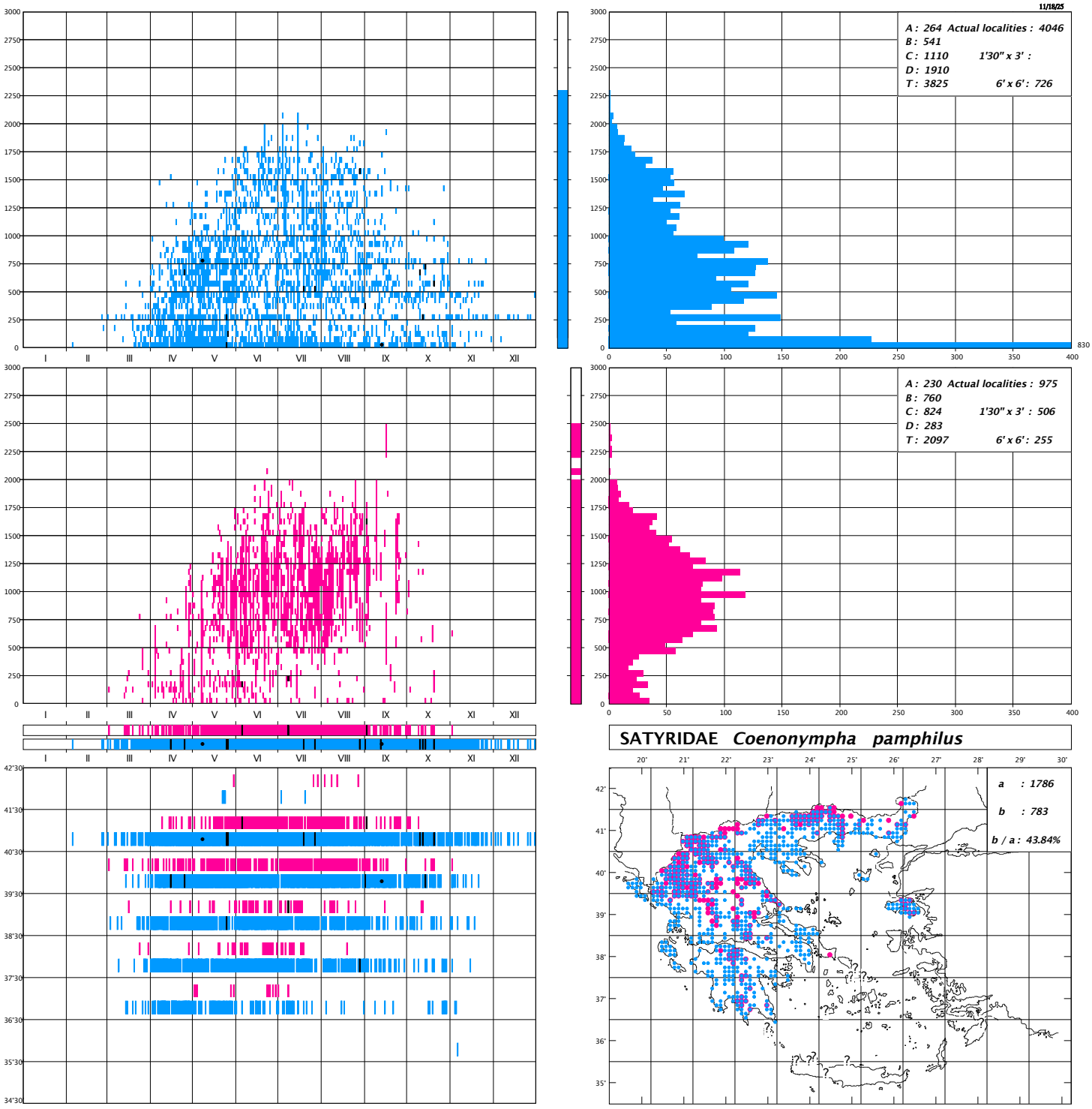


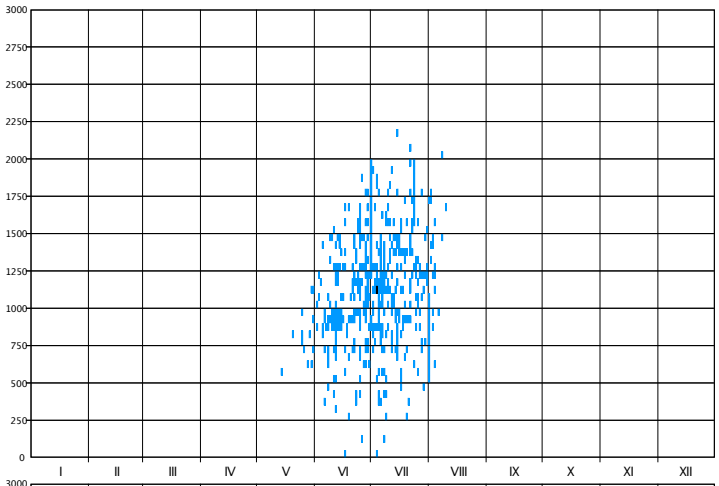


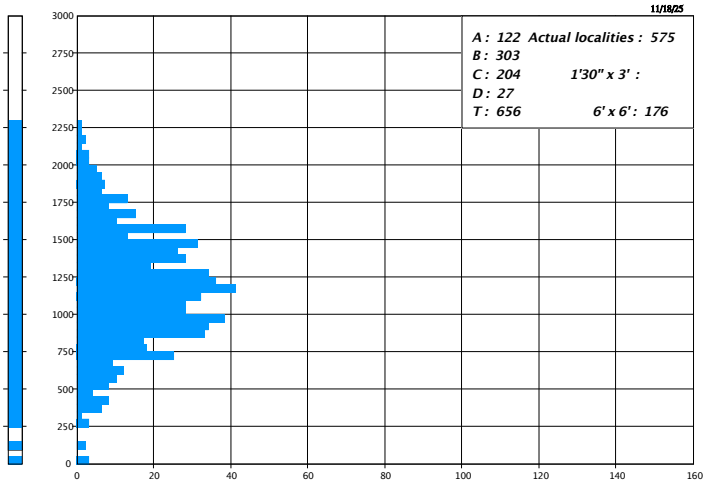


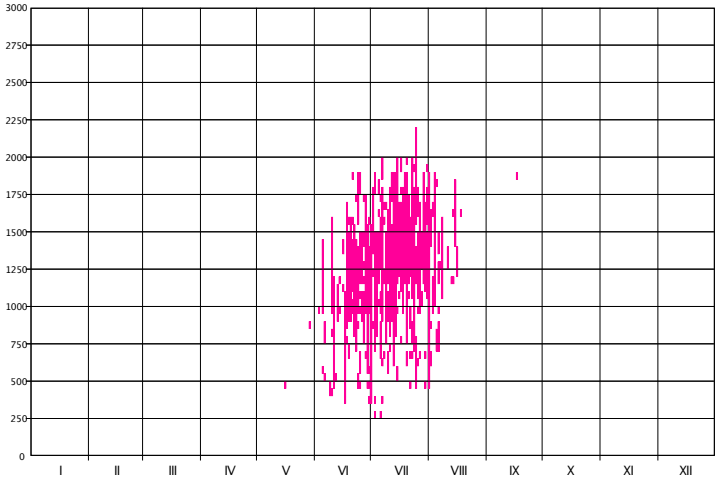
SATYRIDAE *Coenonympha thyrsis*

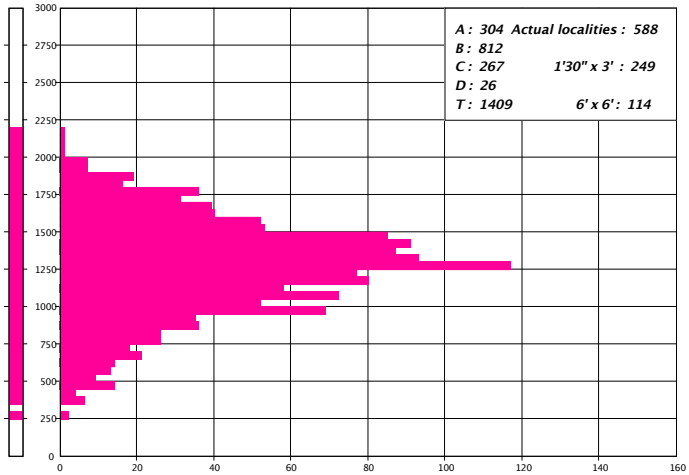


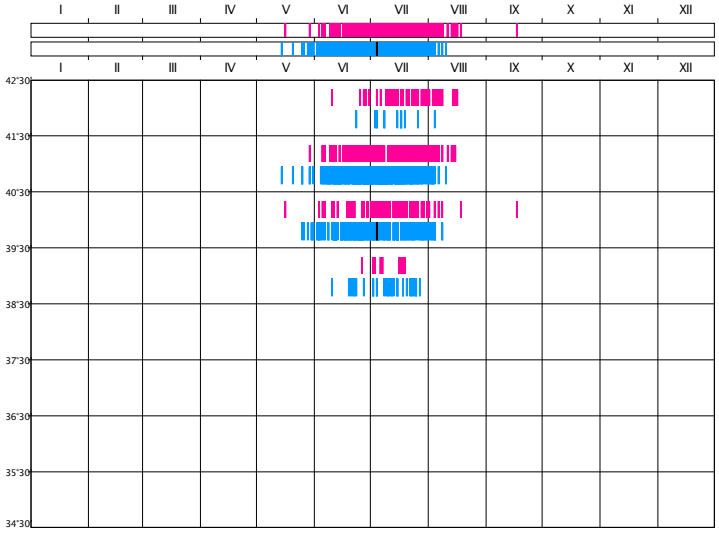

11/18/25
A : 264 Actual localities : 4046
B : 541
C : 1110 1'30" x 3' :
D : 1910
T : 3825 6' x 6' : 726
830
A : 230 Actual localities : 975
B : 760
C : 824 1'30" x 3' : 506
D : 283
T : 2097 6' x 6' : 255
SATYRIDAE Coenonympha pamphilus
a : 1786
b : 783
b / a : 43.84%



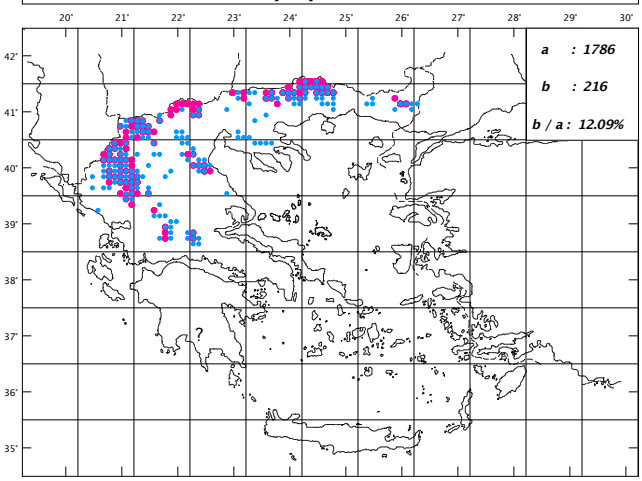


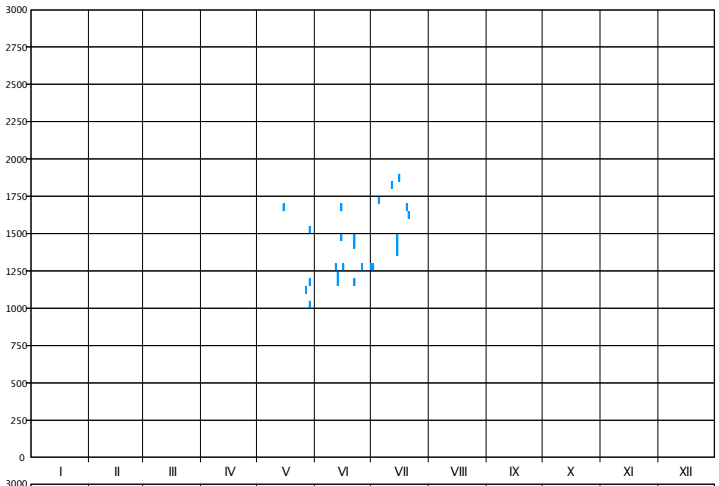


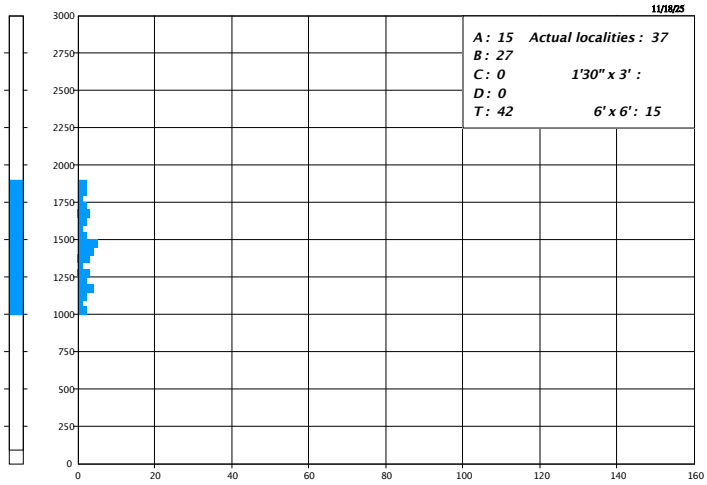


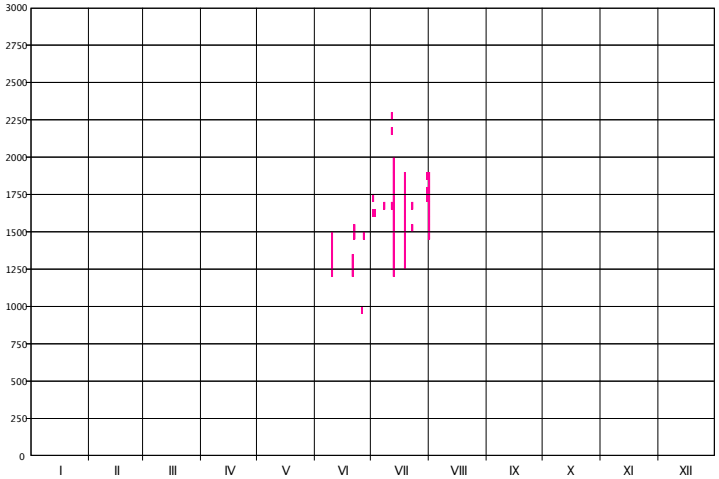


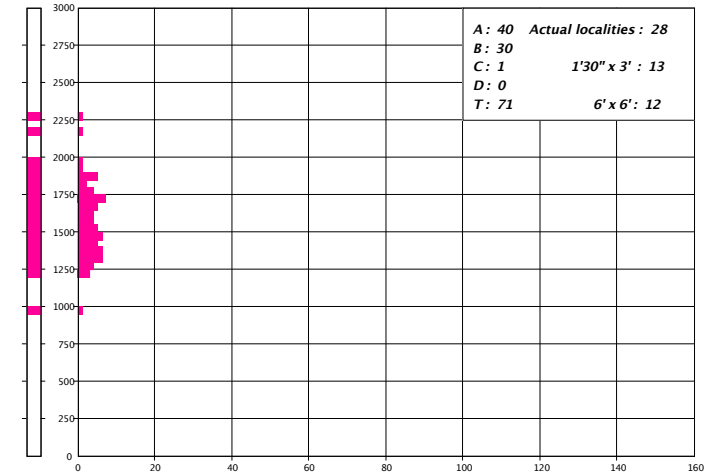
SATYRIDAE *Coenonympha arcania*

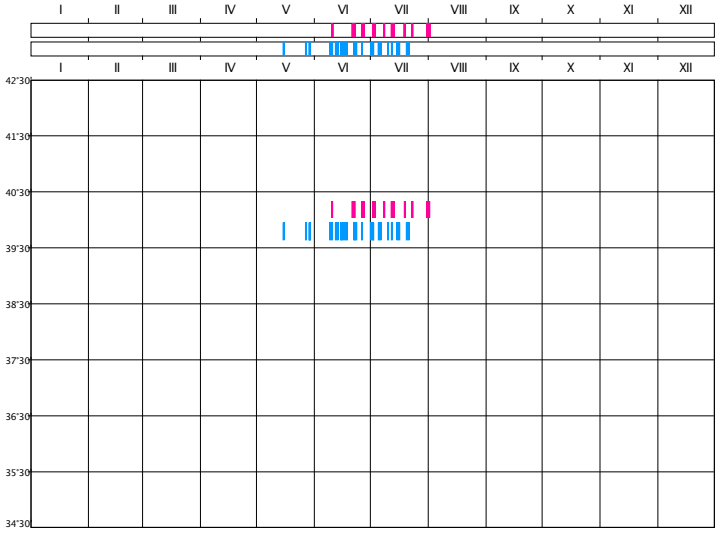




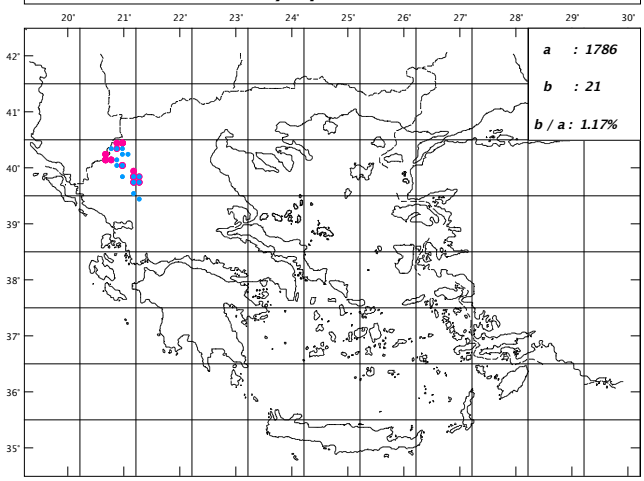


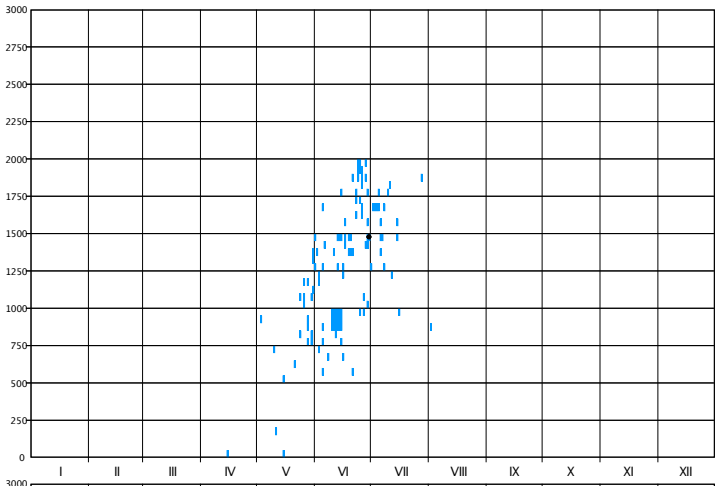


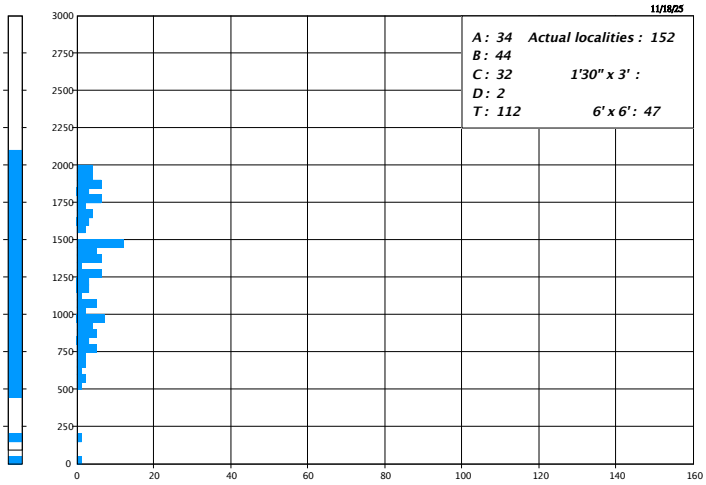


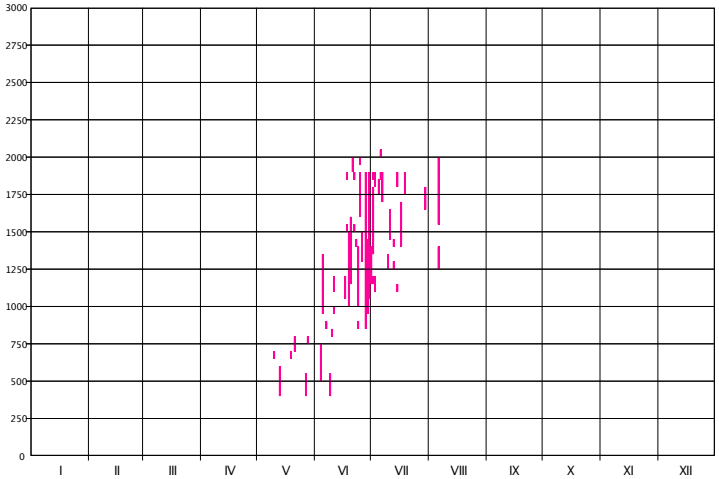


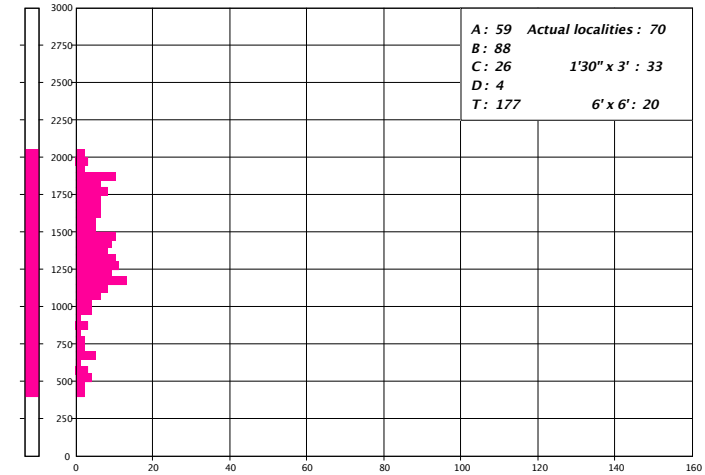
SATYRIDAE *Coenonympha orientalis*

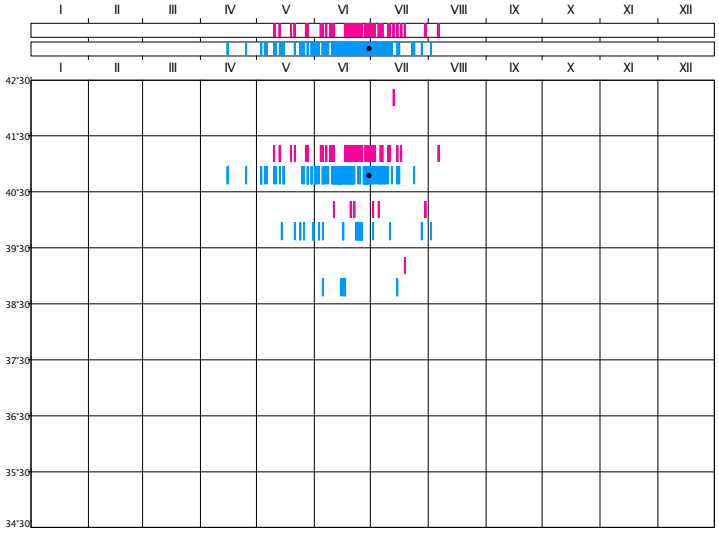




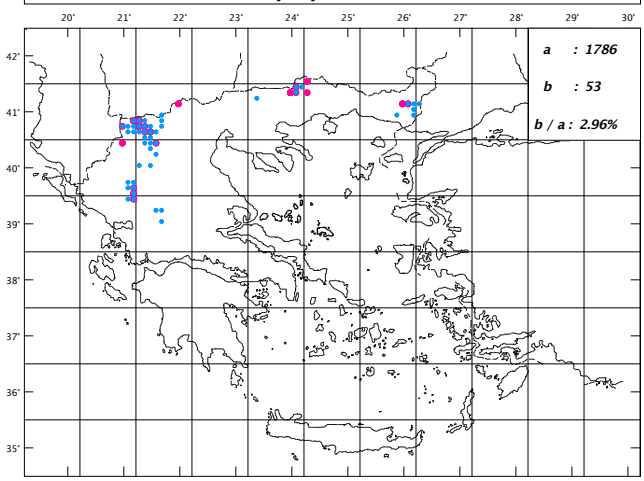


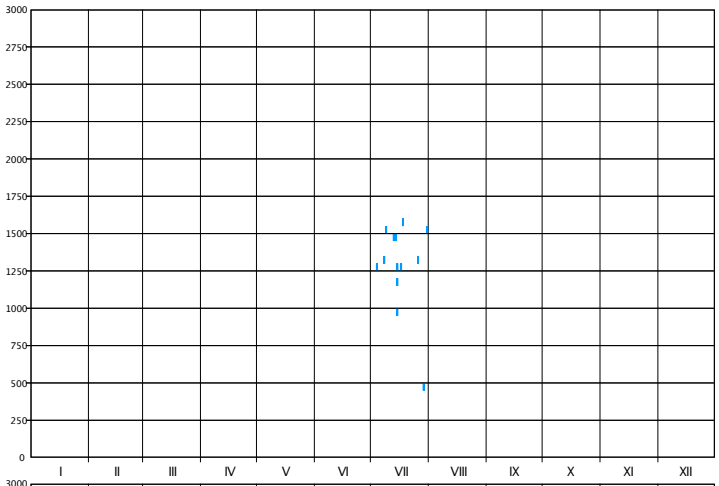


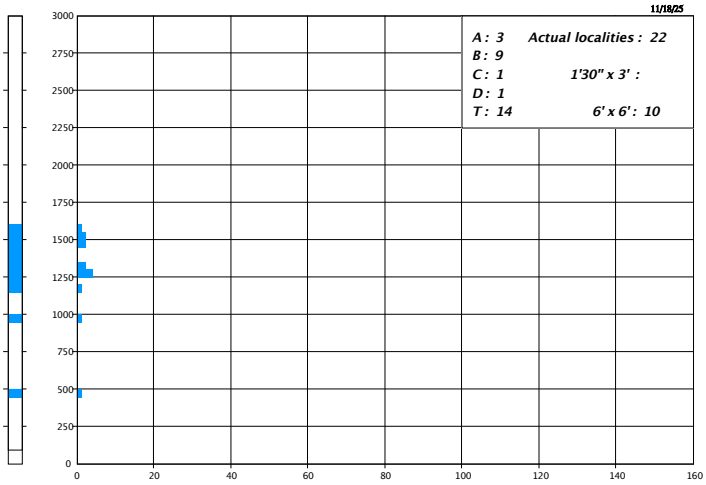


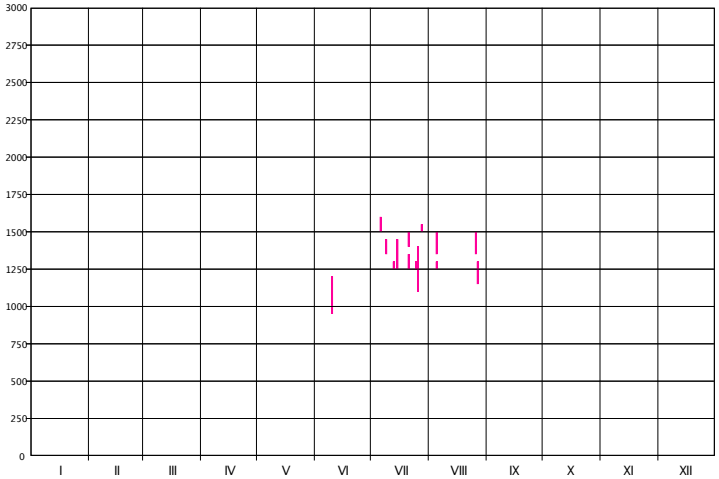


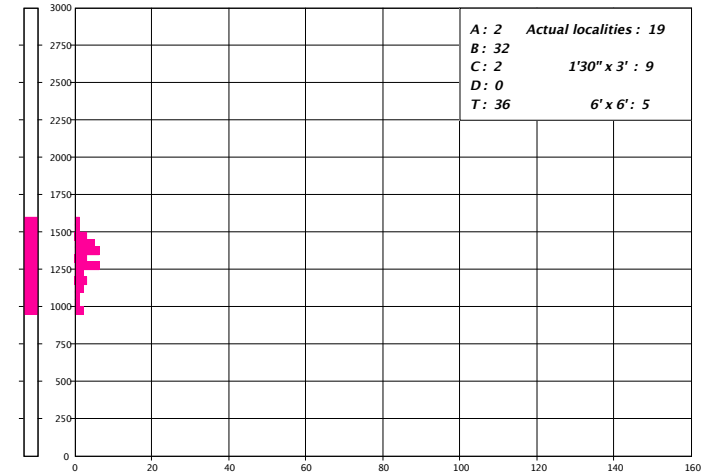
SATYRIDAE *Coenonympha leander*

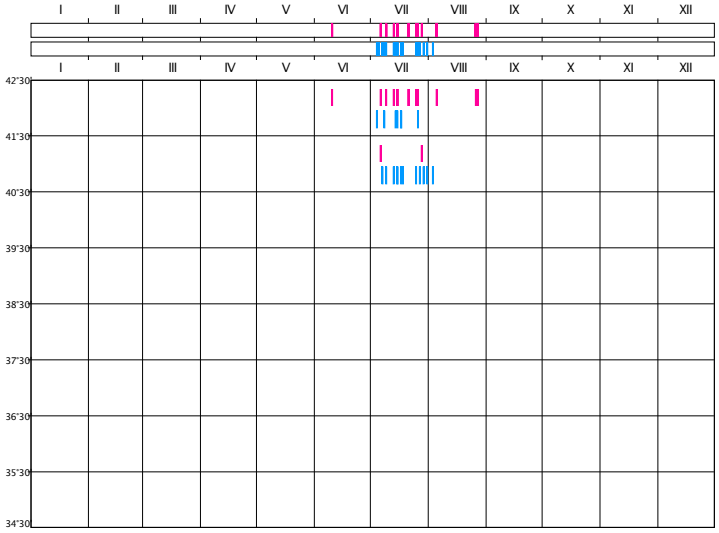




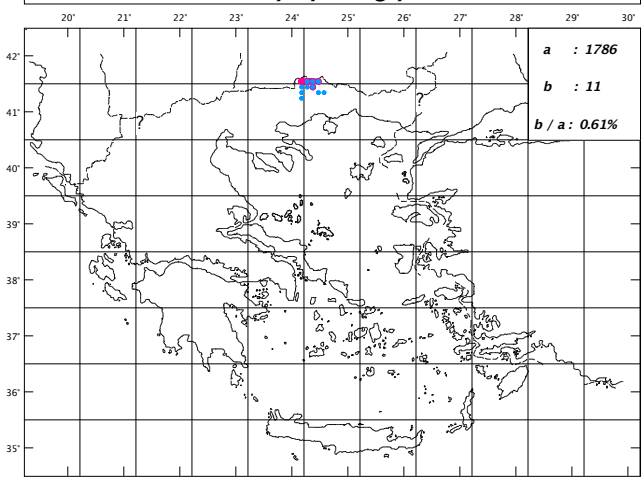


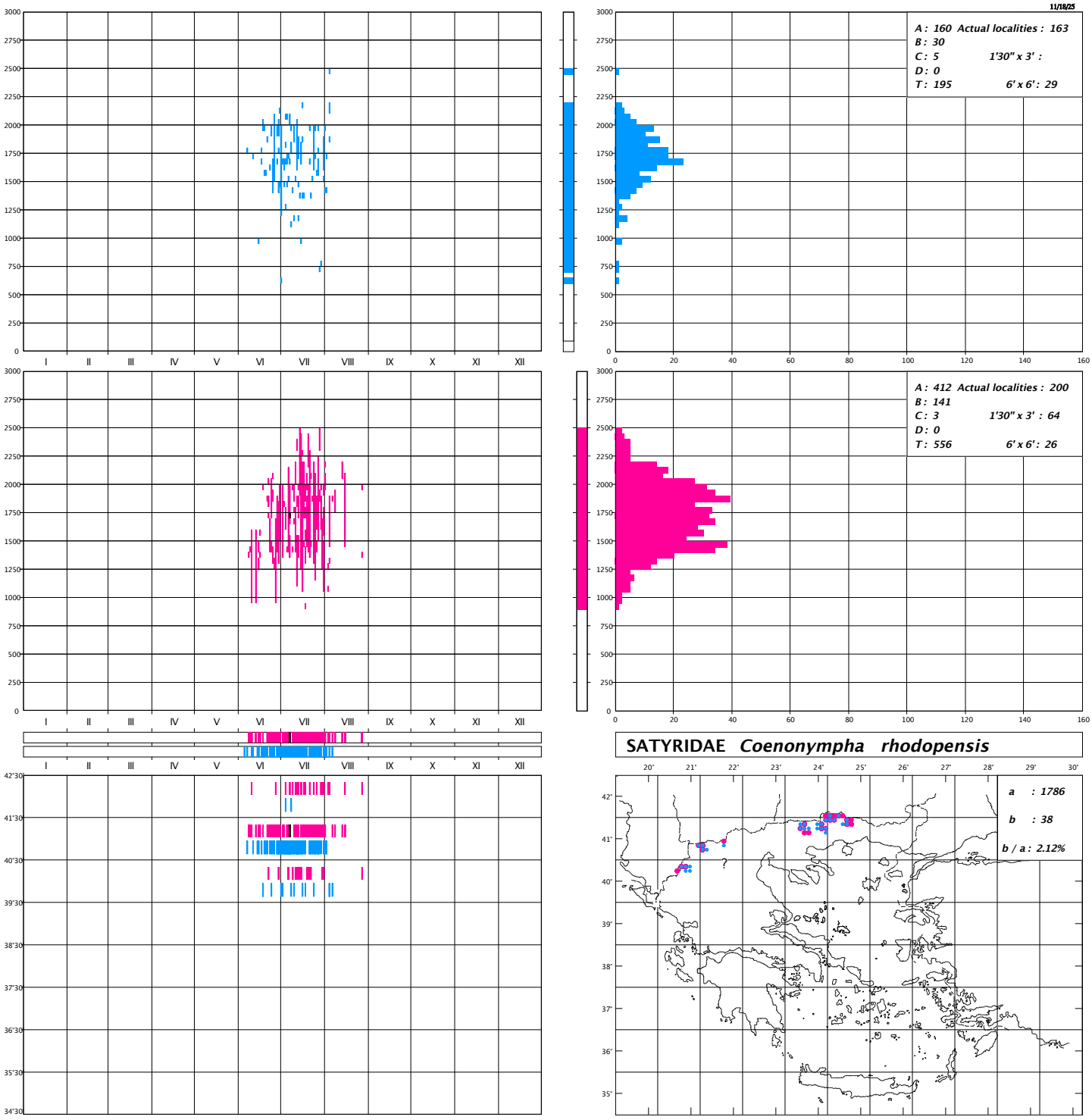


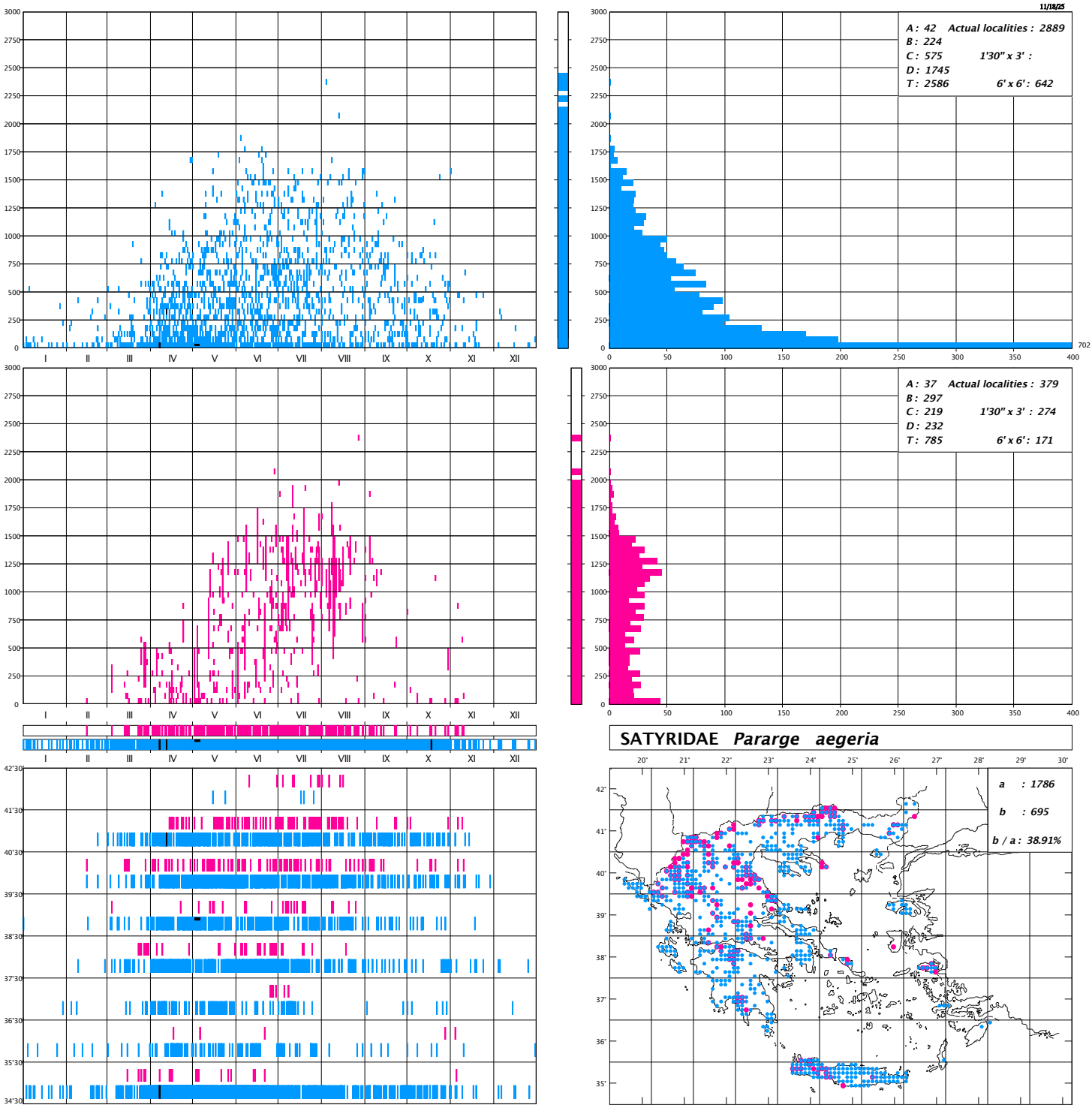


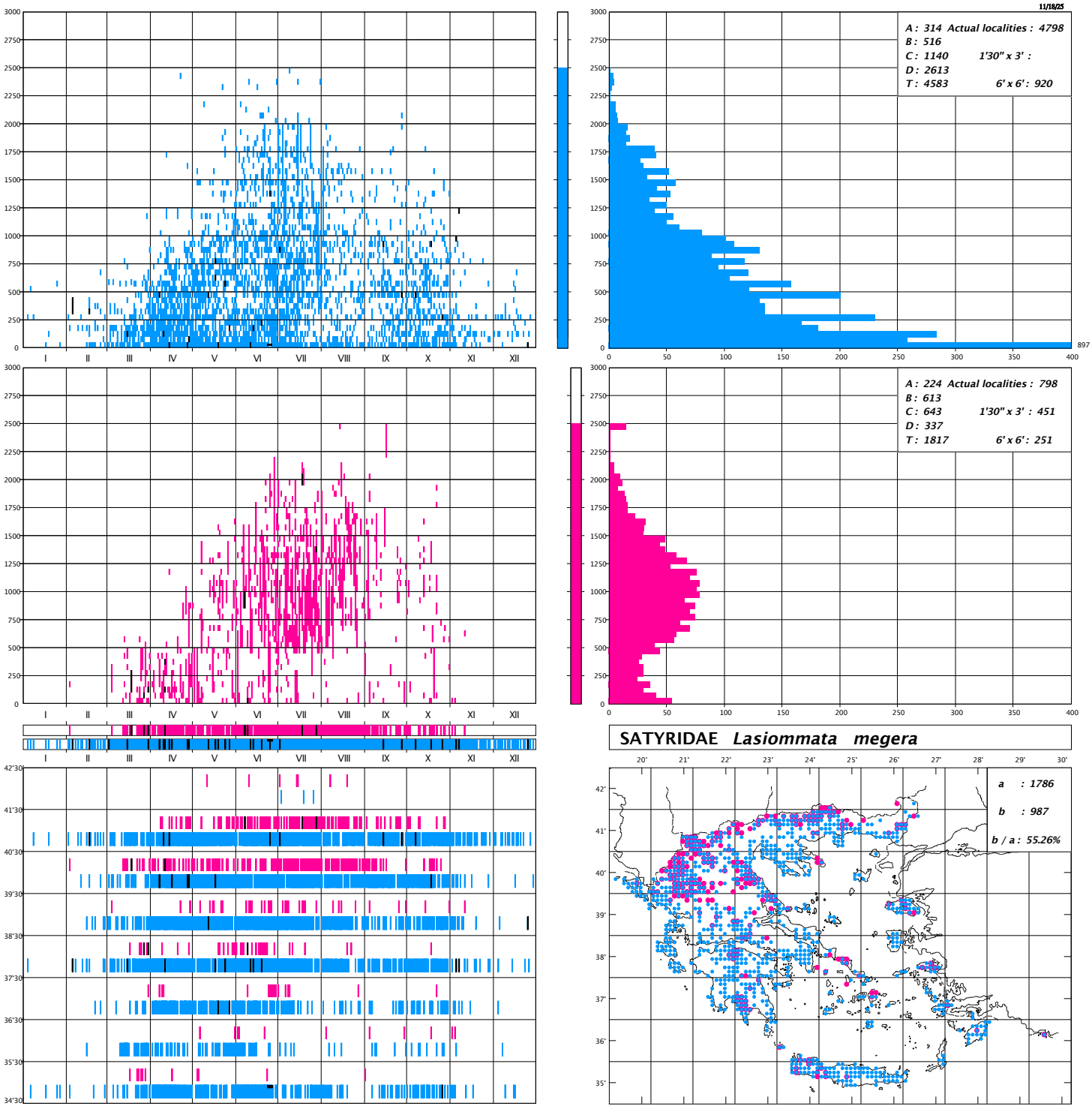


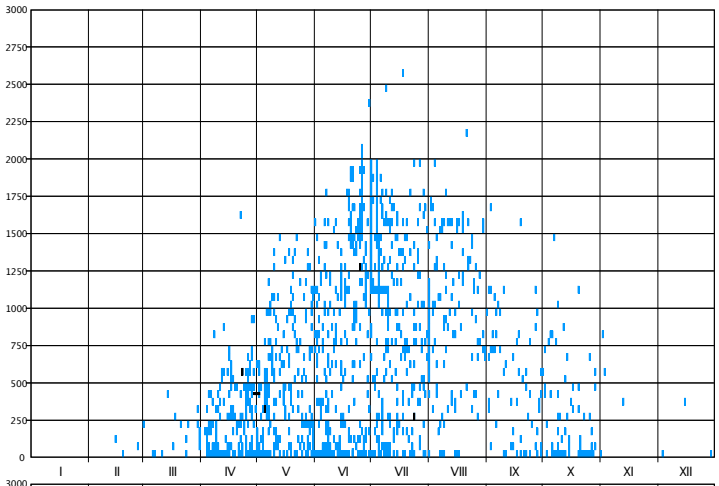
SATYRIDAE *Coenonympha glycerion*

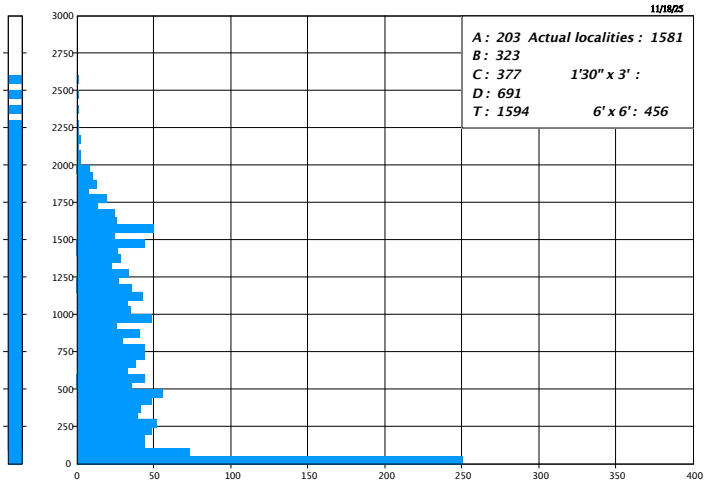


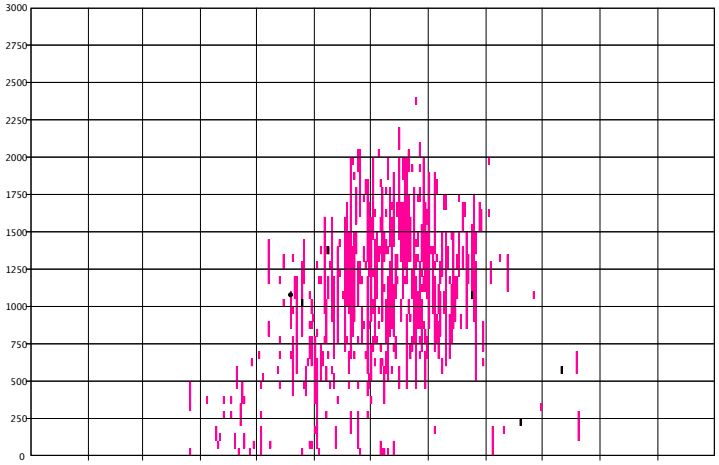

11/18/25
A : 160 Actual localities : 163
B : 30
C : 5 1'30" x 3' :
D : 0
T : 195 6' x 6' : 29
A : 412 Actual localities : 200
B : 141
C : 3 1'30" x 3' : 64
D : 0
T : 556 6' x 6' : 26
SATYRIDAE Coenonympha rhodopensis
a : 1786
b : 38
b / a : 2.12%

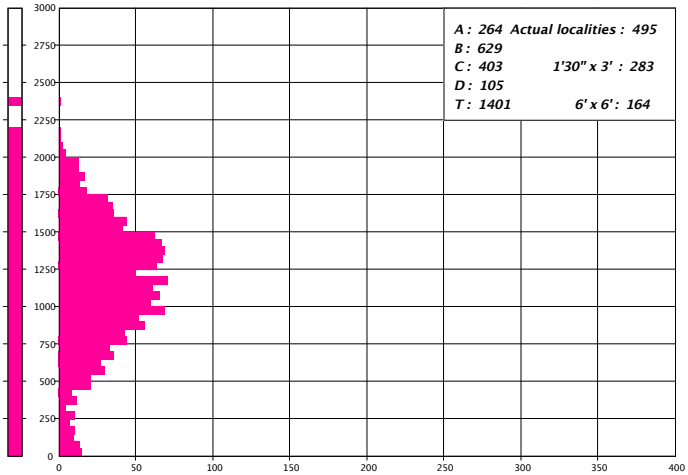

11/18/25
A : 42 Actual localities : 2889
B : 224
C : 575 1'30" x 3' :
D : 1745
T : 2586 6' x 6' : 642
A : 37 Actual localities : 379
B : 297
C : 219 1'30" x 3' : 274
D : 232
T : 785 6' x 6' : 171
SATYRIDAE Pararge aegeria
a : 1786
b : 695
b / a : 38.91%

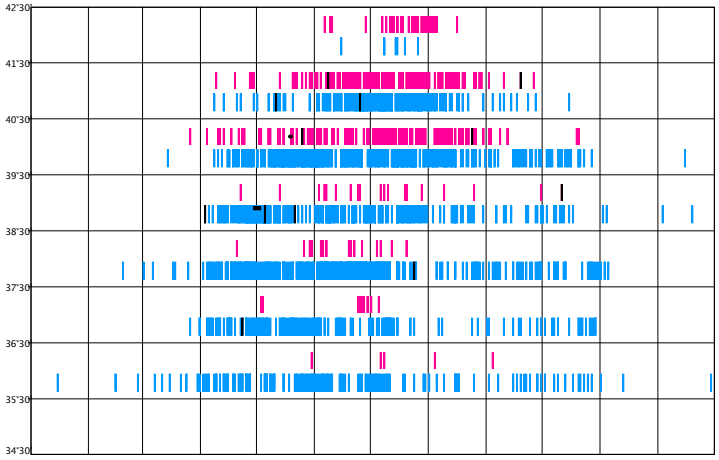

11/18/25
A : 314 Actual localities : 4798
B : 516
C : 1140 1'30" x 3' :
D : 2613
T : 4583 6' x 6' : 920
897
A : 224 Actual localities : 798
B : 613
C : 643 1'30" x 3' : 451
D : 337
T : 1817 6' x 6' : 251
SATYRIDAE Lasiommata megera
a : 1786
b : 987
b / a : 55.26%



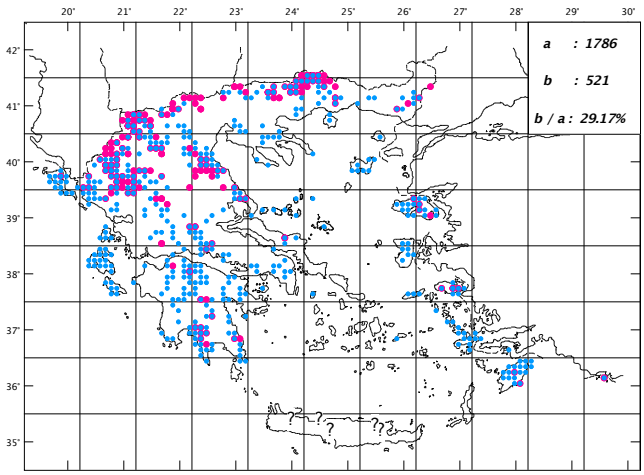


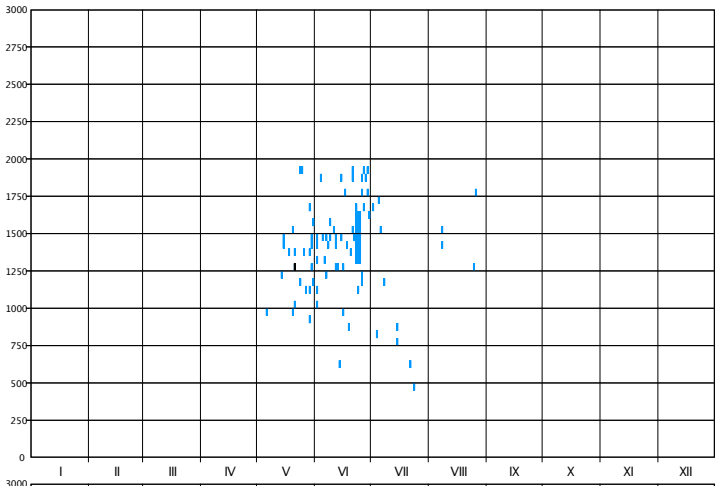


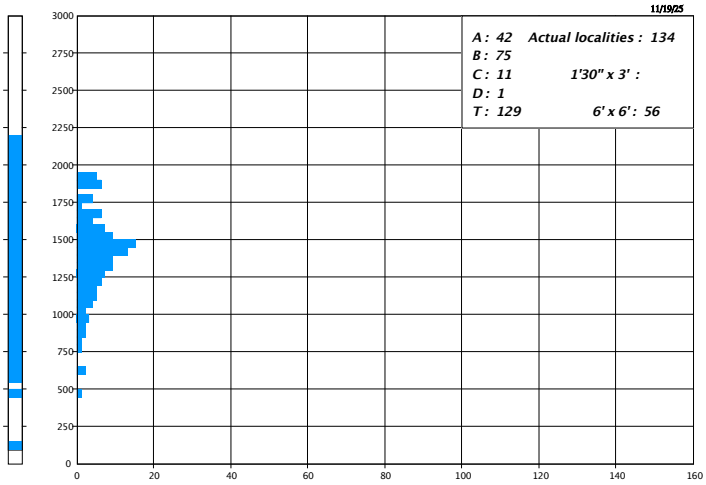


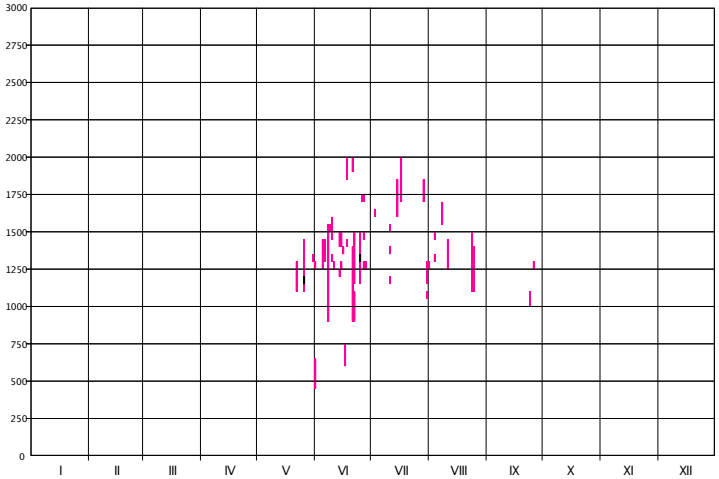


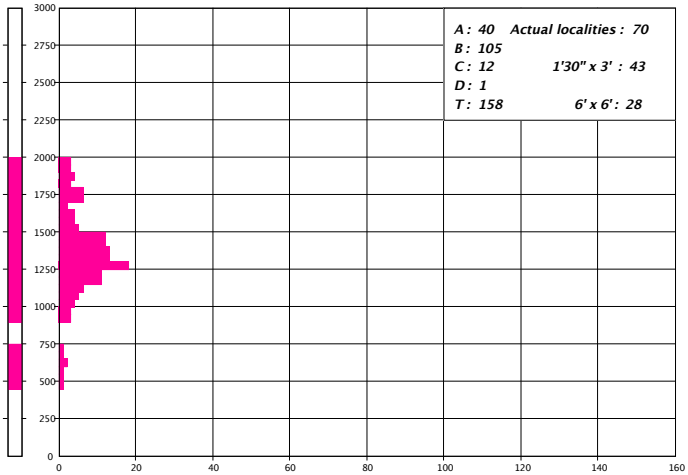
SATYRIDAE *Lasiommata maera*

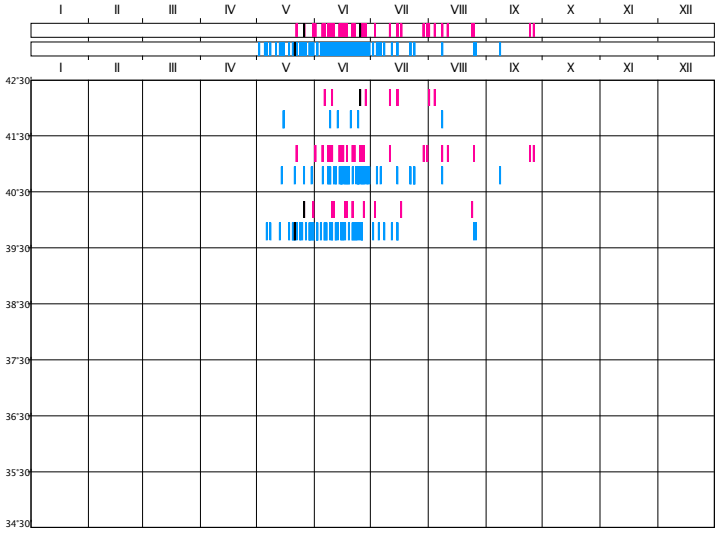




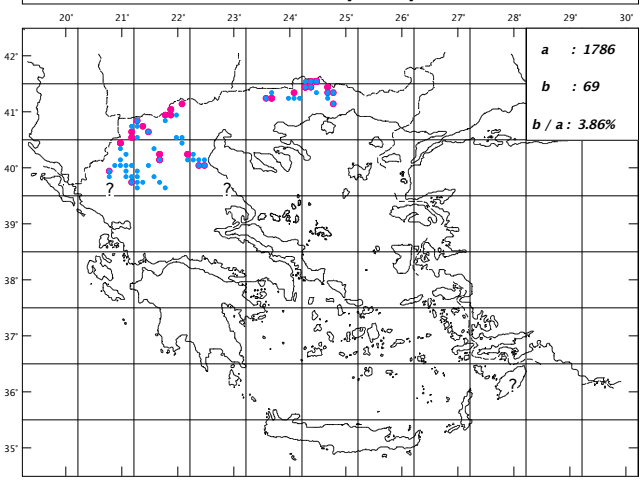


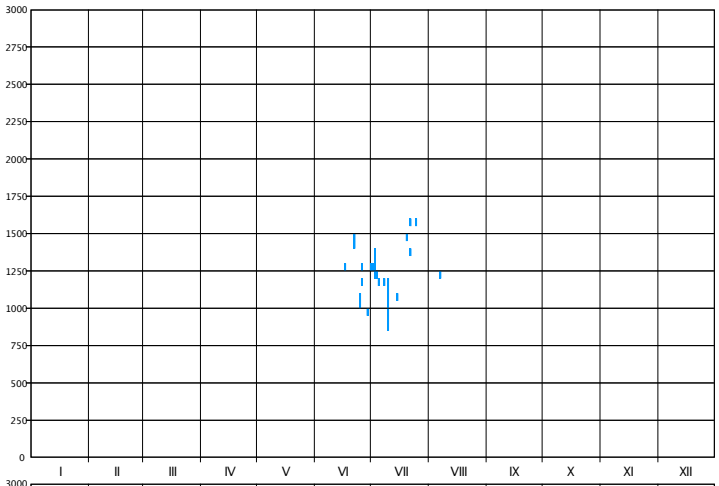


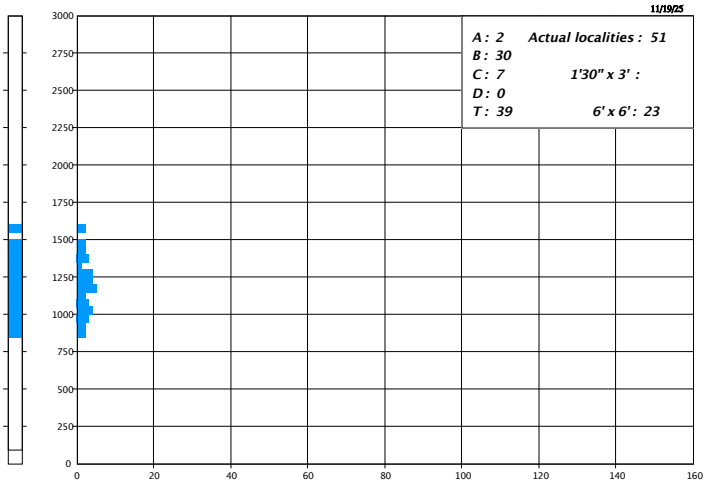


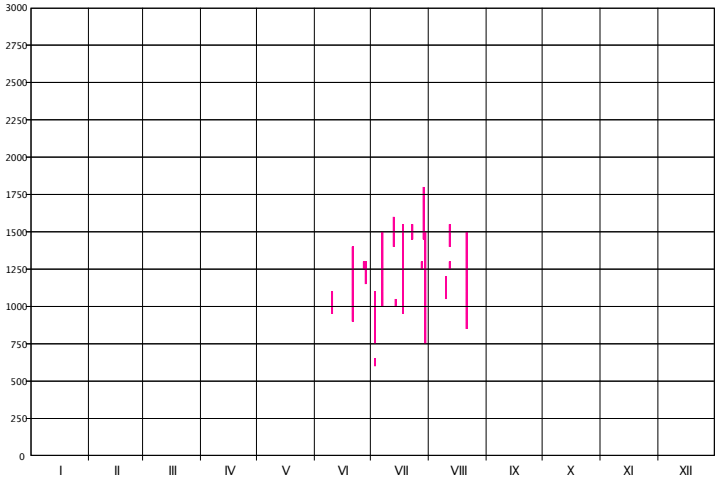


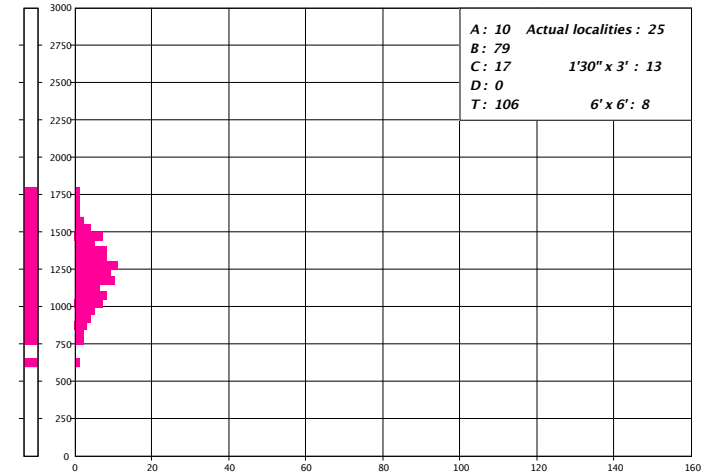
SATYRIDAE *Lasiommata petropolitana*

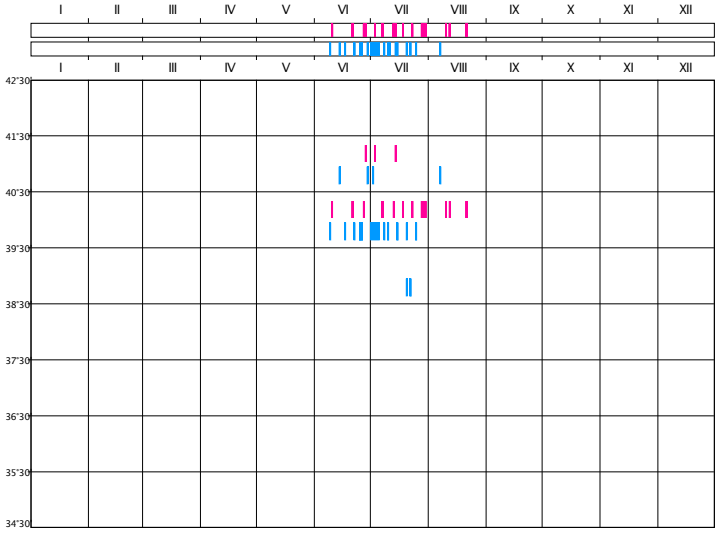




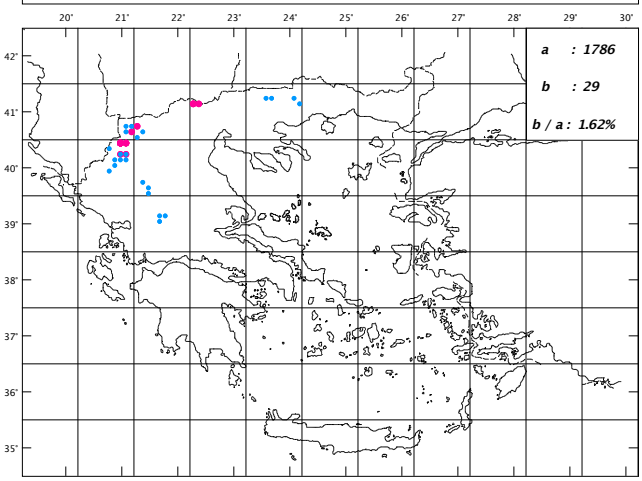


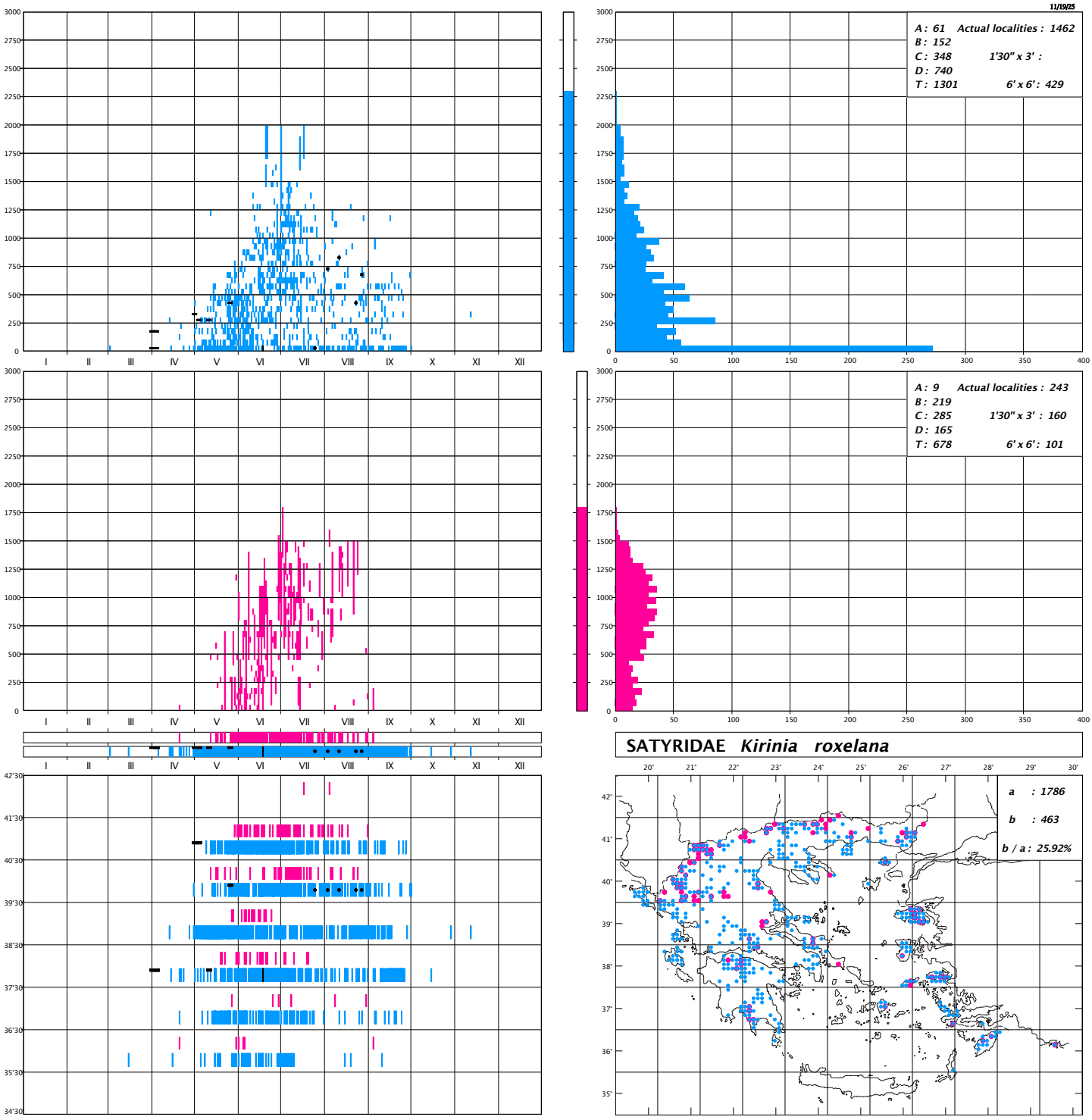


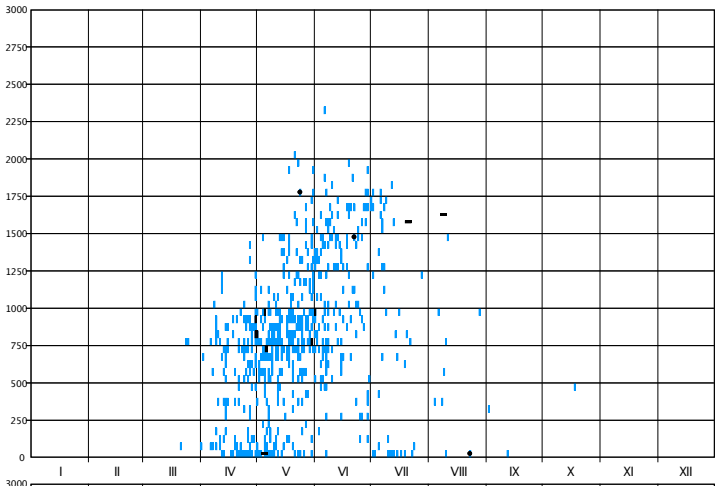


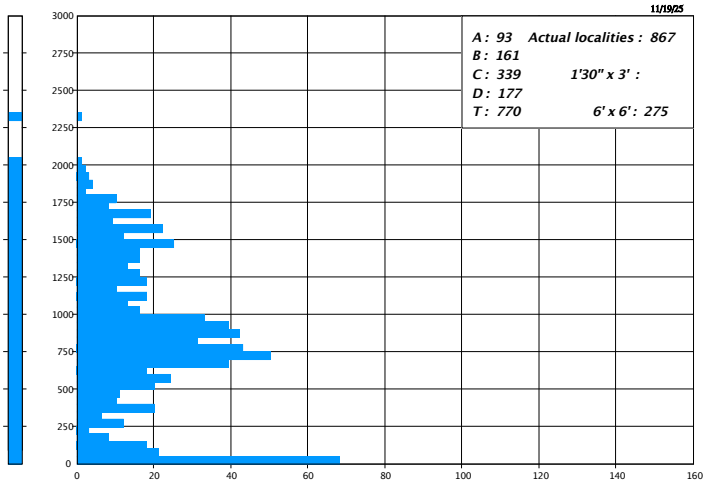


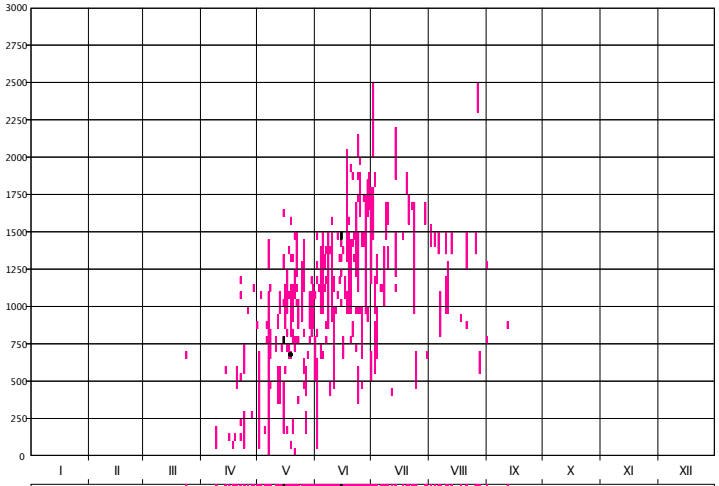
SATYRIDAE *Kirinia climene*

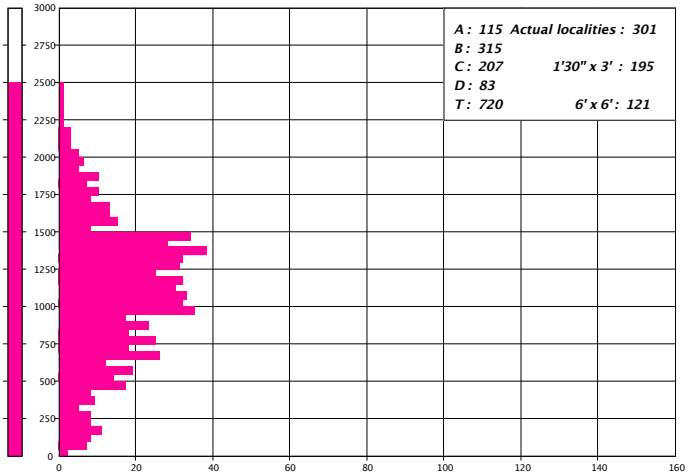


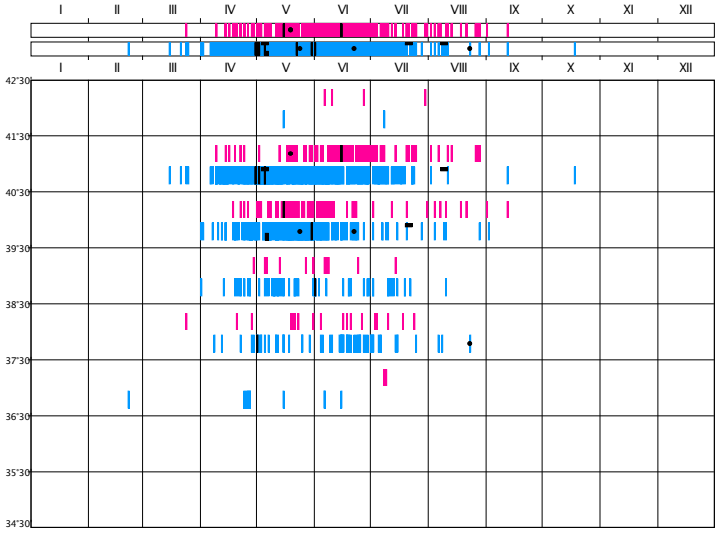

11/19/25
A : 61 Actual localities : 1462
B : 152
C : 348 1'30" x 3' :
D : 740
T : 1301 6' x 6' : 429
A : 9 Actual localities : 243
B : 219
C : 285 1'30" x 3' : 160
D : 165
T : 678 6' x 6' : 101
SATYRIDAE Kirinia roxelana
a : 1786
b : 463
b / a : 25.92%



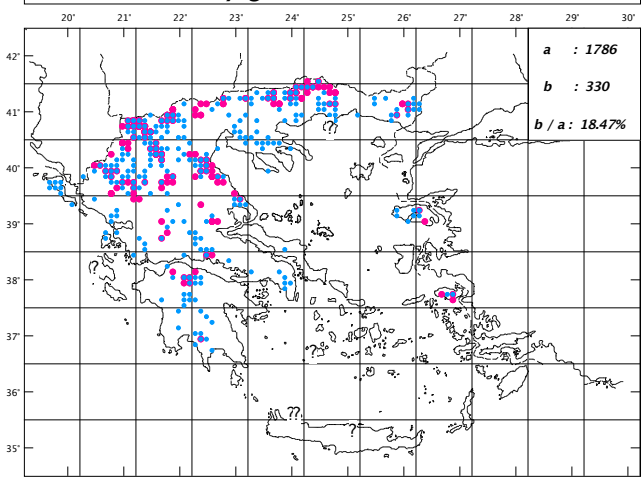


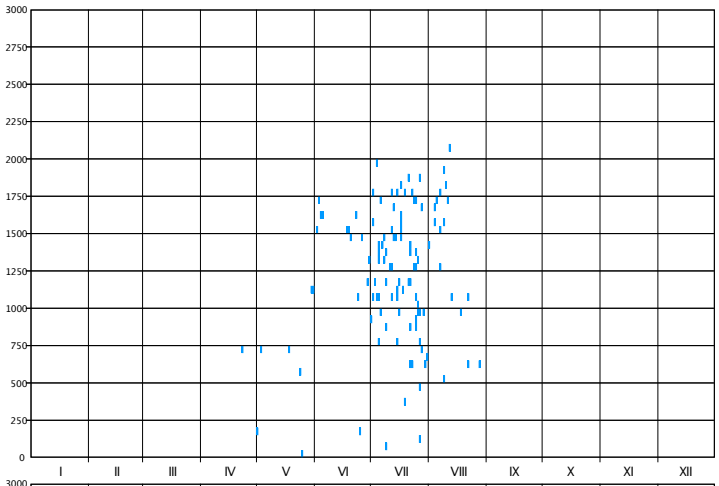


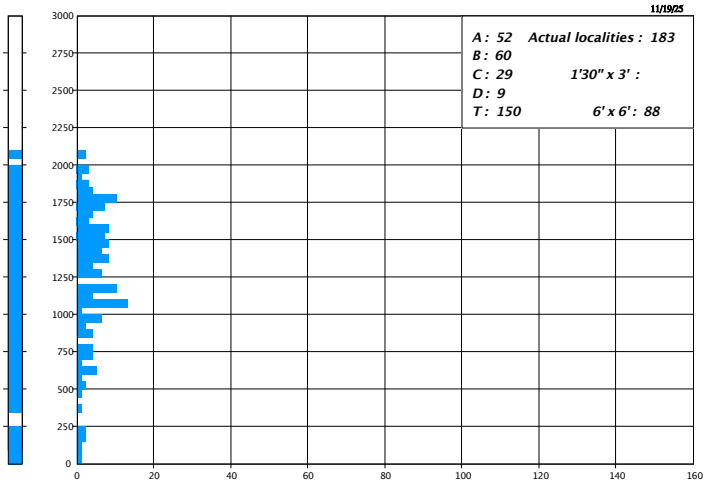


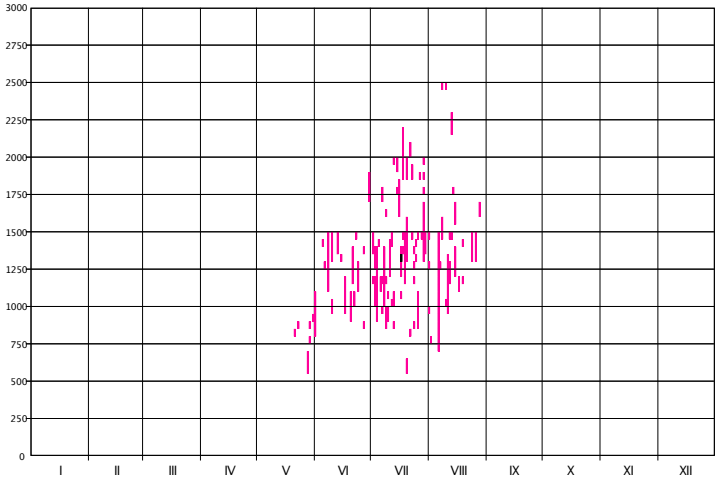


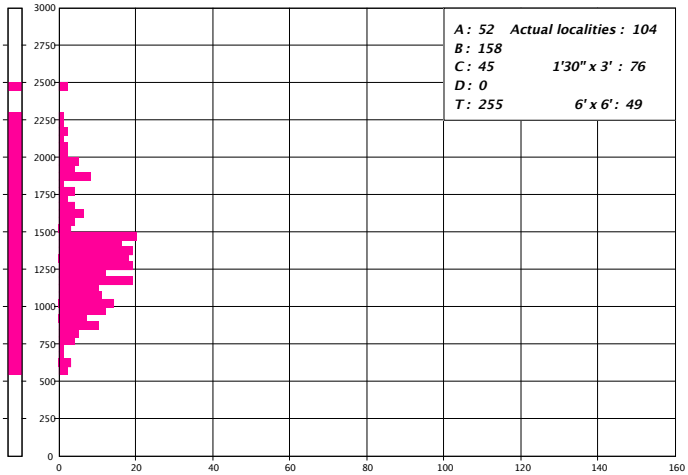
HESPERIIDAE *Pyrgus malvae*

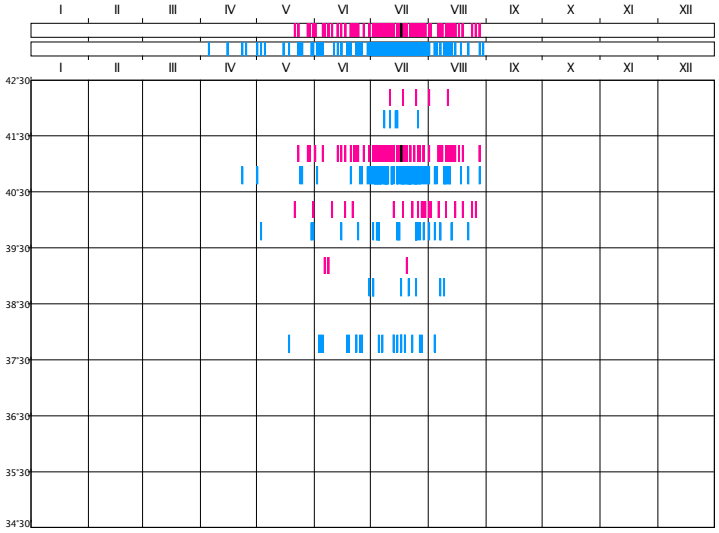




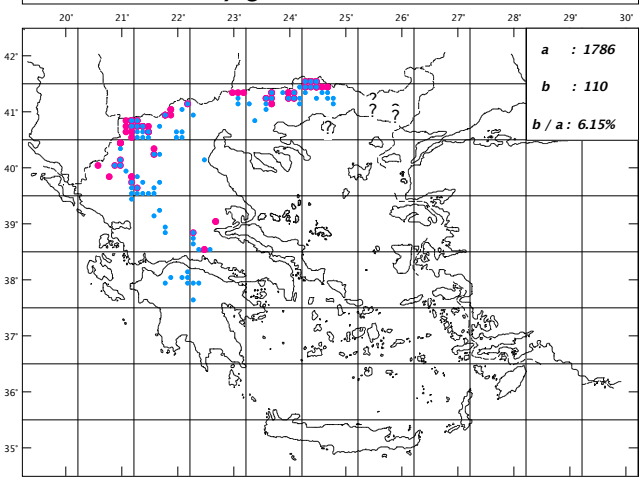


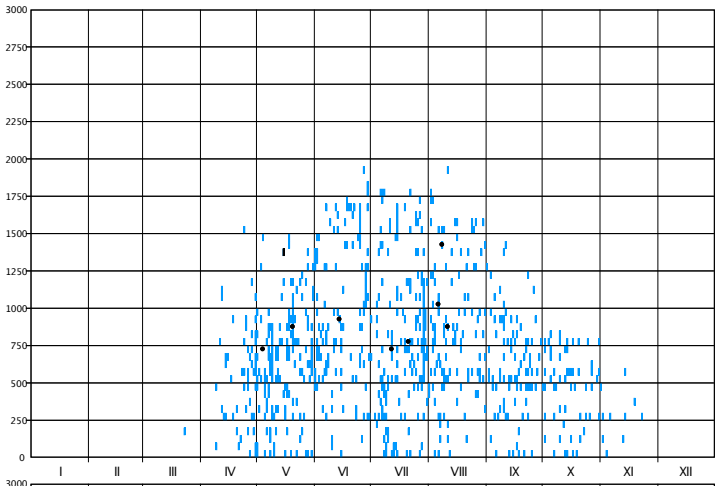


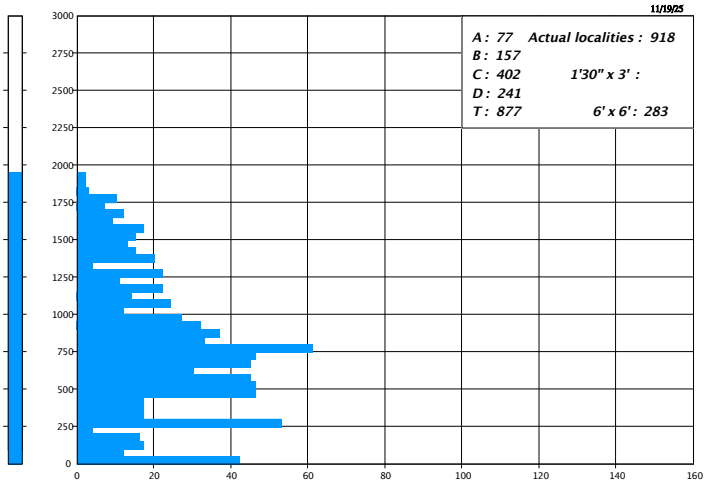


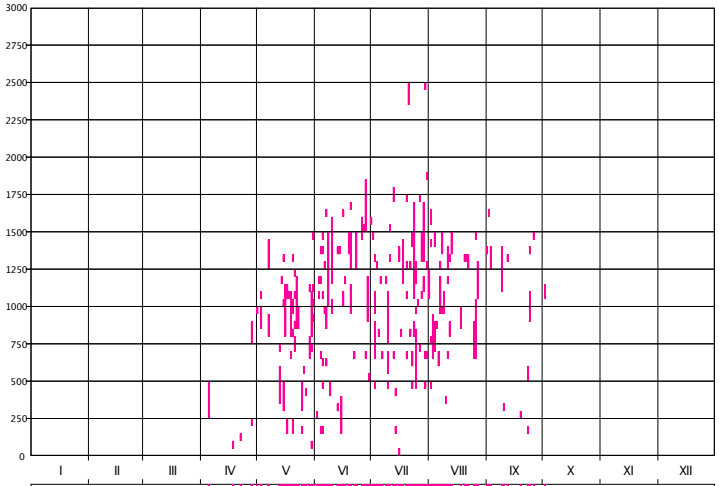


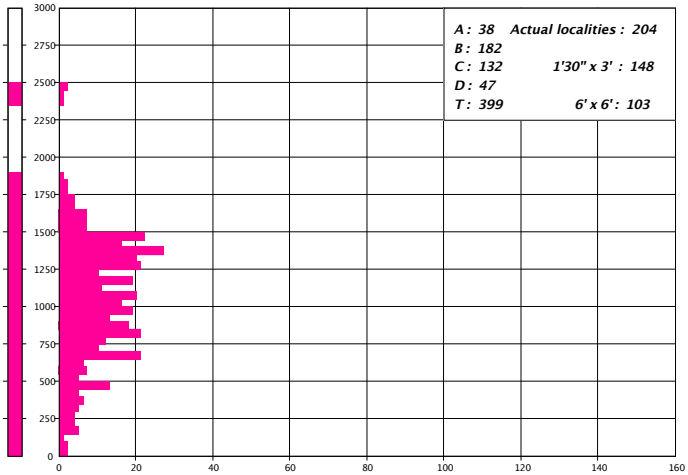
HESPERIIDAE *Pyrgus alveus*

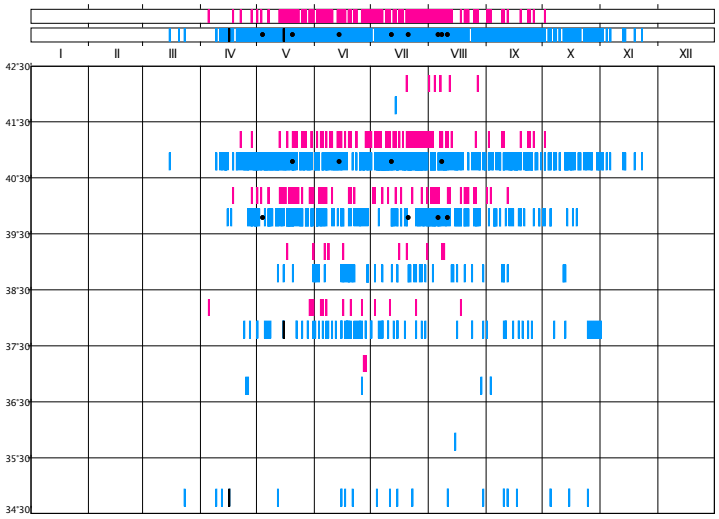




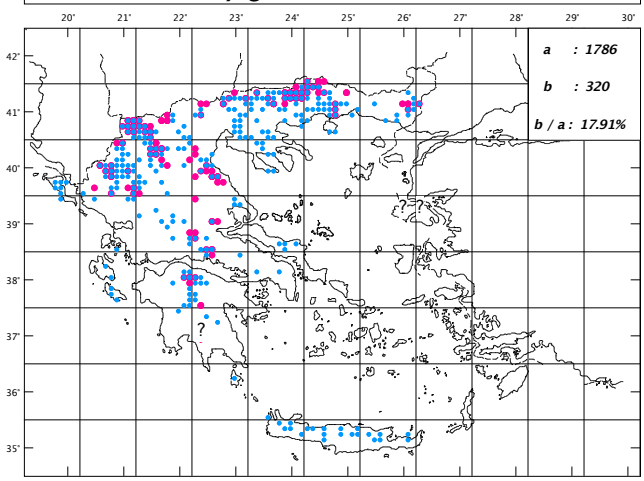


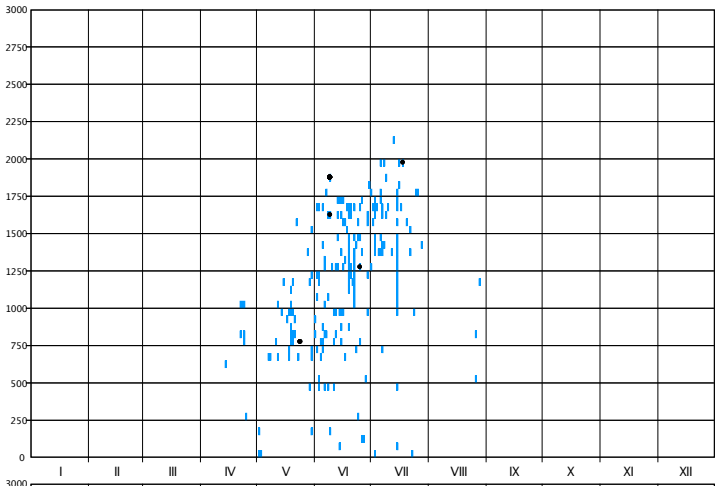


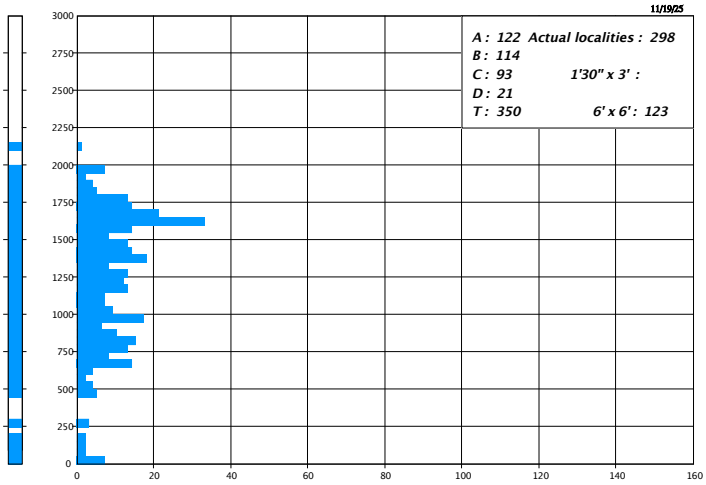


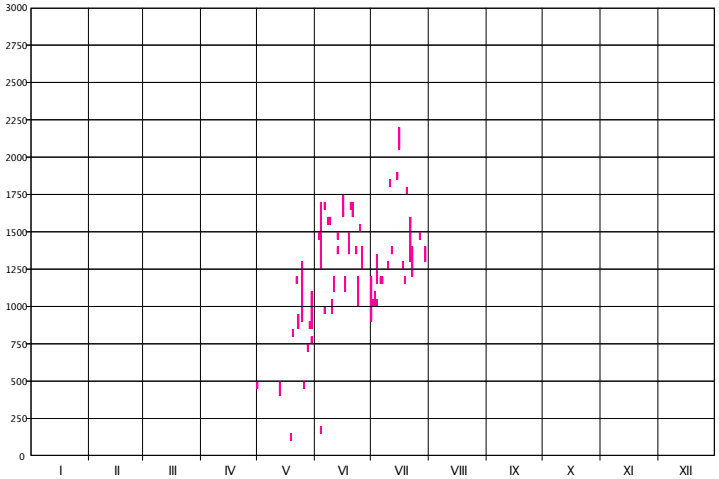


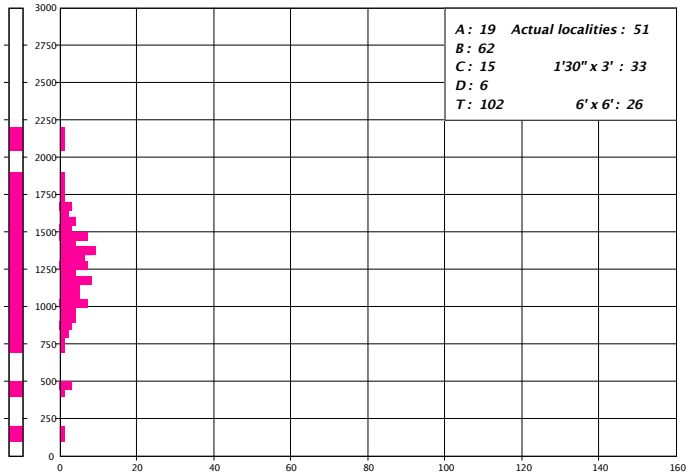
HESPERIIDAE *Pyrgus armoricanus*

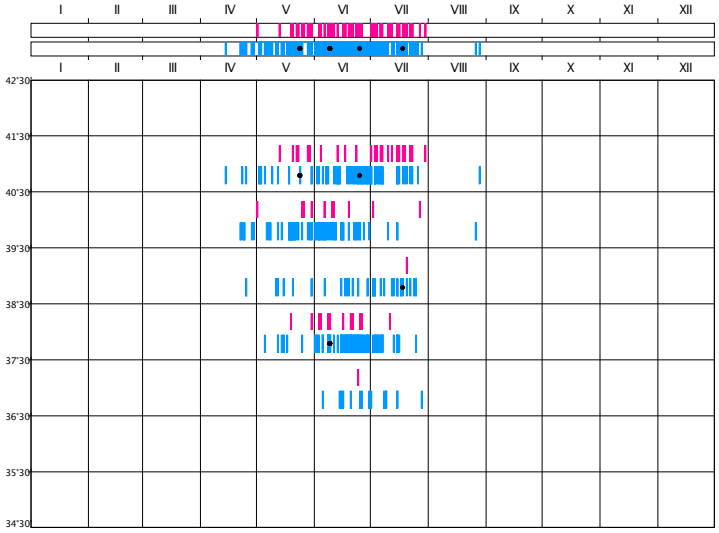




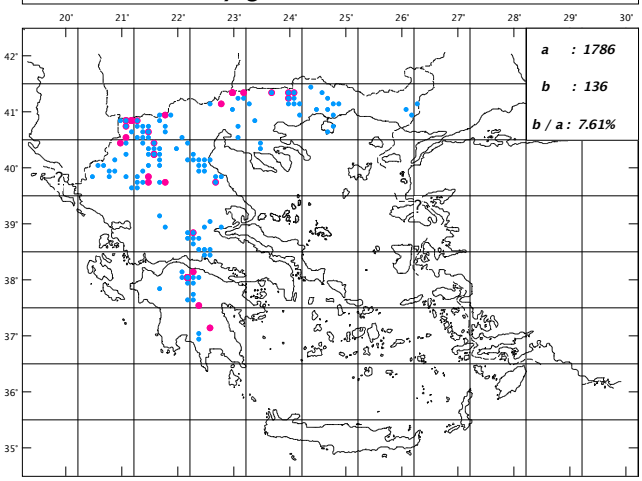


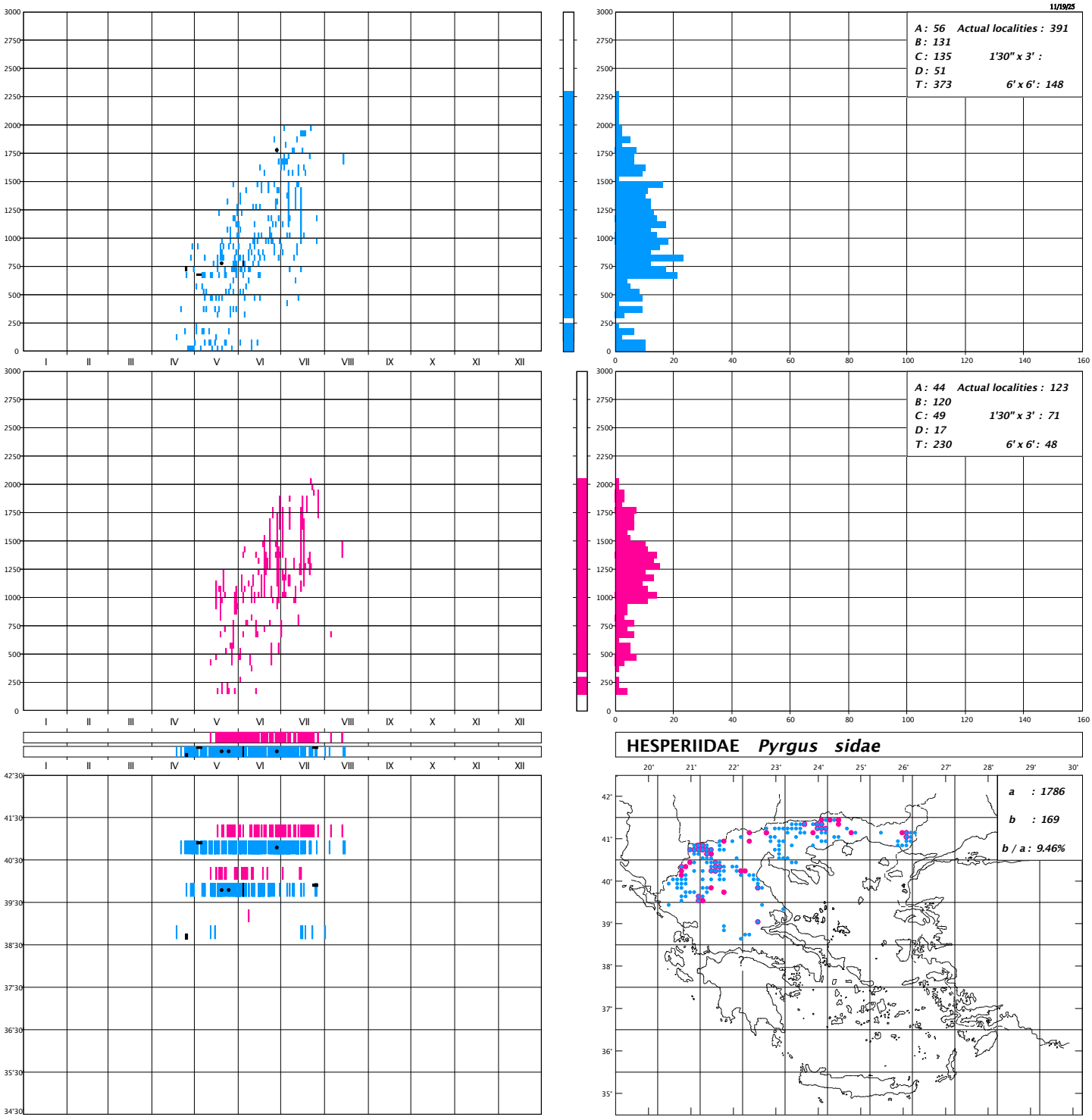


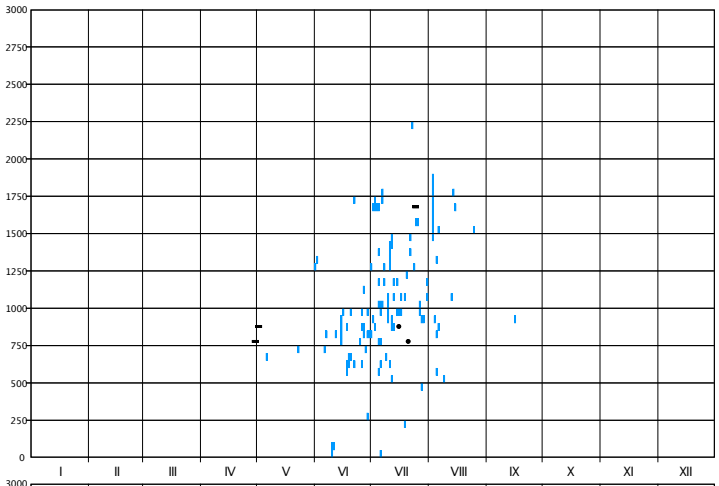


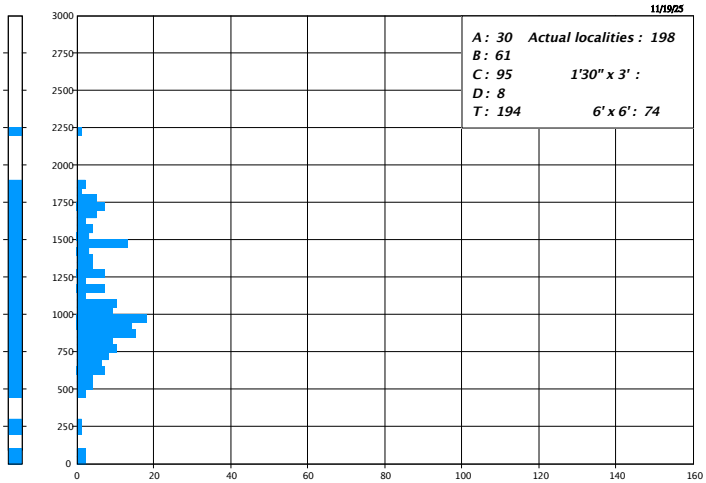


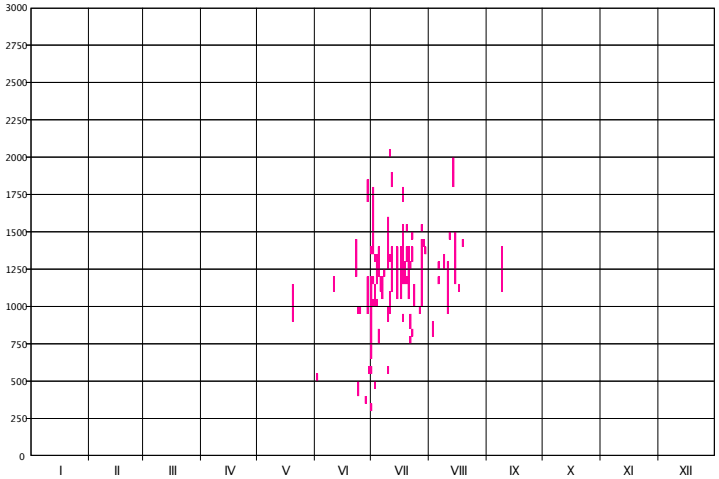
HESPERIIDAE *Pyrgus serratulae*

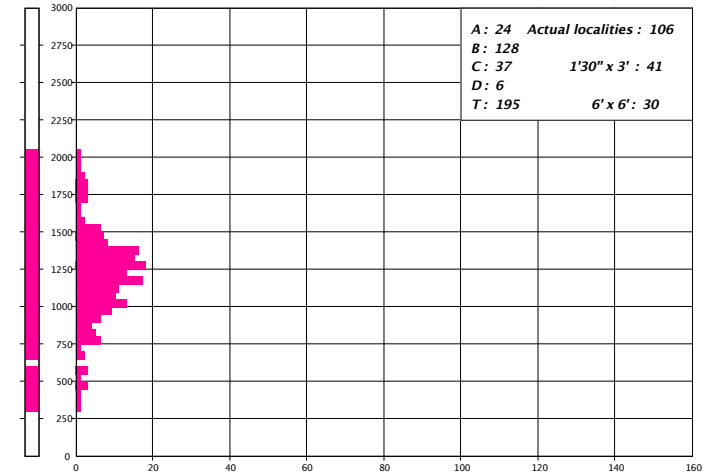


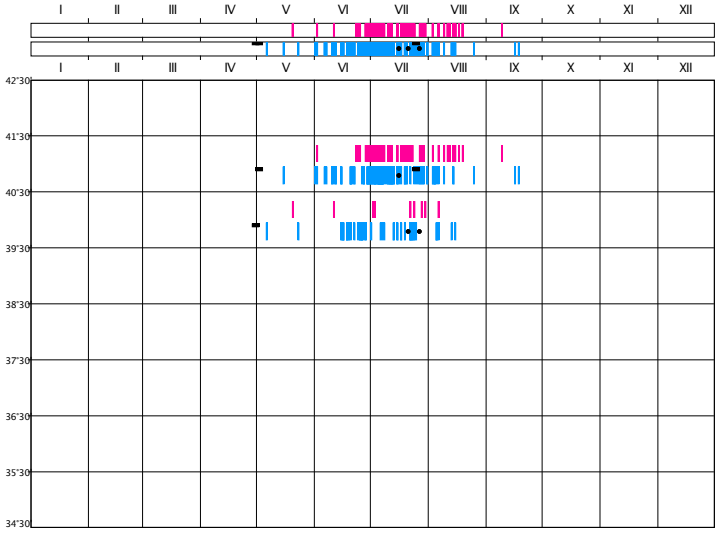

11/19/25
A : 56 Actual localities : 391
B : 131
C : 135 1'30" x 3' :
D : 51
T : 373 6' x 6' : 148
A : 44 Actual localities : 123
B : 120
C : 49 1'30" x 3' : 71
D : 17
T : 230 6' x 6' : 48
HESPERIIDAE Pyrgus sidae
a : 1786
b : 169
b / a : 9.46%



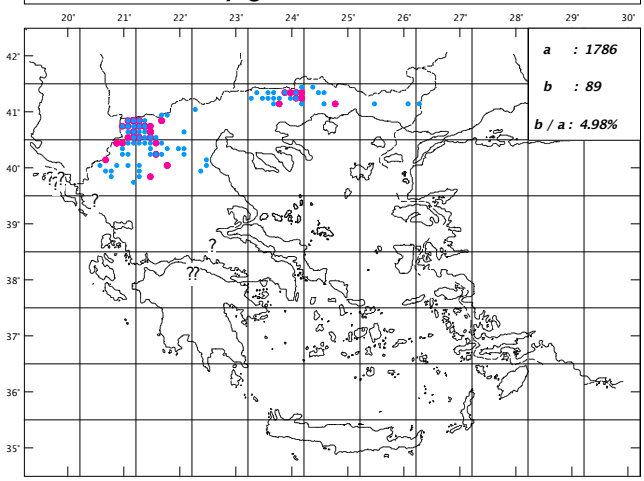


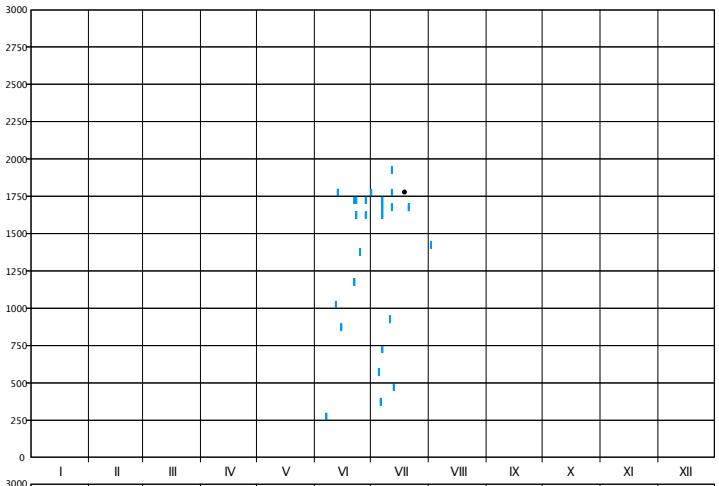


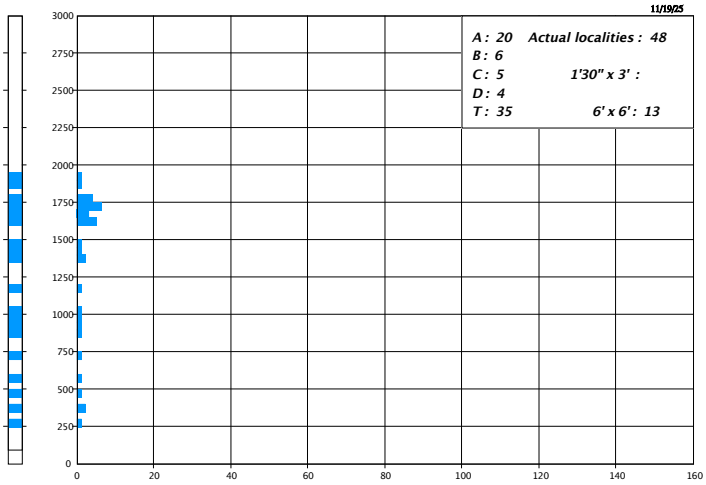


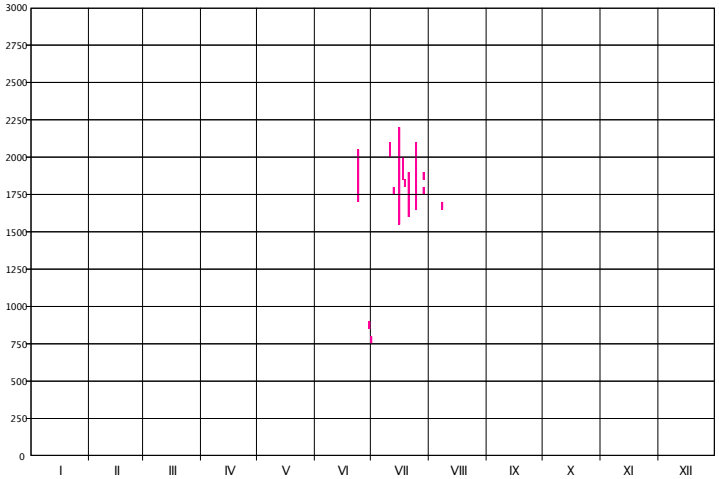


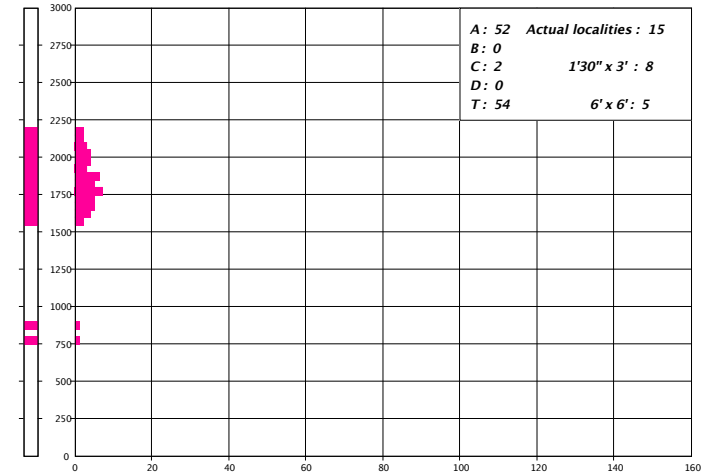
HESPERIIDAE *Pyrgus cinarae*

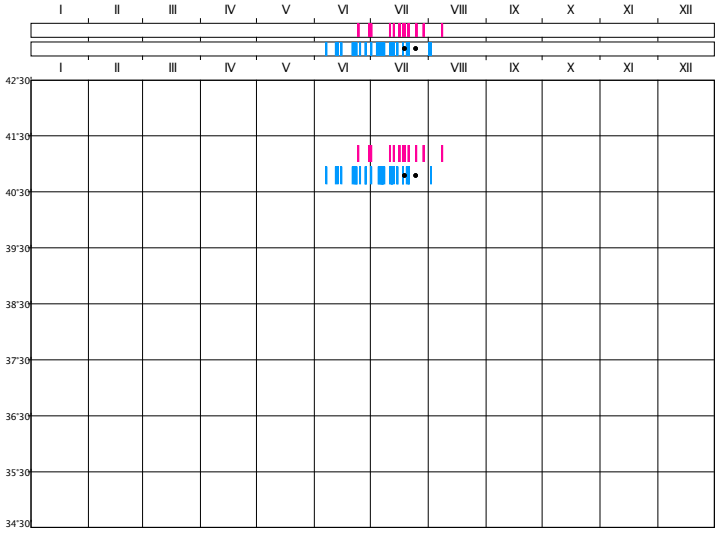




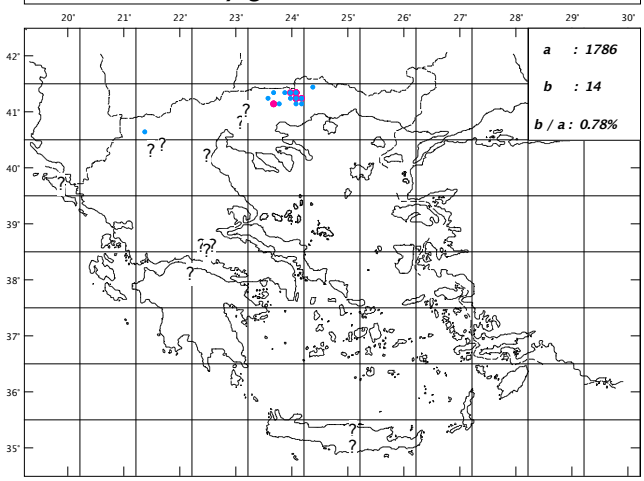


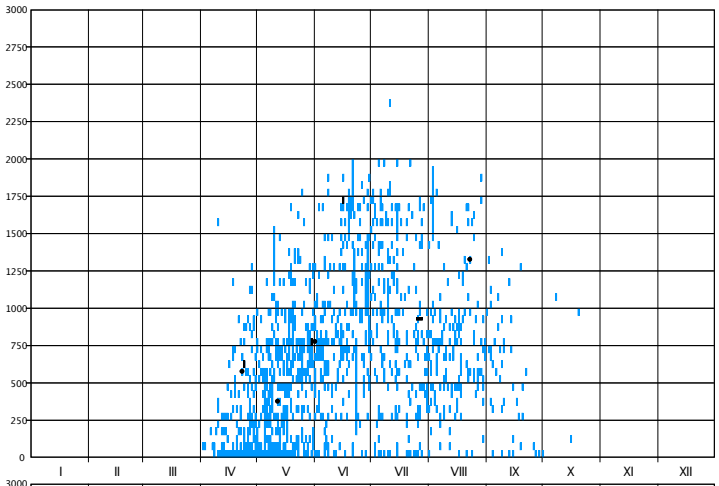


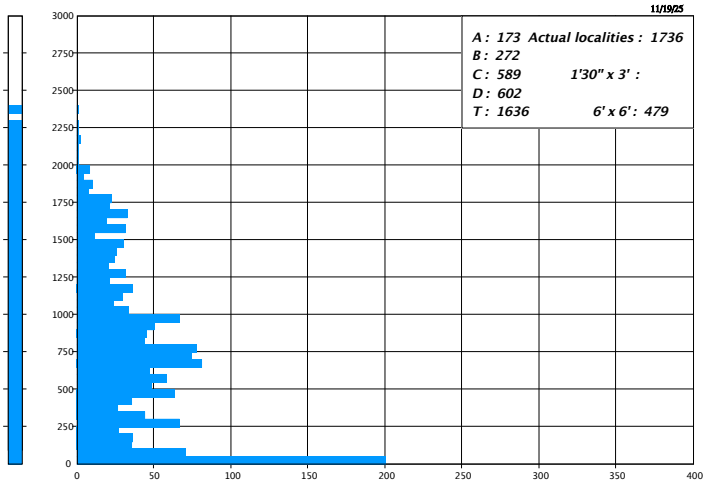


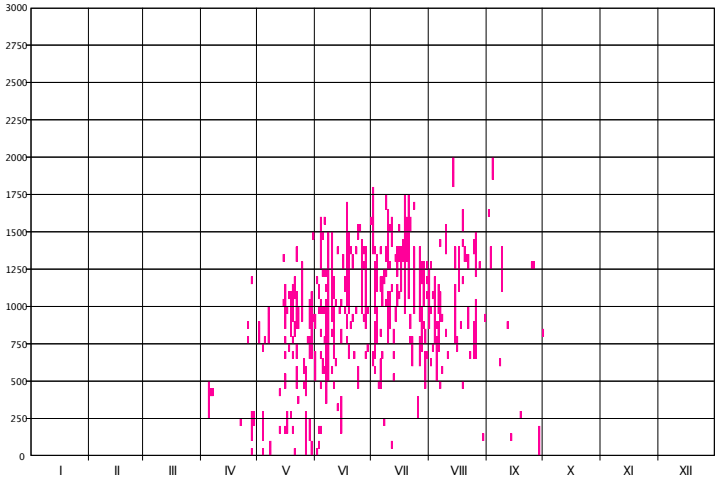


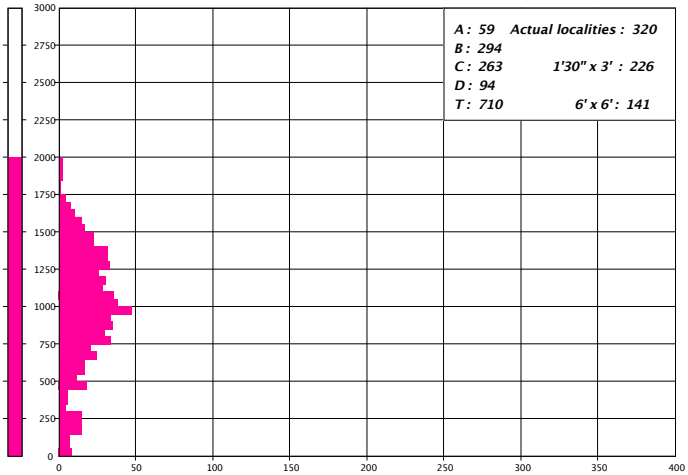
HESPERIIDAE *Pyrgus carthami*



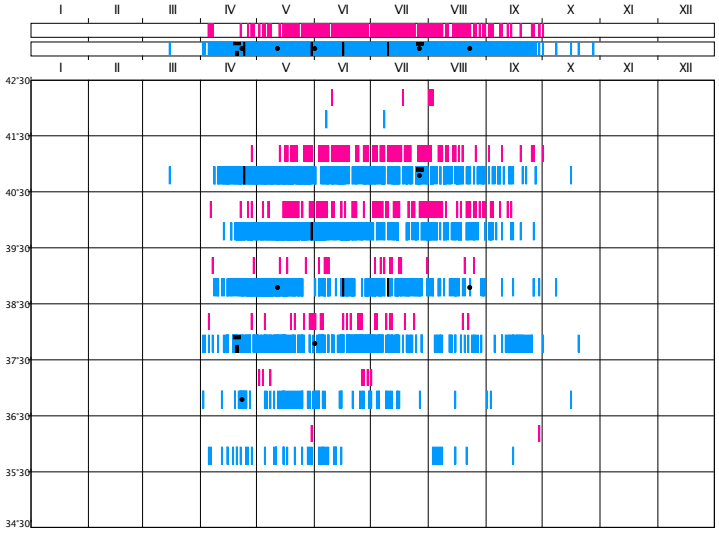


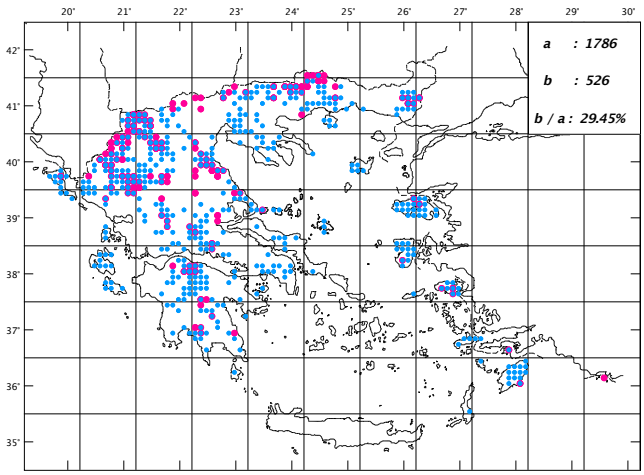


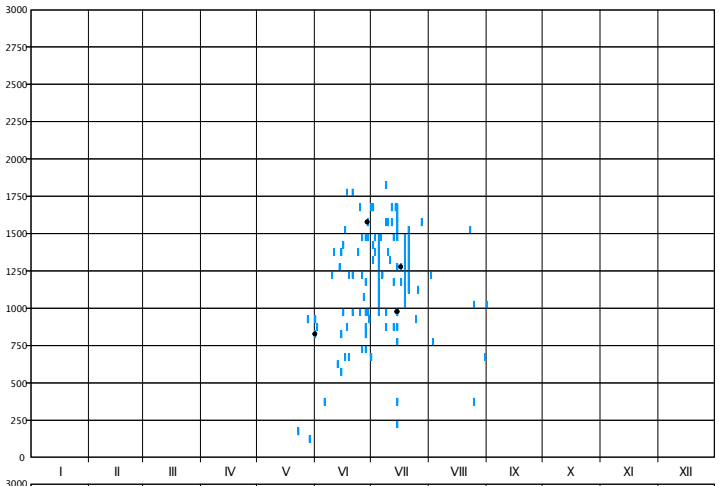


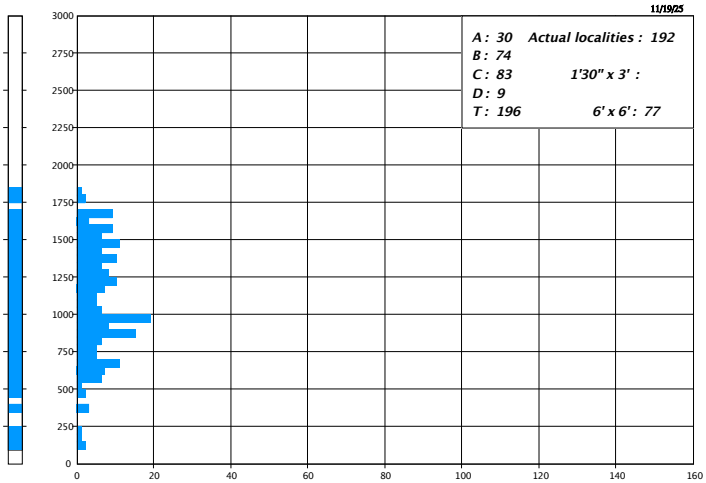


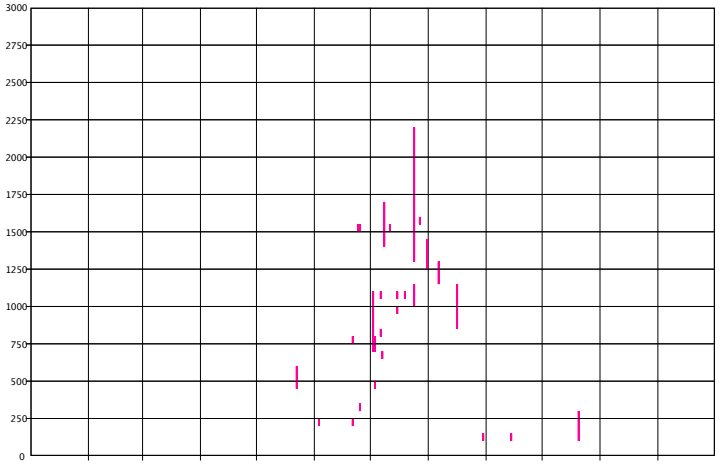
HESPERIIDAE *Spialia orbifer*

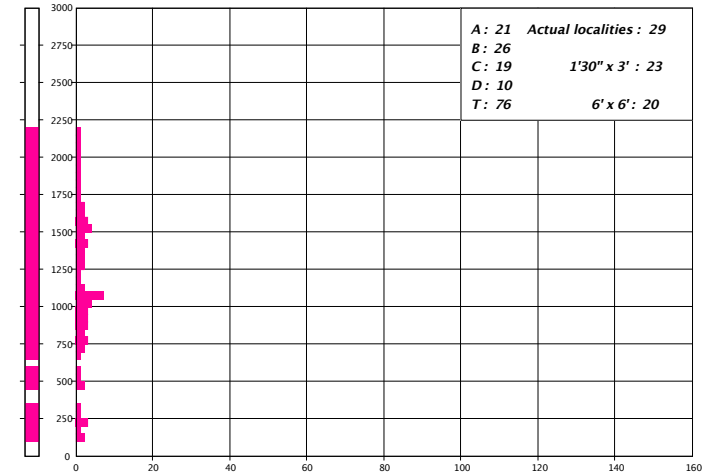


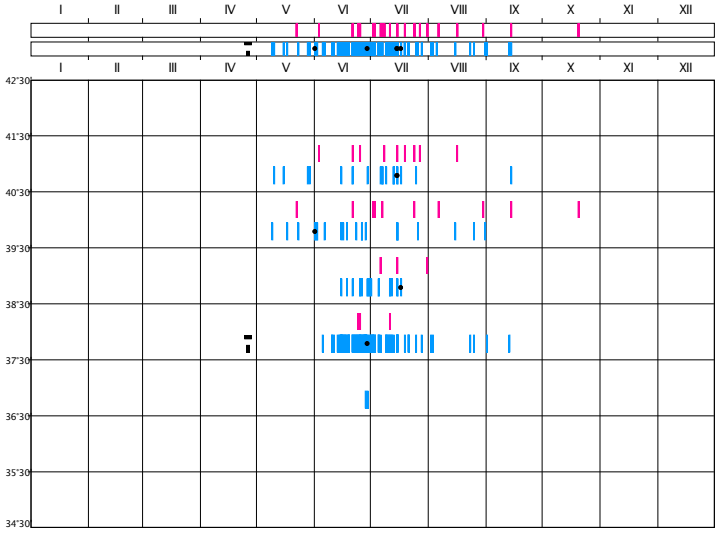




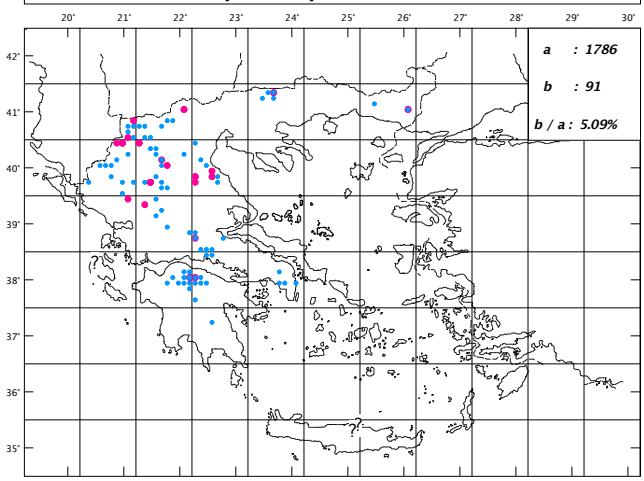


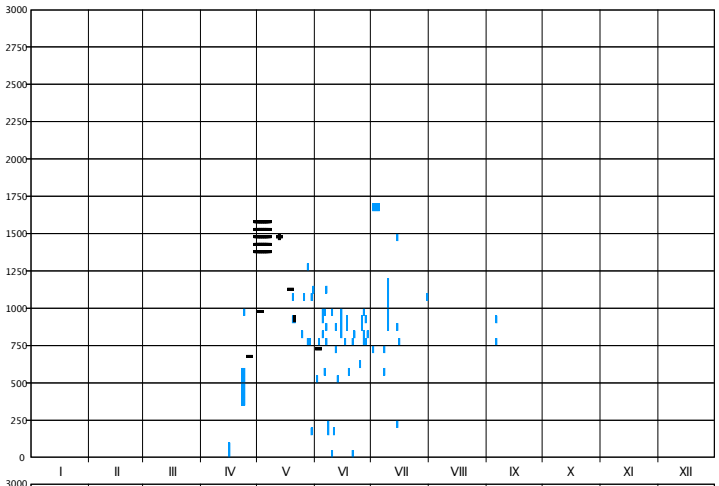


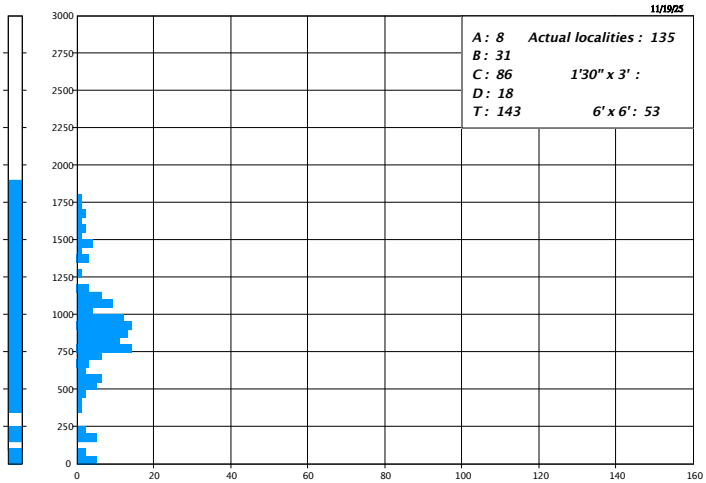


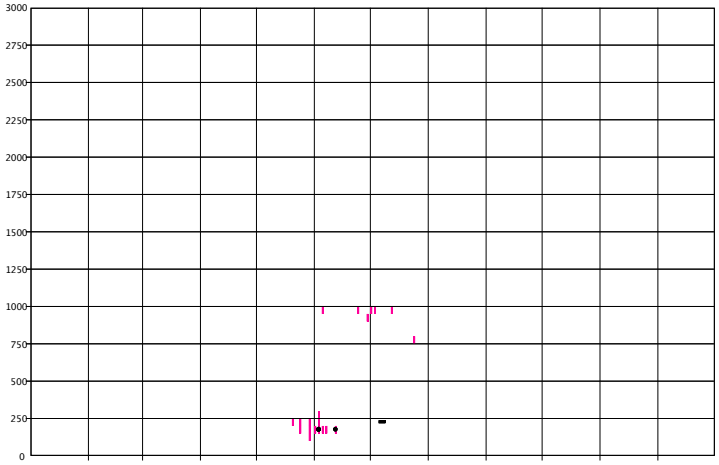


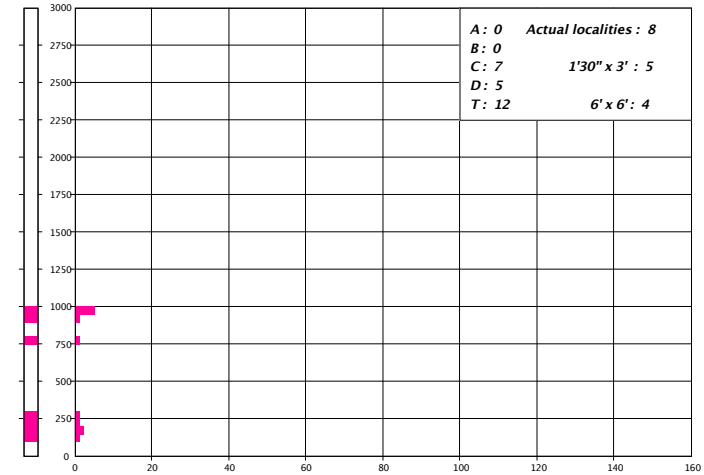
HESPERIIDAE *Spialia phlomidis*

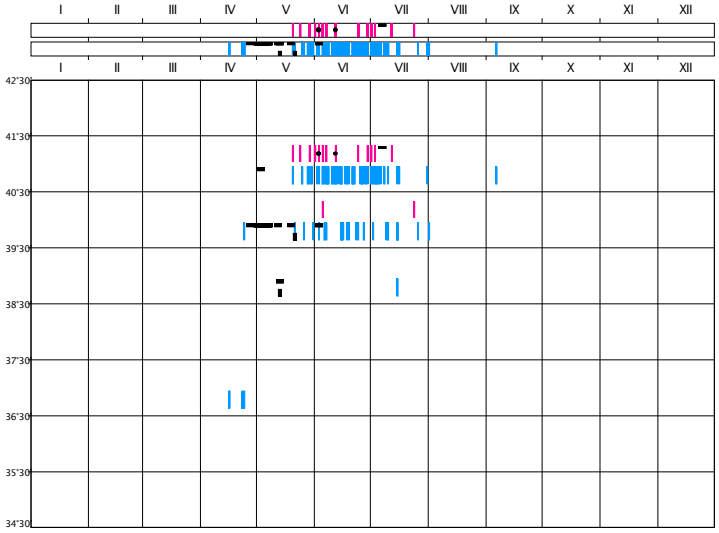




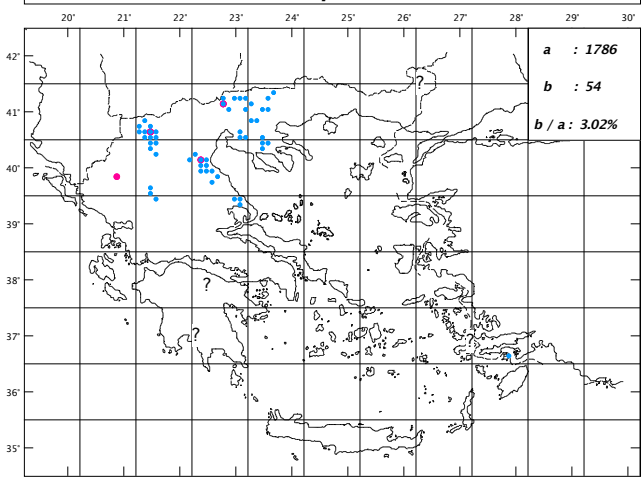


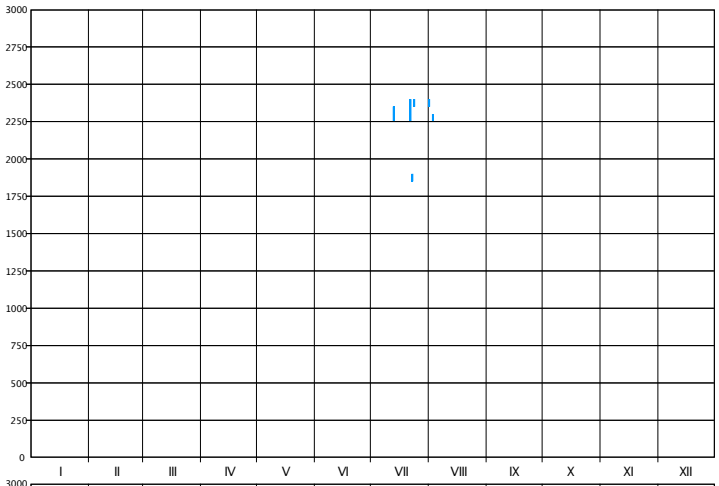


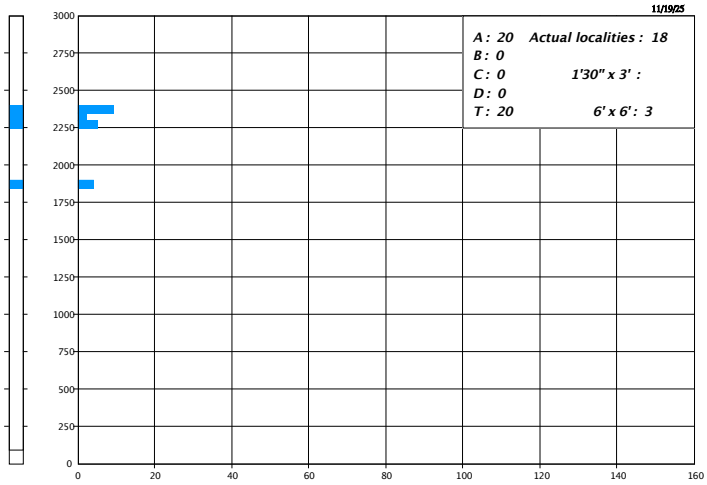


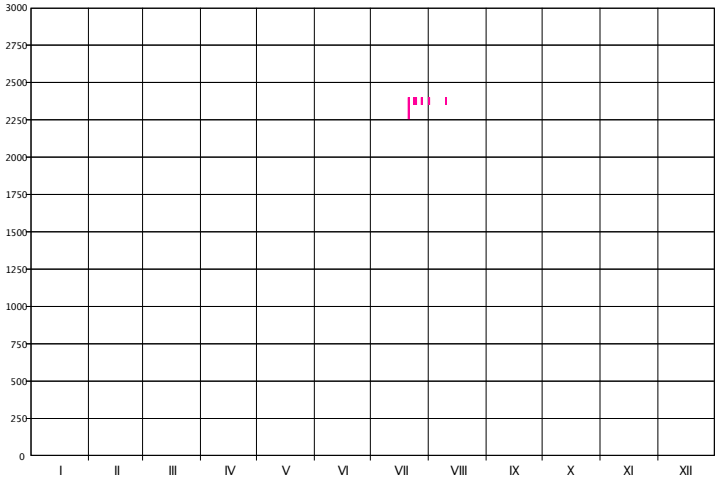


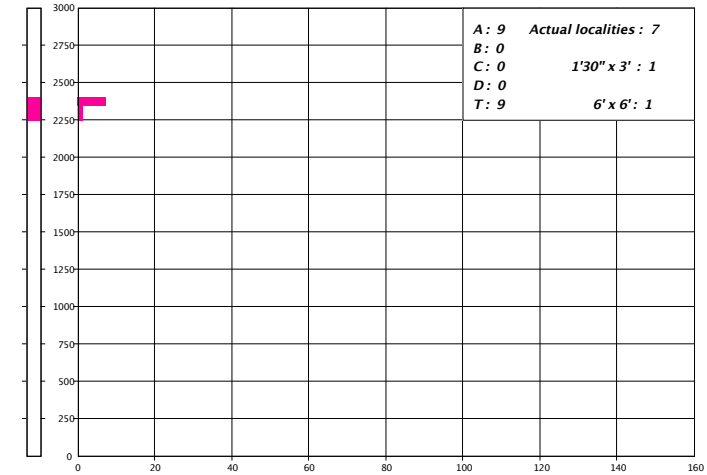
HESPERIIDAE *Muschampia tessellum*

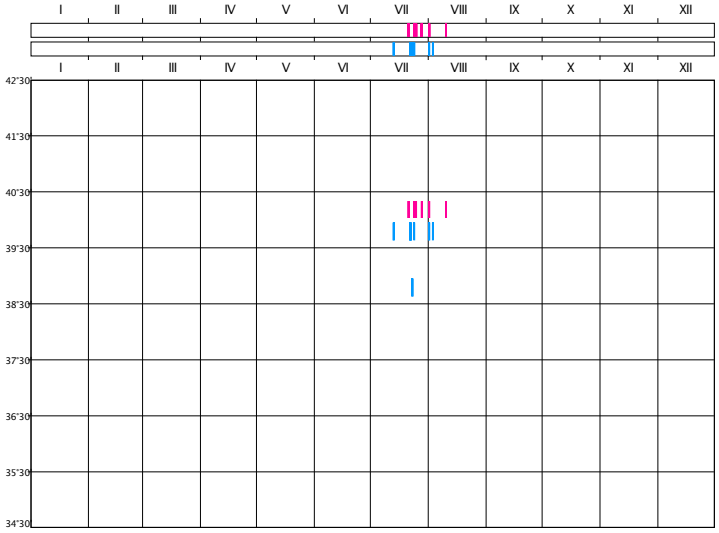




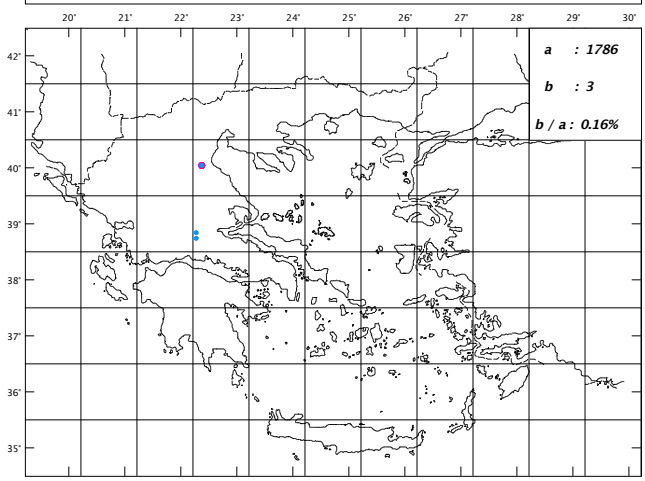


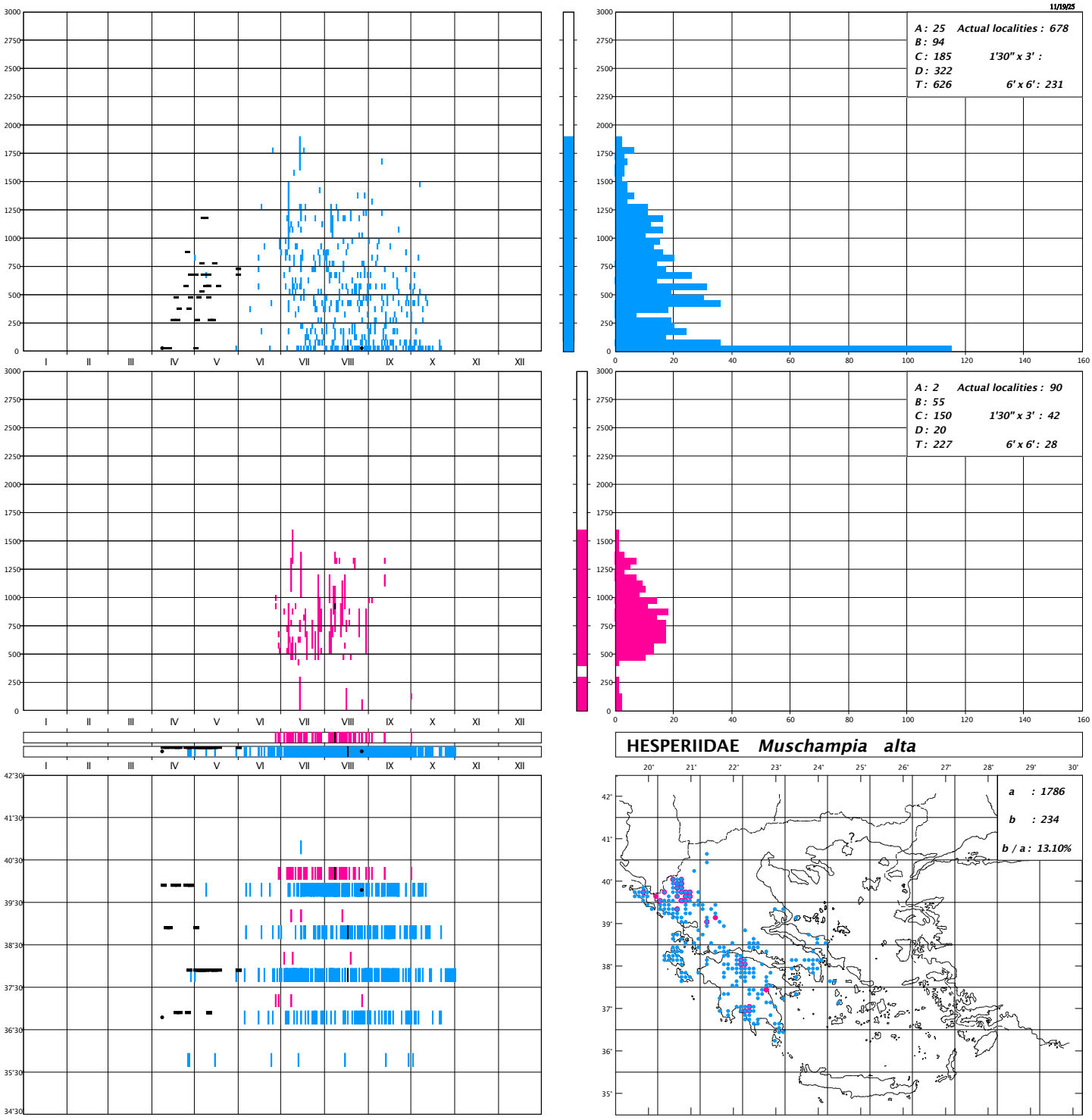


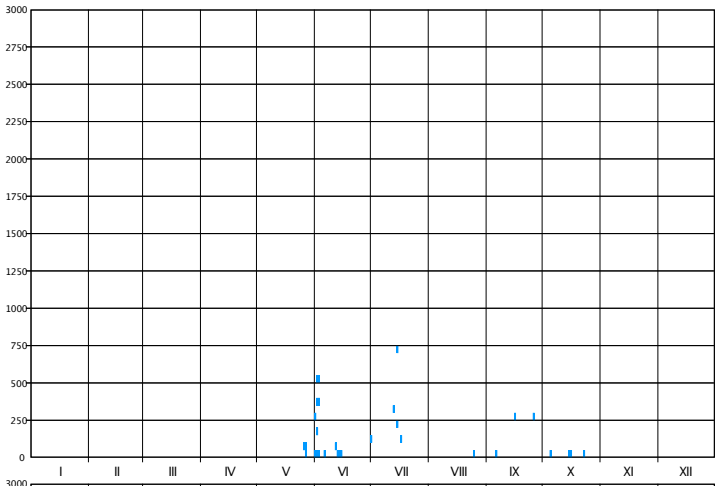


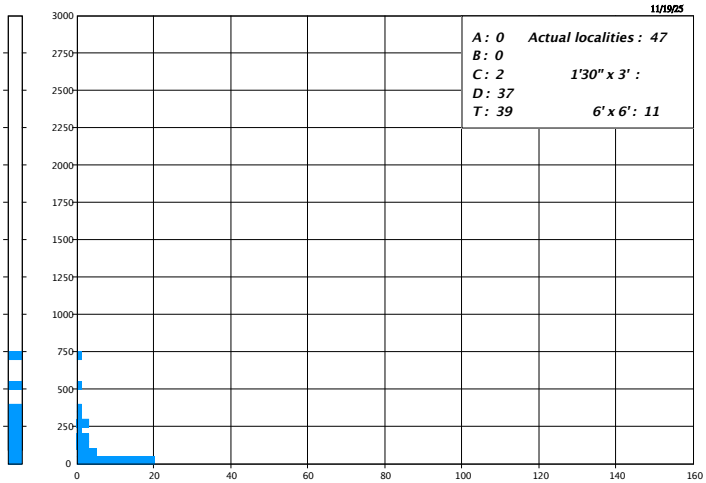


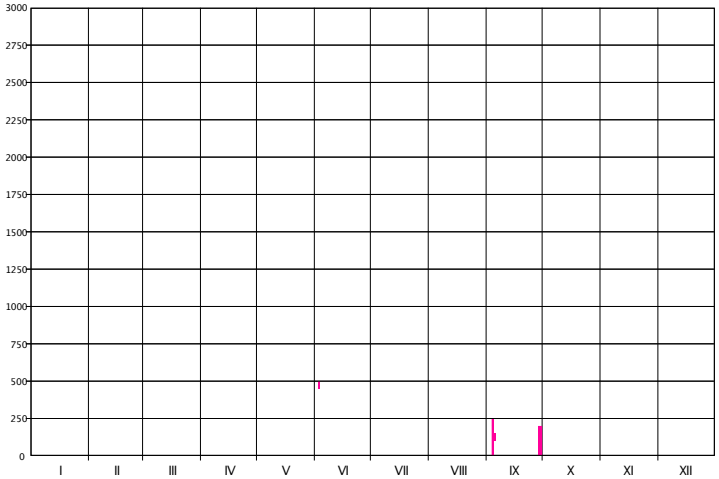
HESPERIIDAE *Favria cribrellum*

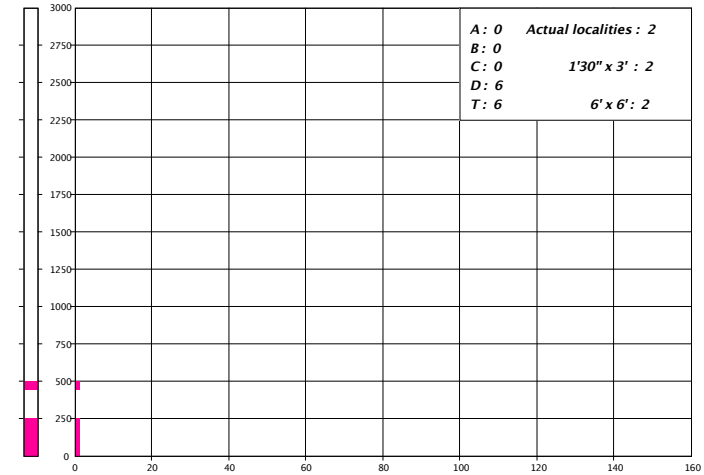


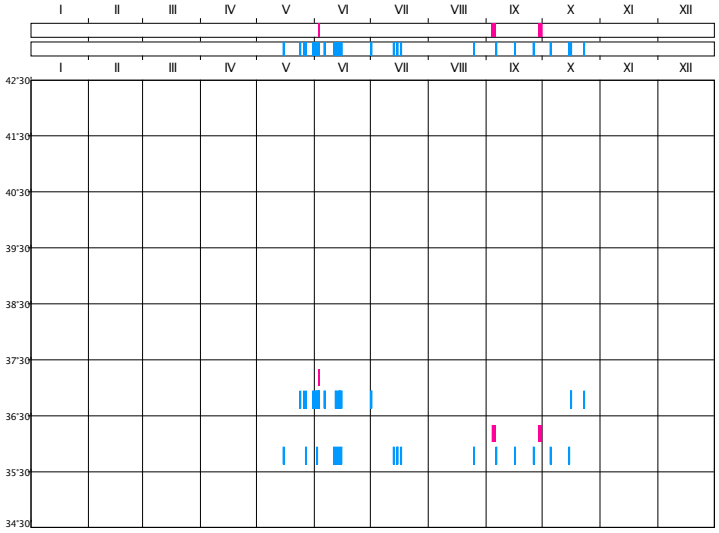

11/19/25
A : 25 Actual localities : 678
B : 94
C : 185 1'30" x 3' :
D : 322
T : 626 6' x 6' : 231
A : 2 Actual localities : 90
B : 55
C : 150 1'30" x 3' : 42
D : 20
T : 227 6' x 6' : 28
HESPERIIDAE Muschampia alta
a : 1786
b : 234
b / a : 13.10%



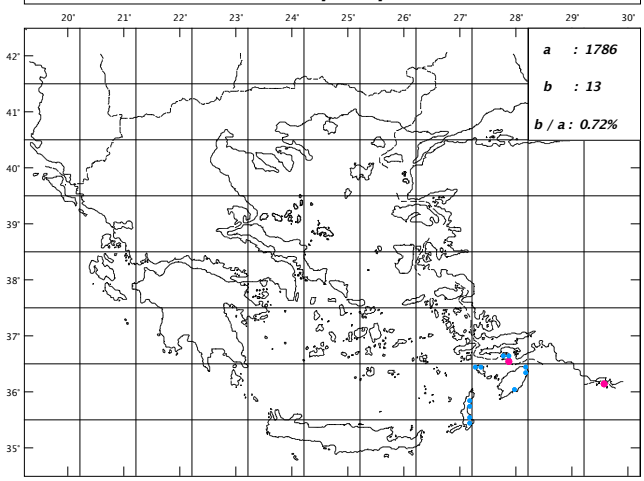


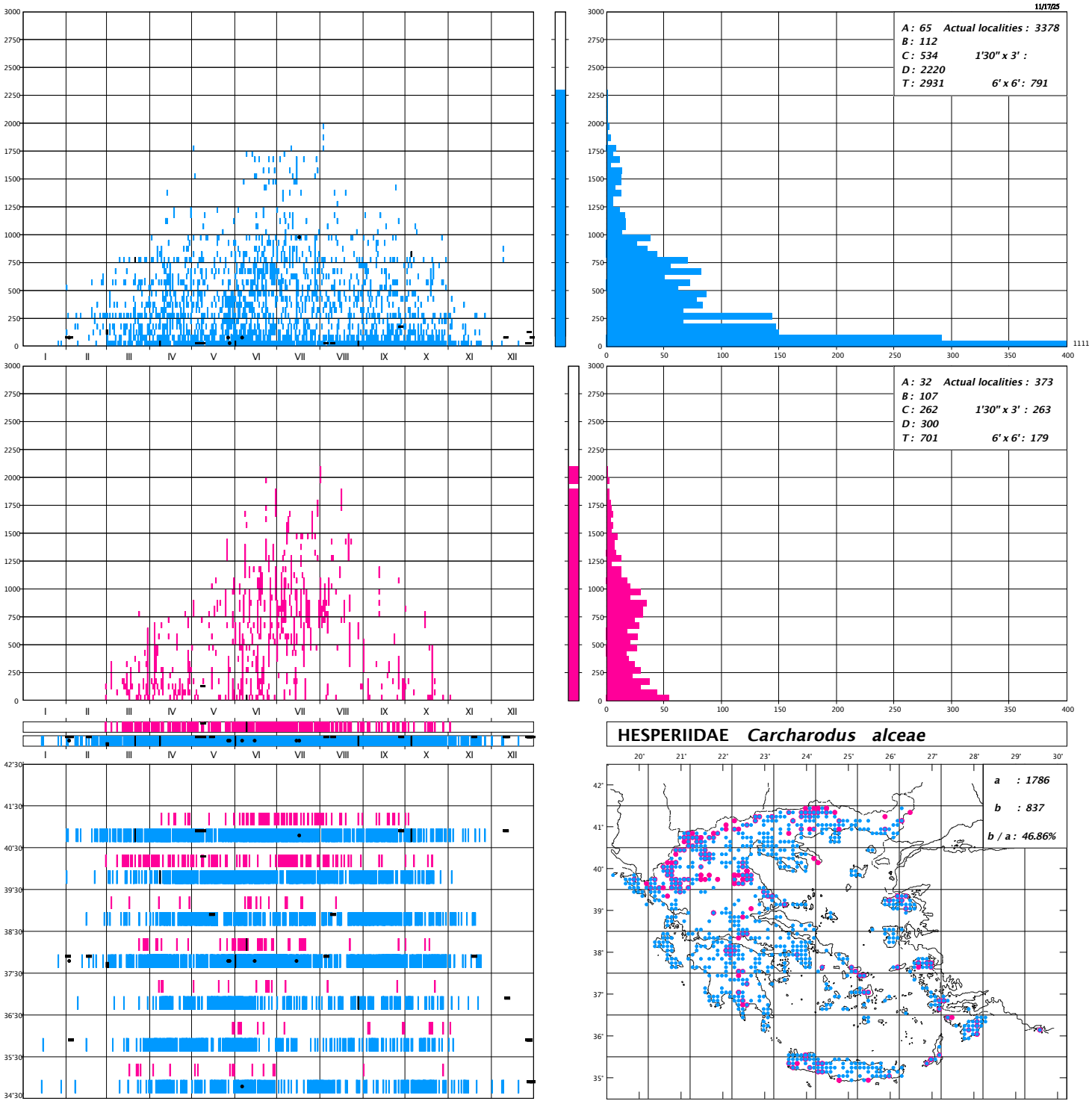


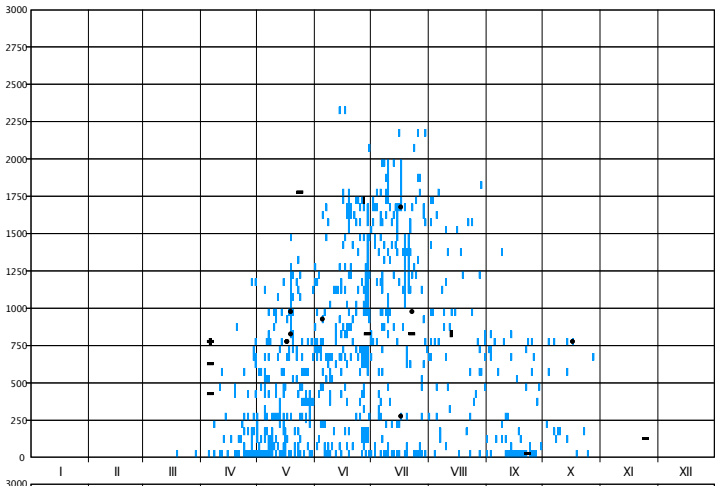


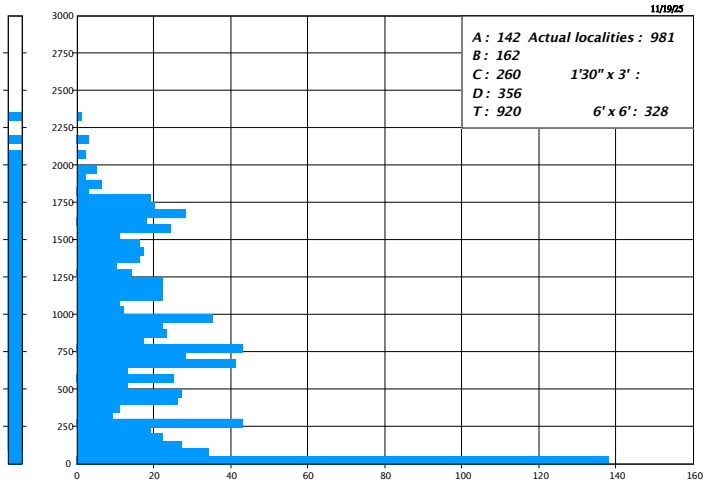


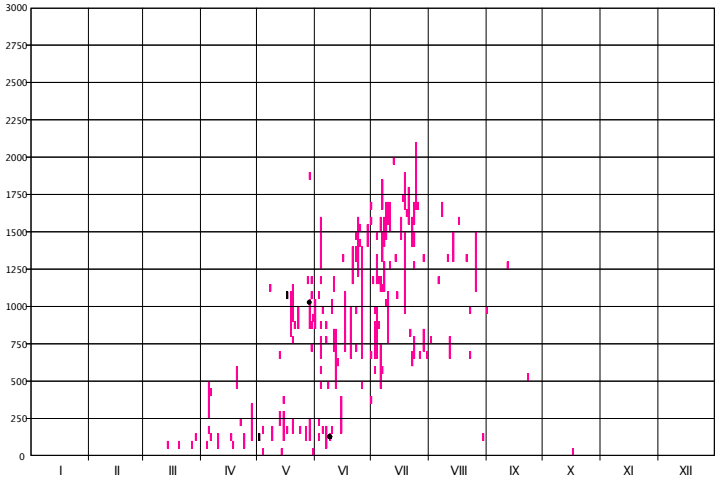
HESPERIIDAE *Muschampia proteides*

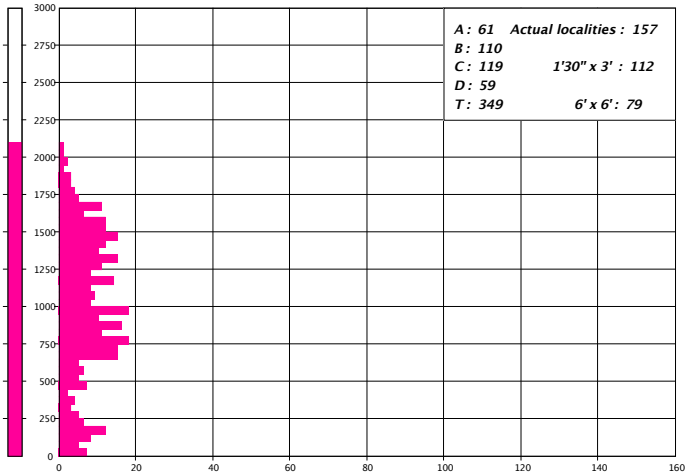


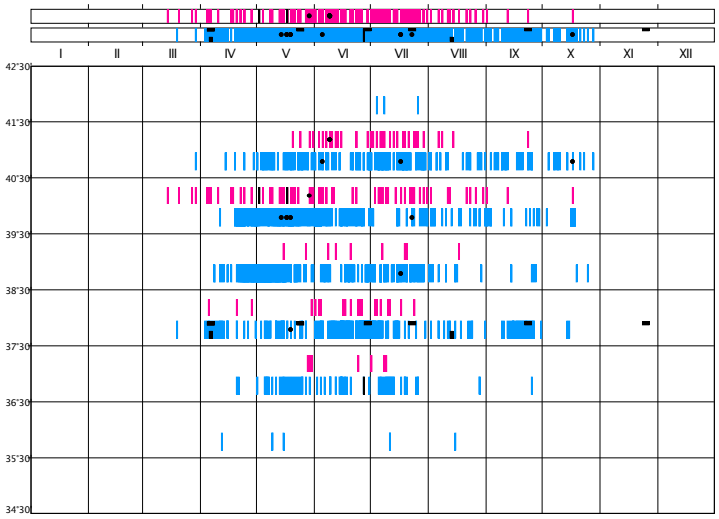

11/17/25
A : 65 Actual localities : 3378
B : 112
C : 534 1'30" x 3' :
D : 2220
T : 2931 6' x 6' : 791
A : 32 Actual localities : 373
B : 107
C : 262 1'30" x 3' : 263
D : 300
T : 701 6' x 6' : 179
HESPERIIDAE Carcharodus alceae
a : 1786
b : 837
b / a : 46.86%



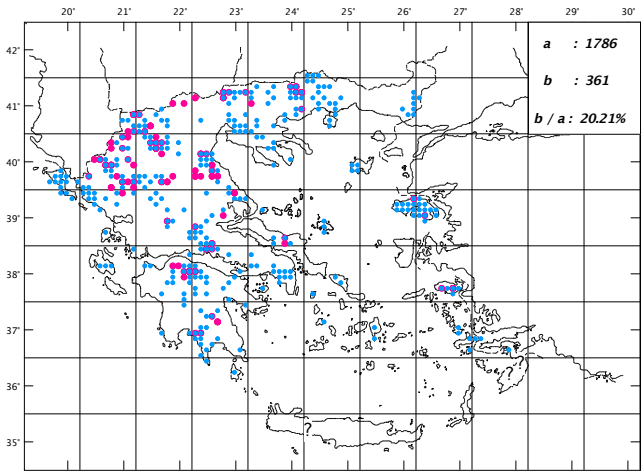


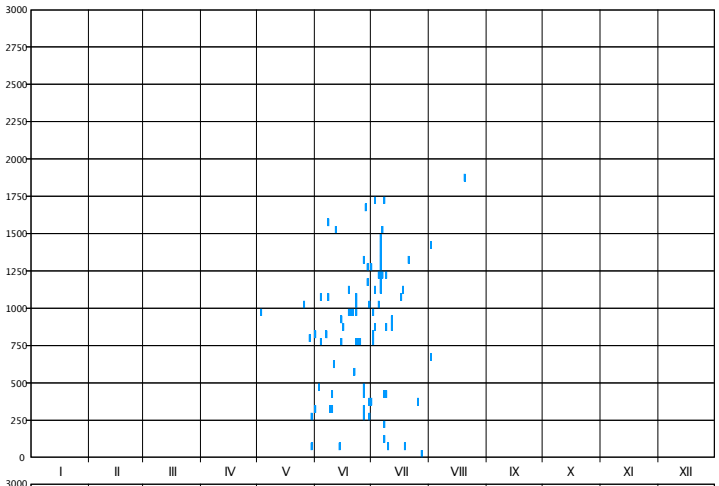


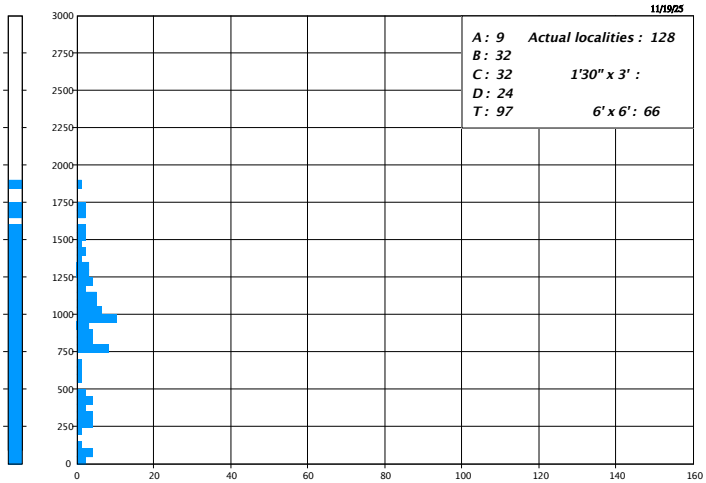


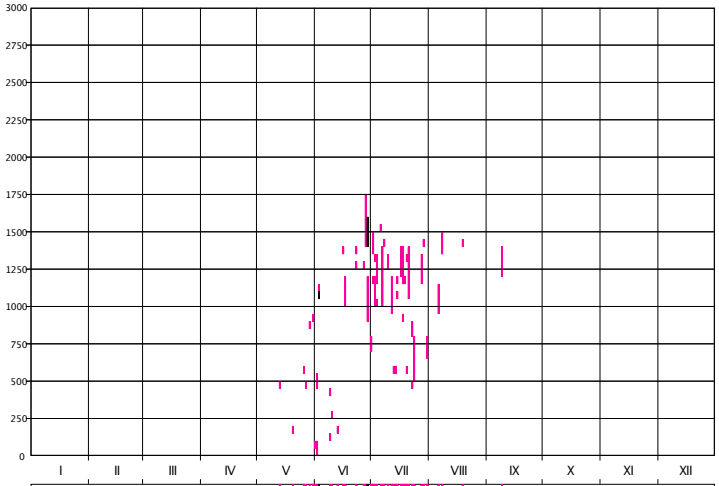


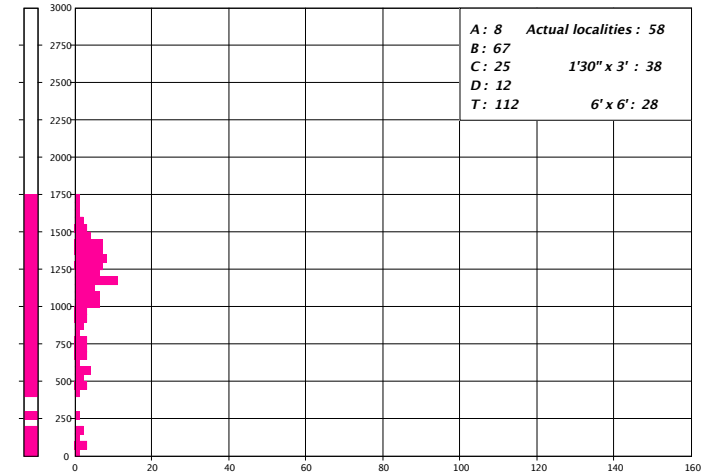
HESPERIIDAE *Muschampia orientalis*



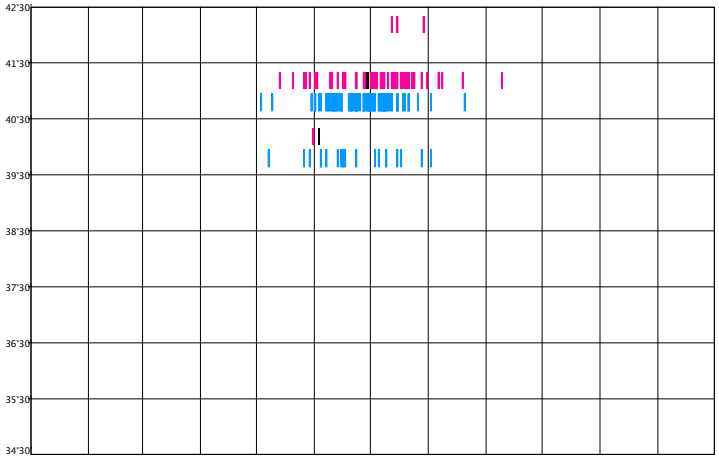


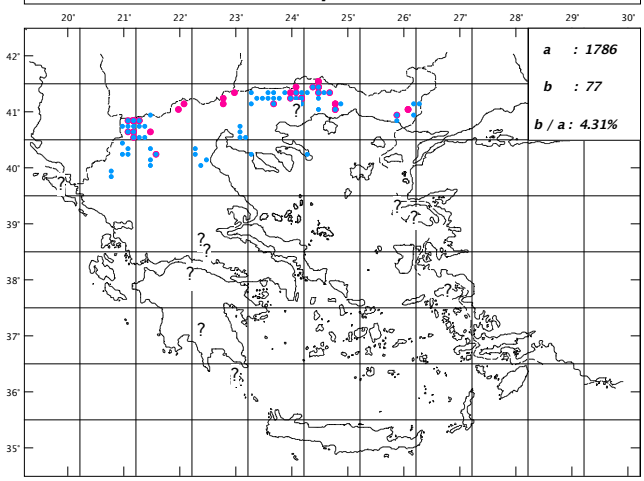


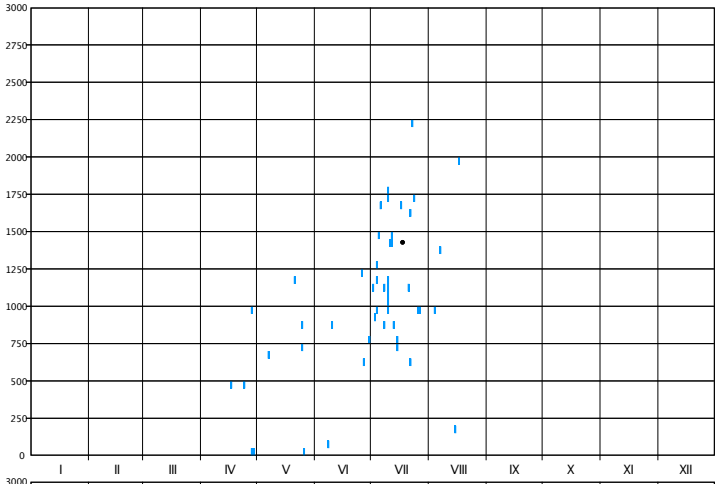


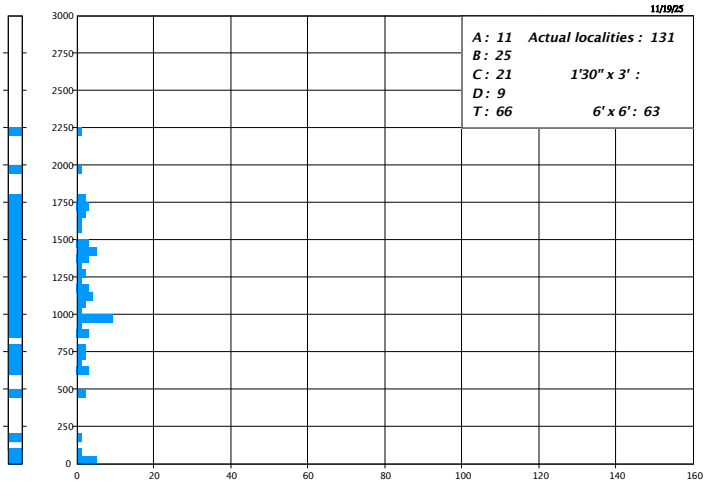


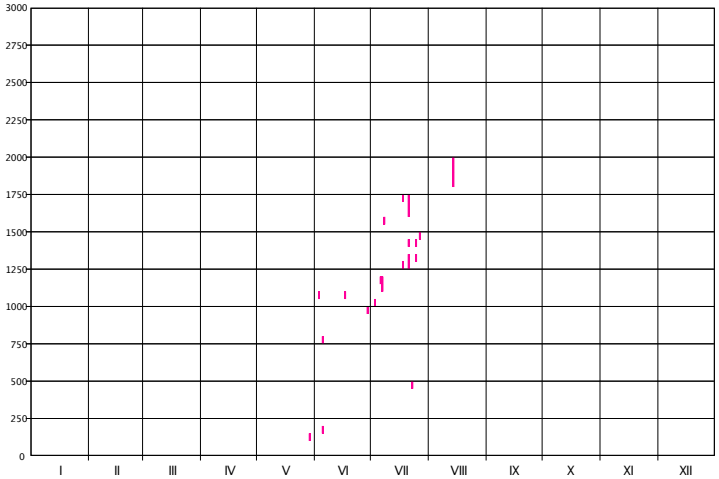
HESPERIIDAE *Muschampia lavatherae*

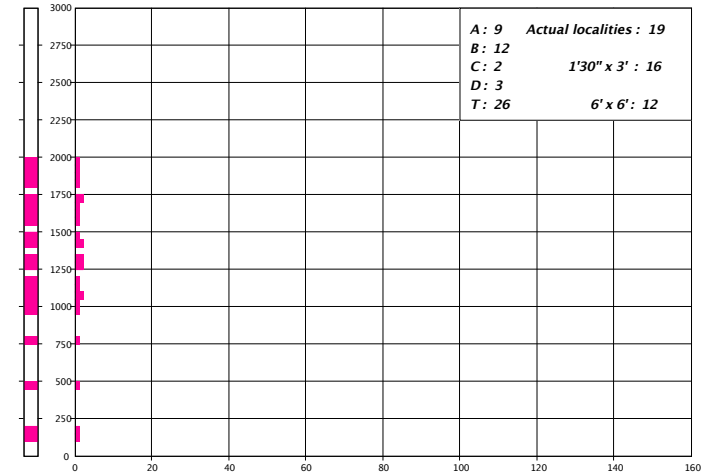


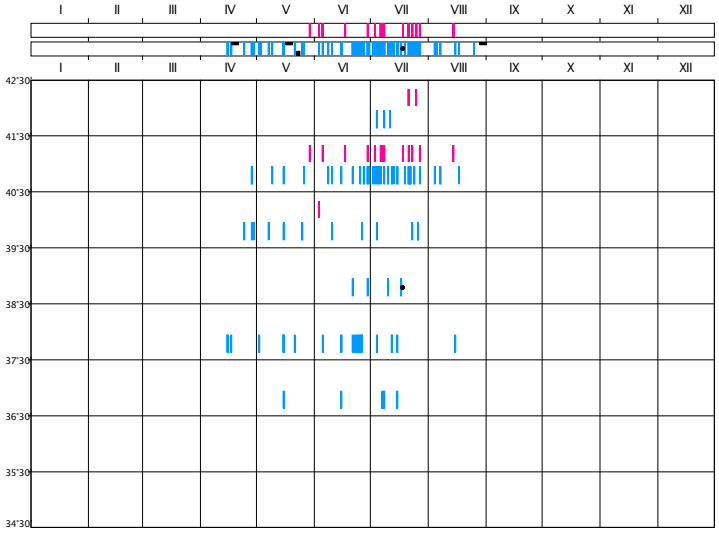




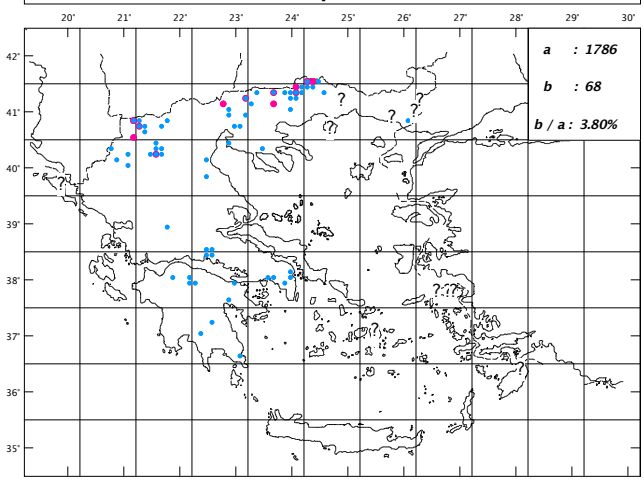


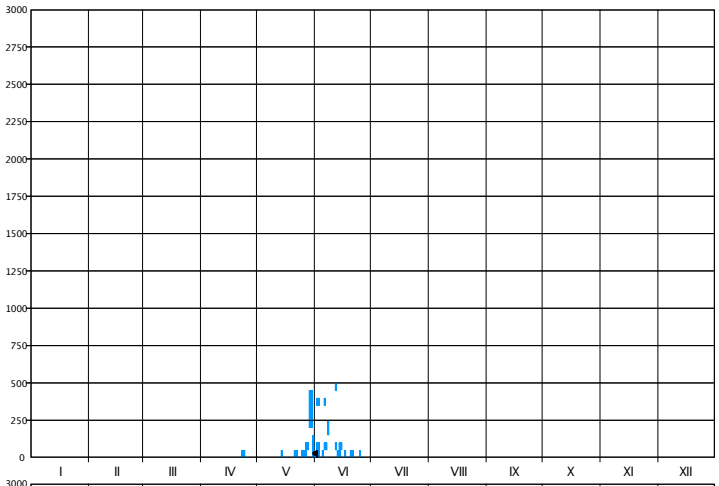


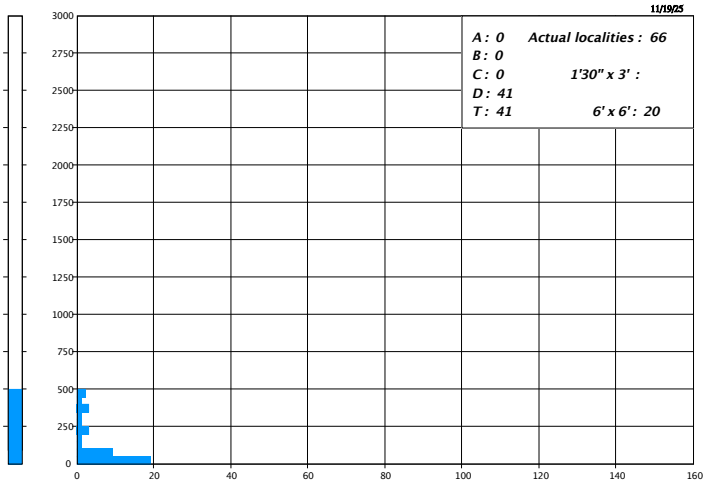


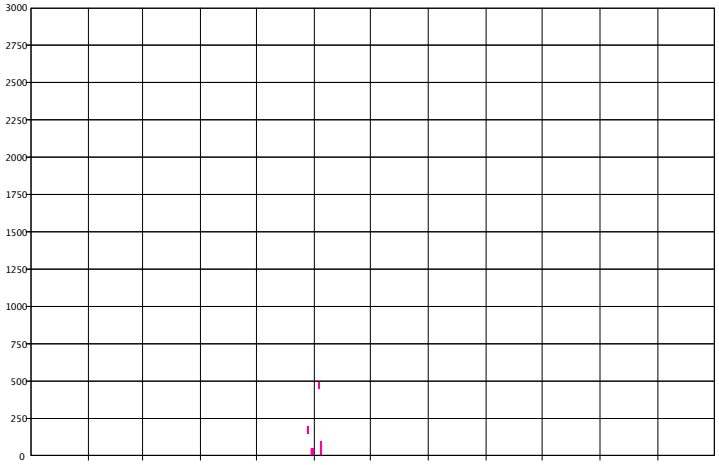


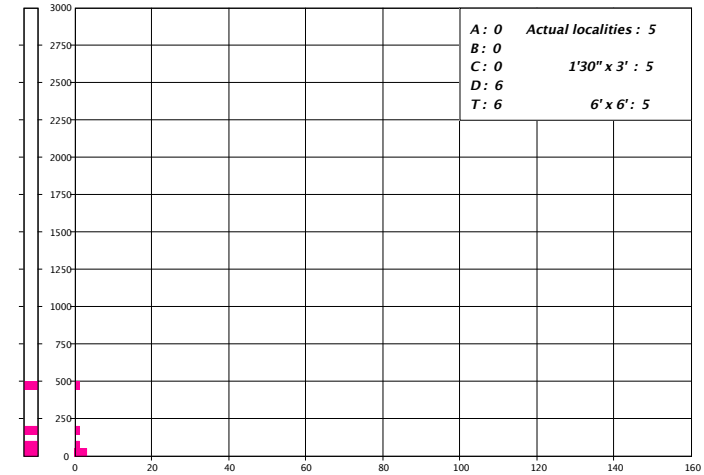
HESPERIIDAE *Muschampia floccifera*

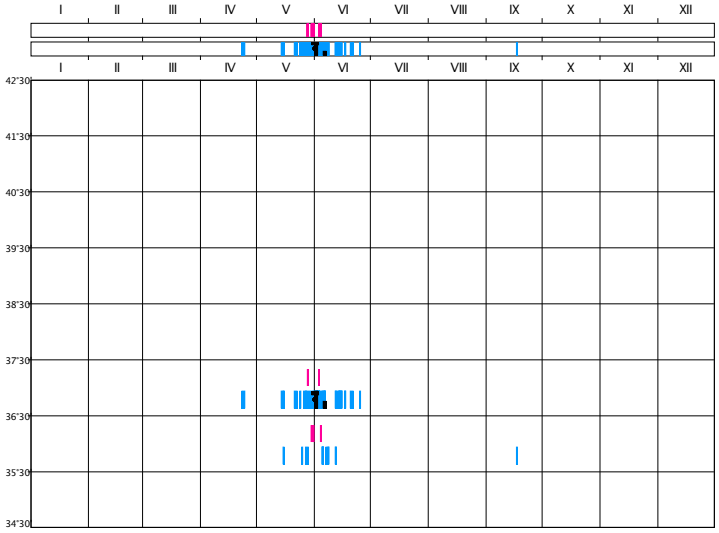




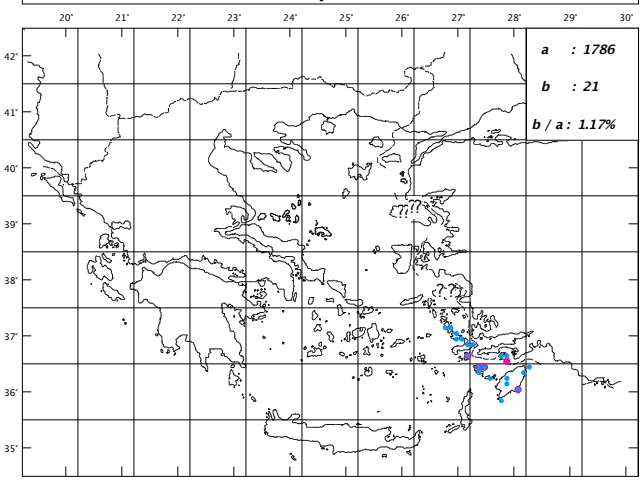


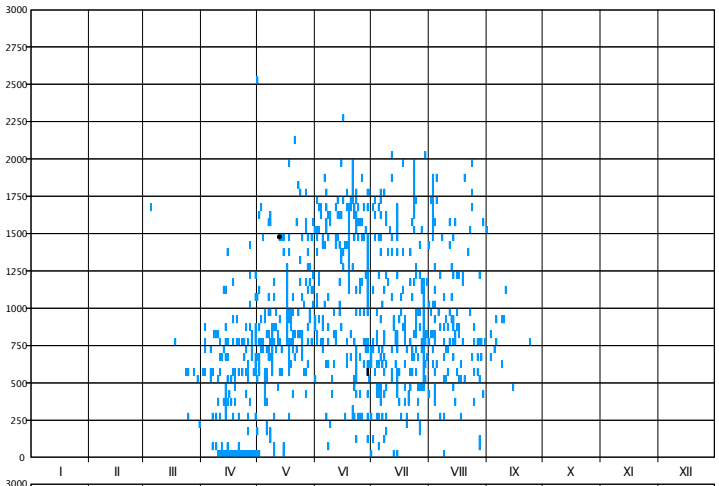


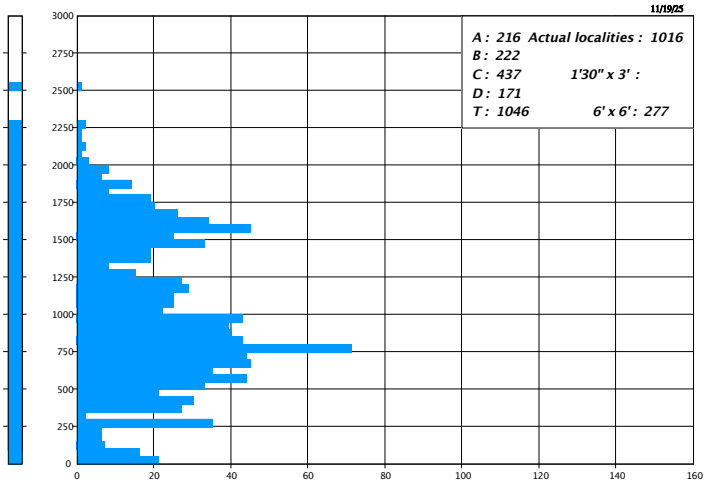


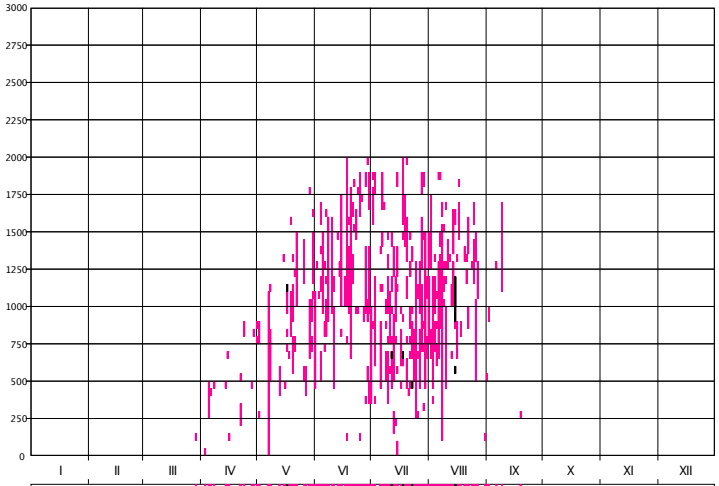


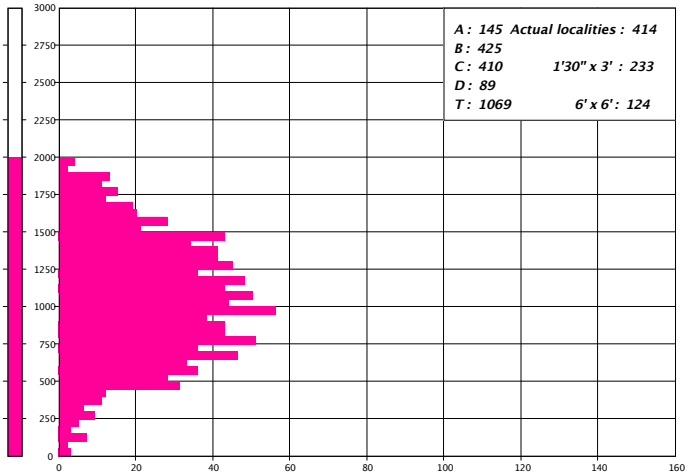
HESPERIIDAE *Muschampia stauderi*



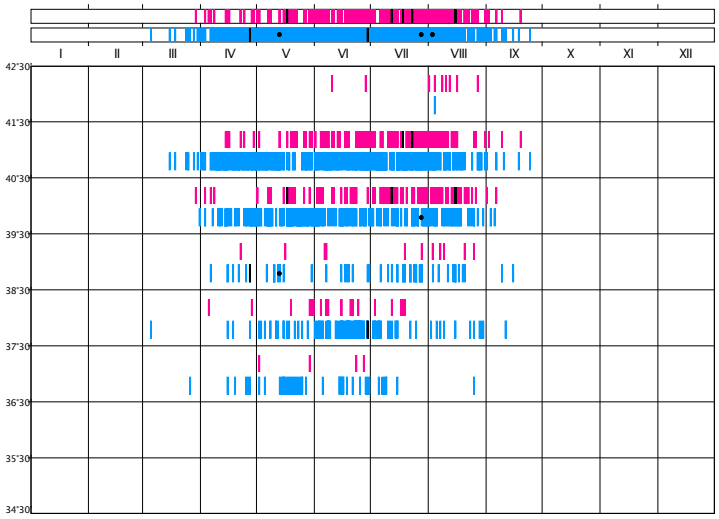


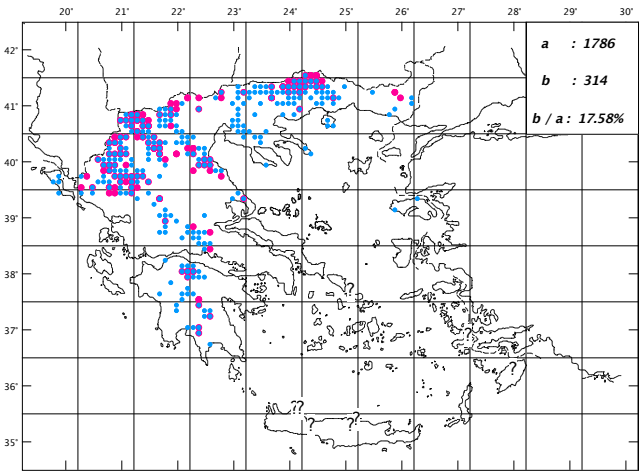


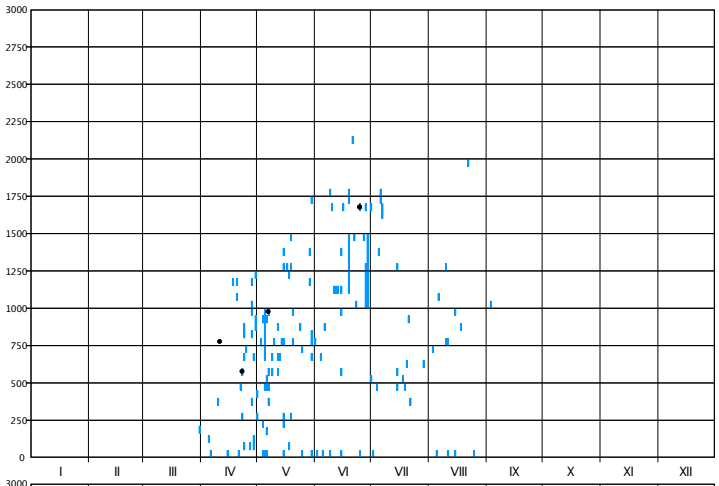


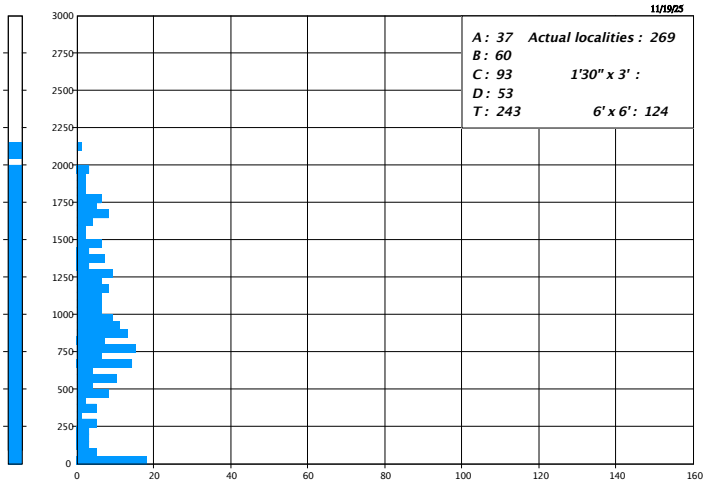


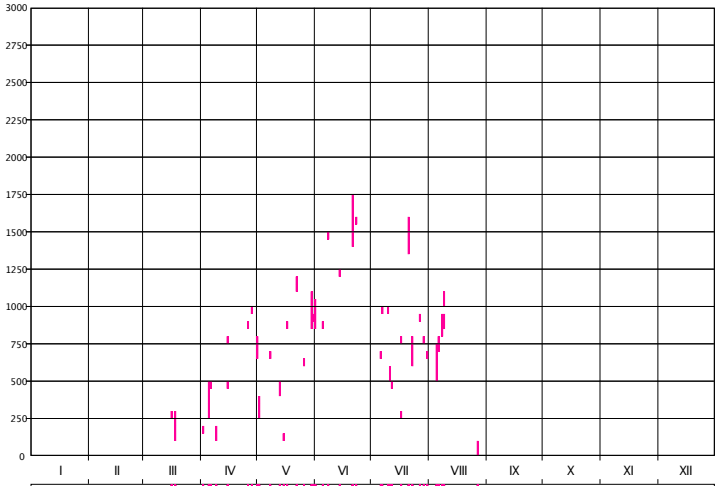
HESPERIIDAE *Erynnis tages*

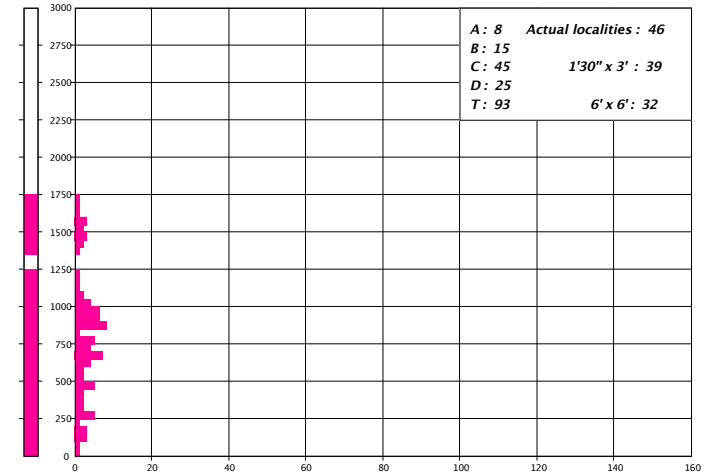


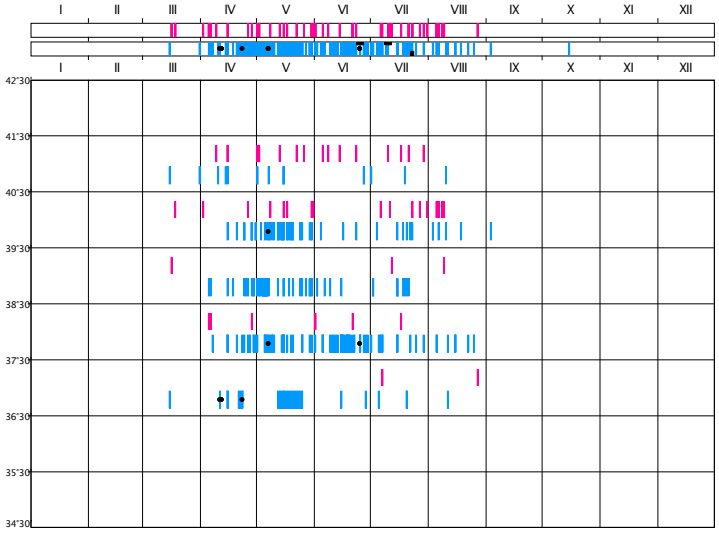




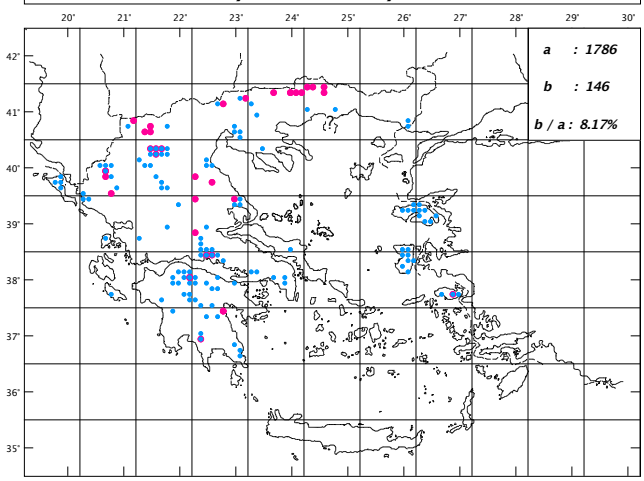


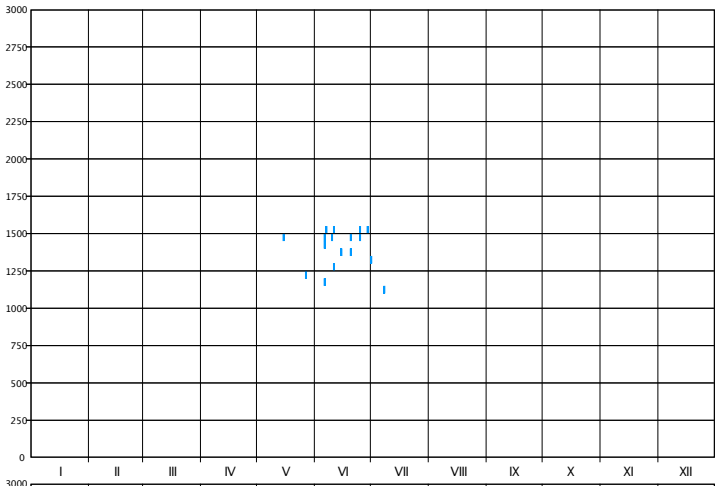


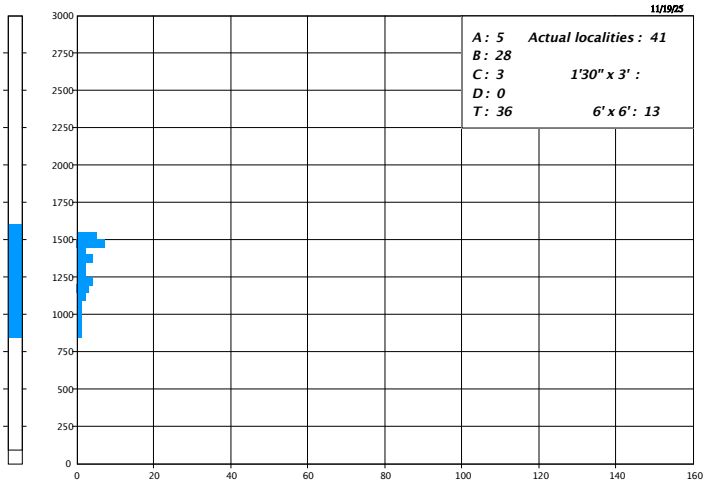


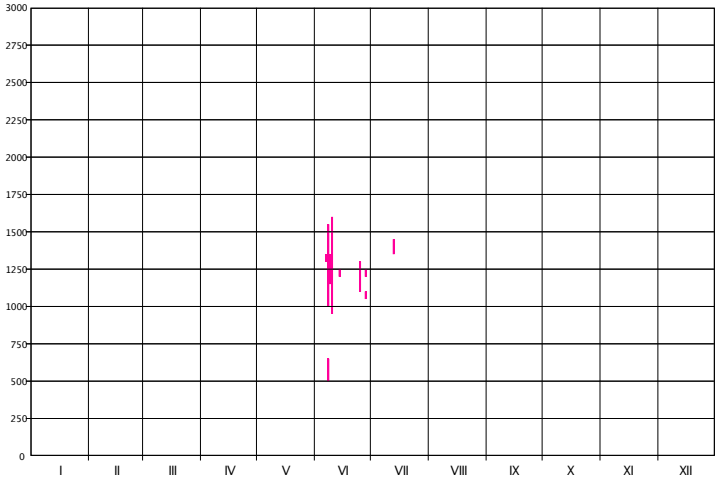


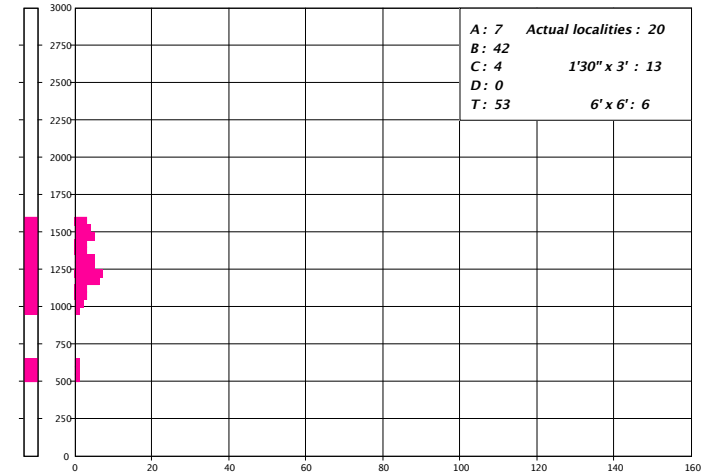
HESPERIIDAE *Erynnis marloyi*

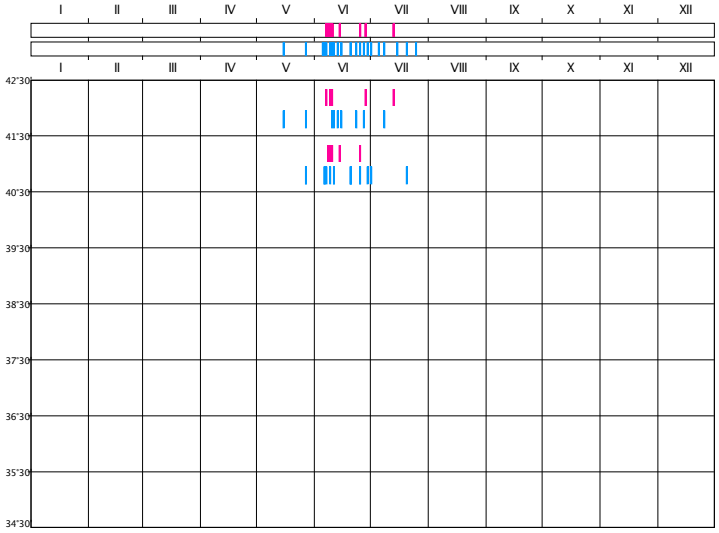




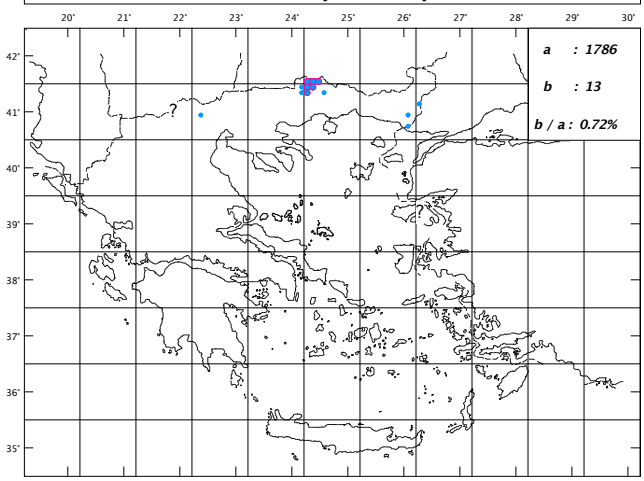


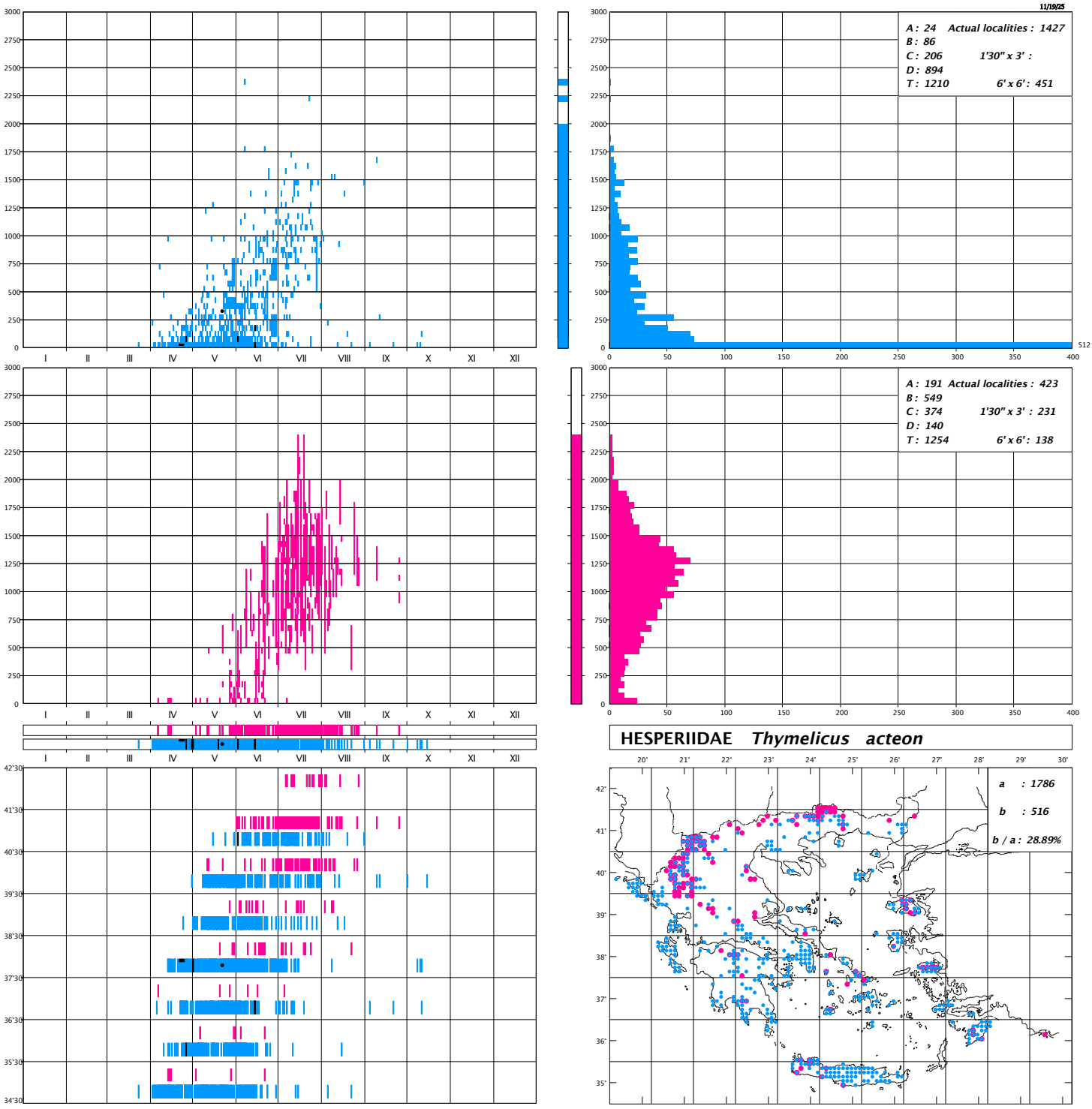


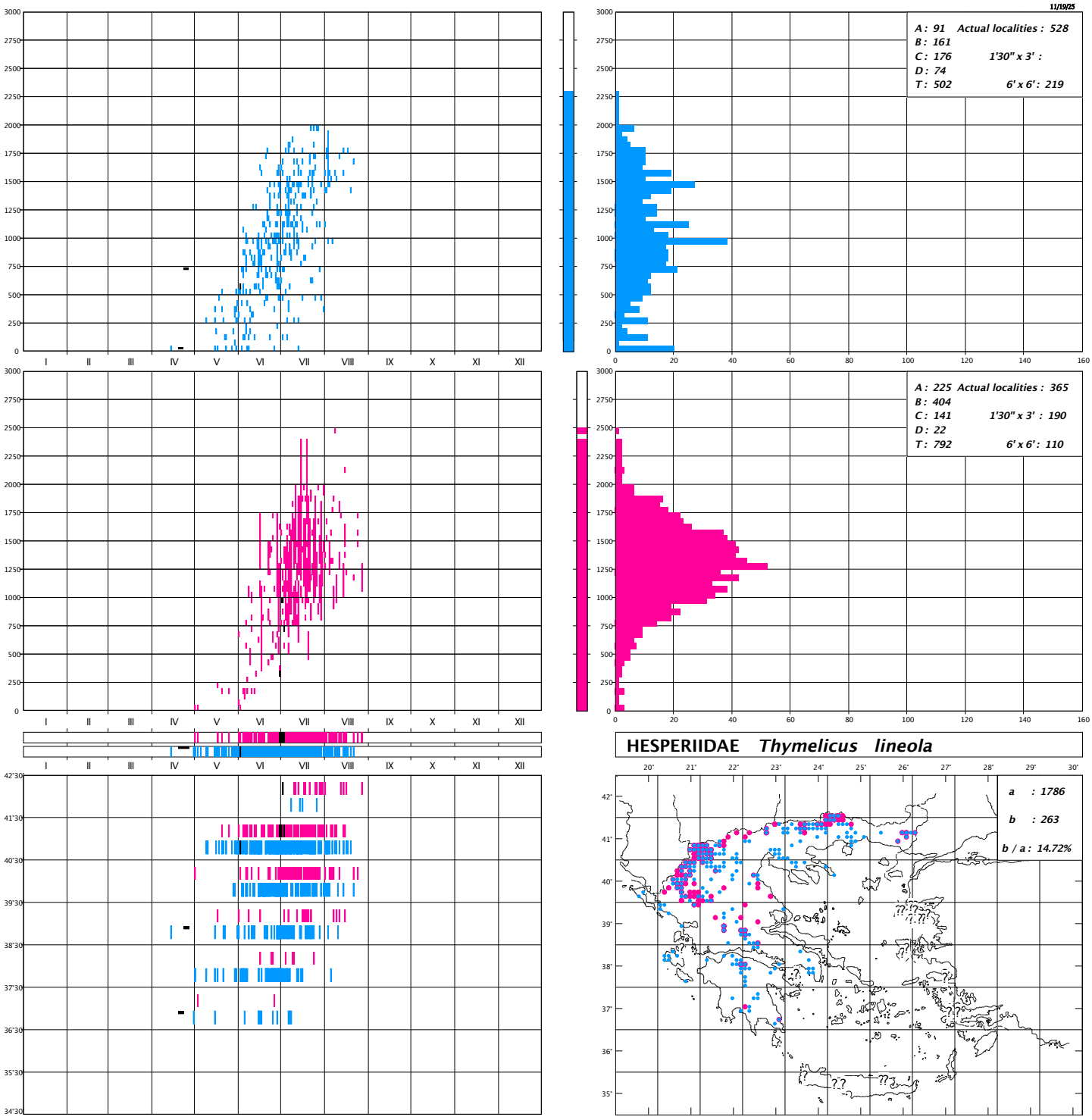


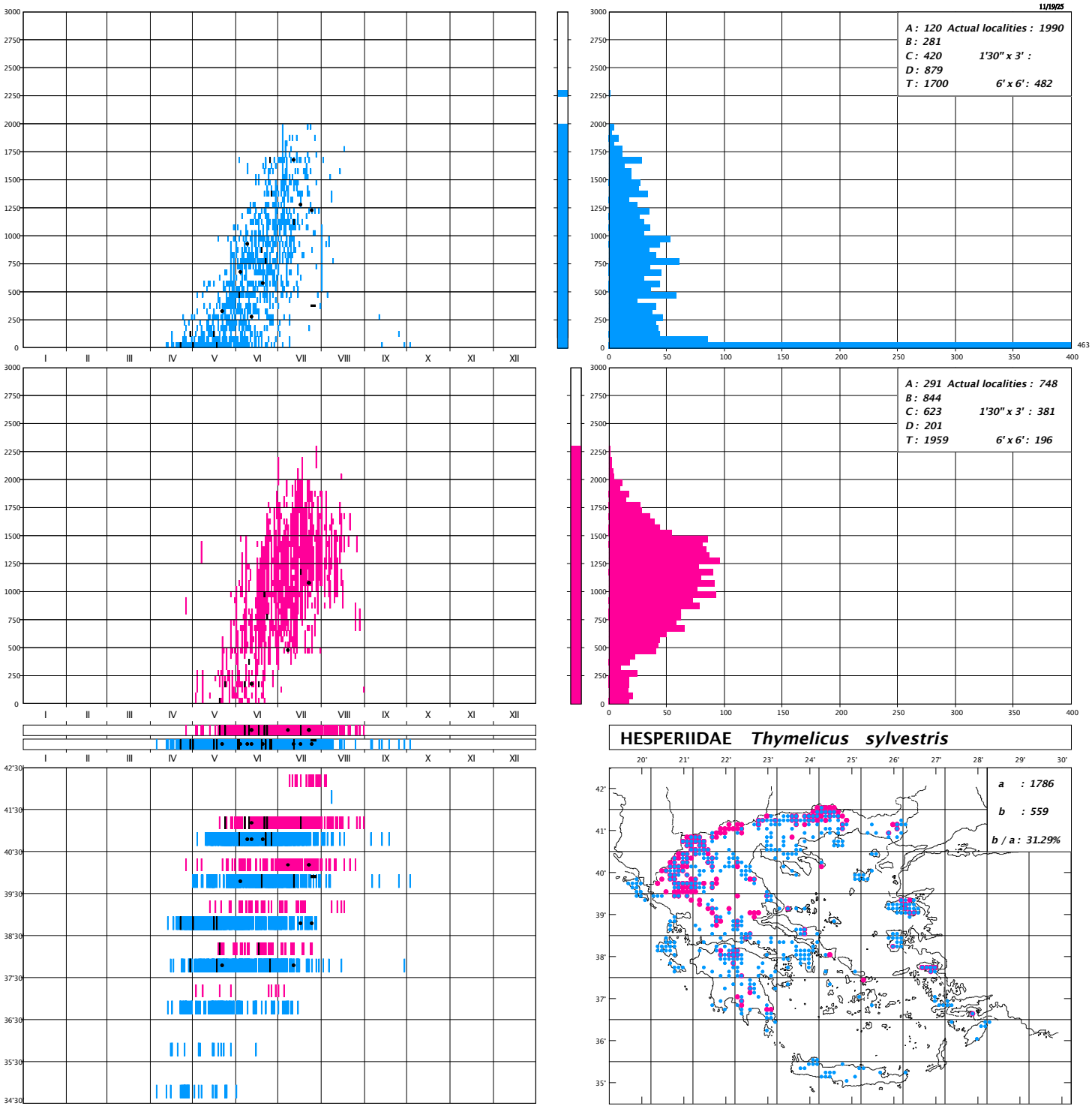


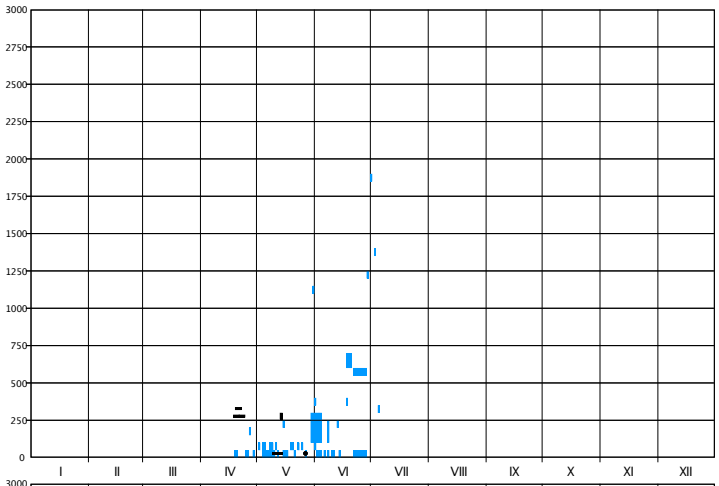
HESPERIIDAE *Carterocephalus palaemon*

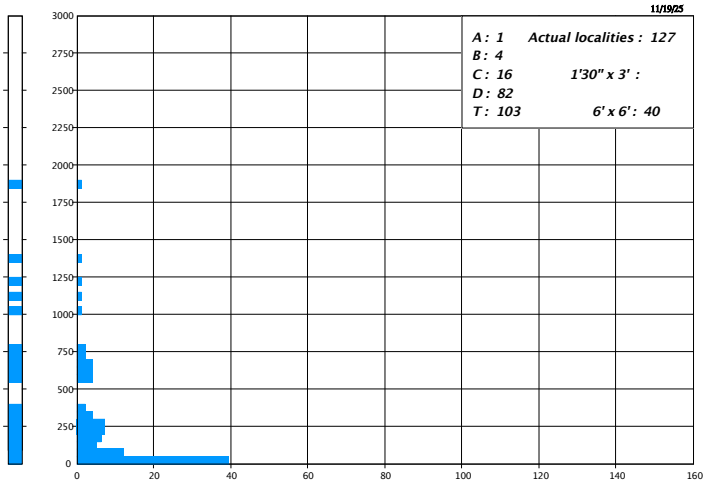


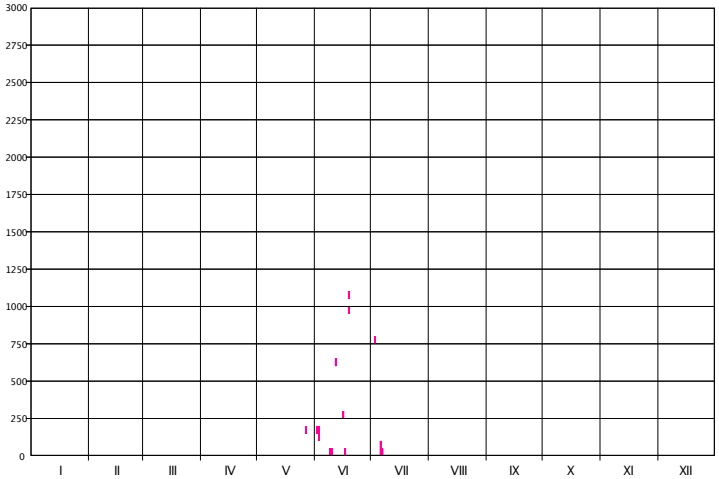

11/19/25
A : 24 Actual localities : 1427
B : 86
C : 206 1'30" x 3' :
D : 894
T : 1210 6' x 6' : 451
A : 191 Actual localities : 423
B : 549
C : 374 1'30" x 3' : 231
D : 140
T : 1254 6' x 6' : 138
HESPERIIDAE Thymelicus acteon
a : 1786
b : 516
b / a : 28.89%

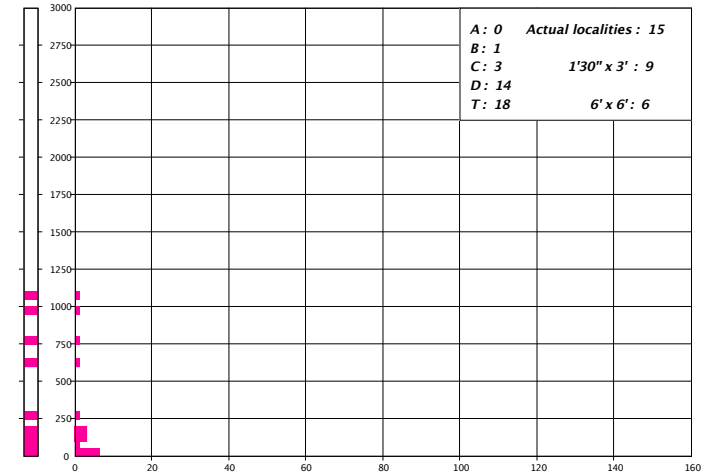

11/19/25
A : 91 Actual localities : 528
B : 161
C : 176 1'30" x 3' :
D : 74
T : 502 6' x 6' : 219
A : 225 Actual localities : 365
B : 404
C : 141 1'30" x 3' : 190
D : 22
T : 792 6' x 6' : 110
HESPERIIDAE Thymelicus lineola
a : 1786
b : 263
b / a : 14.72%

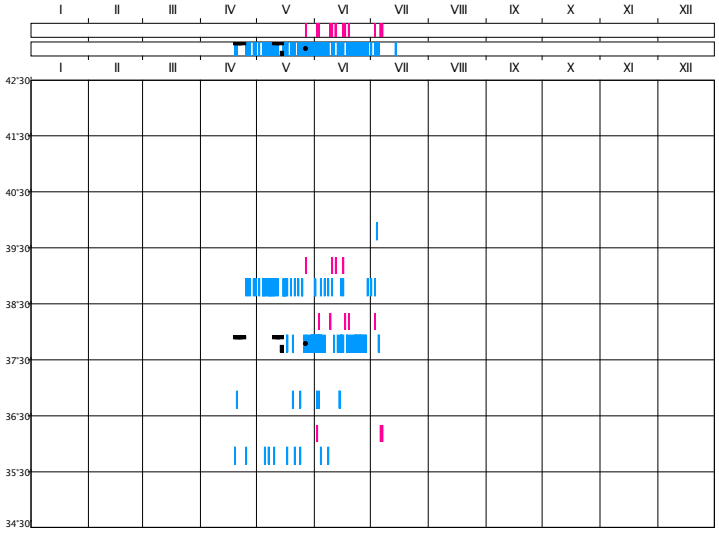

11/19/25
A : 120 Actual localities : 1990
B : 281
C : 420 1'30" x 3' :
D : 879
T : 1700 6' x 6' : 482
463
A : 291 Actual localities : 748
B : 844
C : 623 1'30" x 3' : 381
D : 201
T : 1959 6' x 6' : 196
HESPERIIDAE Thymelicus sylvestris
a : 1786
b : 559
b / a : 31.29%



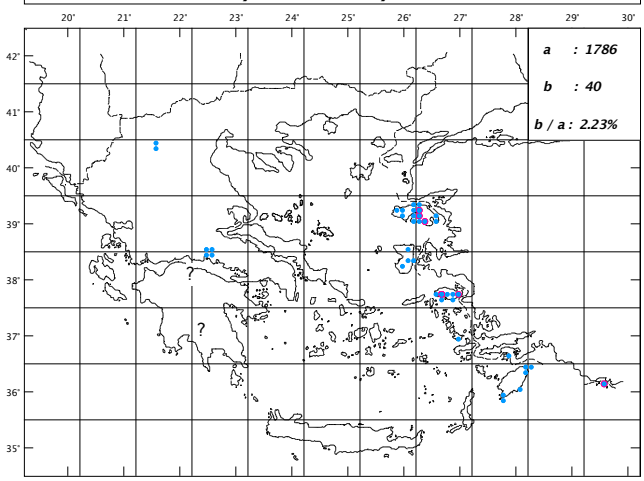


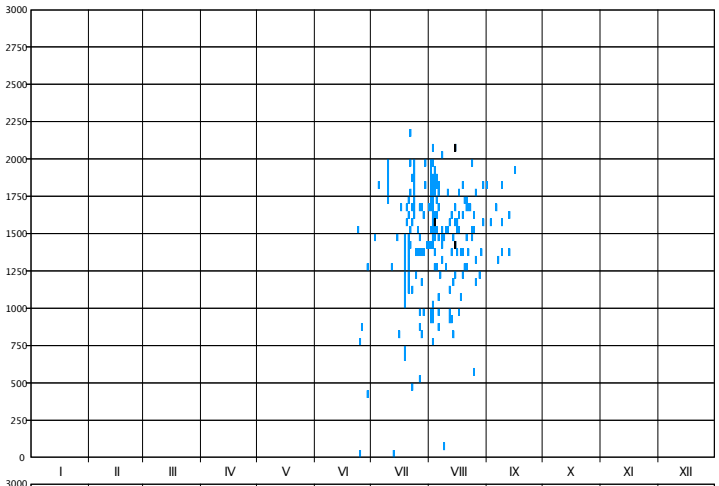


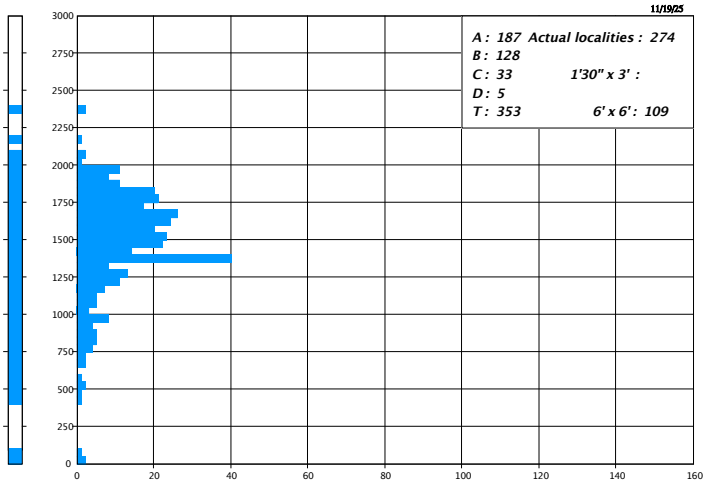


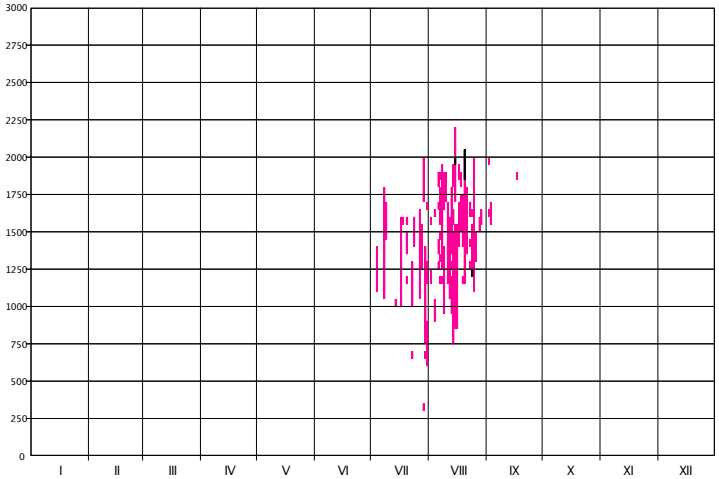


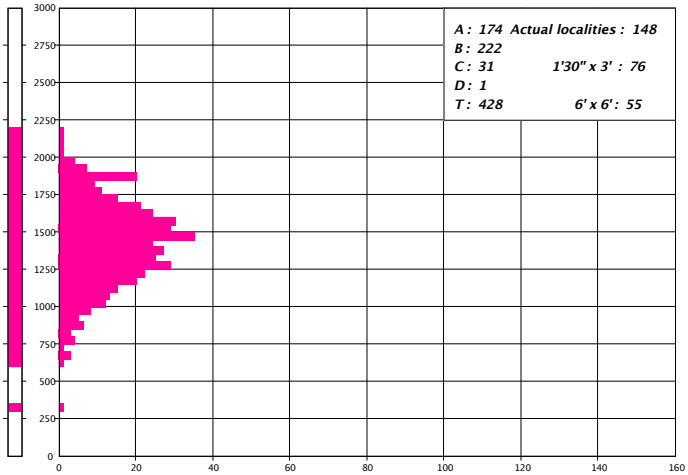
HESPERIIDAE *Thymelicus hyrax*

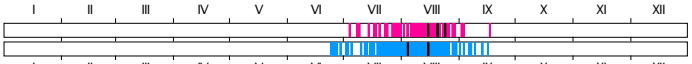




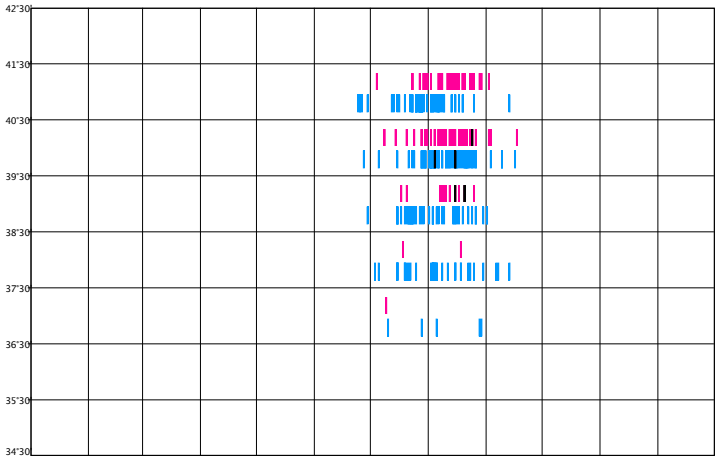


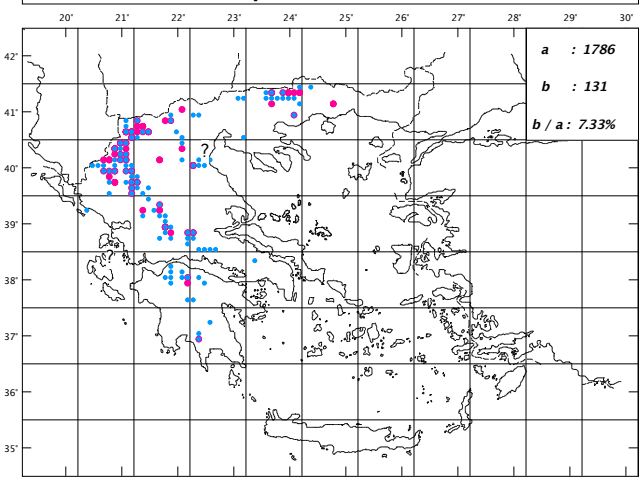


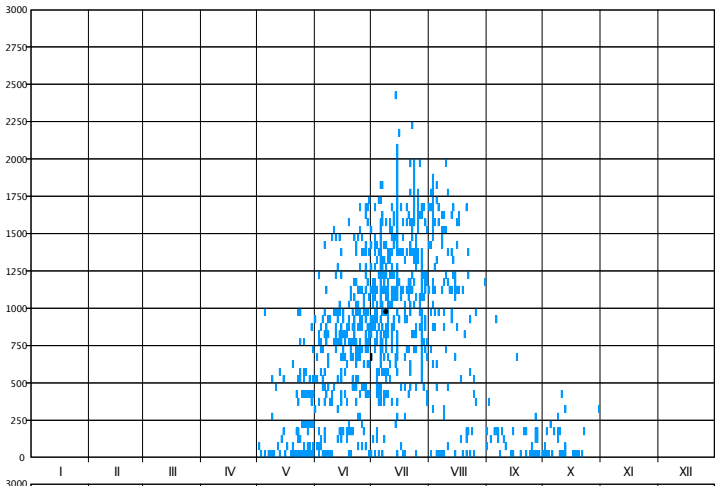


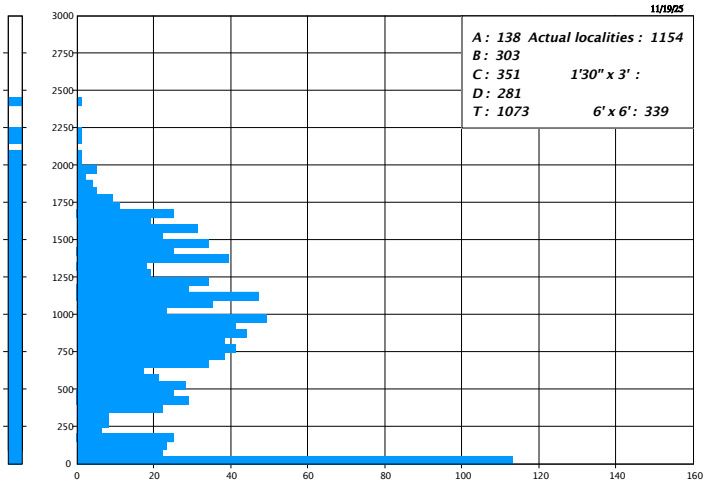


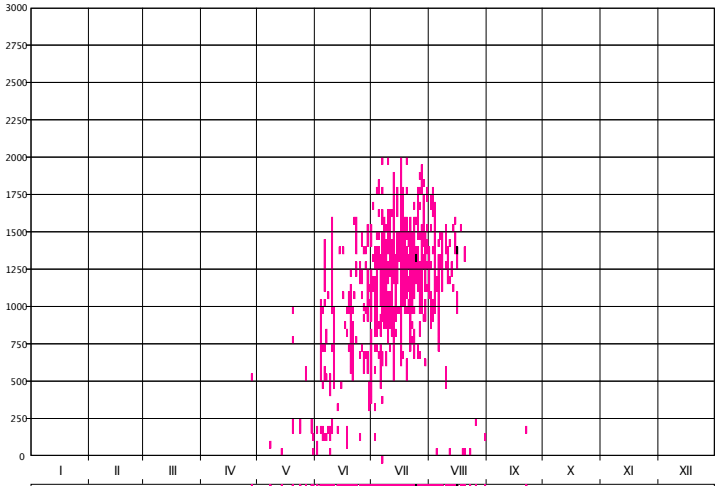
HESPERIIDAE *Hesperia comma*

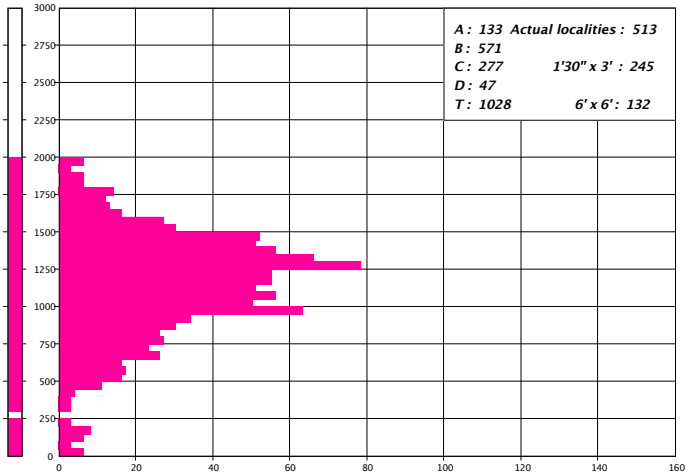


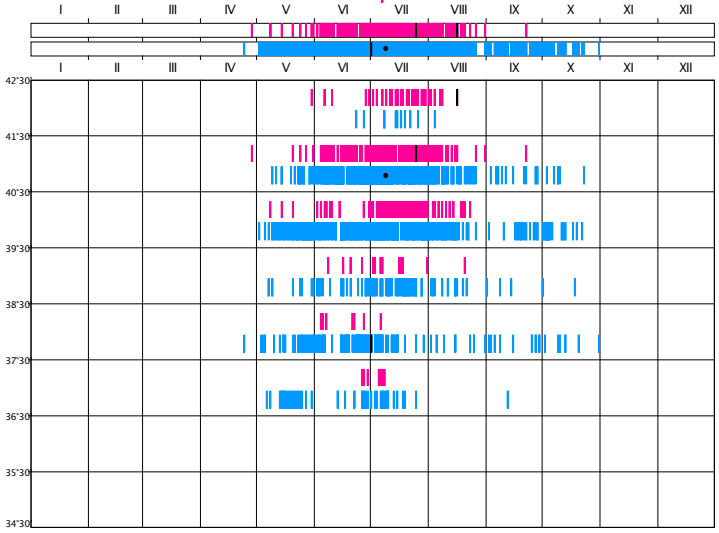




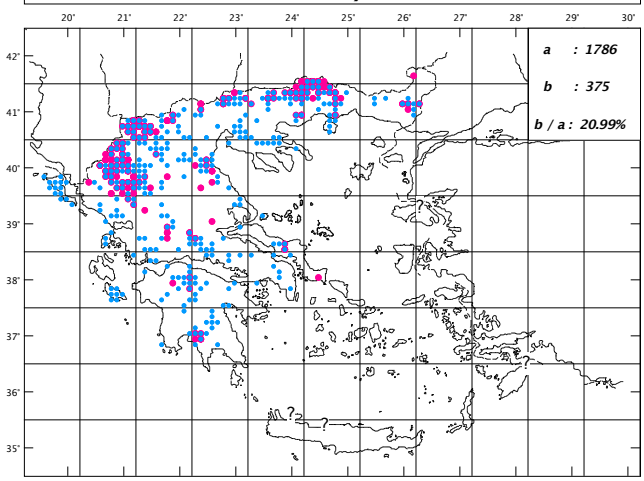


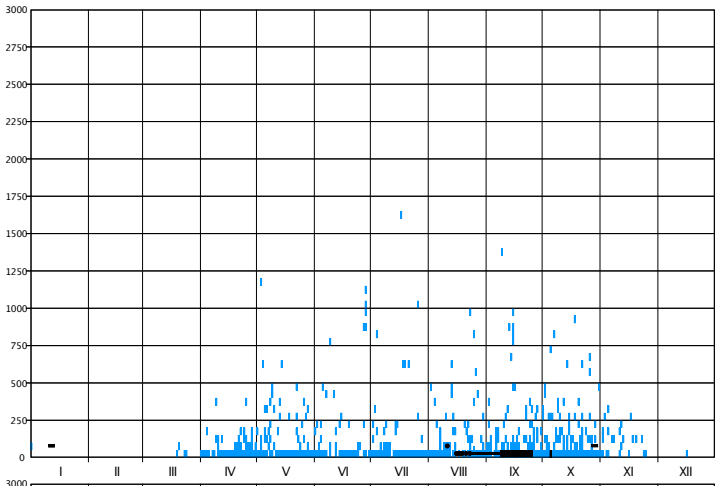


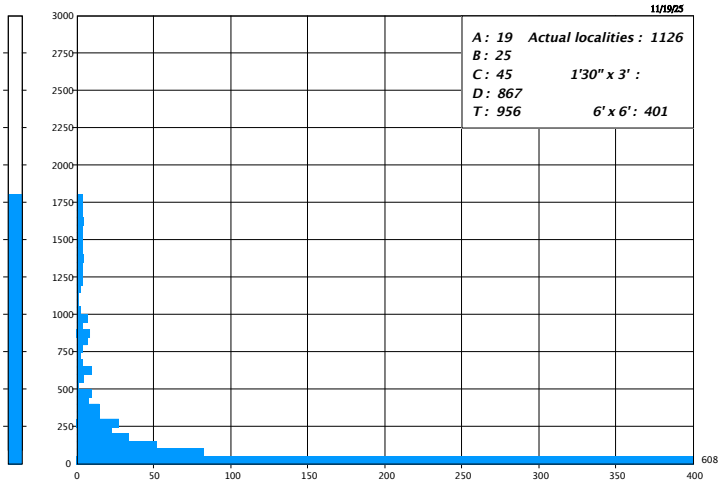


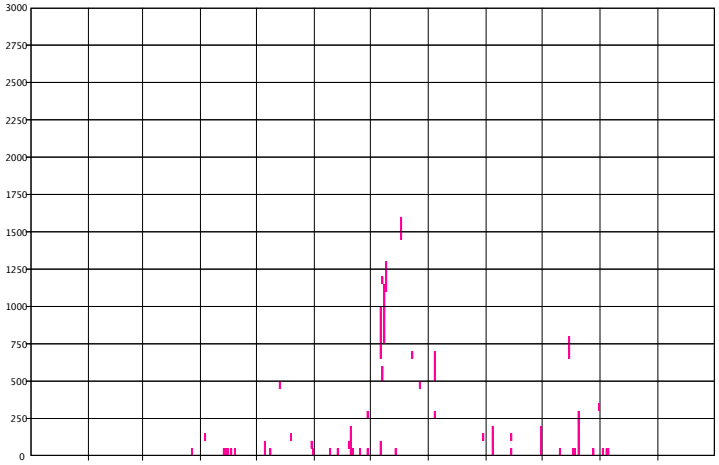


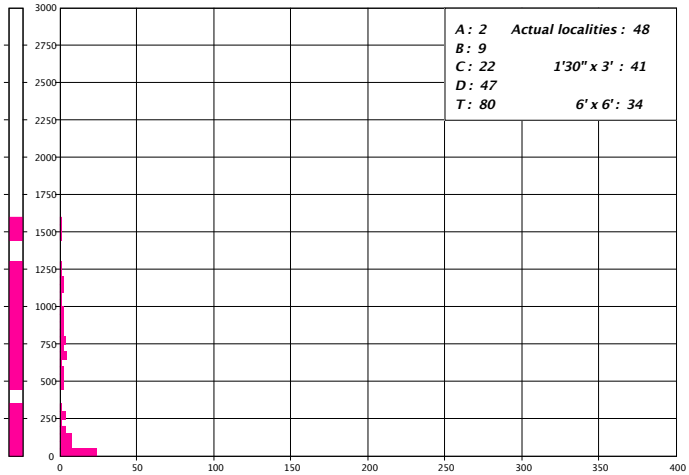
HESPERIIDAE *Ochlodes sylvanus*



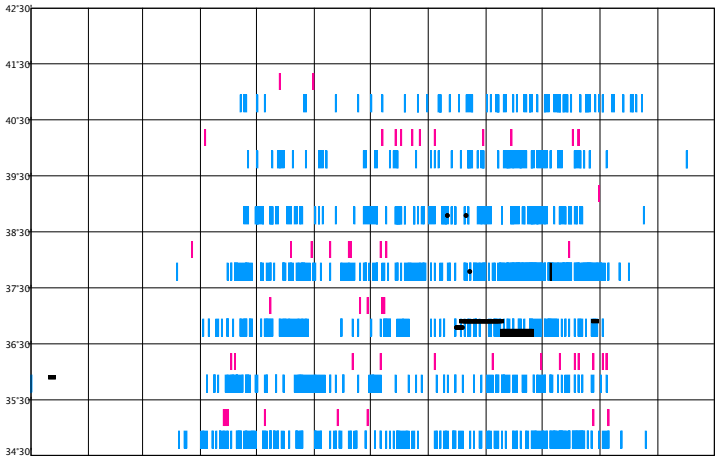


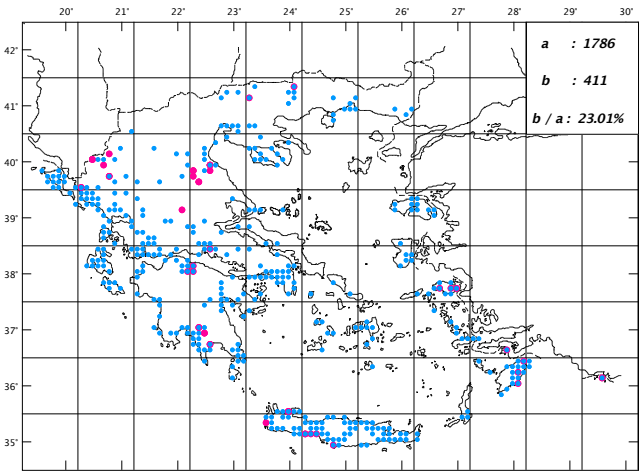


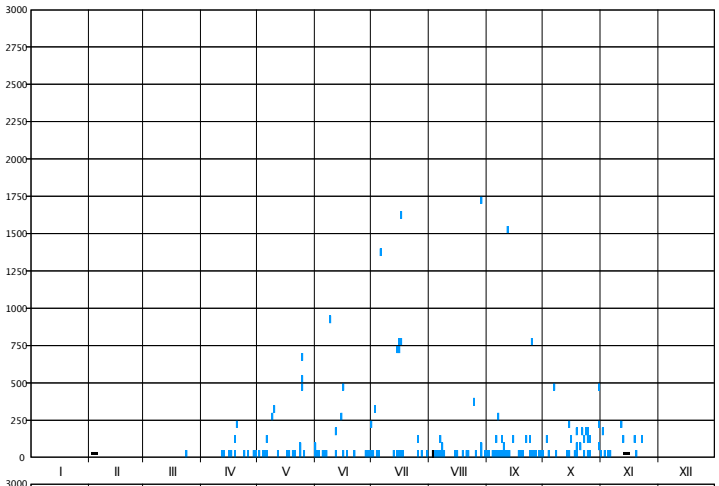


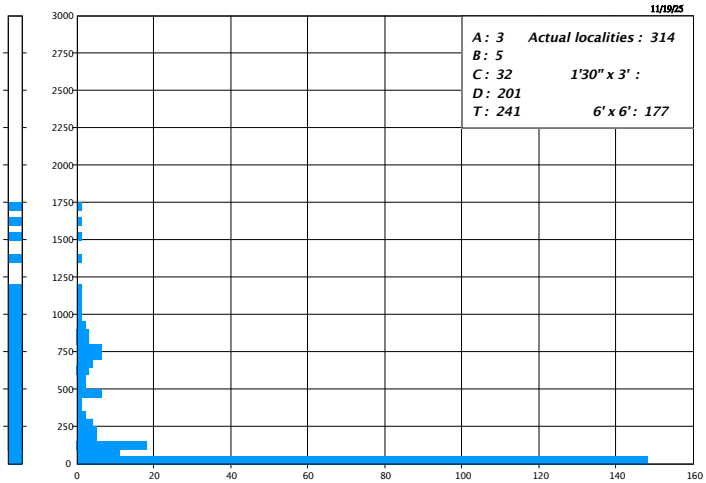


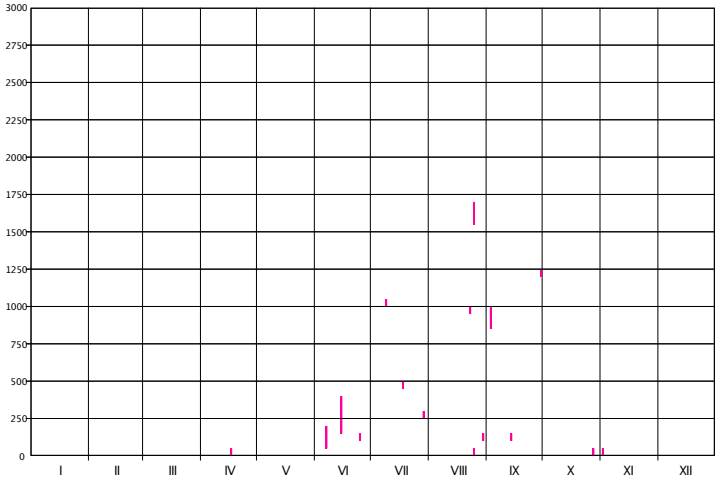
HESPERIIDAE *Gegenes pumilio*

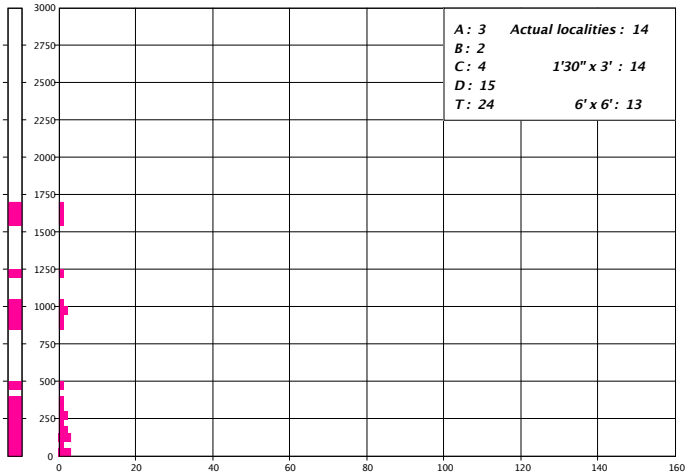


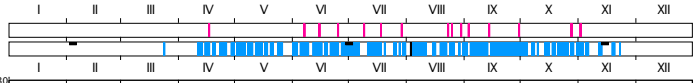




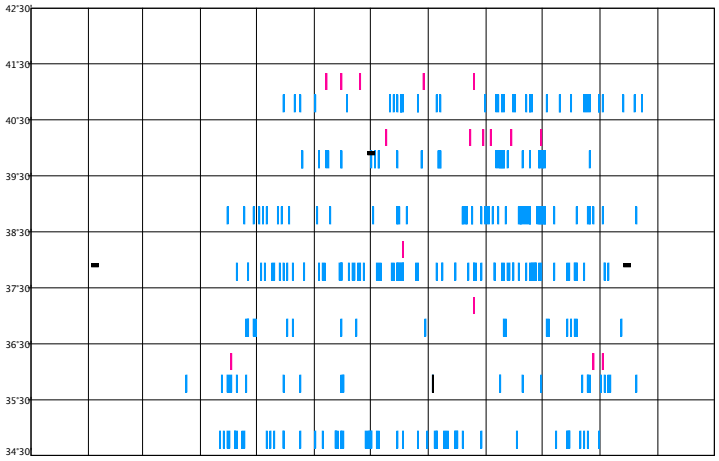


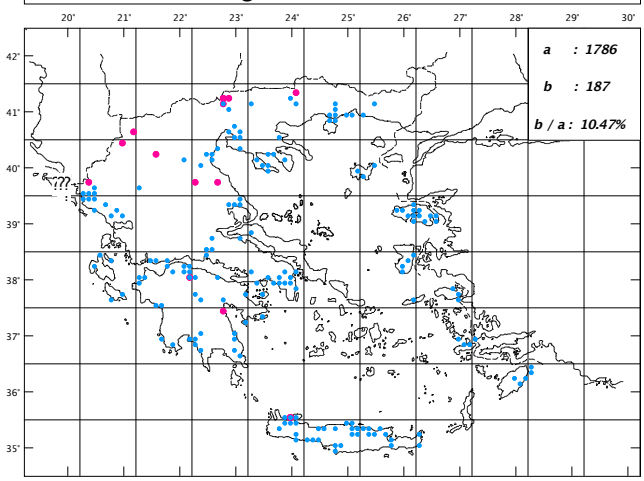


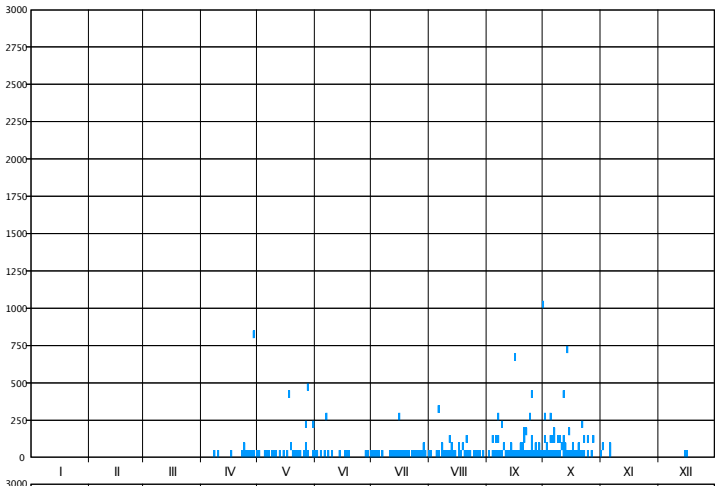


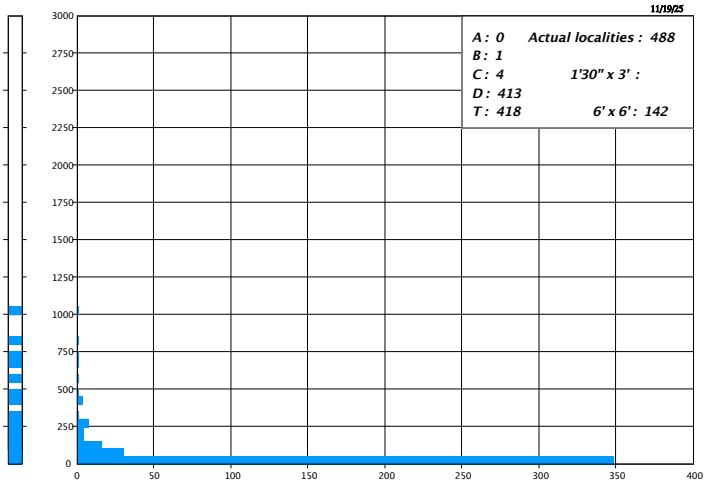


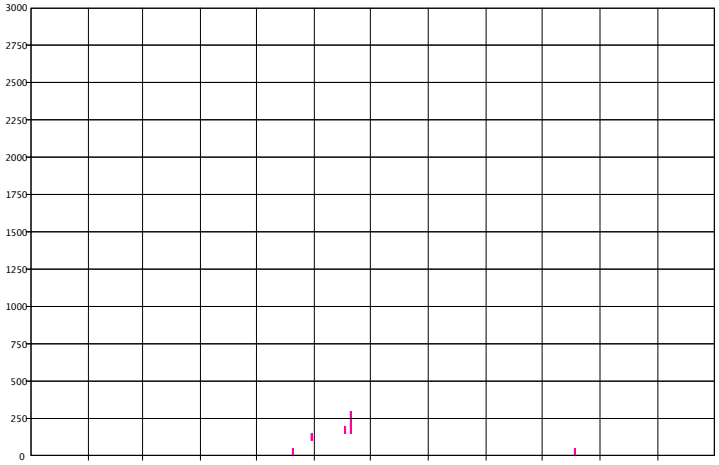
HESPERIIDAE *Gegenes nostrodamus*

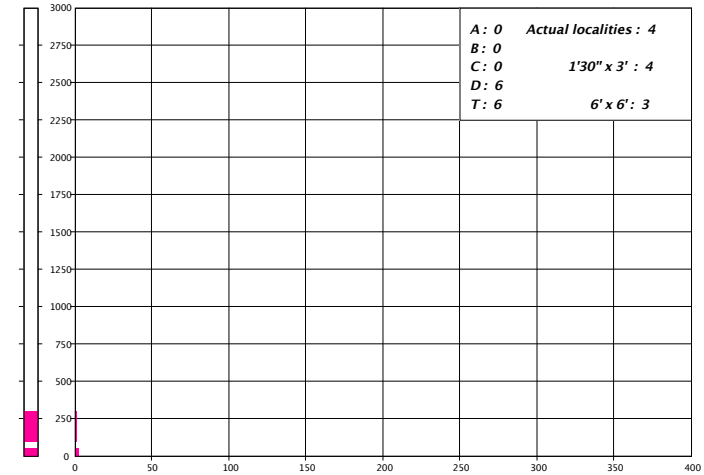


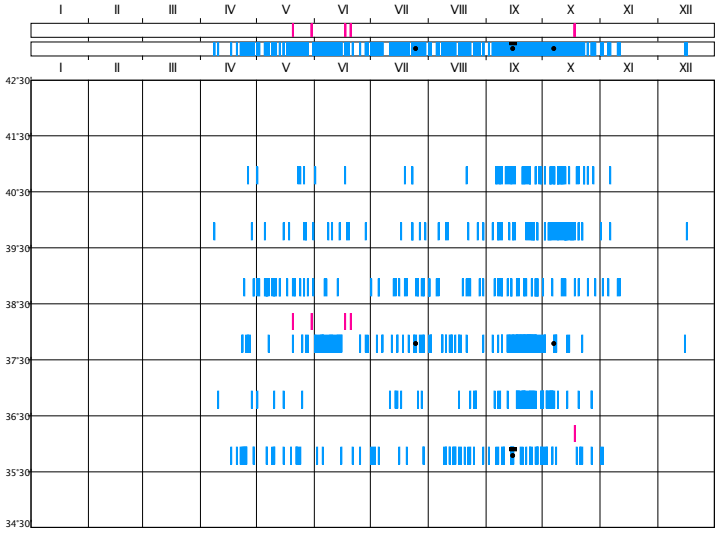




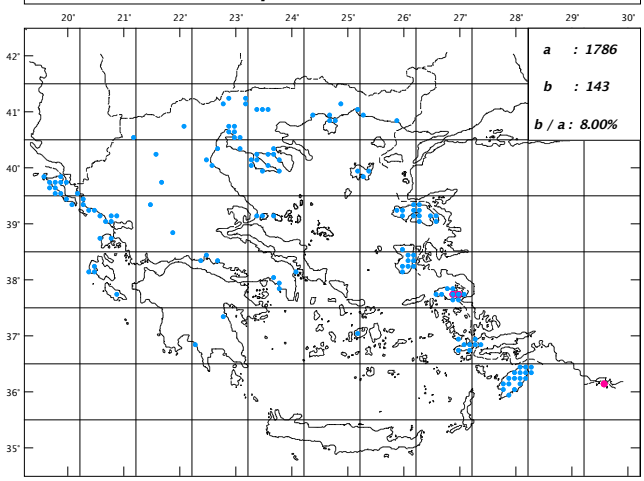


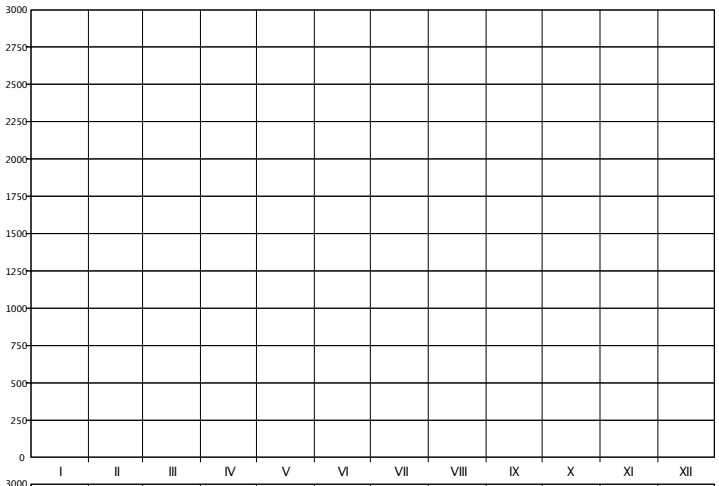


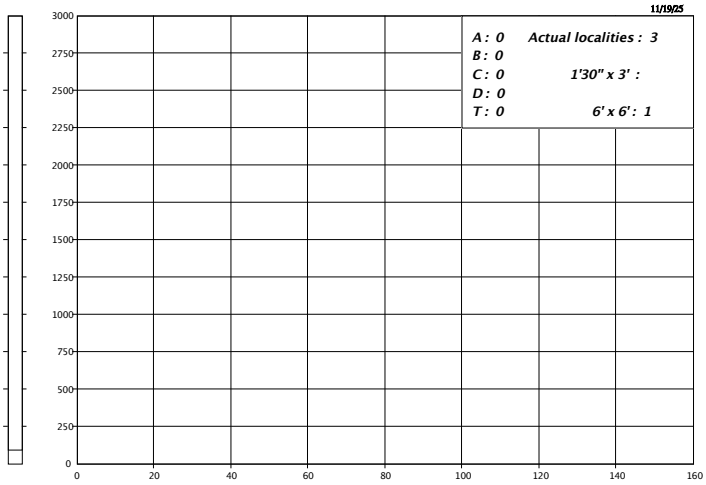


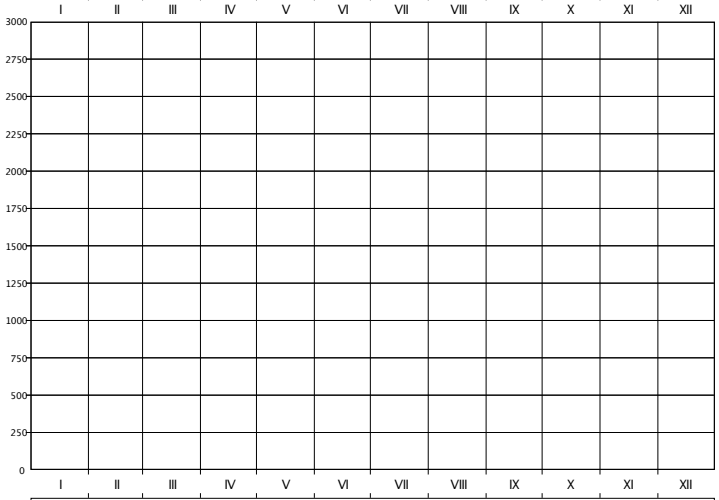


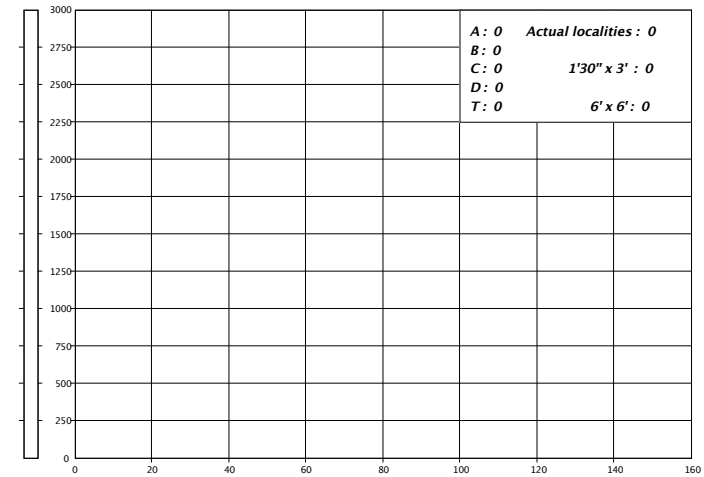
HESPERIIDAE *Pelopidas thrax*

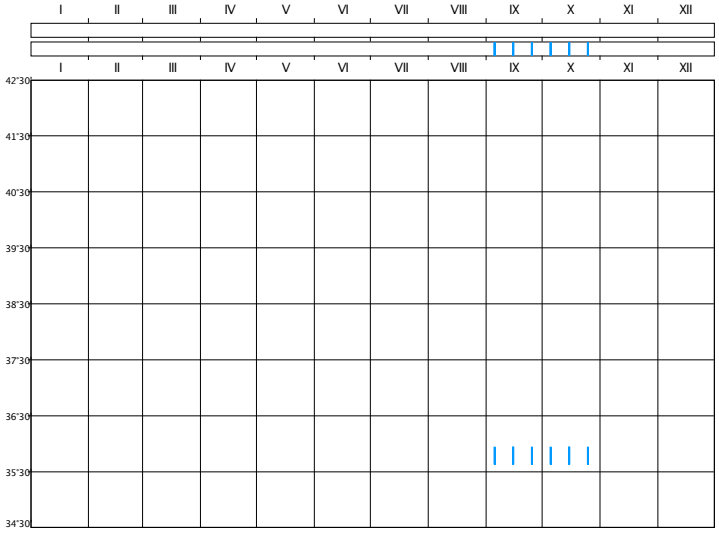




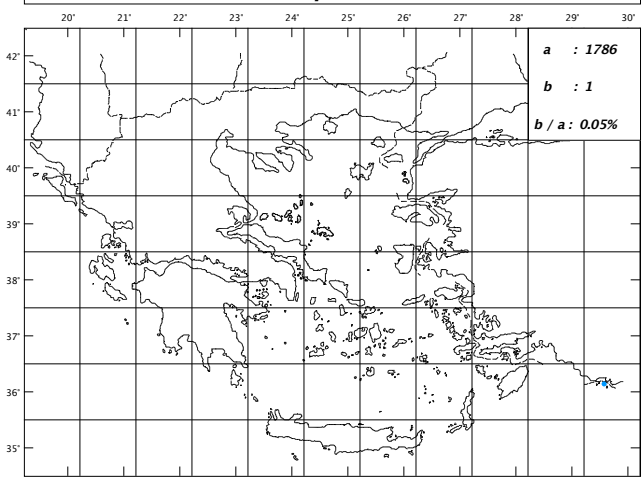


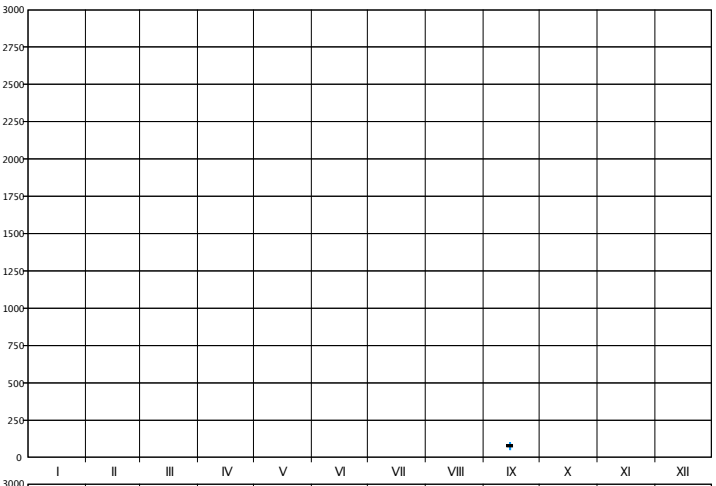


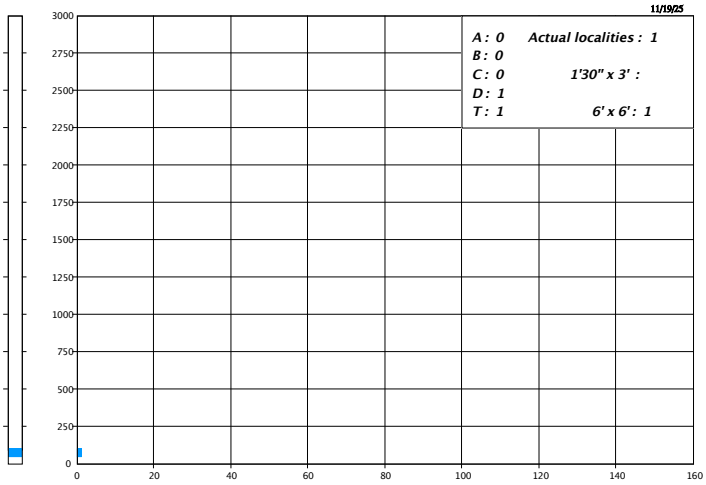


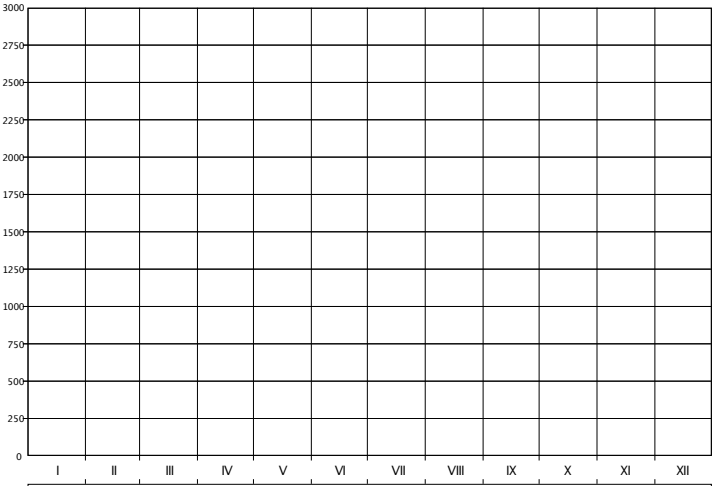


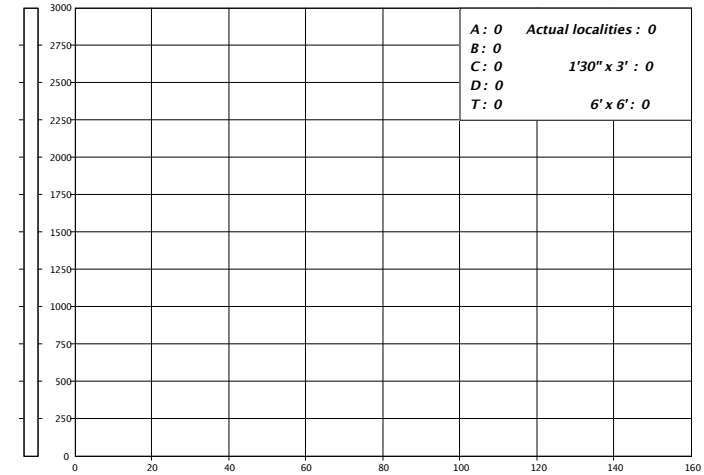
NYMPHALIDAE *Thaleropis ionia*

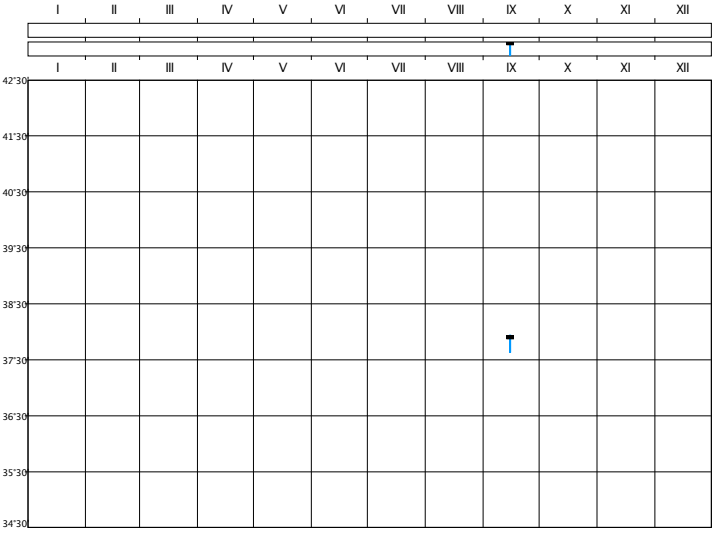




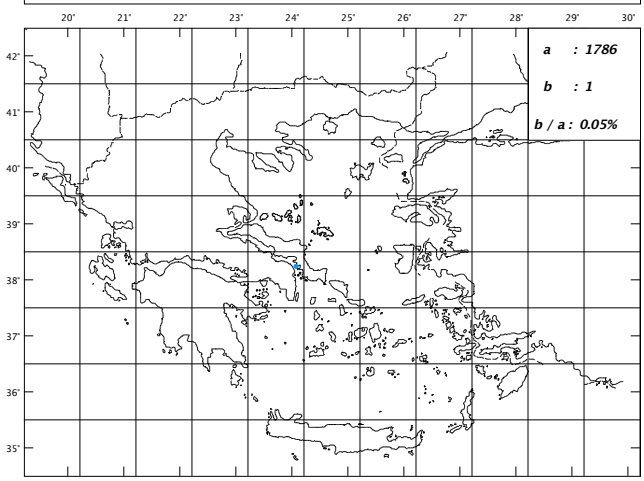


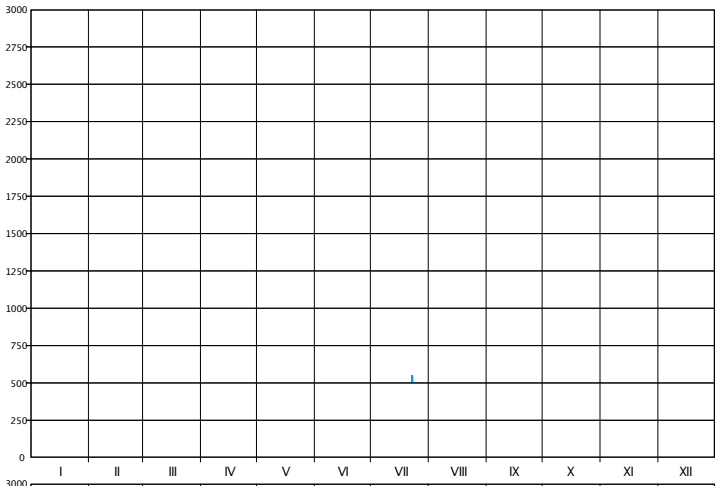


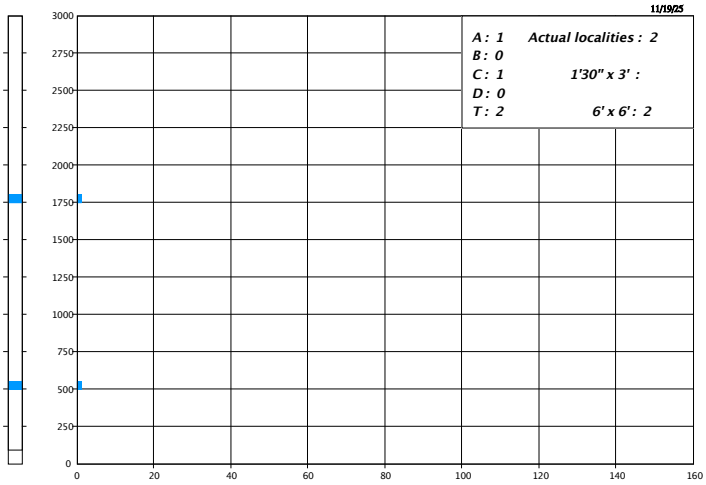


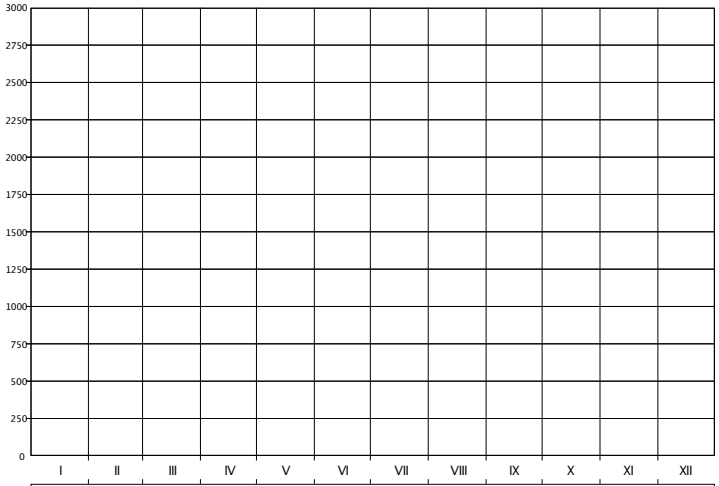


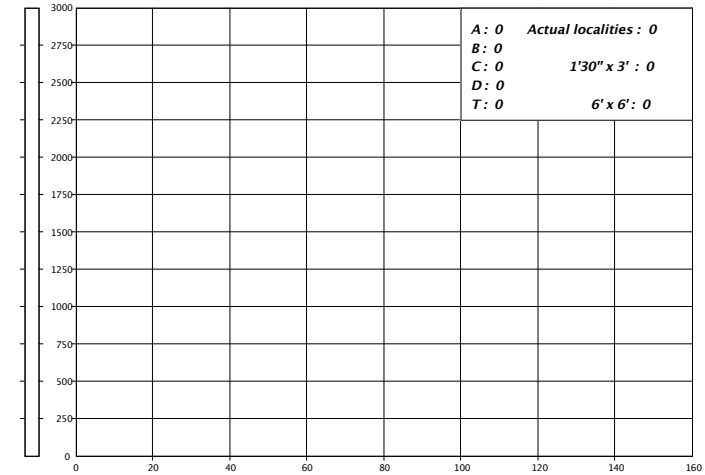
LYCAENIDAE *Deudorix livia*

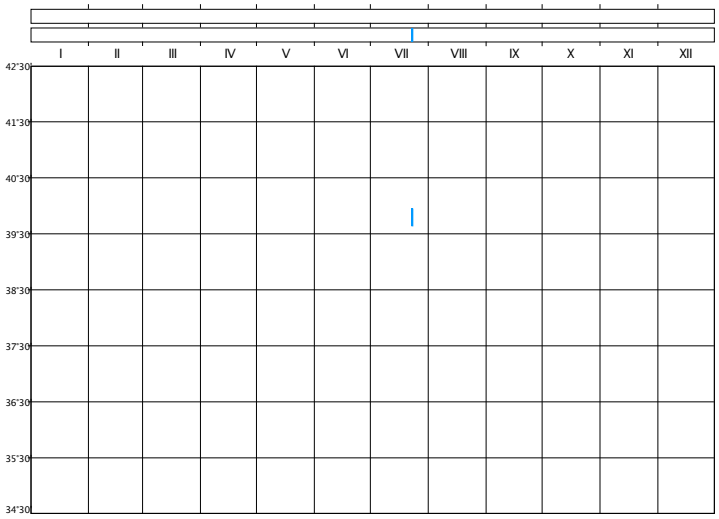
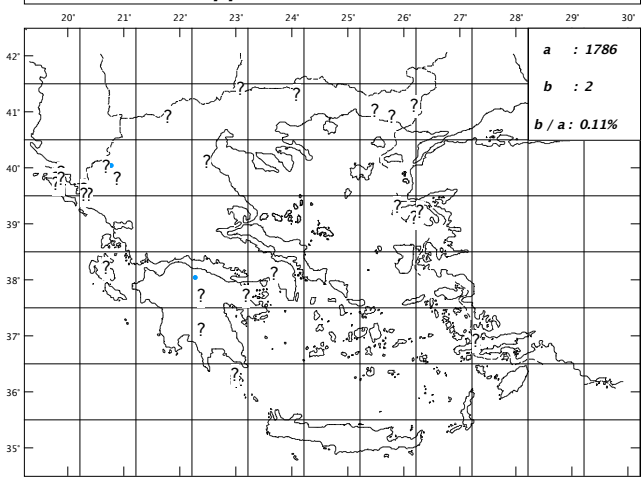












SATYRIDAE *Hipparchia semele*